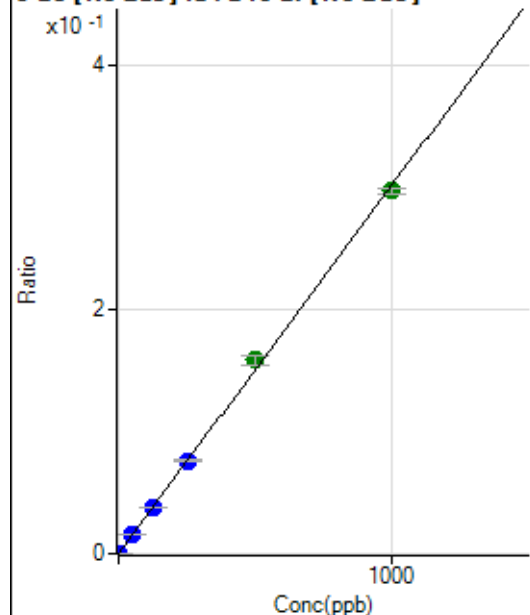


Batch Folder: D:\Agilent\ICPMH\1\DATA\P8091421MS.b\
Analysis File: P8091421MS.batch.bin
DA Date-Time: 2021-09-15 08:24:36
Calibration Title:
Calibration Method: External Calibration
VIS Interpolation Fit:

Level	Standard Data File	Sample Name	Acq. Date-Time
1	002CALB.d	S00	2021-09-14 16:14:48
2	004CALS.d	S01	2021-09-14 16:20:57
3	005CALS.d	S02	2021-09-14 16:24:01
4	006CALS.d	S03	2021-09-14 16:27:07
5	007CALS.d	S04	2021-09-14 16:30:10
6	008CALS.d	S05	2021-09-14 16:33:16
7	009CALS.d	S06	2021-09-14 16:36:19
8	010CALS.d	S07	2021-09-14 16:39:25
9	012CALS.d	S08	2021-09-14 16:45:36

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

	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	62.66	0.0000	P	33.6
2	☐	0.100	0.103	399.26	0.0000	P	7.2
3	☐	1.000	1.041	3437.07	0.0003	P	6.3
4	☐	50.000	50.424	169160.57	0.0152	P	1.6
5	☐	125.000	125.316	415426.43	0.0378	P	3.9
6	☐	250.000	253.036	832122.21	0.0764	P	3.7
7	☐	500.000	526.461	1686439.76	0.1589	A	4.9
8	☐	1000.000	985.950	3297061.40	0.2976	A	1.3
9	☐			177.30	0.0000	P	13.7

$$y = 3.0179\text{E-}004 * x + 5.9986\text{E-}006$$

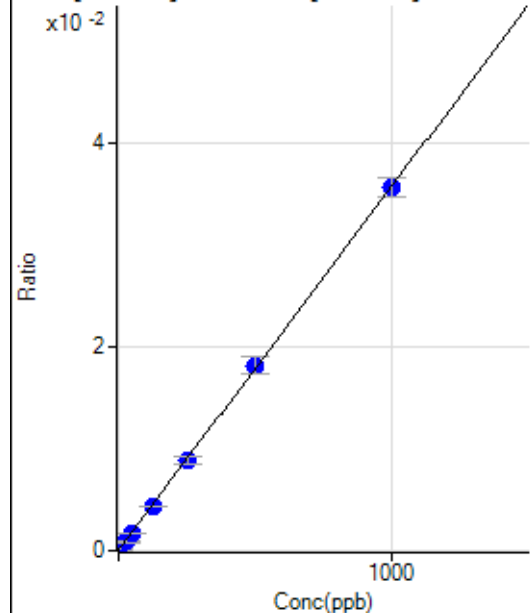
$$R = 0.9995$$

$$DL = 0.02006$$

$$BEC = 0.01988$$

Weight: <None>

Min Conc: 0

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

	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	461.92	0.0000	P	1.5
2	☐	2.500	2.276	1351.80	0.0001	P	3.9
3	☐	25.000	22.644	9144.40	0.0009	P	6.8
4	☐	50.000	47.586	19348.25	0.0017	P	3.9
5	☐	125.000	120.766	47829.48	0.0044	P	0.7
6	☐	250.000	249.084	97167.57	0.0089	P	8.2
7	☐	500.000	508.882	192783.45	0.0182	P	9.2
8	☐	1000.000	996.498	394101.71	0.0356	P	5.4
9	☐			15423.06	0.0015	P	6.4

$$y = 3.5654\text{E-}005 * x + 4.4291\text{E-}005$$

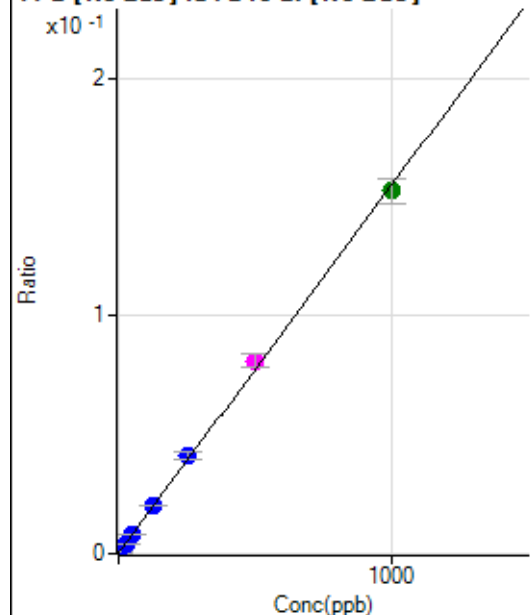
$$R = 0.9999$$

$$DL = 0.05482$$

$$BEC = 1.242$$

Weight: <None>

Min Conc: 0

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

	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	1967.75	0.0002	P	3.5
2	☐	2.500	2.491	6186.77	0.0006	P	3.5
3	☐	25.000	24.380	42549.84	0.0040	P	9.3
4	☐	50.000	50.302	88671.71	0.0080	P	6.2
5	☐	125.000	128.669	221162.26	0.0201	P	1.8
6	☐	250.000	264.125	447461.56	0.0411	P	7.5
7	☐	500.000	522.420	860188.10	0.0811	M	6.7
8	☐	1000.000	984.801	1691929.62	0.1527	A	6.7
9	☐			71320.05	0.0070	P	6.6

$$y = 1.5486E-004 * x + 1.8871E-004$$

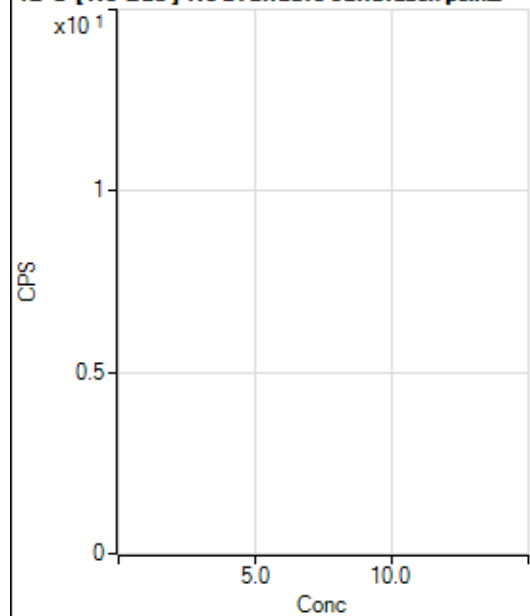
$$R = 0.9995$$

$$DL = 0.1292$$

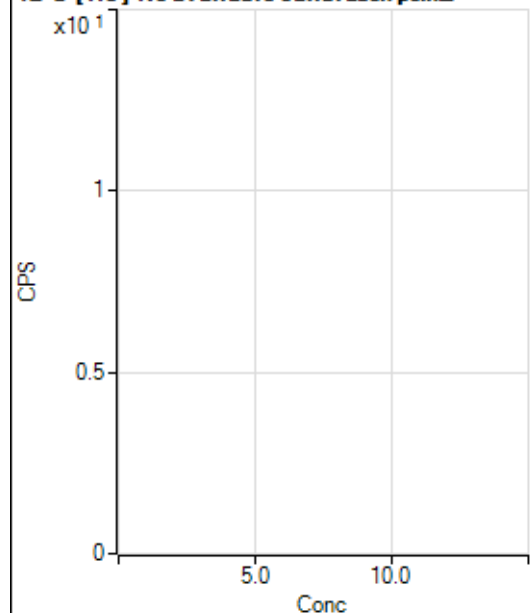
$$BEC = 1.219$$

Weight: <None>

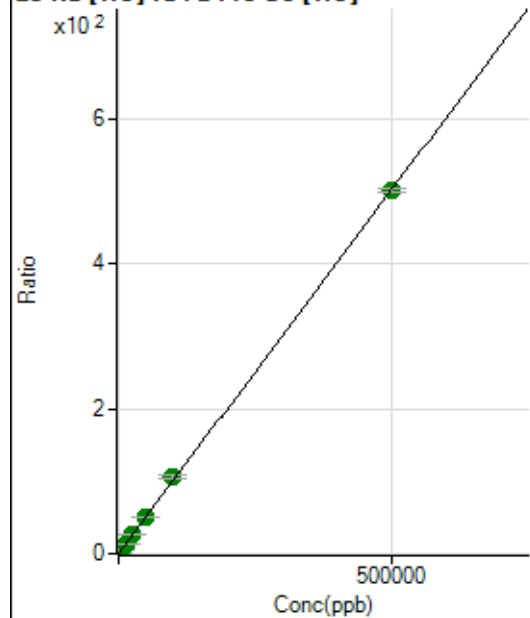
Min Conc: 0

12 C [No Gas] No available calibration points

	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐			5110477.20		A	0.6
2	☐			5322619.04		A	1.6
3	☐			5113901.72		A	1.7
4	☐			5373528.90		A	2.1
5	☐			5815445.27		A	2.1
6	☐			6171187.07		A	3.1
7	☐			6841112.65		A	2.6
8	☐			7863689.06		A	4.2
9	☐			6087116.54		A	2.1

12 C [He] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			50406.49		P	0.5
2	☐			52279.64		P	1.4
3	☐			49166.31		P	0.9
4	☐			55393.98		P	0.9
5	☐			57362.50		P	0.4
6	☐			62756.83		P	0.6
7	☐			72713.70		P	1.5
8	☐			84397.80		P	0.9
9	☐			70120.51		P	0.1

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	13573.29	0.0354	P	1.0
2	☐	50.000	53.096	34833.86	0.0888	P	3.5
3	☐	500.000	515.277	218776.61	0.5533	P	1.0
4	☐	5000.000	5637.213	2164741.28	5.7009	A	5.1
5	☐	12500.000	13238.142	5201743.52	13.3399	A	3.0
6	☐	25000.000	26055.668	10550054.66	26.2217	A	3.2
7	☐	50000.000	50592.508	20621067.47	50.8816	A	3.3
8	☐	100000.00	105589.24	41729482.18	106.1542	A	3.7
9	☐	500000.00	498745.27	215092504.8	501.2821	A	1.1

$$y = 0.0010 * x + 0.0354$$

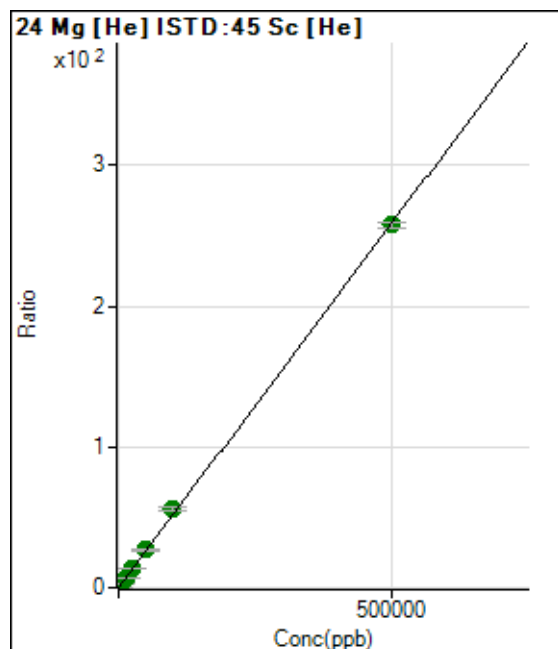
$$R = 0.9999$$

$$DL = 1.043$$

$$BEC = 35.21$$

Weight: <None>

Min Conc: 0



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	261.12	0.0007	P	14.7
2	☐	50.000	54.778	11396.37	0.0290	P	2.7
3	☐	500.000	520.489	106793.83	0.2701	P	0.4
4	☐	5000.000	5879.275	1155602.05	3.0435	A	5.3
5	☐	12500.000	13659.477	2757016.36	7.0701	A	2.5
6	☐	25000.000	26805.263	5580625.82	13.8736	A	4.9
7	☐	50000.000	51775.130	10860551.11	26.7966	A	3.0
8	☐	100000.00	107789.98	21931692.85	55.7867	A	3.4
9	☐	500000.00	498136.42	110619262.1	257.8079	A	1.6

$$y = 5.1754\text{E-}004 * x + 6.8078\text{E-}004$$

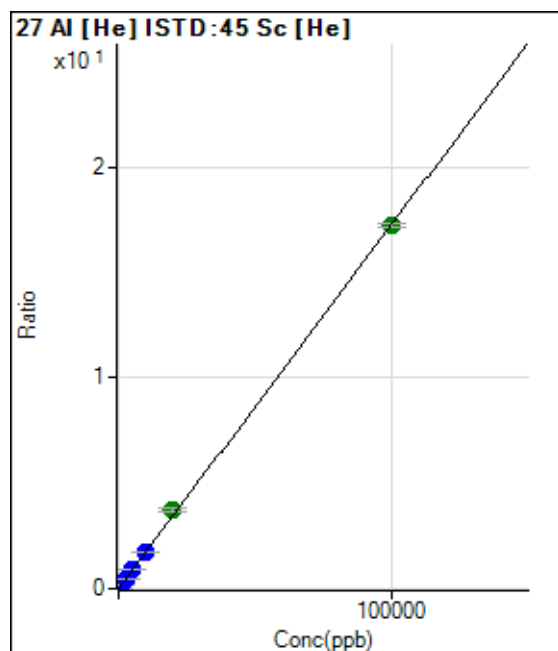
$$R = 0.9999$$

$$DL = 0.5799$$

$$BEC = 1.315$$

Weight: <None>

Min Conc: 0



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	89.16	0.0002	P	2.8
2	☐	2.000	2.436	256.64	0.0007	P	4.5
3	☐	20.000	21.304	1546.98	0.0039	P	1.3
4	☐	1000.000	1088.233	71464.92	0.1882	P	4.8
5	☐	2500.000	2624.055	176828.19	0.4534	P	2.0
6	☐	5000.000	5153.116	358177.87	0.8902	P	3.1
7	☐	10000.000	10061.818	704413.48	1.7380	P	3.1
8	☐	20000.000	21564.184	1464136.94	3.7246	A	3.8
9	☐	100000.00	99669.342	7386327.45	17.2143	A	1.2

$$y = 1.7271\text{E-}004 * x + 2.3246\text{E-}004$$

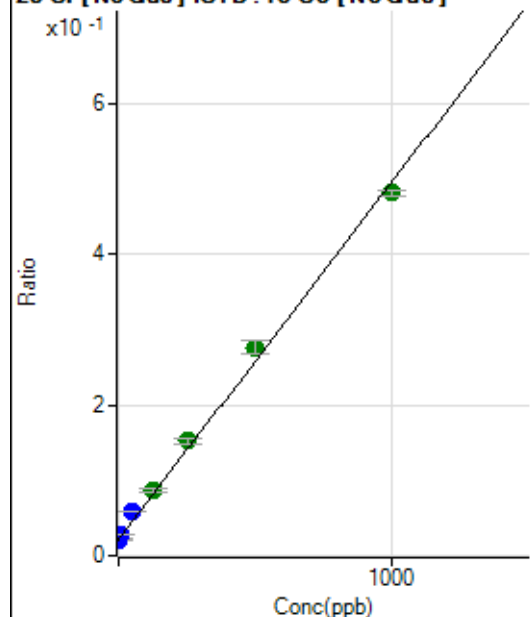
$$R = 0.9999$$

$$DL = 0.114$$

$$BEC = 1.346$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	286959.36	0.0212	P	0.5
2	☐	1.000	1.570	294417.90	0.0219	P	3.8
3	☐	10.000	13.991	384773.83	0.0278	P	5.9
4	☐	50.000	78.323	810647.15	0.0583	P	2.5
5	☐	125.000	138.467	1219026.18	0.0867	A	3.4
6	☐	250.000	276.247	2137827.65	0.1520	A	5.4
7	☐	500.000	538.094	3795188.58	0.2759	A	6.6
8	☐	1000.000	971.251	7064870.13	0.4810	A	1.8
9	☐			611130.70	0.0429	P	5.7

$$y = 4.7342\text{E-}004 * x + 0.0212$$

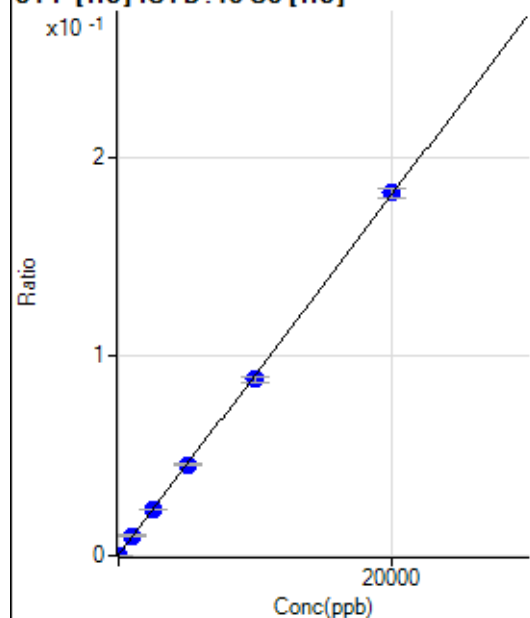
$$R = 0.9984$$

$$DL = 0.6182$$

$$BEC = 44.76$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	8.007	147.23	0.0004	P	31.3
2	☐	0.000	-4.636	105.56	0.0003	P	19.1
3	☐	0.000	-3.371	111.11	0.0003	P	24.3
4	☐	1000.000	1077.181	3814.49	0.0100	P	6.6
5	☐	2500.000	2565.548	9167.05	0.0235	P	0.8
6	☐	5000.000	5033.687	18434.35	0.0458	P	3.5
7	☐	10000.000	9742.165	35822.65	0.0884	P	2.7
8	☐	20000.000	20108.443	71597.07	0.1821	P	3.0
9	☐			152.78	0.0004	P	20.3

$$y = 9.0396\text{E-}006 * x + 3.1153\text{E-}004$$

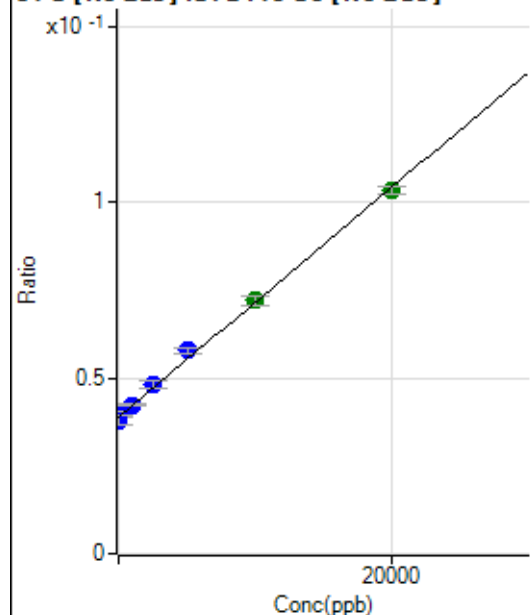
$$R = 0.9999$$

$$DL = 26.53$$

$$BEC = 34.46$$

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	-6.969	527134.92	0.0389	P	1.4
2	☐	0.000	274.960	534839.09	0.0398	P	4.0
3	☐	0.000	-267.991	526654.61	0.0381	P	6.0
4	☐	1000.000	1021.969	588258.34	0.0423	P	1.6
5	☐	2500.000	2812.229	676309.48	0.0482	P	4.6
6	☐	5000.000	5776.565	814180.45	0.0579	P	2.2
7	☐	10000.000	10172.366	994079.35	0.0722	A	3.8
8	☐	20000.000	19679.548	1518086.03	0.1034	A	1.9
9	☐			484925.02	0.0341	P	3.6

$$y = 3.2738\text{E-}006 * x + 0.0389$$

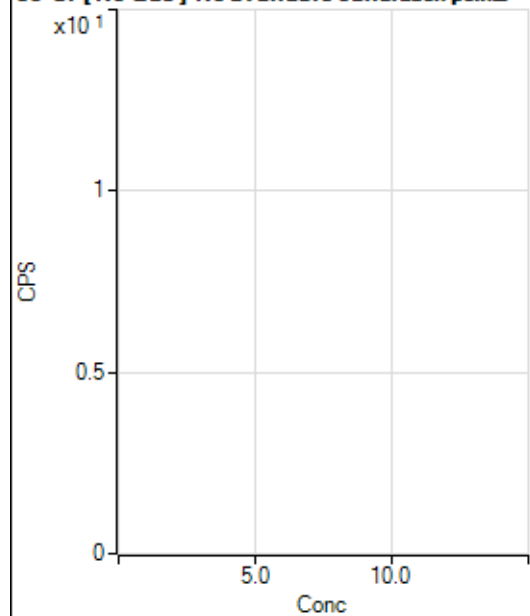
$$R = 0.9988$$

$$DL = 1357$$

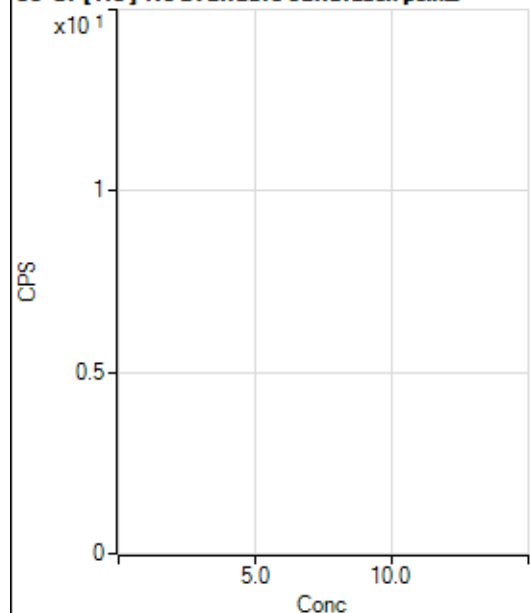
$$BEC = 1.19\text{E}+04$$

Weight: <None>

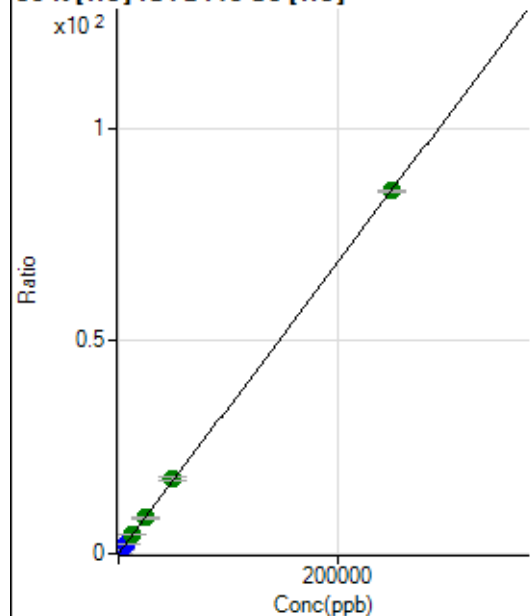
Min Conc: 0

35 Cl [No Gas] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			585851.80		P	0.1
2	☐			540680.90		P	0.2
3	☐			512780.89		P	0.8
4	☐			499342.22		P	0.5
5	☐			478726.22		P	0.4
6	☐			475868.89		P	0.3
7	☐			458849.48		P	1.2
8	☐			453699.91		P	0.3
9	☐			450540.11		P	0.3

35 Cl [He] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			3639.45		P	2.7
2	☐			3386.60		P	4.1
3	☐			3344.93		P	4.2
4	☐			3225.44		P	7.4
5	☐			2980.94		P	7.7
6	☐			3169.88		P	15.6
7	☐			2878.13		P	4.2
8	☐			2864.25		P	7.9
9	☐			3080.97		P	10.7

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	10370.70	0.0270	P	0.3
2	☐	50.000	47.719	16996.55	0.0433	P	5.1
3	☐	500.000	478.128	75193.60	0.1901	P	1.0
4	☐	2500.000	2641.055	352316.82	0.9280	P	5.9
5	☐	6250.000	6382.203	859691.13	2.2042	P	1.0
6	☐	12500.000	12746.506	1760854.27	4.3754	A	1.7
7	☐	25000.000	24617.048	3413781.80	8.4248	A	4.0
8	☐	50000.000	51349.148	6895843.90	17.5442	A	4.5
9	☐	250000.00	249751.46	36569860.54	85.2266	A	0.6

$$y = 3.4114\text{E-}004 * x + 0.0270$$

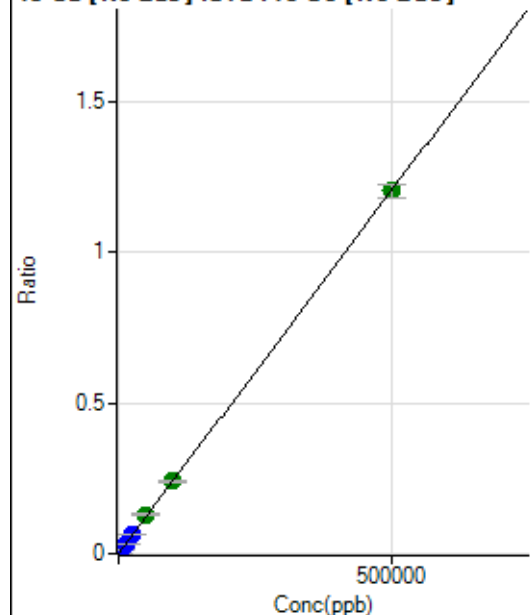
$$R = 1.0000$$

$$DL = 0.8145$$

$$BEC = 79.26$$

Weight: <None>

Min Conc: 0

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

	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	341.21	0.0000	P	13.9
2	☐	50.000	53.003	2051.98	0.0002	P	5.8
3	☐	500.000	489.401	16660.46	0.0012	P	6.5
4	☐	5000.000	5151.181	173008.21	0.0124	P	0.9
5	☐	12500.000	12899.311	436995.81	0.0311	P	4.0
6	☐	25000.000	25885.168	878050.12	0.0624	P	2.9
7	☐	50000.000	53939.799	1788586.94	0.1300	A	4.1
8	☐	100000.00	100081.13	3542175.72	0.2412	A	2.1
9	☐	500000.00	499534.05	17134951.91	1.2038	A	4.1

$$y = 2.4097\text{E-}006 * x + 2.5208\text{E-}005$$

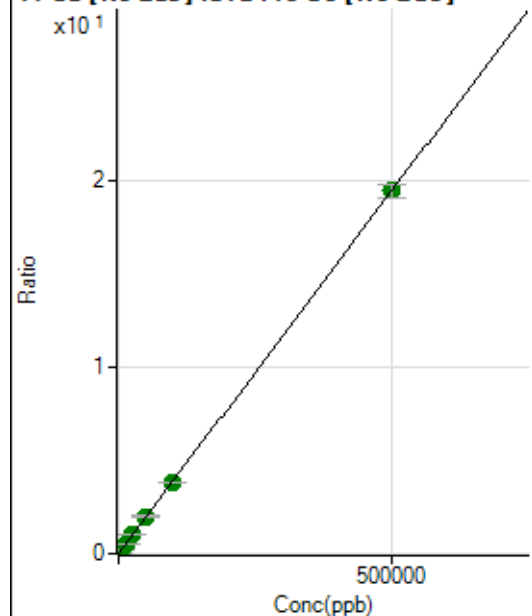
$$R = 1.0000$$

$$DL = 4.364$$

$$BEC = 10.46$$

Weight: <None>

Min Conc: 0

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

	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	17913.52	0.0013	P	2.9
2	☐	50.000	54.753	46324.89	0.0035	P	5.2
3	☐	500.000	489.491	281703.77	0.0204	P	6.0
4	☐	5000.000	5173.012	2817356.17	0.2025	A	0.6
5	☐	12500.000	12729.246	6973076.40	0.4965	A	4.7
6	☐	25000.000	25868.960	14177303.28	1.0076	A	3.0
7	☐	50000.000	51474.595	27558118.61	2.0036	A	5.0
8	☐	100000.00	97235.756	55574124.99	3.7836	A	0.8
9	☐	500000.00	500354.49	277069126.8	19.4642	A	3.8

$$y = 3.8898\text{E-}005 * x + 0.0013$$

$$R = 1.0000$$

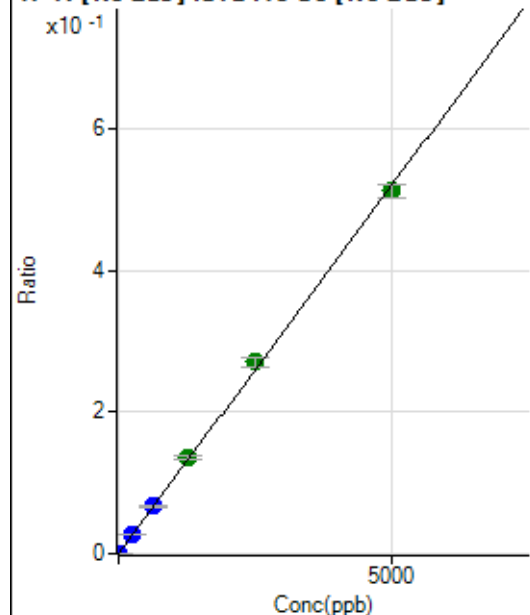
$$DL = 2.923$$

$$BEC = 34.01$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	211.12	0.0000	P	17.8
2	☐	0.500	0.510	922.28	0.0001	P	2.7
3	☐	5.000	5.141	7624.46	0.0006	P	3.8
4	☐	250.000	257.504	372792.38	0.0268	P	1.5
5	☐	625.000	651.104	951519.54	0.0677	P	4.4
6	☐	1250.000	1300.895	1904349.65	0.1353	A	2.9
7	☐	2500.000	2607.220	3730644.66	0.2712	A	4.6
8	☐	5000.000	4930.028	7529600.95	0.5128	A	3.4
9	☐			2480.85	0.0002	P	4.3

$$y = 1.0402\text{E-}004 * x + 1.5587\text{E-}005$$

$$R = 0.9996$$

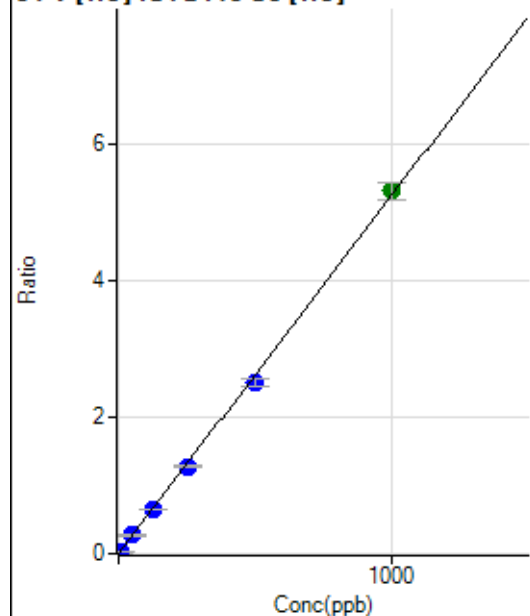
$$DL = 0.07988$$

$$BEC = 0.1498$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	8.89	0.0000	P	21.8
2	☐	0.500	0.502	1043.38	0.0027	P	4.7
3	☐	5.000	4.867	10111.44	0.0256	P	1.4
4	☐	50.000	51.022	101693.90	0.2678	P	5.3
5	☐	125.000	123.629	253056.10	0.6489	P	2.4
6	☐	250.000	243.075	513366.99	1.2759	P	2.8
7	☐	500.000	477.500	1015584.16	2.5063	P	4.0
8	☐	1000.000	1013.102	2090514.46	5.3176	A	4.4
9	☐			231.12	0.0005	P	7.6

$$y = 0.0052 * x + 2.3186\text{E-}005$$

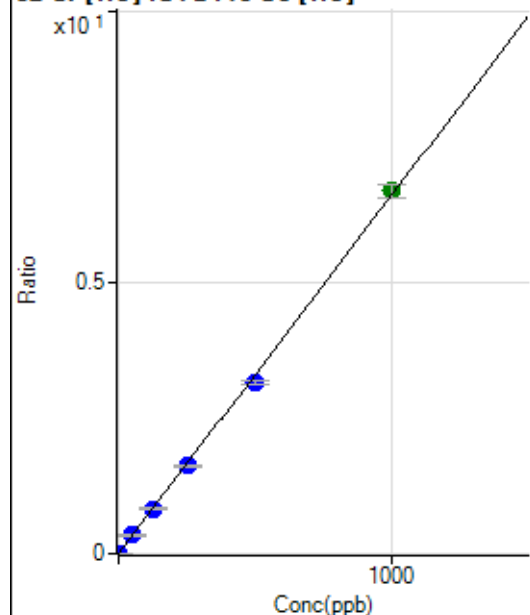
$$R = 0.9996$$

$$DL = 0.002889$$

$$BEC = 0.004417$$

Weight: <None>

Min Conc: 0

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

	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	692.25	0.0018	P	3.3
2	☐	0.200	0.191	1203.40	0.0031	P	5.0
3	☐	2.000	1.993	5911.28	0.0149	P	2.7
4	☐	50.000	51.562	129797.67	0.3419	P	5.4
5	☐	125.000	125.190	322671.39	0.8274	P	2.1
6	☐	250.000	244.412	649289.08	1.6137	P	2.7
7	☐	500.000	477.771	1277894.74	3.1527	P	2.7
8	☐	1000.000	1012.410	2625736.18	6.6786	A	3.4
9	☐			5657.84	0.0132	P	2.8

$$y = 0.0066 * x + 0.0018$$

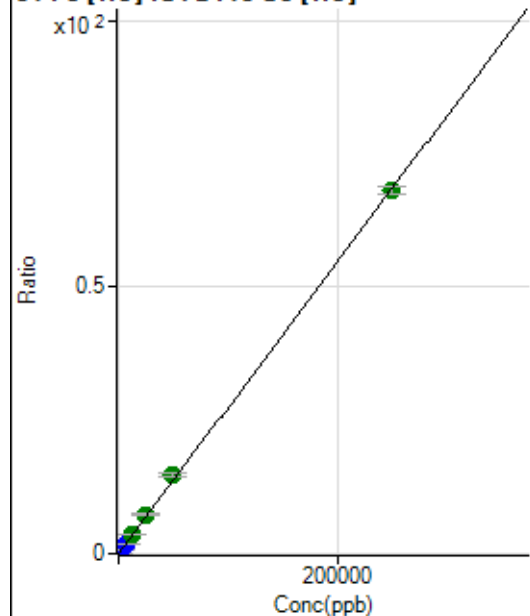
$$R = 0.9996$$

$$DL = 0.02708$$

$$BEC = 0.2737$$

Weight: <None>

Min Conc: 0

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

	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	287.05	0.0007	P	25.7
2	☐	5.000	6.137	951.90	0.0024	P	8.8
3	☐	50.000	53.782	6105.12	0.0154	P	0.7
4	☐	2500.000	2768.426	287436.39	0.7569	P	5.0
5	☐	6250.000	6649.598	708580.60	1.8171	P	2.3
6	☐	12500.000	13569.829	1491688.26	3.7073	A	3.4
7	☐	25000.000	26723.563	2958565.26	7.3001	A	3.3
8	☐	50000.000	53909.962	5788557.31	14.7260	A	4.7
9	☐	250000.00	248979.48	29180035.37	68.0081	A	2.2

$$y = 2.7314E-004 * x + 7.4867E-004$$

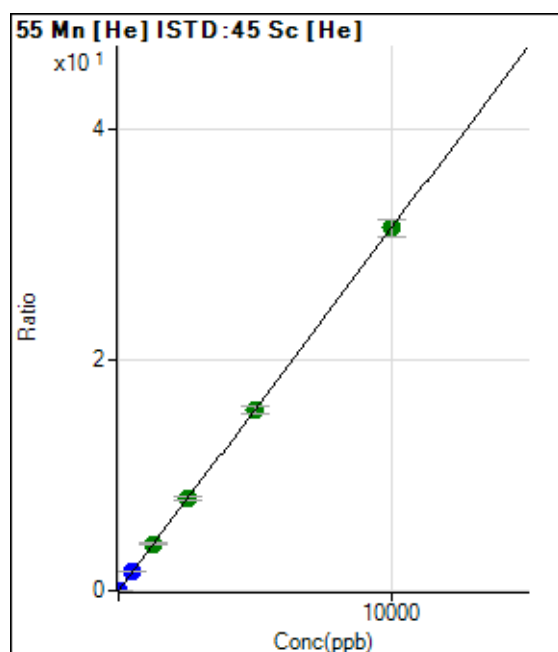
$$R = 0.9999$$

$$DL = 2.117$$

$$BEC = 2.741$$

Weight: <None>

Min Conc: 0



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	83.33	0.0002	P	10.6
2	☐	0.100	0.106	215.56	0.0006	P	19.3
3	☐	1.000	1.001	1330.08	0.0034	P	3.0
4	☐	500.000	524.869	626661.09	1.6507	P	5.9
5	☐	1250.000	1290.790	1582876.42	4.0592	A	2.8
6	☐	2500.000	2538.947	3212435.37	7.9841	A	2.9
7	☐	5000.000	4968.515	6331036.64	15.6241	A	3.9
8	☐	10000.000	9999.664	12357899.82	31.4449	A	4.5
9	☐			9650.00	0.0225	P	0.5

$$y = 0.0031 * x + 2.1727E-004$$

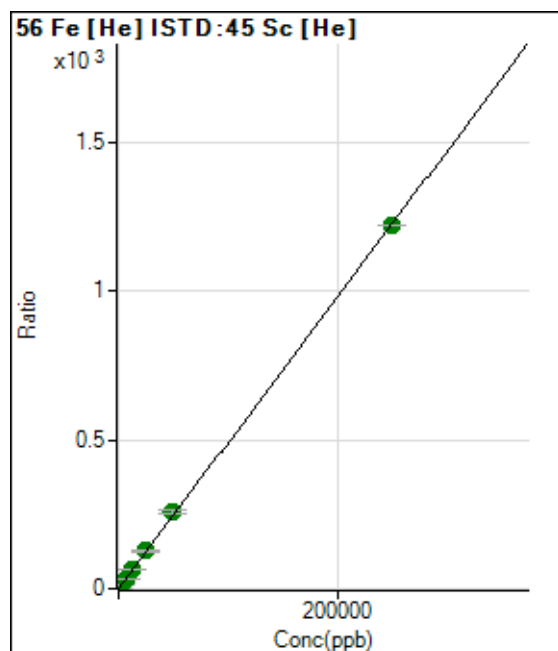
$$R = 1.0000$$

$$DL = 0.02194$$

$$BEC = 0.0691$$

Weight: <None>

Min Conc: 0



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	2553.98	0.0067	P	11.0
2	☐	5.000	5.393	12957.94	0.0330	P	3.1
3	☐	50.000	52.633	104334.40	0.2638	P	0.8
4	☐	2500.000	2824.986	5241871.01	13.8101	A	6.4
5	☐	6250.000	6785.168	12930160.47	33.1604	A	3.2
6	☐	12500.000	13298.440	26150834.61	64.9856	A	2.1
7	☐	25000.000	25812.879	51112996.05	126.1338	A	4.1
8	☐	50000.000	53217.059	102170331.9	260.0363	A	5.4
9	☐	250000.00	249218.74	522532589.4	1,217.741	A	0.1

$$y = 0.0049 * x + 0.0067$$

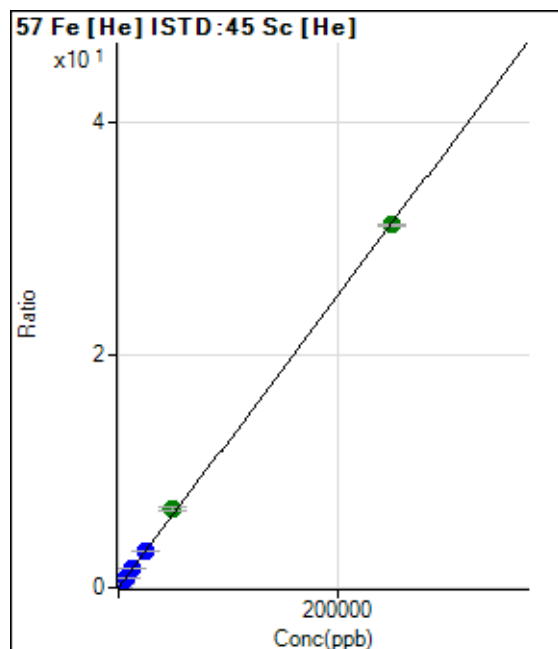
$$R = 0.9999$$

$$DL = 0.4495$$

$$BEC = 1.363$$

Weight: <None>

Min Conc: 0



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	96.30	0.0003	P	17.8
2	☐	5.000	3.864	288.90	0.0007	P	10.9
3	☐	50.000	50.226	2581.76	0.0065	P	6.3
4	☐	2500.000	2724.606	129394.97	0.3408	P	5.8
5	☐	6250.000	6567.565	320292.77	0.8212	P	1.1
6	☐	12500.000	12858.813	646732.10	1.6077	P	4.1
7	☐	25000.000	25059.102	1269684.11	3.1328	P	3.1
8	☐	50000.000	54314.619	2667956.51	6.7899	A	5.3
9	☐	250000.00	249103.04	13361699.95	31.1396	A	0.6

$$y = 1.2501\text{E-}004 * x + 2.5113\text{E-}004$$

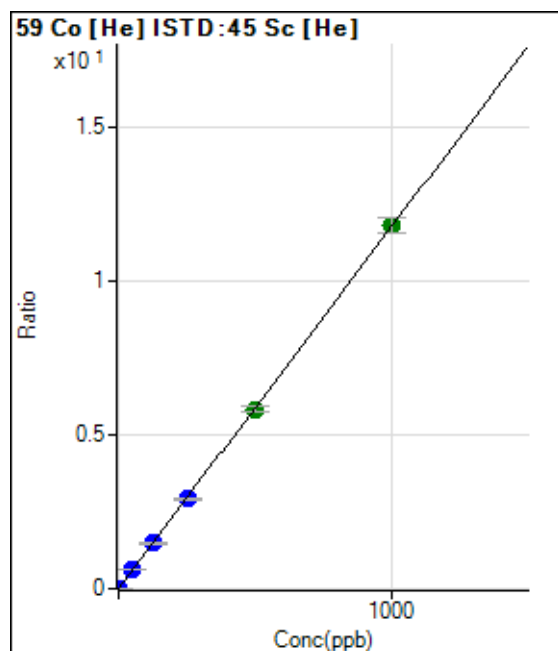
$$R = 0.9998$$

$$DL = 1.071$$

$$BEC = 2.009$$

Weight: <None>

Min Conc: 0



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	95.56	0.0002	P	25.9
2	☐	0.100	0.103	574.46	0.0015	P	1.9
3	☐	1.000	1.009	4791.97	0.0121	P	1.9
4	☐	50.000	52.255	233557.74	0.6149	P	4.4
5	☐	125.000	126.781	581619.07	1.4916	P	3.1
6	☐	250.000	247.403	1171177.22	2.9105	P	2.2
7	☐	500.000	495.258	2361426.72	5.8261	A	3.2
8	☐	1000.000	1002.685	4635972.36	11.7951	A	4.3
9	☐			10811.97	0.0252	P	1.5

$$y = 0.0118 * x + 2.4921\text{E-}004$$

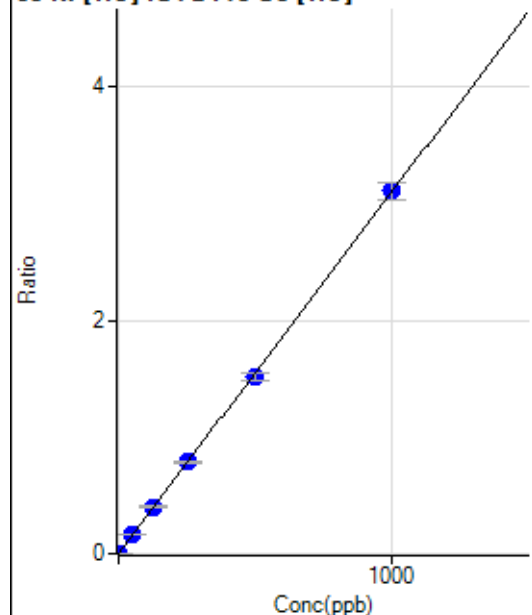
$$R = 1.0000$$

$$DL = 0.01643$$

$$BEC = 0.02118$$

Weight: <None>

Min Conc: 0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	407.79	0.0011	P	9.3
2	☒	0.100					
3	☐	1.000	0.725	1308.96	0.0033	P	1.5
4	☐	50.000	53.664	63517.83	0.1673	P	5.8
5	☐	125.000	129.439	156770.55	0.4020	P	2.4
6	☐	250.000	253.191	315996.87	0.7854	P	2.8
7	☐	500.000	488.929	614096.74	1.5156	P	4.3
8	☐	1000.000	1004.000	1222665.40	3.1111	P	4.6
9	☐			3135.93	0.0073	P	2.6

$$y = 0.0031 * x + 0.0011$$

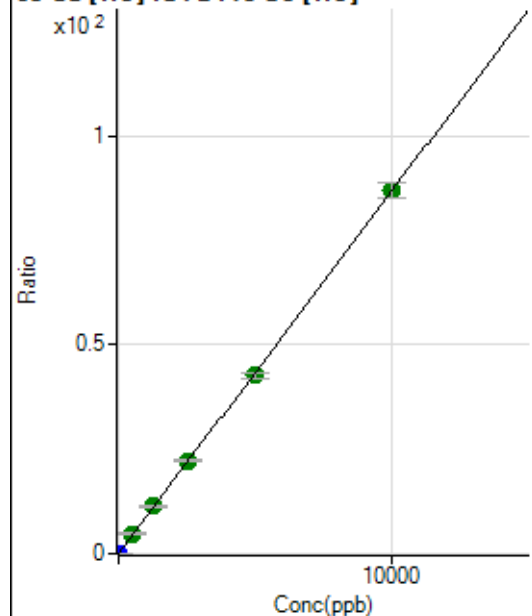
$$R = 0.9999$$

$$DL = 0.09605$$

$$BEC = 0.3432$$

Weight: <None>

Min Conc: 0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	1207.84	0.0031	P	2.9
2	☒	0.200					
3	☐	2.000	1.731	7180.78	0.0182	P	3.5
4	☐	500.000	552.752	1821433.78	4.7955	A	4.6
5	☐	1250.000	1313.481	4442012.78	11.3910	A	2.3
6	☐	2500.000	2554.981	8914345.91	22.1548	A	2.6
7	☐	5000.000	4922.261	17295881.41	42.6791	A	3.7
8	☐	10000.000	10014.552	34127975.05	86.8291	A	4.2
9	☐			6449.31	0.0150	P	2.2

$$y = 0.0087 * x + 0.0031$$

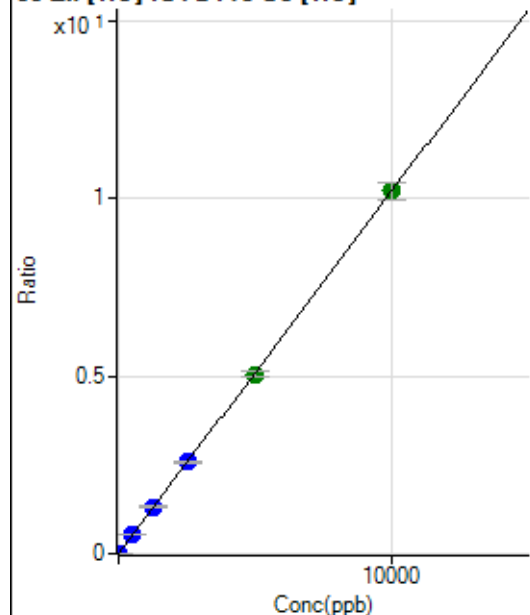
$$R = 0.9999$$

$$DL = 0.03205$$

$$BEC = 0.3632$$

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	210.00	0.0005	P	19.0
2	☒	0.200					
3	☐	2.000	2.296	1142.28	0.0029	P	7.8
4	☐	500.000	539.290	208913.85	0.5502	P	5.4
5	☐	1250.000	1299.652	516817.70	1.3253	P	1.9
6	☐	2500.000	2532.165	1038664.48	2.5815	P	3.0
7	☐	5000.000	4942.050	2041831.65	5.0379	A	3.0
8	☐	10000.000	10012.763	4011653.83	10.2063	A	4.7
9	☐			6183.63	0.0144	P	2.0

$$y = 0.0010 * x + 5.4740E-004$$

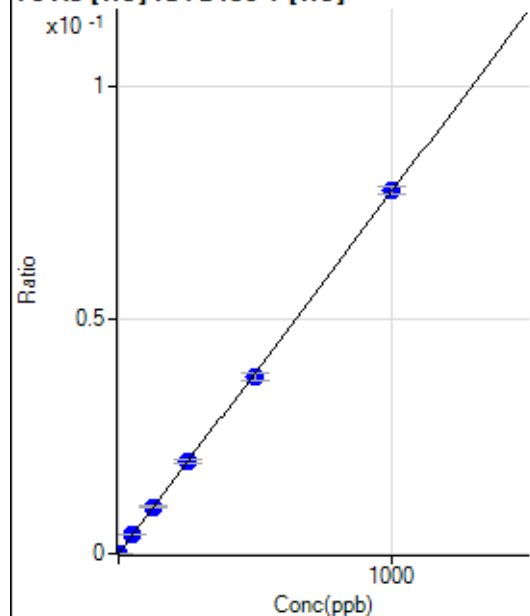
$$R = 1.0000$$

$$DL = 0.3065$$

$$BEC = 0.5371$$

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	8.67	0.0000	P	39.5
2	☐	0.100	0.111	34.00	0.0000	P	22.4
3	☐	1.000	0.950	223.02	0.0001	P	4.2
4	☐	50.000	52.571	11559.23	0.0041	P	4.3
5	☐	125.000	129.209	28953.75	0.0100	P	2.5
6	☐	250.000	254.969	58336.16	0.0197	P	2.7
7	☐	500.000	490.661	114468.21	0.0380	P	4.0
8	☐	1000.000	1002.773	228980.50	0.0776	P	2.2
9	☐			70.34	0.0000	P	4.8

$$y = 7.7390E-005 * x + 3.0457E-006$$

$$R = 0.9999$$

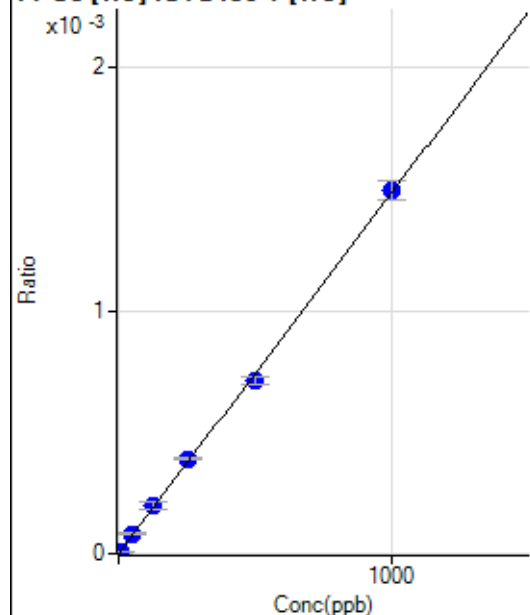
$$DL = 0.04668$$

$$BEC = 0.03936$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	0.00	0.0000	P	
2	☐	0.500	1.533	6.67	0.0000	P	3.6
3	☐	5.000	6.191	26.67	0.0000	P	55.0
4	☐	50.000	55.288	232.23	0.0001	P	16.6
5	☐	125.000	134.857	578.91	0.0002	P	15.6
6	☐	250.000	261.535	1147.84	0.0004	P	2.3
7	☐	500.000	480.764	2150.18	0.0007	P	4.2
8	☐	1000.000	1005.231	4399.62	0.0015	P	5.4
9	☐			1.11	0.0000	P	173.2

$$y = 1.4837\text{E-}006 * x + 0.0000\text{E+}000$$

$$R = 0.9996$$

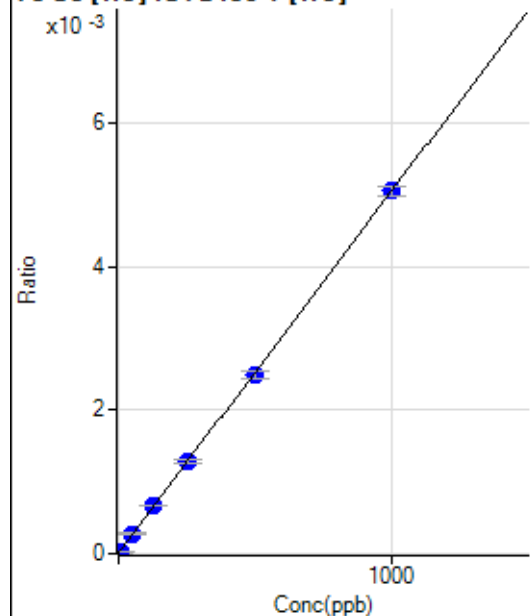
$$DL = 0$$

$$BEC = 0$$

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	28.33	0.0000	P	10.5
2	☐	0.500	0.064	30.33	0.0000	P	23.7
3	☐	5.000	4.824	100.01	0.0000	P	8.7
4	☐	50.000	51.555	766.10	0.0003	P	8.6
5	☐	125.000	131.775	1954.67	0.0007	P	1.4
6	☐	250.000	254.097	3819.58	0.0013	P	5.2
7	☐	500.000	493.549	7539.45	0.0025	P	4.2
8	☐	1000.000	1001.278	14940.75	0.0051	P	2.9
9	☐			34.00	0.0000	P	23.7

$$y = 5.0478\text{E-}006 * x + 1.0004\text{E-}005$$

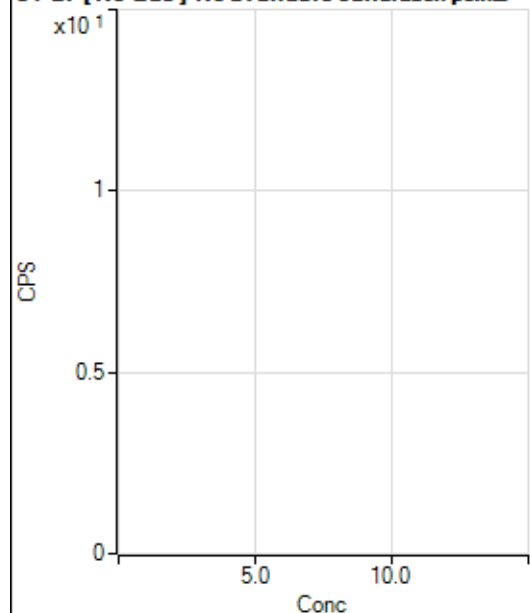
$$R = 0.9999$$

$$DL = 0.6222$$

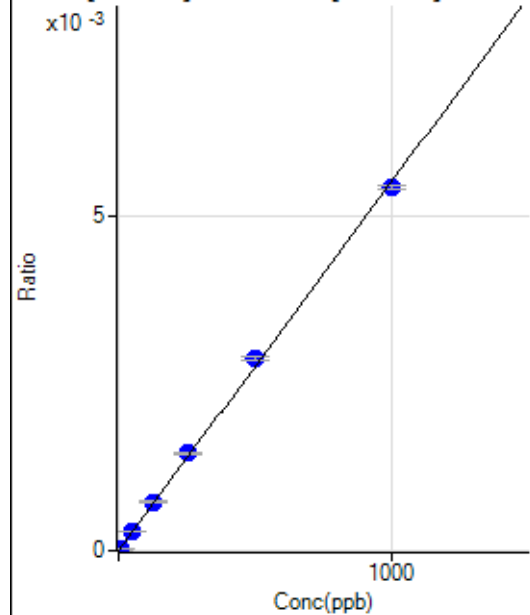
$$BEC = 1.982$$

Weight: <None>

Min Conc: 0

81 Br [No Gas] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			7095.84		P	5.8
2	☐			7115.84		P	5.9
3	☐			7085.78		P	5.2
4	☐			7369.51		P	5.7
5	☐			7185.94		P	4.5
6	☐			7376.25		P	1.9
7	☐			7336.16		P	2.3
8	☐			7716.84		P	1.8
9	☐			8371.17		P	3.9

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	-51.12	0.0000	P	-141.
2	☒	0.500					
3	☐	5.000	5.990	945.40	0.0000	P	5.6
4	☐	50.000	53.633	8966.09	0.0003	P	0.5
5	☐	125.000	132.126	22600.50	0.0007	P	4.4
6	☐	250.000	265.495	45057.81	0.0015	P	2.2
7	☐	500.000	522.652	87381.00	0.0029	P	2.4
8	☐	1000.000	983.723	174451.32	0.0054	P	1.2
9	☐			49.56	0.0000	P	101.8

$$y = 5.5009E-006 * x - 1.7376E-006$$

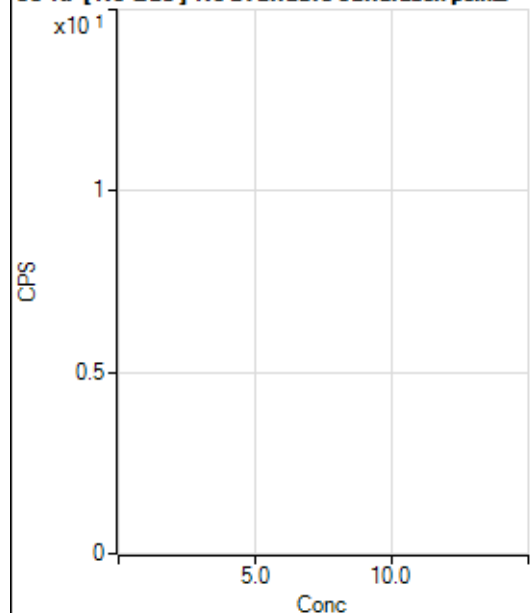
$$R = 0.9995$$

$$DL = 1.343$$

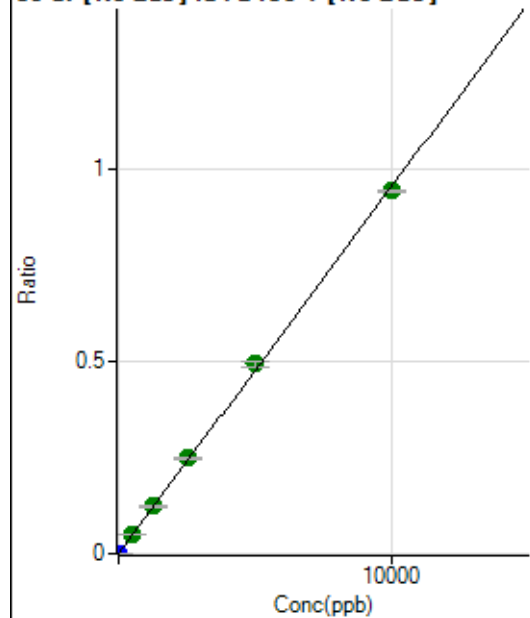
$$BEC = -0.3159$$

Weight: <None>

Min Conc: 0

83 Kr [No Gas] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			623.36		P	9.8
2	☐			572.24		P	9.9
3	☐			535.57		P	2.8
4	☐			558.91		P	9.4
5	☐			553.35		P	1.8
6	☐			608.91		P	15.6
7	☐			608.91		P	7.9
8	☐			642.24		P	12.9
9	☐			615.57		P	6.5

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	1002.84	0.0000	P	8.0
2	☐	0.100	0.102	1294.54	0.0000	P	12.8
3	☐	1.000	1.158	4375.81	0.0001	P	5.3
4	☐	500.000	513.326	1499591.82	0.0491	A	0.9
5	☐	1250.000	1289.556	3840281.42	0.1232	A	4.7
6	☐	2500.000	2595.455	7657402.78	0.2479	A	2.4
7	☐	5000.000	5168.267	15011825.33	0.4936	A	2.6
8	☐	10000.000	9886.392	30452736.10	0.9442	A	0.5
9	☐			12080.51	0.0004	P	6.8

$$y = 9.5506E-005 * x + 3.3840E-005$$

$$R = 0.9997$$

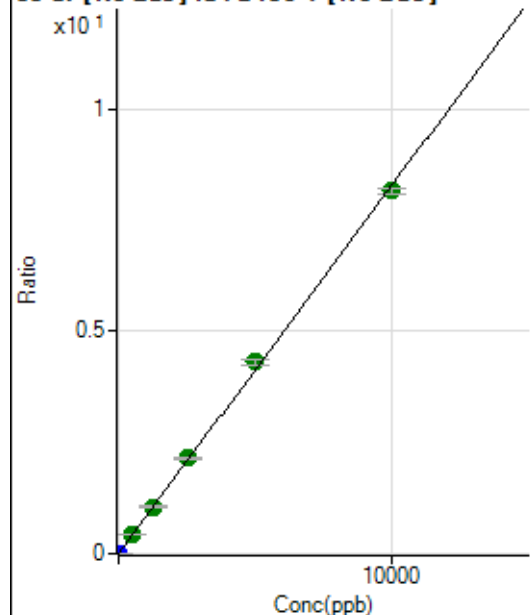
$$DL = 0.0846$$

$$BEC = 0.3543$$

Weight: <None>

Min Conc: 0

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



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	638.93	0.0000	P	49.5
2	☐	0.100	0.130	3831.23	0.0001	P	14.8
3	☐	1.000	1.128	28964.03	0.0010	P	2.5
4	☐	500.000	512.618	12967743.61	0.4242	A	0.7
5	☐	1250.000	1272.533	32818110.46	1.0531	A	5.3
6	☐	2500.000	2589.348	66180477.87	2.1428	A	2.9
7	☐	5000.000	5220.426	131372043.2	4.3201	A	3.3
8	☐	10000.000	9864.002	263229325.3	8.1629	A	1.5
9	☐			98695.72	0.0032	P	3.8

$$y = 8.2754\text{E-}004 * x + 2.1649\text{E-}005$$

$$R = 0.9996$$

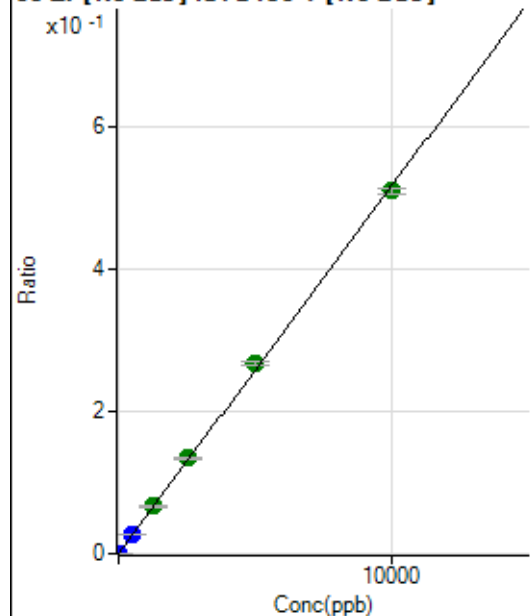
$$DL = 0.03886$$

$$BEC = 0.02616$$

Weight: <None>

Min Conc: 0

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



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	1394.55	0.0000	P	6.6
2	☐	0.100	1.099	3092.09	0.0001	P	1.8
3	☐	1.000	9.695	16621.37	0.0005	P	4.0
4	☐	500.000	512.464	811542.65	0.0266	P	1.0
5	☐	1250.000	1283.688	2071501.56	0.0664	A	3.1
6	☐	2500.000	2603.904	4160677.74	0.1347	A	2.8
7	☐	5000.000	5189.404	8163524.14	0.2684	A	2.4
8	☐	10000.000	9874.487	16470102.97	0.5107	A	1.6
9	☐			5215.03	0.0002	P	2.5

$$y = 5.1717\text{E-}005 * x + 4.7009\text{E-}005$$

$$R = 0.9997$$

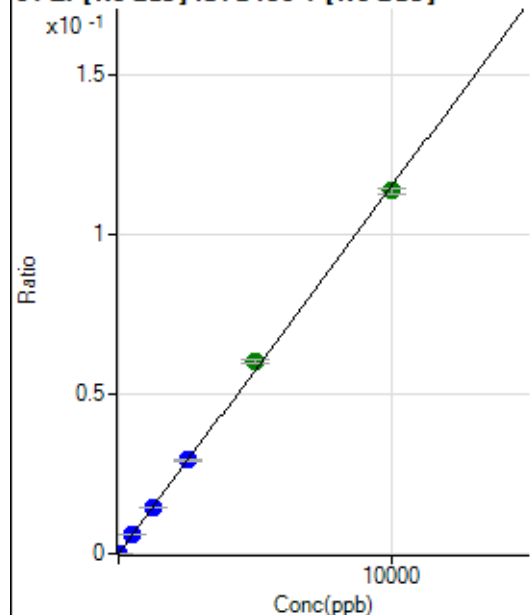
$$DL = 0.1807$$

$$BEC = 0.909$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	344.46	0.0000	P	17.6
2	☐	0.100	0.754	608.36	0.0000	P	18.0
3	☐	1.000	9.115	3536.66	0.0001	P	6.6
4	☐	500.000	507.437	179041.23	0.0059	P	1.9
5	☐	1250.000	1249.289	449185.98	0.0144	P	2.7
6	☐	2500.000	2546.216	906460.25	0.0293	P	2.5
7	☐	5000.000	5218.524	1828960.93	0.0601	A	2.0
8	☐	10000.000	9878.900	3670736.76	0.1138	A	1.4
9	☐			1125.08	0.0000	P	8.8

$$y = 1.1521\text{E-}005 * x + 1.1605\text{E-}005$$

$$R = 0.9997$$

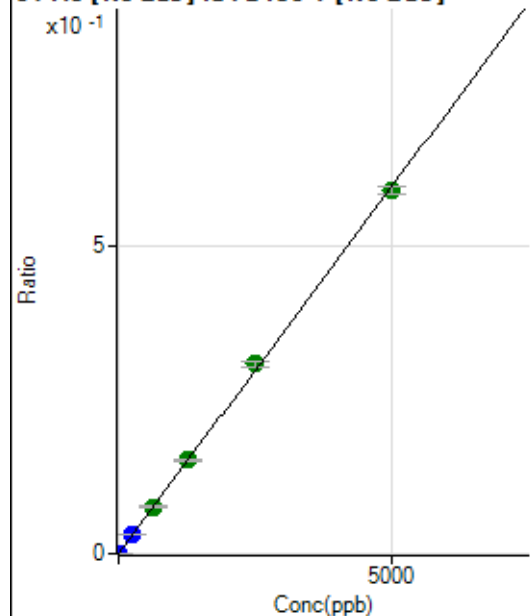
$$DL = 0.5325$$

$$BEC = 1.007$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	547.25	0.0000	P	10.4
2	☐	0.500	0.586	2630.88	0.0001	P	4.4
3	☐	5.000	5.143	19119.08	0.0006	P	7.1
4	☐	250.000	258.101	940954.34	0.0308	P	1.5
5	☐	625.000	637.151	2369309.39	0.0760	A	1.9
6	☐	1250.000	1280.442	4715073.72	0.1527	A	2.4
7	☐	2500.000	2588.452	9383020.18	0.3086	A	3.1
8	☐	5000.000	4946.239	19013003.20	0.5896	A	2.0
9	☐			4159.06	0.0001	P	8.1

$$y = 1.1921\text{E-}004 * x + 1.8463\text{E-}005$$

$$R = 0.9998$$

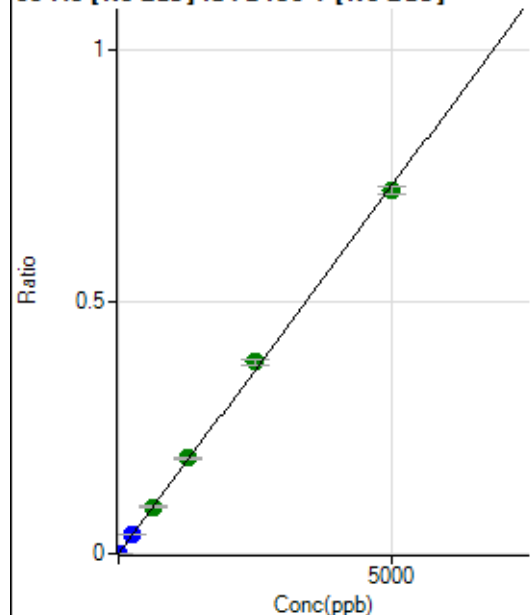
$$DL = 0.04852$$

$$BEC = 0.1549$$

Weight: <None>

Min Conc: 0

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



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	55.56	0.0000	P	46.0
2	☐	0.500	0.514	2283.58	0.0001	P	11.1
3	☐	5.000	5.213	23128.24	0.0008	P	4.8
4	☐	250.000	254.803	1137649.26	0.0372	P	1.9
5	☐	625.000	632.083	2878852.24	0.0923	A	3.5
6	☐	1250.000	1295.832	5846828.30	0.1893	A	2.4
7	☐	2500.000	2604.224	11569051.73	0.3804	A	2.3
8	☐	5000.000	4935.304	23246721.00	0.7209	A	2.0
9	☐			4567.56	0.0001	P	9.7

$$y = 1.4608\text{E-}004 * x + 1.8771\text{E-}006$$

$$R = 0.9996$$

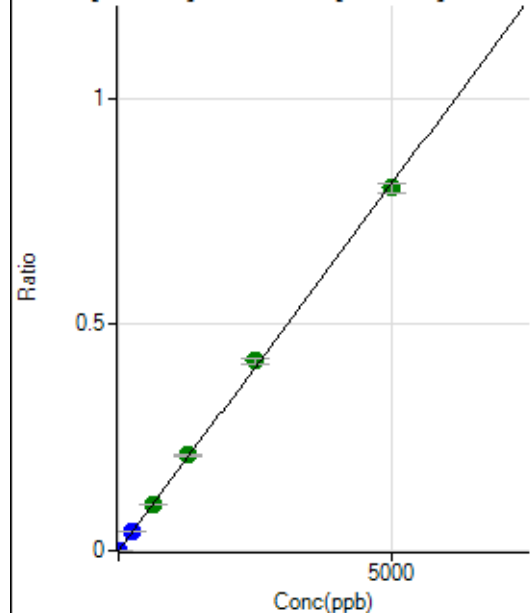
$$DL = 0.01774$$

$$BEC = 0.01285$$

Weight: <None>

Min Conc: 0

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



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	194.45	0.0000	P	33.5
2	☐	0.500	0.531	2753.12	0.0001	P	10.4
3	☐	5.000	5.094	25226.19	0.0008	P	6.0
4	☐	250.000	254.824	1263635.58	0.0413	P	2.5
5	☐	625.000	633.117	3203097.01	0.1027	A	2.6
6	☐	1250.000	1299.033	6509270.85	0.2108	A	2.8
7	☐	2500.000	2585.396	12753759.31	0.4194	A	3.3
8	☐	5000.000	4943.788	25860646.41	0.8021	A	2.6
9	☐			7482.81	0.0002	P	0.7

$$y = 1.6223\text{E-}004 * x + 6.5677\text{E-}006$$

$$R = 0.9997$$

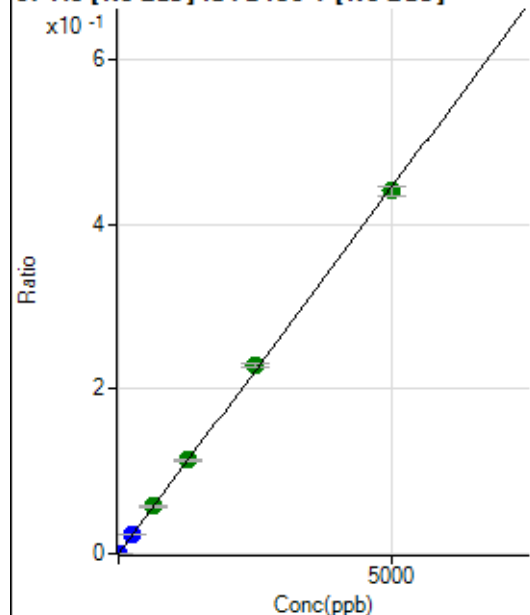
$$DL = 0.04067$$

$$BEC = 0.04048$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	50.00	0.0000	P	1.6
2	☐	0.500	0.526	1439.01	0.0000	P	11.5
3	☐	5.000	5.301	14343.86	0.0005	P	2.3
4	☐	250.000	259.483	705209.18	0.0231	P	1.5
5	☐	625.000	645.952	1790898.89	0.0574	A	2.7
6	☐	1250.000	1279.925	3515197.78	0.1138	A	2.1
7	☐	2500.000	2573.734	6959575.68	0.2288	A	1.8
8	☐	5000.000	4952.558	14197768.72	0.4403	A	2.5
9	☐			2280.81	0.0001	P	9.4

$$y = 8.8910\text{E-}005 * x + 1.6867\text{E-}006$$

$$R = 0.9998$$

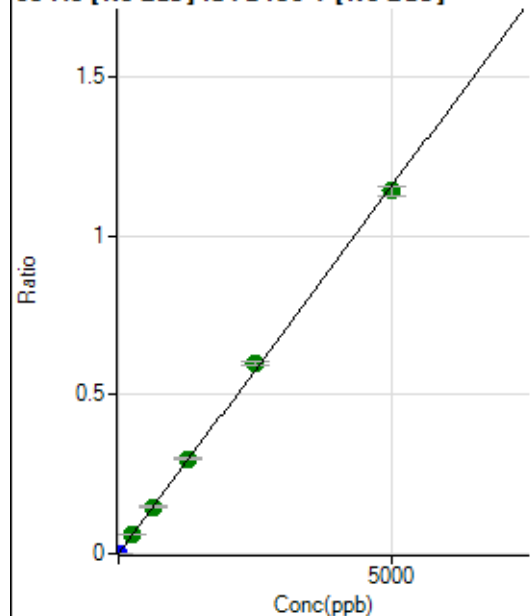
$$DL = 0.0009332$$

$$BEC = 0.01897$$

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	133.34	0.0000	P	33.5
2	☐	0.500	0.550	3914.56	0.0001	P	8.2
3	☐	5.000	5.317	37451.23	0.0012	P	3.0
4	☐	250.000	254.839	1803222.54	0.0590	A	1.7
5	☐	625.000	634.141	4576585.69	0.1468	A	3.7
6	☐	1250.000	1291.845	9237570.26	0.2991	A	2.6
7	☐	2500.000	2598.587	18294154.23	0.6016	A	2.3
8	☐	5000.000	4938.861	36864392.14	1.1433	A	2.5
9	☐			5698.54	0.0002	P	3.7

$$y = 2.3149\text{E-}004 * x + 4.5119\text{E-}006$$

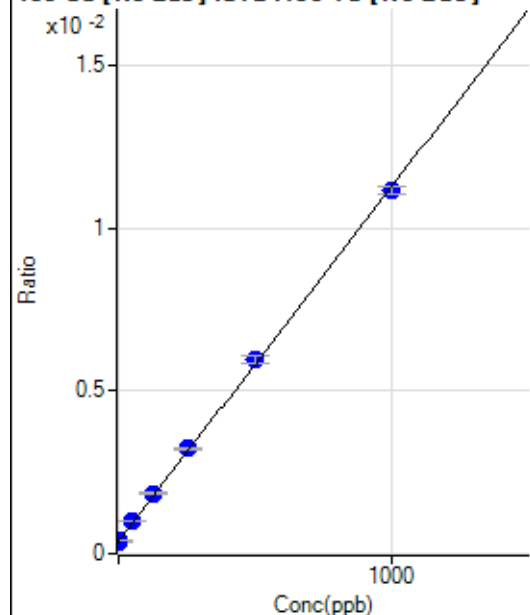
$$R = 0.9997$$

$$DL = 0.01961$$

$$BEC = 0.01949$$

Weight: <None>

Min Conc: 0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	8288.86	0.0004	P	1.4
2	☐	0.100	0.749	8833.65	0.0004	P	2.7
3	☐	1.000	2.097	9047.66	0.0004	P	4.1
4	☐	50.000	56.661	22463.32	0.0010	P	1.2
5	☐	125.000	133.524	42650.11	0.0018	P	3.3
6	☐	250.000	260.986	74004.79	0.0032	P	0.9
7	☐	500.000	514.373	137213.74	0.0060	P	3.9
8	☐	1000.000	988.667	269209.58	0.0111	P	2.2
9	☐			8805.80	0.0004	P	2.3

$$y = 1.0887\text{E-}005 * x + 3.8061\text{E-}004$$

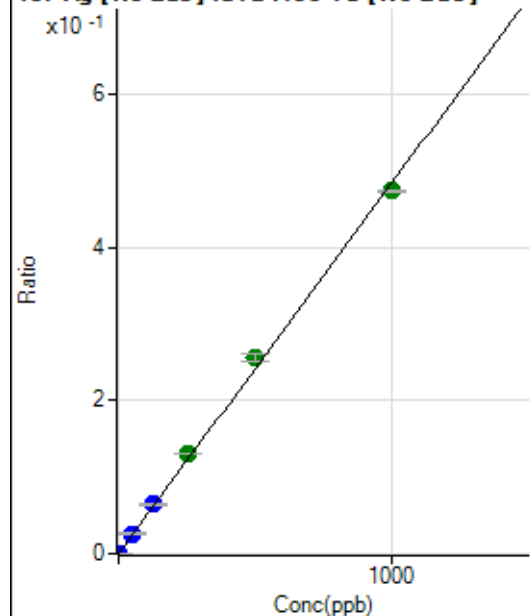
$$R = 0.9998$$

$$DL = 1.457$$

$$BEC = 34.96$$

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	188.90	0.0000	P	17.1
2	☐	0.100	0.104	1338.99	0.0001	P	7.8
3	☐	1.000	1.019	11249.34	0.0005	P	0.2
4	☐	50.000	54.391	592507.19	0.0263	P	1.8
5	☐	125.000	133.282	1499070.05	0.0645	P	3.0
6	☐	250.000	271.209	3013185.16	0.1312	A	0.7
7	☐	500.000	527.220	5850668.36	0.2550	A	3.9
8	☐	1000.000	979.833	11449868.40	0.4739	A	0.6
9	☐			2491.96	0.0001	P	10.4

$$y = 4.8366\text{E-}004 * x + 8.6598\text{E-}006$$

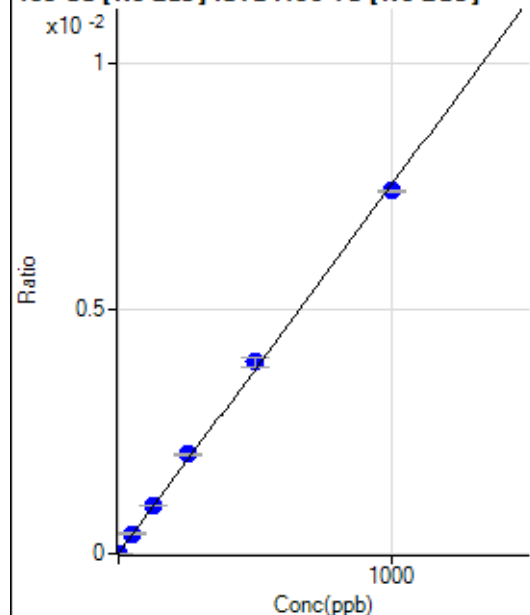
$$R = 0.9992$$

$$DL = 0.009161$$

$$BEC = 0.0179$$

Weight: <None>

Min Conc: 0

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

	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	58.33	0.0000	P	30.0
2	☐	0.100	0.074	73.61	0.0000	P	14.4
3	☐	1.000	1.069	240.28	0.0000	P	22.9
4	☐	50.000	54.399	9283.82	0.0004	P	3.1
5	☐	125.000	130.963	23001.28	0.0010	P	2.3
6	☐	250.000	269.257	46638.51	0.0020	P	1.1
7	☐	500.000	520.602	89999.86	0.0039	P	4.8
8	☐	1000.000	983.919	179084.94	0.0074	P	0.8
9	☐			162.50	0.0000	P	21.5

$$y = 7.5314\text{E-}006 * x + 2.6857\text{E-}006$$

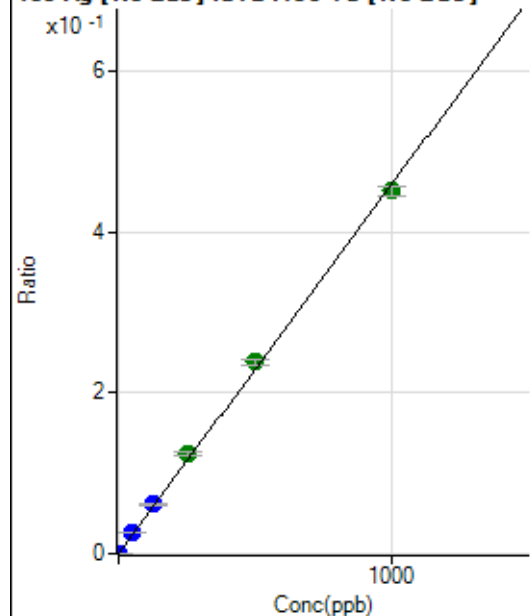
$$R = 0.9995$$

$$DL = 0.3208$$

$$BEC = 0.3566$$

Weight: <None>

Min Conc: 0

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

	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	52.78	0.0000	P	67.5
2	☐	0.100	0.110	1202.86	0.0001	P	5.1
3	☐	1.000	1.011	10448.71	0.0005	P	1.3
4	☐	50.000	55.496	573010.59	0.0254	P	2.0
5	☐	125.000	133.882	1426885.98	0.0614	P	4.4
6	☐	250.000	271.917	2862707.44	0.1247	A	4.2
7	☐	500.000	520.374	5476612.67	0.2386	A	2.8
8	☐	1000.000	982.949	10886897.21	0.4507	A	2.4
9	☐			2183.58	0.0001	P	13.1

$$y = 4.5855\text{E-}004 * x + 2.4406\text{E-}006$$

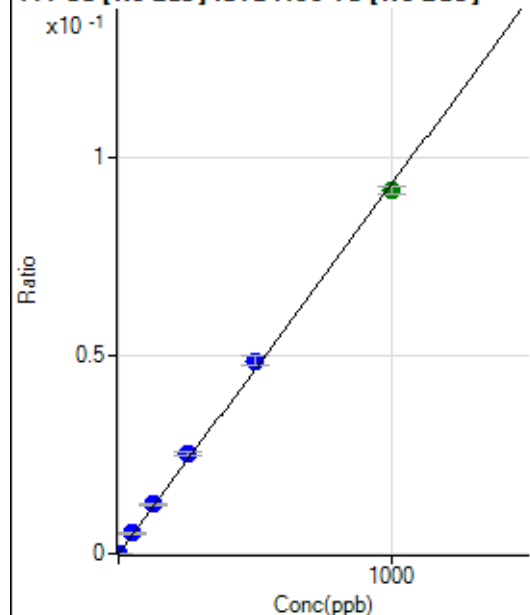
$$R = 0.9994$$

$$DL = 0.01077$$

$$BEC = 0.005322$$

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	7.77	0.0000	P	165.5
2	☐	0.100	0.130	283.53	0.0000	P	12.2
3	☐	1.000	1.045	2193.49	0.0001	P	6.3
4	☐	50.000	54.743	114840.69	0.0051	P	2.3
5	☐	125.000	133.539	289207.14	0.0124	P	4.0
6	☐	250.000	268.774	574984.12	0.0250	P	3.5
7	☐	500.000	523.181	1117800.57	0.0487	P	5.8
8	☐	1000.000	982.411	2211085.35	0.0915	A	2.1
9	☐			341.87	0.0000	P	10.1

$$y = 9.3170\text{E-}005 * x + 3.5303\text{E-}007$$

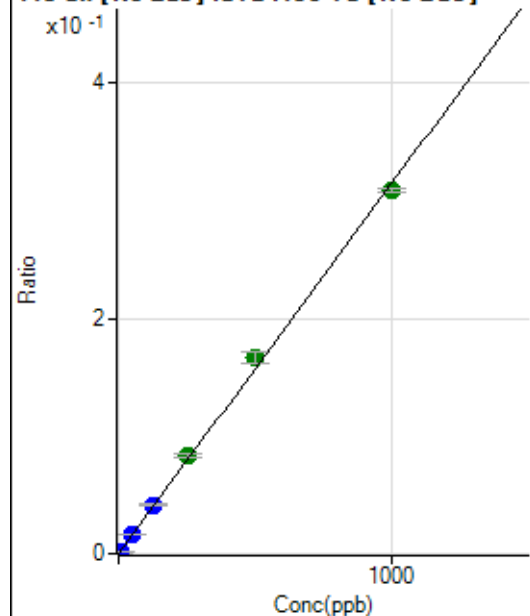
$$R = 0.9994$$

$$DL = 0.01881$$

$$BEC = 0.003789$$

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	866.72	0.0000	P	2.5
2	☐	0.500	0.530	4689.85	0.0002	P	6.8
3	☐	5.000	5.094	36827.94	0.0016	P	3.4
4	☐	50.000	53.521	380111.95	0.0169	P	1.5
5	☐	125.000	130.515	955598.17	0.0411	P	3.7
6	☐	250.000	266.026	1923090.97	0.0837	A	3.5
7	☐	500.000	529.574	3822534.46	0.1667	A	5.3
8	☐	1000.000	980.341	7453058.76	0.3085	A	1.1
9	☐			2842.05	0.0001	P	4.7

$$y = 3.1465\text{E-}004 * x + 3.9812\text{E-}005$$

$$R = 0.9992$$

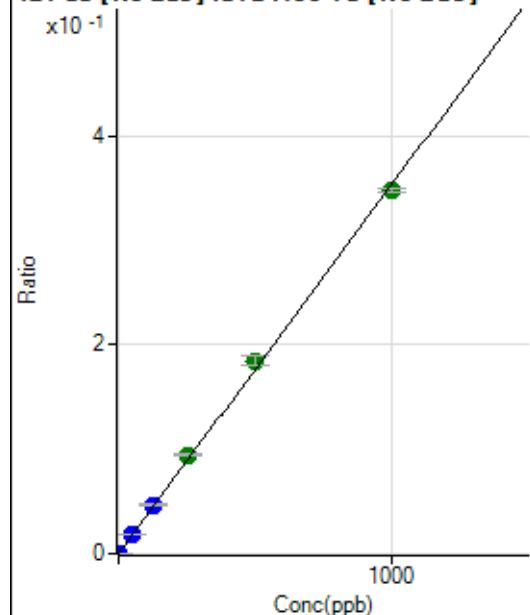
$$DL = 0.009567$$

$$BEC = 0.1265$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	50.00	0.0000	P	74.4
2	☐	0.200	0.222	1830.72	0.0001	P	5.8
3	☐	2.000	2.080	16504.88	0.0007	P	5.8
4	☐	50.000	53.615	426218.47	0.0189	P	2.6
5	☐	125.000	131.809	1081503.32	0.0465	P	4.7
6	☐	250.000	268.216	2174602.98	0.0947	A	2.5
7	☐	500.000	521.987	4227305.43	0.1843	A	4.8
8	☐	1000.000	983.421	8388800.88	0.3472	A	1.1
9	☐			3664.49	0.0002	P	12.1

$$y = 3.5305E-004 * x + 2.3146E-006$$

$$R = 0.9995$$

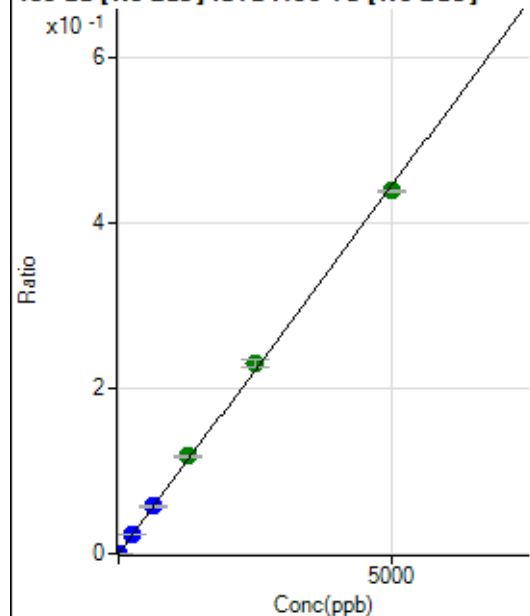
$$DL = 0.01464$$

$$BEC = 0.006556$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	169.45	0.0000	P	15.1
2	☐	1.000	1.005	2208.59	0.0001	P	8.1
3	☐	10.000	10.409	20947.30	0.0009	P	5.1
4	☐	250.000	263.892	529405.81	0.0235	P	1.2
5	☐	625.000	643.461	1331624.18	0.0573	P	5.6
6	☐	1250.000	1322.042	2704380.70	0.1178	A	1.7
7	☐	2500.000	2588.204	5287558.06	0.2305	A	4.9
8	☐	5000.000	4934.885	10618612.74	0.4395	A	0.3
9	☐			3928.46	0.0002	P	7.9

$$y = 8.9063E-005 * x + 7.7768E-006$$

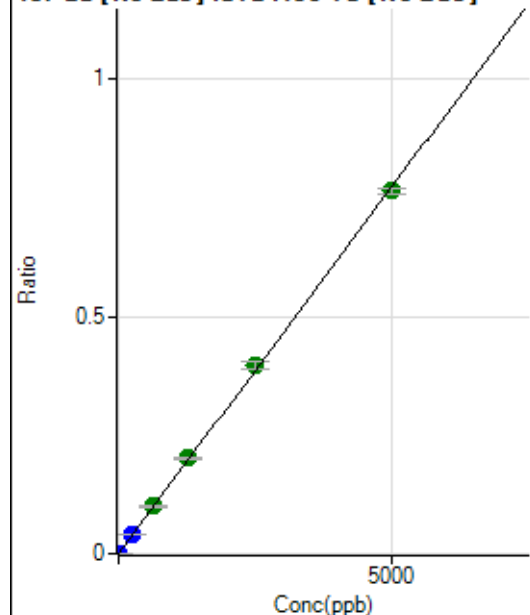
$$R = 0.9997$$

$$DL = 0.0396$$

$$BEC = 0.08732$$

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	141.67	0.0000	P	27.5
2	☐	1.000	1.156	4209.12	0.0002	P	5.4
3	☐	10.000	10.721	37305.03	0.0017	P	2.8
4	☐	250.000	264.492	920817.21	0.0409	P	1.3
5	☐	625.000	645.882	2320540.26	0.0999	A	4.7
6	☐	1250.000	1305.866	4635885.04	0.2019	A	2.5
7	☐	2500.000	2563.957	9093872.43	0.3964	A	4.1
8	☐	5000.000	4950.718	18488260.66	0.7653	A	1.5
9	☐			7077.04	0.0003	P	4.8

$$y = 1.5459\text{E-}004 * x + 6.5260\text{E-}006$$

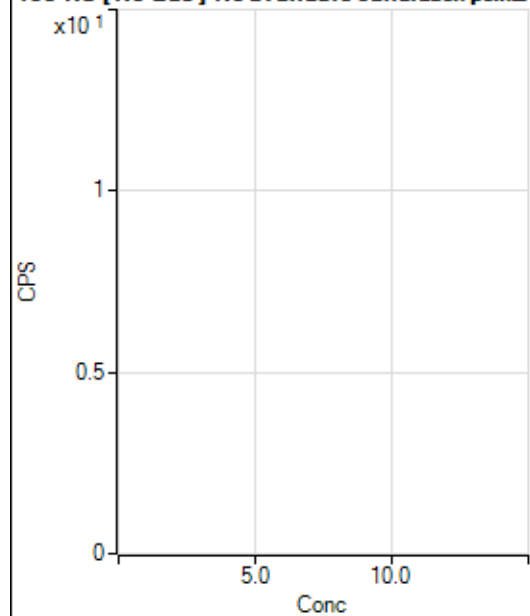
$$R = 0.9998$$

$$DL = 0.03483$$

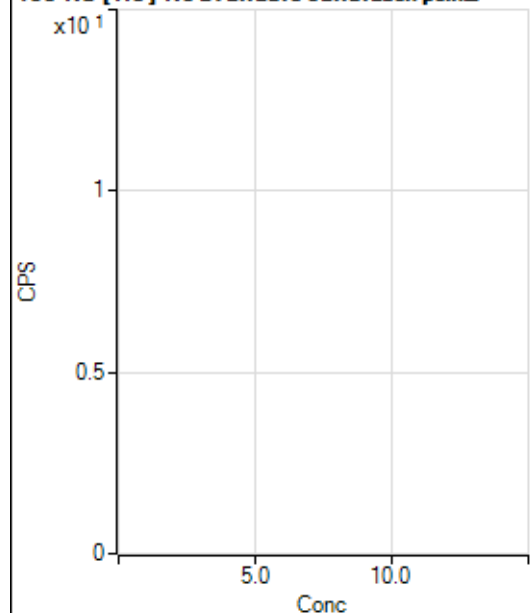
$$BEC = 0.04221$$

Weight: <None>

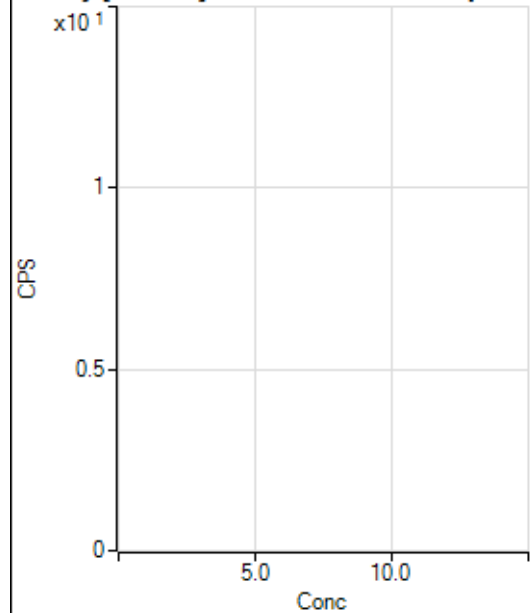
Min Conc: 0

150 Nd [No Gas] No available calibration points

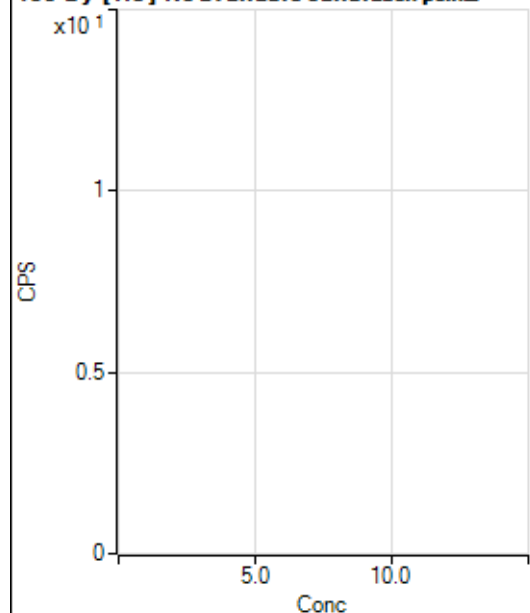
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			8.89		P	43.3
2	☐			11.11		P	91.7
3	☐			17.78		P	21.7
4	☐			35.56		P	39.0
5	☐			117.78		P	13.1
6	☐			186.67		P	7.1
7	☐			331.12		P	13.7
8	☐			675.59		P	6.4
9	☐			46.67		P	37.8

150 Nd [He] No available calibration points

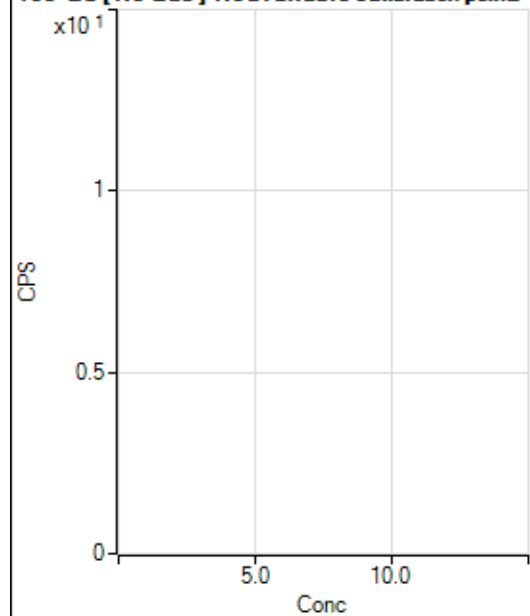
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			2.22		P	173.2
2	☐			3.33		P	100.1
3	☐			1.11		P	173.2
4	☐			8.89		P	108.3
5	☐			18.89		P	20.4
6	☐			25.56		P	45.8
7	☐			43.33		P	42.8
8	☐			66.67		P	5.0
9	☐			8.89		P	86.6

156 Dy [No Gas] No available calibration points

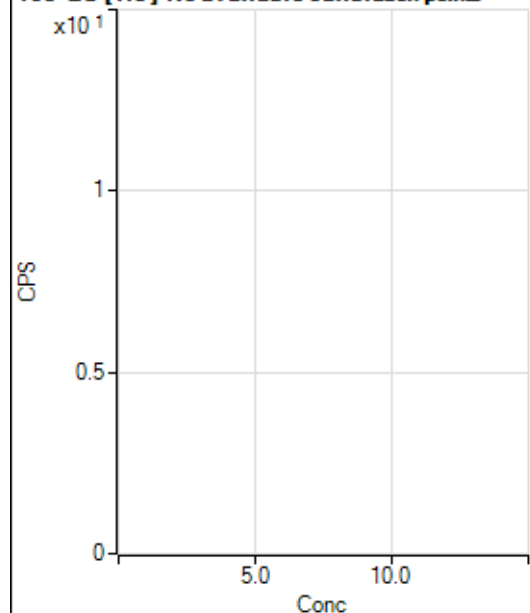
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			8.33		P	100.0
2	☐			11.11		P	43.3
3	☐			19.45		P	24.7
4	☐			50.00		P	28.9
5	☐			80.56		P	31.6
6	☐			147.23		P	39.8
7	☐			316.68		P	22.9
8	☐			480.58		P	5.6
9	☐			1491.79		P	7.0

156 Dy [He] No available calibration points

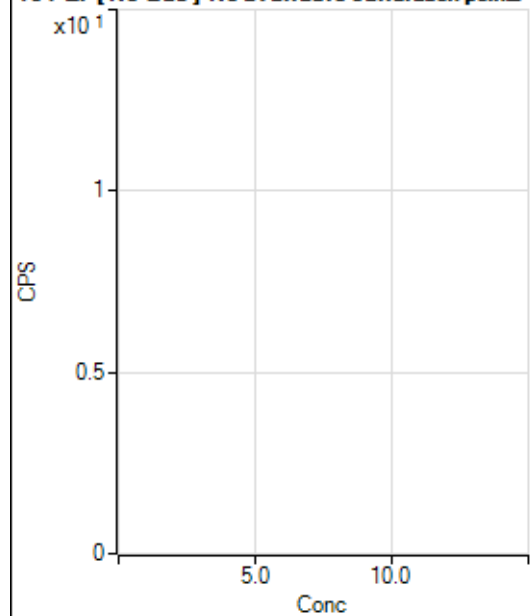
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			7.78		P	65.5
2	☐			4.44		P	43.4
3	☐			6.66		P	86.6
4	☐			4.44		P	114.6
5	☐			23.33		P	NaN
6	☐			53.34		P	39.0
7	☐			98.89		P	21.9
8	☐			187.78		P	16.8
9	☐			704.47		P	2.0

160 Gd [No Gas] Noavailable calibration poin_

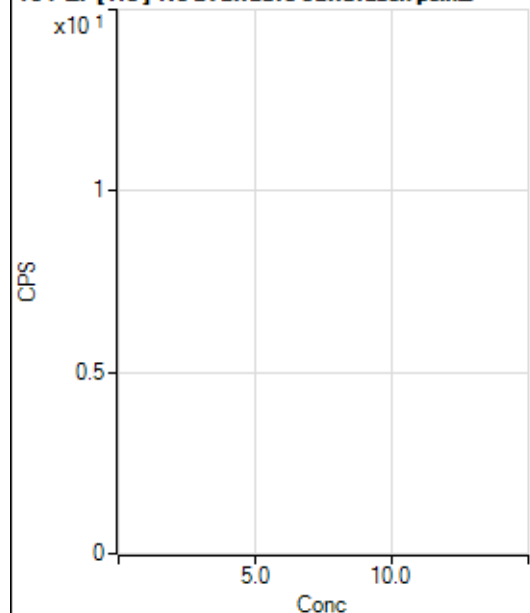
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			113.90		P	23.5
2	☐			141.67		P	23.5
3	☐			136.11		P	24.7
4	☐			158.34		P	13.9
5	☐			183.34		P	9.1
6	☐			233.34		P	25.8
7	☐			347.24		P	14.1
8	☐			561.14		P	6.9
9	☐			1583.47		P	12.0

160 Gd [He] No available calibration points

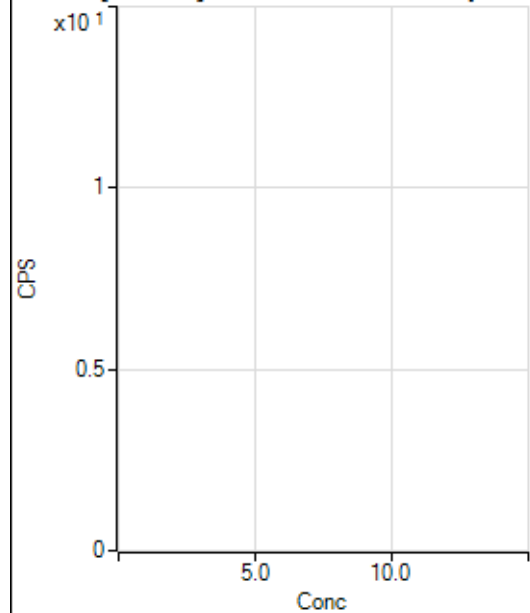
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			48.89		P	7.9
2	☐			43.33		P	15.4
3	☐			40.00		P	22.0
4	☐			51.11		P	16.4
5	☐			76.66		P	41.9
6	☐			106.67		P	19.0
7	☐			148.89		P	17.0
8	☐			266.67		P	2.2
9	☐			838.93		P	2.4

164 Er [No Gas] No available calibration points

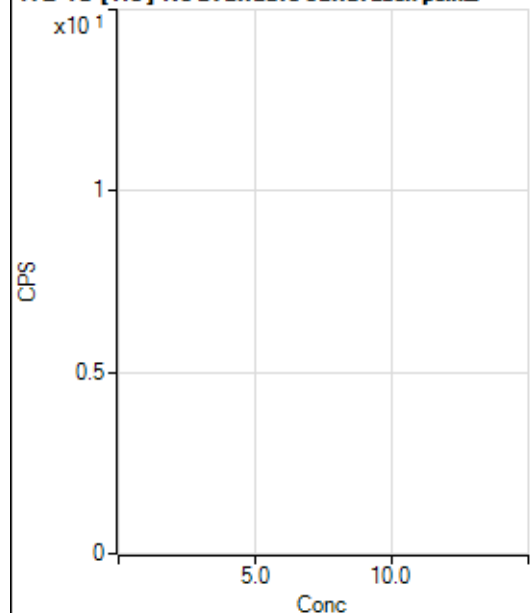
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			113.89		P	18.4
2	☐			116.67		P	32.7
3	☐			152.78		P	39.5
4	☐			125.00		P	13.3
5	☐			150.01		P	11.1
6	☐			183.34		P	16.4
7	☐			236.12		P	20.7
8	☐			208.34		P	21.2
9	☐			319.46		P	5.4

164 Er [He] No available calibration points

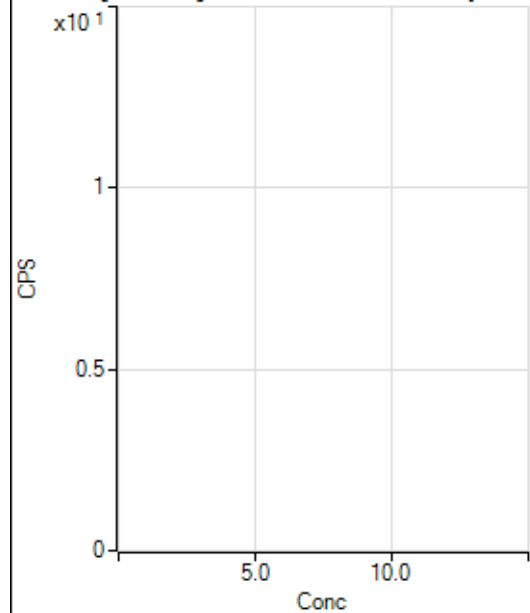
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			42.22		P	24.1
2	☐			51.11		P	43.4
3	☐			66.67		P	32.8
4	☐			56.66		P	36.7
5	☐			50.00		P	23.1
6	☐			61.11		P	6.3
7	☐			85.55		P	19.6
8	☐			88.89		P	11.5
9	☐			137.78		P	2.8

172 Yb [No Gas] No available calibration points

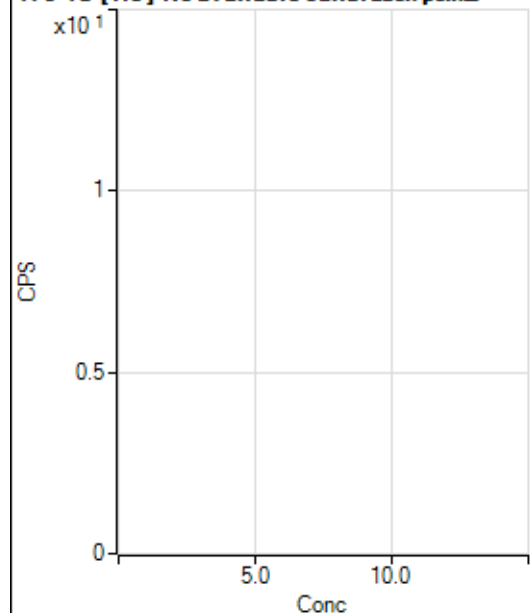
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			58.34		P	37.8
2	☐			61.12		P	34.3
3	☐			44.45		P	10.8
4	☐			47.22		P	10.2
5	☐			75.00		P	55.6
6	☐			66.67		P	45.1
7	☐			72.23		P	13.3
8	☐			94.45		P	22.2
9	☐			105.56		P	73.4

172 Yb [He] No available calibration points

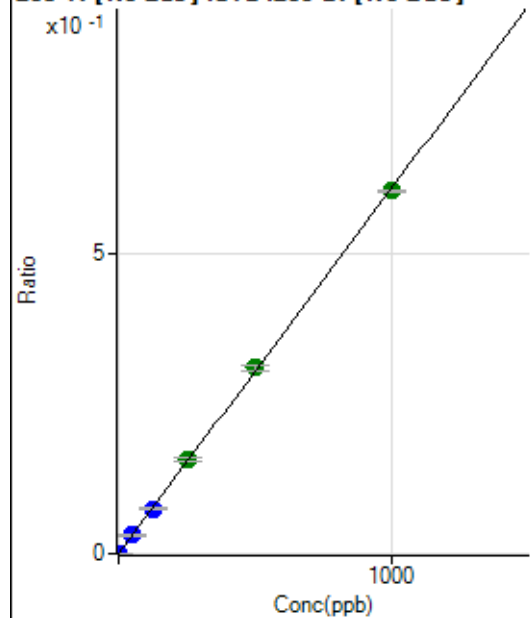
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			20.37		P	56.8
2	☐			22.22		P	0.0
3	☐			18.52		P	17.3
4	☐			29.63		P	28.6
5	☐			22.22		P	25.0
6	☐			20.37		P	63.0
7	☐			27.78		P	20.0
8	☐			38.89		P	42.9
9	☐			53.71		P	21.5

176 Yb [No Gas] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			2300.26		P	9.1
2	☐			2436.41		P	8.2
3	☐			2355.83		P	7.4
4	☐			4147.98		P	1.3
5	☐			6612.95		P	6.0
6	☐			11324.62		P	3.7
7	☐			19094.84		P	0.8
8	☐			36905.10		P	0.3
9	☐			2328.05		P	3.2

176 Yb [He] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			2392.86		P	6.8
2	☐			1616.80		P	6.3
3	☐			1598.28		P	5.8
4	☐			2107.61		P	10.2
5	☐			3209.70		P	1.9
6	☐			4921.38		P	4.5
7	☐			8460.26		P	2.8
8	☐			15550.12		P	3.8
9	☐			1485.30		P	9.5

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	597.26	0.0000	P	20.0
2	☐	0.100	0.093	1369.56	0.0001	P	7.7
3	☐	1.000	0.982	8853.27	0.0006	P	0.7
4	☐	50.000	49.984	417522.67	0.0304	P	0.9
5	☐	125.000	123.363	1048503.10	0.0749	P	3.7
6	☐	250.000	258.727	2148602.24	0.1571	A	4.2
7	☐	500.000	509.253	4174353.22	0.3092	A	3.1
8	☐	1000.000	993.397	8365787.69	0.6031	A	0.6
9	☐			1086.19	0.0001	P	4.2

$$y = 6.0710E-004 * x + 4.4777E-005$$

$$R = 0.9999$$

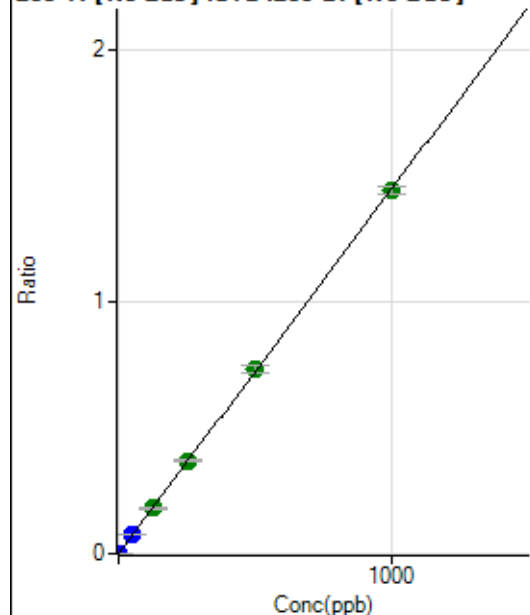
$$DL = 0.04425$$

$$BEC = 0.07376$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	1400.12	0.0001	P	18.3
2	☐	0.100	0.098	3344.98	0.0002	P	10.9
3	☐	1.000	0.973	20867.39	0.0015	P	6.0
4	☐	50.000	50.524	1005113.21	0.0732	P	1.4
5	☐	125.000	126.240	2555386.80	0.1827	A	4.1
6	☐	250.000	255.347	5051648.64	0.3694	A	3.4
7	☐	500.000	506.207	9879582.42	0.7321	A	5.0
8	☐	1000.000	995.378	19963905.48	1.4395	A	2.2
9	☐			2494.76	0.0002	P	6.8

$$y = 0.0014 * x + 1.0506E-004$$

$$R = 1.0000$$

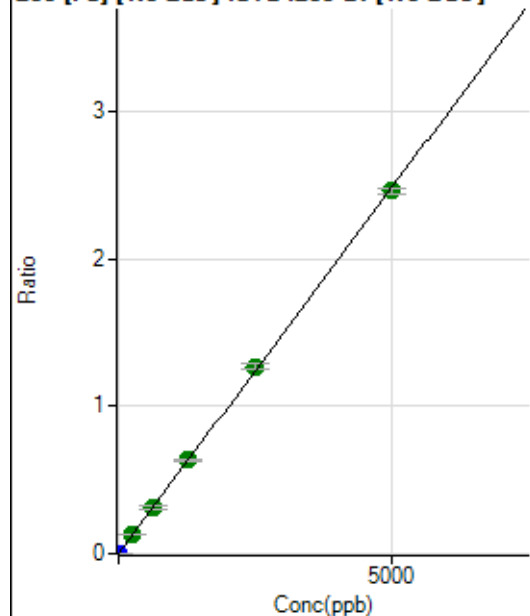
$$DL = 0.03978$$

$$BEC = 0.07265$$

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	629.66	0.0000	P	9.2
2	☐	0.100	0.112	1388.99	0.0001	P	12.2
3	☐	1.000	1.003	7531.95	0.0005	P	2.3
4	☐	250.000	257.358	1755932.00	0.1278	A	1.9
5	☐	625.000	630.681	4380836.47	0.3132	A	4.5
6	☐	1250.000	1281.222	8702555.34	0.6362	A	2.3
7	☐	2500.000	2560.455	17160208.14	1.2713	A	3.8
8	☐	5000.000	4960.889	34161709.56	2.4632	A	1.7
9	☐			14026.32	0.0012	P	5.5

$$y = 4.9651E-004 * x + 4.7194E-005$$

$$R = 0.9999$$

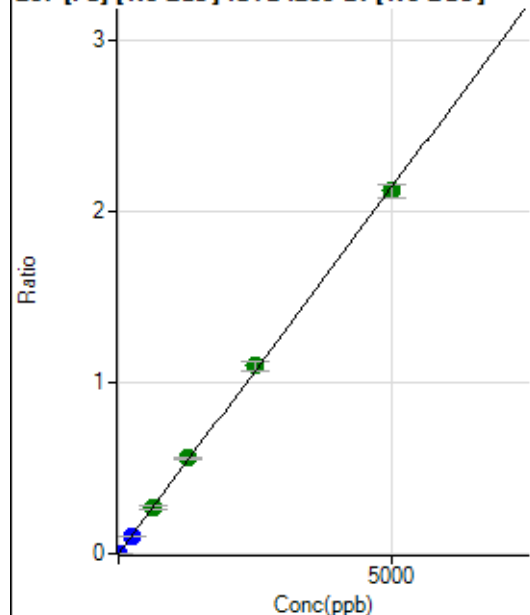
$$DL = 0.02616$$

$$BEC = 0.09505$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	574.10	0.0000	P	8.0
2	☐	0.100	0.126	1314.91	0.0001	P	3.7
3	☐	1.000	0.952	6210.85	0.0004	P	1.6
4	☐	250.000	245.914	1443704.18	0.1051	P	1.4
5	☐	625.000	632.426	3778643.80	0.2702	A	5.7
6	☐	1250.000	1300.792	7602406.36	0.5557	A	2.4
7	☐	2500.000	2566.474	14793511.56	1.0964	A	5.5
8	☐	5000.000	4953.341	29342567.78	2.1161	A	3.5
9	☐			11809.26	0.0010	P	4.9

$$y = 4.2719\text{E-}004 * x + 4.3055\text{E-}005$$

$$R = 0.9998$$

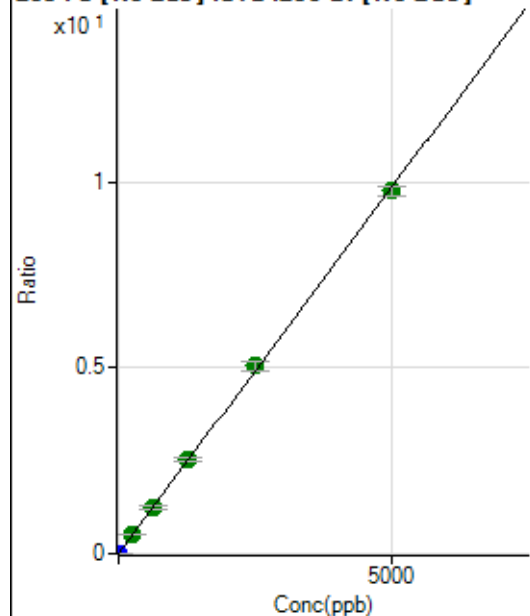
$$DL = 0.02433$$

$$BEC = 0.1008$$

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	2570.52	0.0002	P	4.4
2	☐	0.100	0.114	5645.02	0.0004	P	4.4
3	☐	1.000	0.976	29191.18	0.0021	P	0.9
4	☐	250.000	253.617	6860105.77	0.4994	A	1.6
5	☐	625.000	629.137	17322739.74	1.2385	A	5.0
6	☐	1250.000	1288.869	34701320.45	2.5371	A	2.9
7	☐	2500.000	2567.126	68189738.79	5.0531	A	4.8
8	☐	5000.000	4956.022	135285190.9	9.7552	A	2.4
9	☐			54929.74	0.0047	P	3.3

$$y = 0.0020 * x + 1.9265\text{E-}004$$

$$R = 0.9998$$

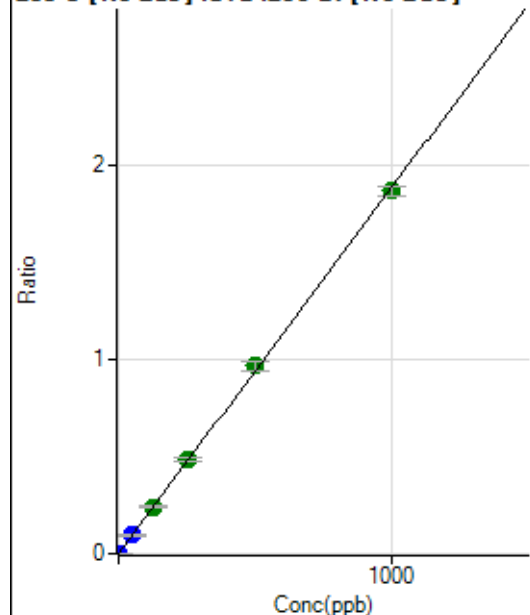
$$DL = 0.01284$$

$$BEC = 0.09788$$

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	41.67	0.0000	P	41.7
2	☐	0.100	0.097	2497.55	0.0002	P	13.4
3	☐	1.000	0.972	25278.57	0.0018	P	4.6
4	☐	50.000	49.926	1289865.54	0.0939	P	0.6
5	☐	125.000	127.325	3349484.45	0.2394	A	4.2
6	☐	250.000	257.698	6627339.47	0.4846	A	3.5
7	☐	500.000	512.512	13005257.49	0.9637	A	4.9
8	☐	1000.000	991.532	25859922.97	1.8645	A	2.6
9	☐			2341.96	0.0002	P	9.7

$$y = 0.0019 * x + 3.1347E-006$$

$$R = 0.9999$$

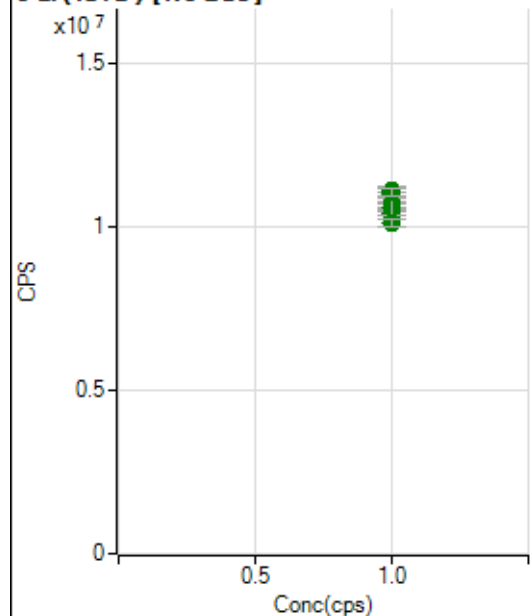
$$DL = 0.002085$$

$$BEC = 0.001667$$

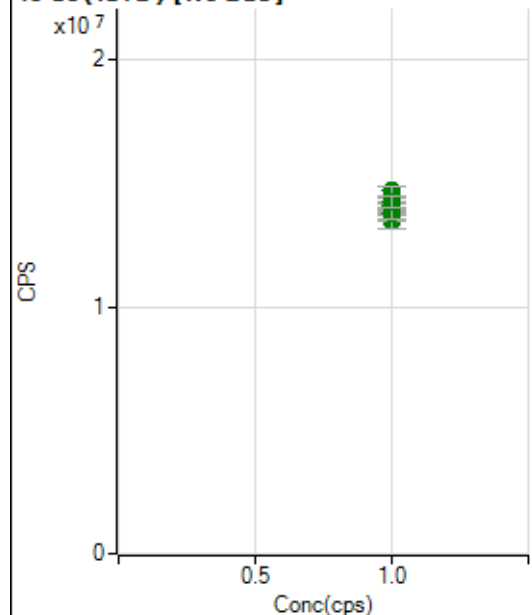
Weight: <None>

Min Conc: 0

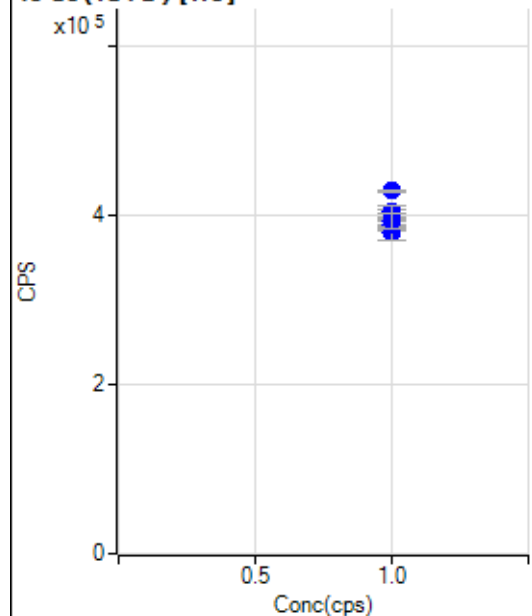
6 Li (ISTD) [No Gas]



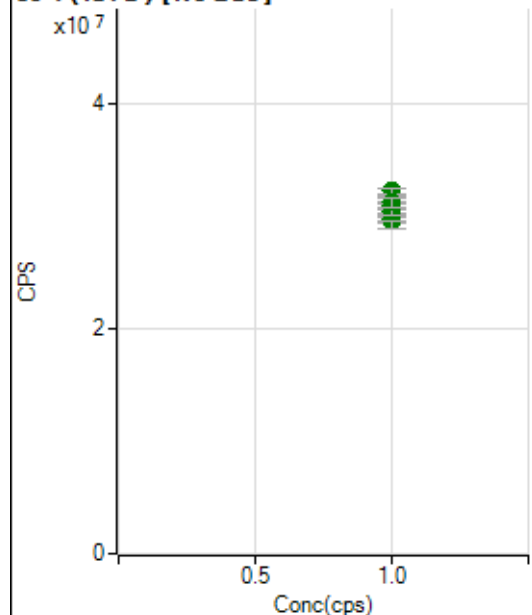
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		10428506.04		A	1.3
2	☐	1.000		10771872.52		A	2.8
3	☐	1.000		10750294.25		A	3.4
4	☐	1.000		11113077.35		A	1.2
5	☐	1.000		10994749.44		A	4.3
6	☐	1.000		10905028.80		A	3.4
7	☐	1.000		10629773.03		A	4.7
8	☐	1.000		11081358.44		A	2.4
9	☐	1.000		10140463.49		A	2.6

45 Sc (ISTD) [No Gas]

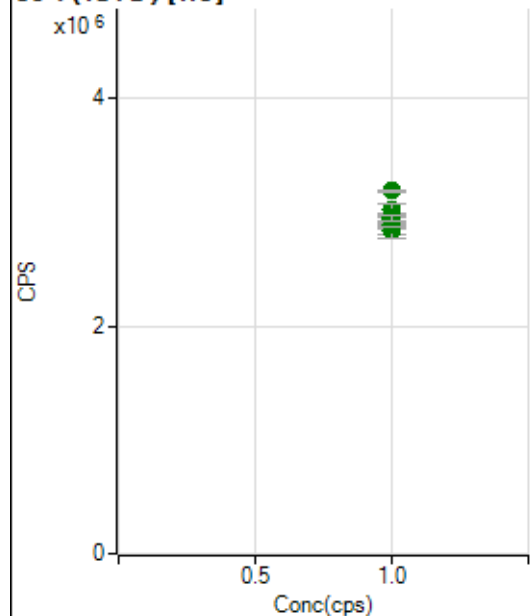
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		13543173.27		A	0.6
2	☐	1.000		13437393.55		A	4.3
3	☐	1.000		13866692.02		A	5.9
4	☐	1.000		13910367.99		A	1.1
5	☐	1.000		14063687.85		A	4.4
6	☐	1.000		14075392.85		A	1.7
7	☐	1.000		13770469.93		A	3.7
8	☐	1.000		14689869.64		A	2.4
9	☐	1.000		14246349.65		A	3.2

45 Sc (ISTD) [He]

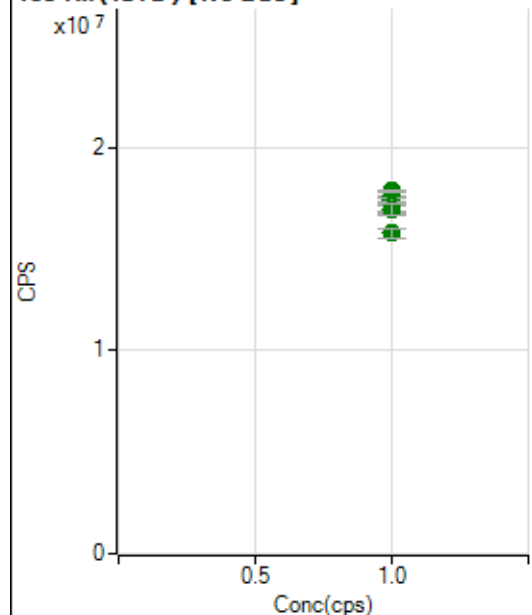
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		383537.39		P	0.2
2	☐	1.000		392742.94		P	2.9
3	☐	1.000		395446.01		P	0.4
4	☐	1.000		380372.42		P	5.1
5	☐	1.000		390051.83		P	1.6
6	☐	1.000		402527.21		P	2.3
7	☐	1.000		405584.07		P	3.5
8	☐	1.000		393514.20		P	4.3
9	☐	1.000		429099.39		P	0.6

89 Y (ISTD) [No Gas]

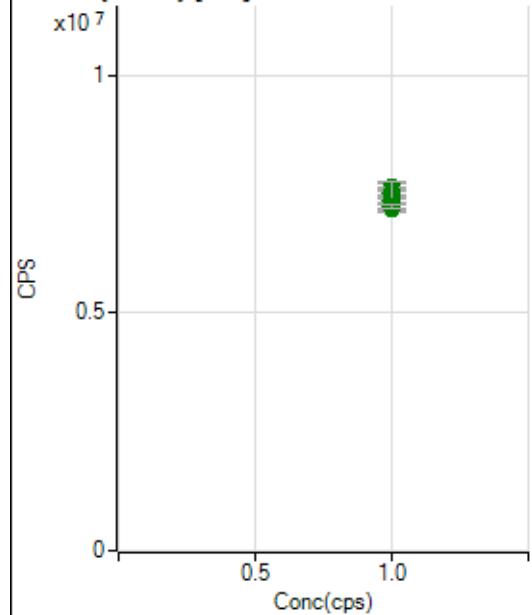
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		29648487.06		A	1.6
2	☐	1.000		29796949.28		A	5.5
3	☐	1.000		30348565.66		A	5.2
4	☐	1.000		30569585.93		A	1.6
5	☐	1.000		31201293.70		A	3.5
6	☐	1.000		30898553.15		A	2.3
7	☐	1.000		30422264.27		A	2.4
8	☐	1.000		32252559.24		A	1.8
9	☐	1.000		31213145.37		A	2.8

89 Y (ISTD) [He]

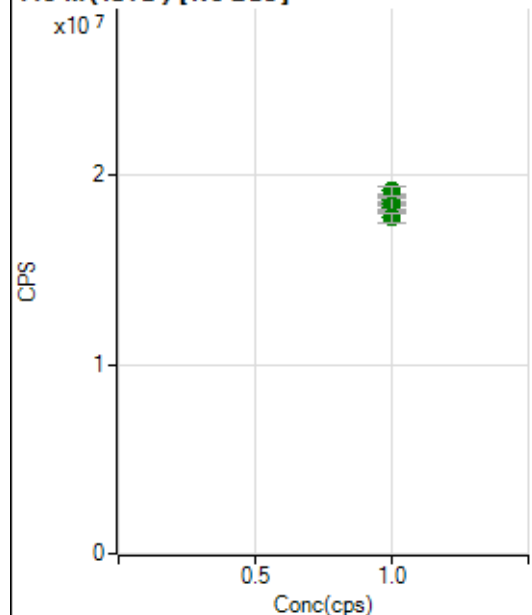
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		2835286.35		A	1.6
2	☐	1.000		2934737.32		A	3.5
3	☐	1.000		2912597.63		A	1.0
4	☐	1.000		2843143.50		A	5.1
5	☐	1.000		2895429.68		A	1.7
6	☐	1.000		2957115.55		A	2.2
7	☐	1.000		3017442.07		A	3.9
8	☐	1.000		2951344.81		A	2.0
9	☐	1.000		3187739.88		A	0.6

103 Rh (ISTD) [No Gas]

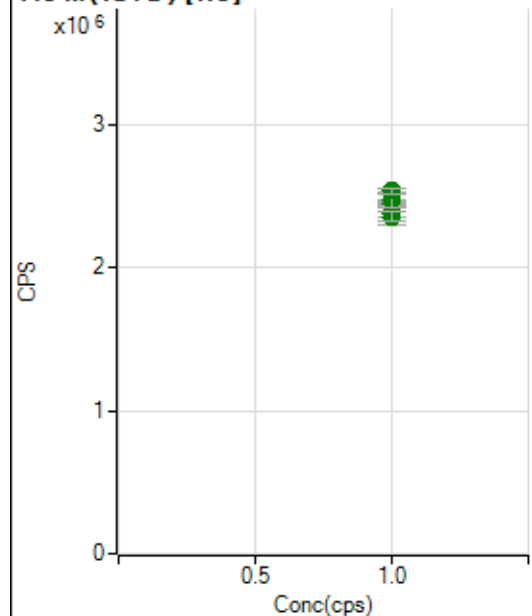
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		16983109.41		A	2.4
2	☐	1.000		17185611.15		A	4.1
3	☐	1.000		17375927.12		A	3.1
4	☐	1.000		17428232.51		A	0.7
5	☐	1.000		17624418.97		A	3.7
6	☐	1.000		17435460.98		A	1.4
7	☐	1.000		16967191.87		A	3.3
8	☐	1.000		17873658.39		A	0.8
9	☐	1.000		15804690.80		A	2.9

103 Rh (ISTD) [He]

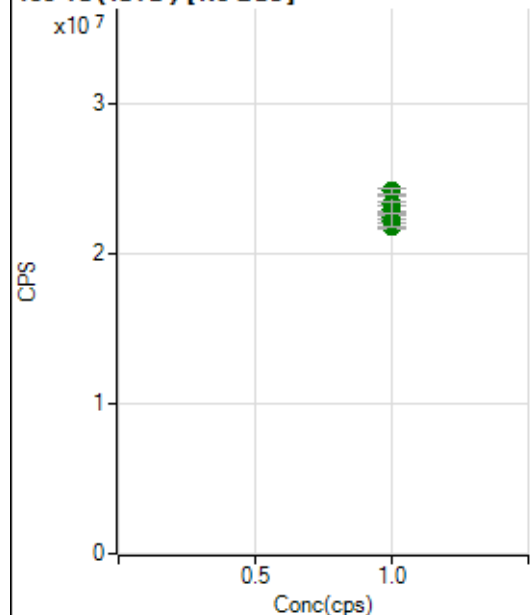
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		7357064.82		A	0.7
2	☐	1.000		7612331.62		A	3.1
3	☐	1.000		7622944.12		A	0.2
4	☐	1.000		7356294.82		A	5.8
5	☐	1.000		7500856.21		A	2.2
6	☐	1.000		7510056.97		A	1.9
7	☐	1.000		7531474.61		A	5.6
8	☐	1.000		7189825.52		A	2.6
9	☐	1.000		7215618.85		A	1.1

115 In (ISTD) [No Gas]

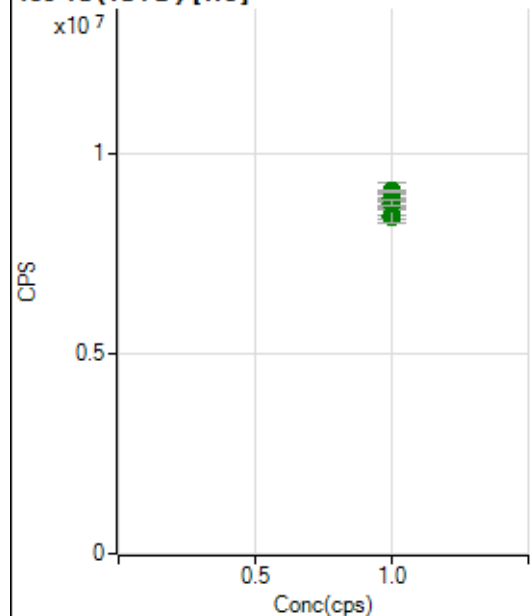
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		18280530.28		A	1.1
2	☐	1.000		18351379.76		A	4.5
3	☐	1.000		18566960.61		A	4.8
4	☐	1.000		18673374.39		A	1.2
5	☐	1.000		18923029.00		A	5.5
6	☐	1.000		18728481.33		A	3.1
7	☐	1.000		18499376.86		A	3.6
8	☐	1.000		19160784.89		A	2.7
9	☐	1.000		17727186.03		A	3.0

115 In (ISTD) [He]

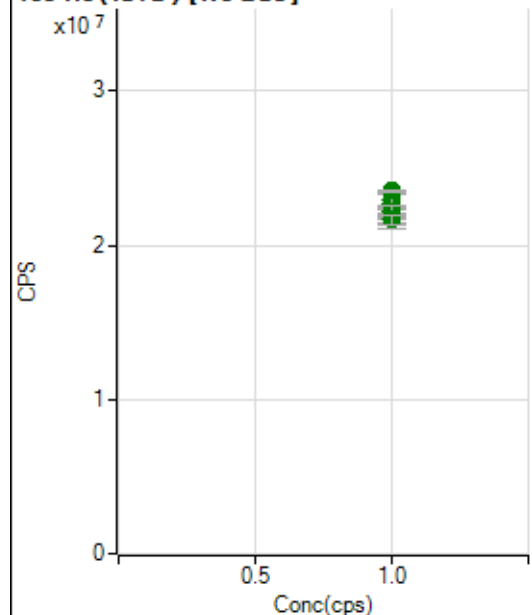
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		2376390.79		A	1.3
2	☐	1.000		2417626.77		A	2.4
3	☐	1.000		2433542.76		A	0.7
4	☐	1.000		2377459.02		A	6.9
5	☐	1.000		2426458.48		A	2.8
6	☐	1.000		2453834.70		A	1.9
7	☐	1.000		2479657.21		A	4.2
8	☐	1.000		2359642.73		A	3.1
9	☐	1.000		2538426.35		A	1.4

159 Tb (ISTD) [No Gas]

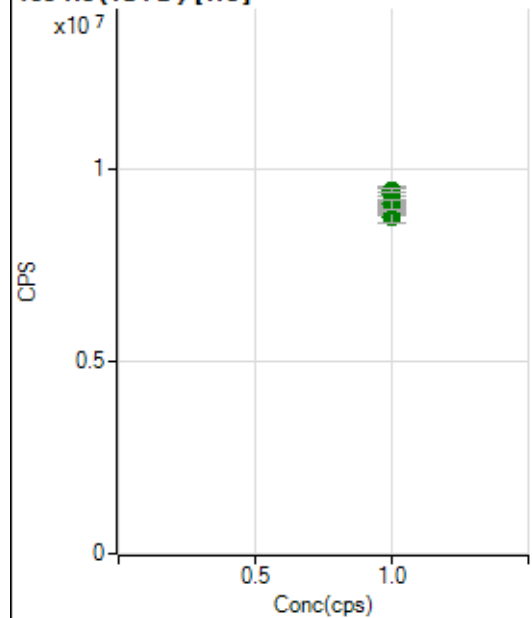
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		21776312.73		A	1.7
2	☐	1.000		22737007.16		A	3.8
3	☐	1.000		22434805.22		A	3.5
4	☐	1.000		22520704.66		A	1.8
5	☐	1.000		23273697.99		A	4.7
6	☐	1.000		22971713.83		A	2.1
7	☐	1.000		22967277.44		A	4.1
8	☐	1.000		24158900.75		A	1.3
9	☐	1.000		22161494.67		A	4.1

159 Tb (ISTD) [He]

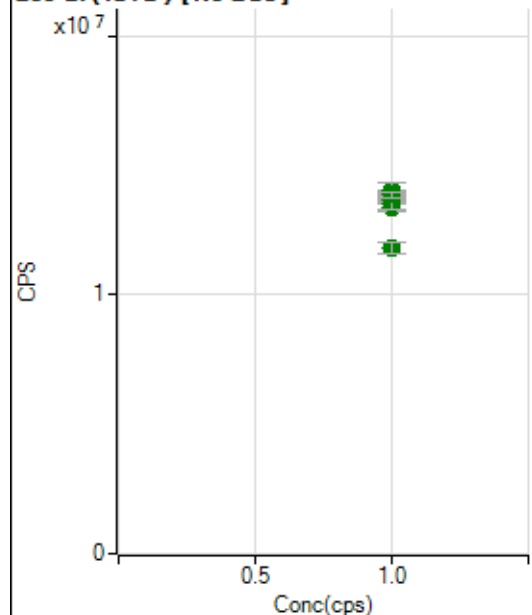
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		8404576.33		A	1.5
2	☐	1.000		8710434.45		A	2.9
3	☐	1.000		8876678.89		A	0.7
4	☐	1.000		8452874.25		A	4.7
5	☐	1.000		8757126.47		A	3.4
6	☐	1.000		8890201.05		A	1.9
7	☐	1.000		9042333.13		A	5.0
8	☐	1.000		8765107.23		A	1.4
9	☐	1.000		9066098.96		A	0.3

165 Ho (ISTD) [No Gas]

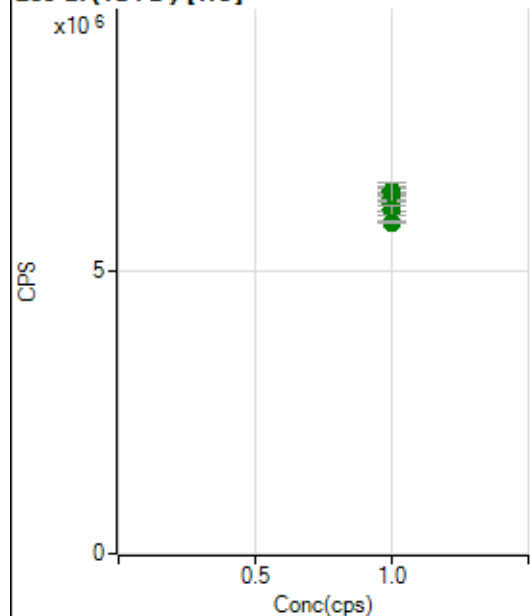
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		21644044.58		A	1.9
2	☐	1.000		21707930.52		A	5.5
3	☐	1.000		22037978.96		A	2.9
4	☐	1.000		22240110.39		A	1.0
5	☐	1.000		22735173.60		A	5.4
6	☐	1.000		22901292.01		A	4.1
7	☐	1.000		22234949.28		A	2.6
8	☐	1.000		23519943.41		A	0.7
9	☐	1.000		21655548.23		A	3.1

165 Ho (ISTD) [He]

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		8825205.14		A	0.5
2	☐	1.000		8941249.87		A	2.7
3	☐	1.000		9017377.51		A	1.0
4	☐	1.000		8744644.25		A	3.7
5	☐	1.000		9015007.09		A	2.4
6	☐	1.000		9152577.50		A	2.7
7	☐	1.000		9343555.34		A	4.5
8	☐	1.000		9067491.05		A	2.8
9	☐	1.000		9412928.61		A	1.2

209 Bi (ISTD) [No Gas]

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		13347757.03		A	2.1
2	☐	1.000		13561555.63		A	5.0
3	☐	1.000		13816222.02		A	3.4
4	☐	1.000		13738258.41		A	0.9
5	☐	1.000		14005928.54		A	4.2
6	☐	1.000		13684510.91		A	2.6
7	☐	1.000		13509312.99		A	3.4
8	☐	1.000		13871376.88		A	1.5
9	☐	1.000		11804488.58		A	3.5

209 Bi (ISTD) [He]

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		6292117.96		A	2.1
2	☐	1.000		6413145.88		A	1.8
3	☐	1.000		6370956.99		A	0.5
4	☐	1.000		6185801.44		A	4.5
5	☐	1.000		6362428.45		A	3.3
6	☐	1.000		6424171.02		A	2.3
7	☐	1.000		6408737.13		A	5.2
8	☐	1.000		6088473.04		A	2.9
9	☐	1.000		5859669.77		A	0.6

US EPA Tune Check Report

Operator Name Jaswal
Acq/Data Batch D:\Agilent\ICPMH\1\DATA\P8091421MS.b
Acq. Date-Time 2021-09-14 15:44:40
Report Comment ---
Instrument Name G8403A SG19224459

[No Gas]

Sensitivity

Mass	Conc. [ug/l]	Count	CPS	Resp (Required) [cps/ug/l]	Resp (Flag)	RSD%	RSD% (Required)
9		27910	279097.15			1.300	5.000
24		179414	1794139.93			0.819	5.000
25		23389	233888.11			1.013	5.000
26		26907	269069.93			1.696	5.000
59		41647	416474.16			1.396	5.000
113		20017	200173.91			0.655	5.000
115		59206	592059.60			0.981	5.000
206		27154	271543.36			1.165	5.000
207		22641	226413.84			0.806	5.000
208		57012	570122.65			1.006	5.000
220		0	3.10			43.279	

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

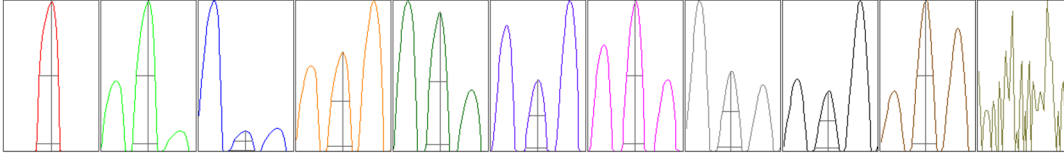
Mass	Rep#1 Count	Rep#2 Count	Rep#3 Count	Rep#4 Count	Rep#5 Count
9	28332	27511	27937	28190	27579
24	180508	177892	178616	181394	178660
25	23626	22992	23400	23457	23469
26	27387	26265	26712	27295	26876
59	42143	40712	41530	42105	41748
113	20061	19805	20162	20049	20010
115	59871	58585	59771	58995	58808
206	27591	26791	27128	26936	27326
207	22813	22355	22744	22573	22722
208	57788	56176	57067	56941	57090

US EPA Tune Check Report

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

Integration Time [sec] 0.1

Resolution/Axis



Mass	Peak Height	Axis	Axis (Required)	Axis (Flag)
9	49878.88	9.05	8.90 - 9.10	
24	321314.83	24.00	23.90 - 24.10	
25	42023.63	25.00	24.90 - 25.10	
26	48845.79	26.00	25.90 - 26.10	
59	80441.31	59.00	58.90 - 59.10	
113	41024.32	113.00	112.90 - 113.10	
115	123383.44	115.00	114.90 - 115.10	
206	54350.74	205.95	205.90 - 206.10	
207	45610.97	206.95	206.90 - 207.10	
208	114076.63	207.95	207.90 - 208.10	
220			-	

Mass	W-50%	W-5%	W-5% (Required)	W-5% (Flag)
9	0.60	0.737	0.900	
24	0.59	0.782	0.900	
25	0.59	0.774	0.900	
26	0.58	0.782	0.900	
59	0.55	0.737	0.900	
113	0.50	0.686	0.900	
115	0.49	0.690	0.900	
206	0.51	0.771	0.900	
207	0.50	0.773	0.900	
208	0.51	0.778	0.900	
220				

Integration Time [sec] 0.1

Acquisition Time [sec] 256.770000000002

Y Axis Linear

Tune Parameters

Plasma Parameters

Plasma Mode --- Nebulizer Gas 0.75 L/min Dilution Gas 0.40 L/min

US EPA Tune Check Report

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

Lens Parameters

Extract 1	-6.0 V	Omega Lens	8.8 V	Deflect	13.6 V
Extract 2	-170.0 V	Cell Entrance	-30 V	Plate Bias	-50 V
Omega Bias	-90 V	Cell Exit	-50 V		

Cell Parameters

Use Gas	No	3rd Gas Flow	---	Energy Discrimination	4.0 V
He Flow	0.0 mL/min	OctP Bias	-8.0 V		
H2 Flow	---	OctP RF	170 V		

QP Parameters

Mass Gain	123	Axis Gain	0.9992	QP Bias	-4.0 V
Mass Offset	125	Axis Offset	-0.01		

Hardware Settings

Torch

Torch H	1.1 mm	Torch V	-0.6 mm

EM

Discriminator	3.8 mV	Analog HV	2238 V	Pulse HV	1516 V

[He]

Sensitivity

Mass	Conc. [ug/l]	Count	CPS	Resp (Required) [cps/ug/l]	Resp (Flag)	RSD%	RSD% (Required)
59		8554	85544.77			2.078	
89		32917	329170.94			1.905	
205		23334	233344.54			2.104	

Mass	RSD% (Flag)
59	
89	
205	

Mass	Rep#1 Count	Rep#2 Count	Rep#3 Count	Rep#4 Count	Rep#5 Count
59	8267	8647	8685	8676	8497
89	31963	33220	33635	33046	32722
205	22684	23785	23646	23622	22936

Integration Time [sec] 0.1

Tune Parameters

Plasma Parameters

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

Lens Parameters

Extract 1	-6.0 V	Omega Lens	8.8 V	Deflect	3.2 V

US EPA Tune Check Report

Extract 2	-170.0 V	Cell Entrance	-50 V	Plate Bias	-60 V
Omega Bias	-90 V	Cell Exit	-70 V		
Cell Parameters					
Use Gas	Yes	3rd Gas Flow	---	Energy Discrimination	5.0 V
He Flow	4.5 mL/min	OctP Bias	-18.0 V		
H2 Flow	---	OctP RF	200 V		
QP Parameters					
Mass Gain	123	Axis Gain	0.9992	QP Bias	-13.0 V
Mass Offset	125	Axis Offset	-0.01		
Hardware Settings					
Torch					
Torch H	1.1 mm	Torch V	-0.6 mm		
EM					
Discriminator	3.8 mV	Analog HV	2238 V	Pulse HV	1516 V

LB Number :	LB116309	Operator :	Jaswal
Lab Sample ID :	TUNE	Instrumnet Name :	P8
Client Sample ID :	TUNE034	Dilution Factor :	1
Date & Time Acquired ::	2021-09-14 15:47:38	DataFile Name :	001SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2						ppb
Antimony	121-1						ppb
Arsenic	75-2						ppb
Barium	135-1						ppb
Barium	137-1						ppb
Beryllium	9-1						ppb
Bismuth	209-1				103		%
Bismuth	209-2				101		%
Boron	10-1						ppb
Boron	11-1						ppb
Bromine	81-1						cps
Cadmium	111-1						ppb
Cadmium	106-1						ppb
Cadmium	108-1						ppb
Calcium	43-1						ppb
Calcium	44-1						ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2						ppb
Cobalt	59-2						ppb
Copper	63-2						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				102		%
Indium	115-1				101		%
Indium	115-2				102		%
Iron	54-2						ppb
Iron	56-2						ppb
Iron	57-2						ppb

LB Number :	LB116309	Operator :	Jaswal
Lab Sample ID :	TUNE	Instrumnet Name :	P8
Client Sample ID :	TUNE034	Dilution Factor :	1
Date & Time Acquired ::	2021-09-14 15:47:38	DataFile Name :	001SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Krypton	83-1						cps
Lead	206-1						ppb
Lead	207-1						ppb
Lead	208-1						ppb
Lithium	6-1				101		%
Magnesium	24-2						ppb
Manganese	55-2						ppb
Molybdenum	94-1						ppb
Molybdenum	95-1						ppb
Molybdenum	96-1						ppb
Molybdenum	97-1						ppb
Molybdenum	98-1						ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2						ppb
Phosphorus	31-2						ppb
Potassium	39-2						ppb
Rhodium	103-1				104		%
Rhodium	103-2				102		%
Scandium	45-1				101		%
Scandium	45-2				100		%
Selenium	82-1						ppb
Selenium	77-2						ppb
Selenium	78-2						ppb
Silicon	28-1						ppb
Silver	107-1						ppb
Silver	109-1						ppb
Sodium	23-2						ppb
Strontium	86-1						ppb
Strontium	88-1						ppb
Sulfur	34-1						ppb
Terbium	159-1				104		%
Terbium	159-2				104		%
Thallium	203-1						ppb
Thallium	205-1						ppb
Tin	118-1						ppb

LB Number :	LB116309	Operator :	Jaswal
Lab Sample ID :	TUNE	Instrumnet Name :	P8
Client Sample ID :	TUNE034	Dilution Factor :	1
Date & Time Acquired ::	2021-09-14 15:47:38	DataFile Name :	001SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Titanium	47-1						ppb
Uranium	238-1						ppb
Vanadium	51-2						ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				103		%
Yttrium	89-2				102		%
Zinc	66-2						ppb
Zirconium	90-1						ppb
Zirconium	91-1						ppb

LB Number :	LB116309	Operator :	Jaswal
Lab Sample ID :	S00	Instrumnet Name :	P8
Client Sample ID :	S0	Dilution Factor :	1
Date & Time Acquired ::	2021-09-14 16:14:48	DataFile Name :	002CALB.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	-0.04	0.03	0.01	0.00	N/A	ppb
Antimony	121-1	0.01	0.00	0.00	0.00	N/A	ppb
Arsenic	75-2	0.01	0.00	-0.02	0.00	N/A	ppb
Barium	135-1	-0.01	0.02	-0.01	0.00	N/A	ppb
Barium	137-1	0.01	-0.01	-0.01	0.00	N/A	ppb
Beryllium	9-1	0.00	-0.01	0.00	0.00	N/A	ppb
Bismuth	209-1				100		%
Bismuth	209-2				100		%
Boron	10-1	-0.02	0.01	0.01	0.00	N/A	ppb
Boron	11-1	0.05	-0.02	-0.03	0.00	N/A	ppb
Bromine	81-1						cps
Cadmium	111-1	-0.01	0.01	0.00	0.00	N/A	ppb
Cadmium	106-1	-0.33	0.56	-0.23	0.00	N/A	ppb
Cadmium	108-1	0.11	-0.10	-0.01	0.00	N/A	ppb
Calcium	43-1	1.16	0.48	-1.63	0.00	N/A	ppb
Calcium	44-1	1.09	-0.77	-0.32	0.00	N/A	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	-0.01	0.01	0.00	0.00	N/A	ppb
Cobalt	59-2	0.00	0.00	0.01	0.00	N/A	ppb
Copper	63-2	-0.01	-0.01	0.01	0.00	N/A	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				100		%
Holmium	165-2				100		%
Indium	115-1				100		%
Indium	115-2				100		%
Iron	54-2	-0.14	-0.62	0.77	0.00	N/A	ppb
Iron	56-2	-0.05	-0.11	0.17	0.00	N/A	ppb
Iron	57-2	0.31	-0.39	0.08	0.00	N/A	ppb

LB Number :	LB116309	Operator :	Jaswal
Lab Sample ID :	S00	Instrumnet Name :	P8
Client Sample ID :	S0	Dilution Factor :	1
Date & Time Acquired ::	2021-09-14 16:14:48	DataFile Name :	002CALB.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Krypton	83-1						cps
Lead	206-1	0.01	-0.01	0.00	0.00	N/A	ppb
Lead	207-1	0.01	0.00	-0.01	0.00	N/A	ppb
Lead	208-1	0.00	0.00	0.00	0.00	N/A	ppb
Lithium	6-1				100		%
Magnesium	24-2	-0.22	0.11	0.11	0.00	N/A	ppb
Manganese	55-2	-0.01	0.00	0.01	0.00	N/A	ppb
Molybdenum	94-1	0.01	-0.02	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	0.00	0.00	0.00	N/A	ppb
Molybdenum	98-1	0.00	0.00	-0.01	0.00	N/A	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	-0.01	0.03	-0.03	0.00	N/A	ppb
Phosphorus	31-2	-5.60	8.70	20.92	8.01	165.78	ppb
Potassium	39-2	0.18	-0.31	0.14	0.00	N/A	ppb
Rhodium	103-1				100		%
Rhodium	103-2				100		%
Scandium	45-1				100		%
Scandium	45-2				100		%
Selenium	82-1	-0.44	0.45	-0.01	0.00	N/A	ppb
Selenium	77-2	0.00	0.00	0.00	0.00	N/A	ppb
Selenium	78-2	-0.04	-0.18	0.22	0.00	N/A	ppb
Silicon	28-1	0.17	0.06	-0.23	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	-0.39	0.11	0.28	0.00	N/A	ppb
Strontium	86-1	0.03	-0.03	0.00	0.00	N/A	ppb
Strontium	88-1	0.01	-0.01	-0.01	0.00	N/A	ppb
Sulfur	34-1	144.59	18.81	-184.30	-6.97		ppb
Terbium	159-1				100		%
Terbium	159-2				100		%
Thallium	203-1	0.00	0.02	-0.01	0.00	N/A	ppb
Thallium	205-1	0.01	-0.01	0.00	0.00	N/A	ppb
Tin	118-1	0.00	0.00	0.00	0.00	N/A	ppb

LB Number :	LB116309	Operator :	Jaswal
Lab Sample ID :	S00	Instrumnet Name :	P8
Client Sample ID :	S0	Dilution Factor :	1
Date & Time Acquired ::	2021-09-14 16:14:48	DataFile Name :	002CALB.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Titanium	47-1	-0.03	0.03	0.00	0.00	N/A	ppb
Uranium	238-1	0.00	0.00	0.00	0.00	N/A	ppb
Vanadium	51-2	0.00	0.00	0.00	0.00	N/A	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				100		%
Yttrium	89-2				100		%
Zinc	66-2	-0.06	0.12	-0.06	0.00	N/A	ppb
Zirconium	90-1	-0.07	0.04	0.03	0.00	N/A	ppb
Zirconium	91-1	-0.19	0.16	0.02	0.00	N/A	ppb

LB Number : LB116309 Operator : Jaswal
 Lab Sample ID : S01 Instrumnet Name : P8
 Client Sample ID : S01 Dilution Factor : 1
 Date & Time Acquired :: 2021-09-14 16:20:57 DataFile Name : 004CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	2.38	2.30	2.62	2.44	6.92	ppb
Antimony	121-1	0.24	0.21	0.22	0.22	5.94	ppb
Arsenic	75-2	0.13	0.07	0.13	0.11	30.31	ppb
Barium	135-1	1.10	0.92	0.99	1.01	8.76	ppb
Barium	137-1	1.15	1.10	1.23	1.16	5.57	ppb
Beryllium	9-1	0.11	0.10	0.10	0.10	8.64	ppb
Bismuth	209-1				102		%
Bismuth	209-2				102		%
Boron	10-1	2.13	2.28	2.41	2.28	6.07	ppb
Boron	11-1	2.47	2.37	2.63	2.49	5.25	ppb
Bromine	81-1						cps
Cadmium	111-1	0.15	0.12	0.12	0.13	12.54	ppb
Cadmium	106-1	1.28	-0.38	1.35	0.75	130.91	ppb
Cadmium	108-1	0.15	0.04	0.04	0.07	83.47	ppb
Calcium	43-1	57.12	51.79	50.10	53.00	6.91	ppb
Calcium	44-1	60.08	51.46	52.72	54.75	8.50	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	0.22	0.19	0.17	0.19	12.11	ppb
Cobalt	59-2	0.10	0.10	0.10	0.10	2.24	ppb
Copper	63-2	Rejected	Rejected	Rejected			ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				100		%
Holmium	165-2				101		%
Indium	115-1				100		%
Indium	115-2				102		%
Iron	54-2	6.72	5.24	6.45	6.14	12.80	ppb
Iron	56-2	5.63	5.25	5.30	5.39	3.85	ppb
Iron	57-2	3.13	4.18	4.28	3.86	16.53	ppb

LB Number :	LB116309	Operator :	Jaswal
Lab Sample ID :	S01	Instrumnet Name :	P8
Client Sample ID :	S01	Dilution Factor :	1
Date & Time Acquired ::	2021-09-14 16:20:57	DataFile Name :	004CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Krypton	83-1						cps
Lead	206-1	0.11	0.09	0.14	0.11	22.51	ppb
Lead	207-1	0.13	0.13	0.12	0.13	6.61	ppb
Lead	208-1	0.12	0.11	0.11	0.11	8.24	ppb
Lithium	6-1				103		%
Magnesium	24-2	56.50	53.84	54.00	54.78	2.72	ppb
Manganese	55-2	0.13	0.12	0.07	0.11	31.80	ppb
Molybdenum	94-1	0.61	0.60	0.55	0.59	5.56	ppb
Molybdenum	95-1	0.58	0.47	0.49	0.51	11.39	ppb
Molybdenum	96-1	0.55	0.46	0.58	0.53	11.15	ppb
Molybdenum	97-1	0.60	0.48	0.50	0.53	11.90	ppb
Molybdenum	98-1	0.60	0.51	0.54	0.55	8.47	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	Rejected	Rejected	Rejected			ppb
Phosphorus	31-2	1.87	-8.78	-7.00	-4.64		ppb
Potassium	39-2	54.83	46.10	42.23	47.72	13.52	ppb
Rhodium	103-1				101		%
Rhodium	103-2				103		%
Scandium	45-1				99		%
Scandium	45-2				102		%
Selenium	82-1	Rejected	Rejected	Rejected			ppb
Selenium	77-2	1.59	1.49	1.51	1.53	3.57	ppb
Selenium	78-2	-0.15	-0.27	0.62	0.06	760.39	ppb
Silicon	28-1	3.56	0.79	0.36	1.57	110.68	ppb
Silver	107-1	0.11	0.09	0.11	0.10	9.10	ppb
Silver	109-1	0.12	0.11	0.11	0.11	5.33	ppb
Sodium	23-2	56.61	51.90	50.78	53.10	5.83	ppb
Strontium	86-1	0.11	0.04	0.16	0.10	57.17	ppb
Strontium	88-1	0.15	0.13	0.11	0.13	17.82	ppb
Sulfur	34-1	829.59	-91.95	87.24	274.96	177.70	ppb
Terbium	159-1				104		%
Terbium	159-2				104		%
Thallium	203-1	0.11	0.09	0.08	0.09	13.78	ppb
Thallium	205-1	0.10	0.08	0.11	0.10	18.89	ppb
Tin	118-1	0.55	0.48	0.56	0.53	8.48	ppb

LB Number :	LB116309	Operator :	Jaswal
Lab Sample ID :	S01	Instrumnet Name :	P8
Client Sample ID :	S01	Dilution Factor :	1
Date & Time Acquired ::	2021-09-14 16:20:57	DataFile Name :	004CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Titanium	47-1	0.53	0.51	0.49	0.51	3.51	ppb
Uranium	238-1	0.11	0.08	0.10	0.10	13.58	ppb
Vanadium	51-2	0.53	0.49	0.49	0.50	4.73	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				101		%
Yttrium	89-2				104		%
Zinc	66-2	Rejected	Rejected	Rejected			ppb
Zirconium	90-1	1.12	1.06	1.12	1.10	3.23	ppb
Zirconium	91-1	0.51	1.11	0.64	0.75	42.10	ppb

LB Number :	LB116309	Operator :	Jaswal
Lab Sample ID :	S02	Instrumnet Name :	P8
Client Sample ID :	S02	Dilution Factor :	1
Date & Time Acquired ::	2021-09-14 16:24:01	DataFile Name :	005CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	21.31	21.02	21.59	21.30	1.35	ppb
Antimony	121-1	1.96	2.07	2.21	2.08	5.85	ppb
Arsenic	75-2	1.00	0.92	0.93	0.95	4.35	ppb
Barium	135-1	9.93	10.32	10.98	10.41	5.10	ppb
Barium	137-1	10.50	10.60	11.07	10.72	2.85	ppb
Beryllium	9-1	1.04	0.97	1.11	1.04	6.41	ppb
Bismuth	209-1				104		%
Bismuth	209-2				101		%
Boron	10-1	21.49	21.94	24.51	22.64	7.19	ppb
Boron	11-1	22.55	23.53	27.07	24.38	9.75	ppb
Bromine	81-1						cps
Cadmium	111-1	1.11	0.98	1.05	1.04	6.31	ppb
Cadmium	106-1	2.30	0.49	3.51	2.10	72.52	ppb
Cadmium	108-1	0.74	1.39	1.08	1.07	30.59	ppb
Calcium	43-1	468.22	473.33	526.66	489.40	6.61	ppb
Calcium	44-1	468.26	474.62	525.59	489.49	6.42	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1.94	1.98	2.06	1.99	3.04	ppb
Cobalt	59-2	0.99	1.01	1.03	1.01	1.98	ppb
Copper	63-2	1.71	1.81	1.67	1.73	4.27	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				102		%
Holmium	165-2				102		%
Indium	115-1				102		%
Indium	115-2				102		%
Iron	54-2	53.30	53.93	54.11	53.78	0.79	ppb
Iron	56-2	53.01	52.75	52.14	52.63	0.85	ppb
Iron	57-2	46.90	53.54	50.24	50.23	6.60	ppb

LB Number :	LB116309	Operator :	Jaswal
Lab Sample ID :	S02	Instrumnet Name :	P8
Client Sample ID :	S02	Dilution Factor :	1
Date & Time Acquired ::	2021-09-14 16:24:01	DataFile Name :	005CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Krypton	83-1						cps
Lead	206-1	0.98	1.02	1.01	1.00	2.49	ppb
Lead	207-1	0.93	0.96	0.97	0.95	1.72	ppb
Lead	208-1	0.96	0.98	0.98	0.98	1.00	ppb
Lithium	6-1				103		%
Magnesium	24-2	522.70	518.40	520.37	520.49	0.41	ppb
Manganese	55-2	0.98	0.98	1.04	1.00	3.19	ppb
Molybdenum	94-1	4.78	5.12	5.53	5.14	7.35	ppb
Molybdenum	95-1	4.94	5.25	5.44	5.21	4.86	ppb
Molybdenum	96-1	4.80	5.07	5.41	5.09	6.07	ppb
Molybdenum	97-1	5.18	5.29	5.43	5.30	2.32	ppb
Molybdenum	98-1	5.16	5.32	5.47	5.32	2.98	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.71	0.74	0.72	0.73	2.19	ppb
Phosphorus	31-2	-6.61	5.26	-8.77	-3.37		ppb
Potassium	39-2	480.33	471.70	482.35	478.13	1.18	ppb
Rhodium	103-1				102		%
Rhodium	103-2				104		%
Scandium	45-1				102		%
Scandium	45-2				103		%
Selenium	82-1	5.71	5.93	6.33	5.99	5.28	ppb
Selenium	77-2	2.29	8.57	7.71	6.19	54.99	ppb
Selenium	78-2	4.42	5.51	4.55	4.82	12.31	ppb
Silicon	28-1	11.61	12.38	17.98	13.99	24.84	ppb
Silver	107-1	1.02	1.02	1.02	1.02	0.21	ppb
Silver	109-1	1.01	1.00	1.02	1.01	1.27	ppb
Sodium	23-2	510.41	520.95	514.46	515.28	1.03	ppb
Strontium	86-1	1.08	1.16	1.24	1.16	6.89	ppb
Strontium	88-1	1.10	1.13	1.15	1.13	2.60	ppb
Sulfur	34-1	-734.76	-609.58	540.37	-267.99		ppb
Terbium	159-1				103		%
Terbium	159-2				106		%
Thallium	203-1	0.98	0.98	0.99	0.98	0.77	ppb
Thallium	205-1	0.90	1.02	0.99	0.97	6.47	ppb
Tin	118-1	5.03	4.96	5.29	5.09	3.48	ppb

LB Number :	LB116309	Operator :	Jaswal
Lab Sample ID :	S02	Instrumnet Name :	P8
Client Sample ID :	S02	Dilution Factor :	1
Date & Time Acquired ::	2021-09-14 16:24:01	DataFile Name :	005CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Titanium	47-1	4.91	5.25	5.27	5.14	3.87	ppb
Uranium	238-1	0.94	0.95	1.02	0.97	4.56	ppb
Vanadium	51-2	4.92	4.89	4.79	4.87	1.37	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				102		%
Yttrium	89-2				103		%
Zinc	66-2	2.54	2.23	2.11	2.30	9.65	ppb
Zirconium	90-1	9.25	9.76	10.08	9.70	4.34	ppb
Zirconium	91-1	8.51	9.82	9.02	9.11	7.30	ppb

LB Number :	LB116309	Operator :	Jaswal
Lab Sample ID :	S03	Instrumnet Name :	P8
Client Sample ID :	S03	Dilution Factor :	1
Date & Time Acquired ::	2021-09-14 16:27:07	DataFile Name :	006CAL.S.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	1060.27	1149.15	1055.27	1088.23	4.85	ppb
Antimony	121-1	52.60	55.23	53.02	53.61	2.64	ppb
Arsenic	75-2	51.52	55.18	51.01	52.57	4.32	ppb
Barium	135-1	260.32	266.63	264.73	263.89	1.23	ppb
Barium	137-1	260.80	267.66	265.01	264.49	1.31	ppb
Beryllium	9-1	50.11	51.33	49.82	50.42	1.59	ppb
Bismuth	209-1				103		%
Bismuth	209-2				98		%
Boron	10-1	45.49	48.03	49.23	47.59	4.01	ppb
Boron	11-1	46.67	51.56	52.68	50.30	6.35	ppb
Bromine	81-1						cps
Cadmium	111-1	53.49	56.05	54.68	54.74	2.34	ppb
Cadmium	106-1	55.81	56.29	57.89	56.66	1.92	ppb
Cadmium	108-1	52.93	56.23	54.03	54.40	3.09	ppb
Calcium	43-1	5203.77	5138.89	5110.88	5151.18	0.92	ppb
Calcium	44-1	5206.40	5145.99	5166.65	5173.01	0.59	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	49.33	54.67	50.68	51.56	5.39	ppb
Cobalt	59-2	50.42	54.85	51.49	52.25	4.42	ppb
Copper	63-2	526.95	578.23	553.07	552.75	4.64	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				103		%
Holmium	165-2				99		%
Indium	115-1				102		%
Indium	115-2				100		%
Iron	54-2	2686.58	2927.64	2691.06	2768.43	4.98	ppb
Iron	56-2	2723.80	3032.78	2718.38	2824.99	6.37	ppb
Iron	57-2	2620.44	2906.11	2647.28	2724.61	5.79	ppb

LB Number :	LB116309	Operator :	Jaswal
Lab Sample ID :	S03	Instrumnet Name :	P8
Client Sample ID :	S03	Dilution Factor :	1
Date & Time Acquired ::	2021-09-14 16:27:07	DataFile Name :	006CAL.S.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Krypton	83-1						cps
Lead	206-1	262.56	253.10	256.41	257.36	1.86	ppb
Lead	207-1	249.68	245.20	242.86	245.91	1.41	ppb
Lead	208-1	258.21	252.54	250.11	253.62	1.64	ppb
Lithium	6-1				107		%
Magnesium	24-2	5633.91	6227.06	5776.85	5879.27	5.27	ppb
Manganese	55-2	507.62	560.36	506.63	524.87	5.86	ppb
Molybdenum	94-1	260.95	253.80	259.55	258.10	1.47	ppb
Molybdenum	95-1	260.07	250.23	254.10	254.80	1.95	ppb
Molybdenum	96-1	260.15	247.62	256.70	254.82	2.54	ppb
Molybdenum	97-1	264.11	256.94	257.40	259.48	1.55	ppb
Molybdenum	98-1	259.56	251.40	253.56	254.84	1.66	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	52.42	57.21	51.36	53.66	5.81	ppb
Phosphorus	31-2	1001.66	1148.87	1081.01	1077.18	6.84	ppb
Potassium	39-2	2578.05	2824.90	2520.22	2641.05	6.13	ppb
Rhodium	103-1				103		%
Rhodium	103-2				100		%
Scandium	45-1				103		%
Scandium	45-2				99		%
Selenium	82-1	53.39	53.61	53.90	53.63	0.48	ppb
Selenium	77-2	60.02	61.13	44.71	55.29	16.59	ppb
Selenium	78-2	50.61	56.58	47.48	51.56	8.97	ppb
Silicon	28-1	75.86	77.25	81.85	78.32	4.00	ppb
Silver	107-1	53.33	55.32	54.52	54.39	1.85	ppb
Silver	109-1	54.40	56.57	55.52	55.50	1.96	ppb
Sodium	23-2	5414.71	5963.58	5533.35	5637.21	5.12	ppb
Strontium	86-1	517.48	508.41	514.09	513.33	0.89	ppb
Strontium	88-1	515.62	508.97	513.26	512.62	0.66	ppb
Sulfur	34-1	1196.07	1073.79	796.04	1021.97	20.06	ppb
Terbium	159-1				103		%
Terbium	159-2				101		%
Thallium	203-1	49.47	50.28	50.20	49.98	0.90	ppb
Thallium	205-1	51.28	49.83	50.46	50.52	1.44	ppb
Tin	118-1	53.32	54.42	52.83	53.52	1.52	ppb

LB Number :	LB116309	Operator :	Jaswal
Lab Sample ID :	S03	Instrumnet Name :	P8
Client Sample ID :	S03	Dilution Factor :	1
Date & Time Acquired ::	2021-09-14 16:27:07	DataFile Name :	006CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Titanium	47-1	259.91	259.47	253.13	257.50	1.47	ppb
Uranium	238-1	49.58	49.98	50.22	49.93	0.65	ppb
Vanadium	51-2	49.50	54.17	49.40	51.02	5.35	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				103		%
Yttrium	89-2				100		%
Zinc	66-2	516.52	572.08	529.27	539.29	5.40	ppb
Zirconium	90-1	517.80	508.21	511.38	512.46	0.95	ppb
Zirconium	91-1	517.51	498.70	506.10	507.44	1.87	ppb

LB Number :	LB116309	Operator :	Jaswal
Lab Sample ID :	S04	Instrumnet Name :	P8
Client Sample ID :	S04	Dilution Factor :	1
Date & Time Acquired ::	2021-09-14 16:30:10	DataFile Name :	007CAL.S.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	2618.19	2677.99	2575.99	2624.06	1.95	ppb
Antimony	121-1	138.97	128.63	127.82	131.81	4.71	ppb
Arsenic	75-2	131.90	130.08	125.64	129.21	2.49	ppb
Barium	135-1	684.94	626.35	619.09	643.46	5.61	ppb
Barium	137-1	680.52	632.60	624.52	645.88	4.69	ppb
Beryllium	9-1	130.05	125.51	120.40	125.32	3.85	ppb
Bismuth	209-1				105		%
Bismuth	209-2				101		%
Boron	10-1	120.12	121.78	120.40	120.77	0.73	ppb
Boron	11-1	127.18	131.35	127.47	128.67	1.81	ppb
Bromine	81-1						cps
Cadmium	111-1	139.75	129.87	131.00	133.54	4.05	ppb
Cadmium	106-1	139.33	128.21	133.04	133.52	4.17	ppb
Cadmium	108-1	134.51	129.32	129.06	130.96	2.35	ppb
Calcium	43-1	13491.96	12695.22	12510.76	12899.31	4.04	ppb
Calcium	44-1	13374.54	12622.66	12190.54	12729.25	4.71	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	124.97	127.88	122.72	125.19	2.06	ppb
Cobalt	59-2	125.29	131.21	123.84	126.78	3.08	ppb
Copper	63-2	1299.93	1348.65	1291.86	1313.48	2.34	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				105		%
Holmium	165-2				102		%
Indium	115-1				104		%
Indium	115-2				102		%
Iron	54-2	6558.66	6827.94	6562.19	6649.60	2.32	ppb
Iron	56-2	6666.53	7033.73	6655.25	6785.17	3.17	ppb
Iron	57-2	6588.16	6624.37	6490.17	6567.56	1.06	ppb

LB Number :	LB116309	Operator :	Jaswal
Lab Sample ID :	S04	Instrumnet Name :	P8
Client Sample ID :	S04	Dilution Factor :	1
Date & Time Acquired ::	2021-09-14 16:30:10	DataFile Name :	007CAL.S.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Krypton	83-1						cps
Lead	206-1	663.42	618.49	610.13	630.68	4.54	ppb
Lead	207-1	673.59	607.09	616.60	632.43	5.69	ppb
Lead	208-1	665.44	608.57	613.40	629.14	5.01	ppb
Lithium	6-1				105		%
Magnesium	24-2	13714.35	13966.37	13297.71	13659.48	2.47	ppb
Manganese	55-2	1267.62	1331.73	1273.02	1290.79	2.75	ppb
Molybdenum	94-1	651.10	632.97	627.38	637.15	1.95	ppb
Molybdenum	95-1	654.14	631.64	610.47	632.08	3.45	ppb
Molybdenum	96-1	651.84	623.31	624.20	633.12	2.56	ppb
Molybdenum	97-1	665.42	639.69	632.75	645.95	2.66	ppb
Molybdenum	98-1	660.26	626.66	615.50	634.14	3.67	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	129.22	132.65	126.44	129.44	2.40	ppb
Phosphorus	31-2	2542.49	2582.95	2571.21	2565.55	0.81	ppb
Potassium	39-2	6399.61	6435.21	6311.79	6382.20	1.00	ppb
Rhodium	103-1				104		%
Rhodium	103-2				102		%
Scandium	45-1				104		%
Scandium	45-2				102		%
Selenium	82-1	138.80	129.03	128.56	132.13	4.37	ppb
Selenium	77-2	158.06	117.01	129.50	134.86	15.60	ppb
Selenium	78-2	133.80	131.35	130.17	131.77	1.41	ppb
Silicon	28-1	143.94	131.82	139.65	138.47	4.44	ppb
Silver	107-1	137.92	131.17	130.75	133.28	3.02	ppb
Silver	109-1	140.61	130.46	130.58	133.88	4.35	ppb
Sodium	23-2	13333.70	13585.80	12794.93	13238.14	3.05	ppb
Strontium	86-1	1353.05	1230.95	1284.67	1289.56	4.75	ppb
Strontium	88-1	1350.33	1232.41	1234.86	1272.53	5.30	ppb
Sulfur	34-1	3597.25	2424.81	2414.63	2812.23	24.18	ppb
Terbium	159-1				107		%
Terbium	159-2				104		%
Thallium	203-1	128.42	122.06	119.60	123.36	3.69	ppb
Thallium	205-1	132.11	124.10	122.51	126.24	4.07	ppb
Tin	118-1	136.04	128.29	127.21	130.51	3.69	ppb

LB Number :	LB116309	Operator :	Jaswal
Lab Sample ID :	S04	Instrumnet Name :	P8
Client Sample ID :	S04	Dilution Factor :	1
Date & Time Acquired ::	2021-09-14 16:30:10	DataFile Name :	007CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Titanium	47-1	683.97	633.17	636.18	651.10	4.38	ppb
Uranium	238-1	133.52	124.12	124.34	127.32	4.21	ppb
Vanadium	51-2	124.25	126.26	120.38	123.63	2.42	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				105		%
Yttrium	89-2				102		%
Zinc	66-2	1302.13	1323.10	1273.73	1299.65	1.91	ppb
Zirconium	90-1	1323.81	1283.86	1243.39	1283.69	3.13	ppb
Zirconium	91-1	1288.40	1226.25	1233.22	1249.29	2.73	ppb

LB Number :	LB116309	Operator :	Jaswal
Lab Sample ID :	S05	Instrumnet Name :	P8
Client Sample ID :	S05	Dilution Factor :	1
Date & Time Acquired ::	2021-09-14 16:33:16	DataFile Name :	008CAL.S.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	5335.15	5066.97	5057.23	5153.12	3.06	ppb
Antimony	121-1	263.22	265.74	275.69	268.22	2.46	ppb
Arsenic	75-2	260.76	247.44	256.70	254.97	2.68	ppb
Barium	135-1	1312.97	1305.01	1348.15	1322.04	1.74	ppb
Barium	137-1	1284.20	1290.16	1343.24	1305.87	2.49	ppb
Beryllium	9-1	252.44	243.93	262.73	253.04	3.72	ppb
Bismuth	209-1				103		%
Bismuth	209-2				102		%
Boron	10-1	236.31	238.18	272.76	249.08	8.24	ppb
Boron	11-1	250.13	255.41	286.83	264.12	7.51	ppb
Bromine	81-1						cps
Cadmium	111-1	260.59	266.84	278.89	268.77	3.46	ppb
Cadmium	106-1	258.73	260.28	263.94	260.99	1.03	ppb
Cadmium	108-1	266.77	268.40	272.61	269.26	1.12	ppb
Calcium	43-1	25428.03	25485.39	26742.08	25885.17	2.87	ppb
Calcium	44-1	25479.26	25353.49	26774.13	25868.96	3.04	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	252.01	240.98	240.24	244.41	2.70	ppb
Cobalt	59-2	253.69	244.33	244.19	247.40	2.20	ppb
Copper	63-2	2631.69	2511.52	2521.73	2554.98	2.61	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				106		%
Holmium	165-2				104		%
Indium	115-1				102		%
Indium	115-2				103		%
Iron	54-2	14008.16	13617.80	13083.53	13569.83	3.42	ppb
Iron	56-2	13602.16	13224.16	13069.00	13298.44	2.06	ppb
Iron	57-2	13464.94	12551.33	12560.16	12858.81	4.08	ppb

LB Number :	LB116309	Operator :	Jaswal
Lab Sample ID :	S05	Instrumnet Name :	P8
Client Sample ID :	S05	Dilution Factor :	1
Date & Time Acquired ::	2021-09-14 16:33:16	DataFile Name :	008CAL.S.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Krypton	83-1						cps
Lead	206-1	1262.22	1266.42	1315.03	1281.22	2.29	ppb
Lead	207-1	1264.45	1319.14	1318.78	1300.79	2.42	ppb
Lead	208-1	1256.47	1279.79	1330.35	1288.87	2.93	ppb
Lithium	6-1				105		%
Magnesium	24-2	28138.87	25508.13	26768.79	26805.26	4.91	ppb
Manganese	55-2	2623.24	2505.21	2488.40	2538.95	2.89	ppb
Molybdenum	94-1	1286.82	1247.37	1307.14	1280.44	2.37	ppb
Molybdenum	95-1	1308.54	1260.38	1318.58	1295.83	2.40	ppb
Molybdenum	96-1	1293.04	1266.19	1337.86	1299.03	2.79	ppb
Molybdenum	97-1	1271.53	1257.96	1310.28	1279.93	2.12	ppb
Molybdenum	98-1	1270.57	1274.60	1330.36	1291.85	2.59	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	261.41	249.03	249.13	253.19	2.81	ppb
Phosphorus	31-2	5164.99	4833.30	5102.77	5033.69	3.50	ppb
Potassium	39-2	12950.45	12767.65	12521.41	12746.51	1.69	ppb
Rhodium	103-1				103		%
Rhodium	103-2				102		%
Scandium	45-1				104		%
Scandium	45-2				105		%
Selenium	82-1	264.68	260.16	271.64	265.49	2.18	ppb
Selenium	77-2	258.13	268.33	258.14	261.54	2.25	ppb
Selenium	78-2	265.59	239.46	257.24	254.10	5.25	ppb
Silicon	28-1	262.98	270.03	295.73	276.25	6.24	ppb
Silver	107-1	270.17	270.08	273.38	271.21	0.69	ppb
Silver	109-1	260.37	271.99	283.38	271.92	4.23	ppb
Sodium	23-2	26939.05	25295.42	25932.54	26055.67	3.18	ppb
Strontium	86-1	2594.67	2532.30	2659.40	2595.46	2.45	ppb
Strontium	88-1	2592.38	2512.79	2662.87	2589.35	2.90	ppb
Sulfur	34-1	5641.13	5468.59	6219.97	5776.57	6.81	ppb
Terbium	159-1				105		%
Terbium	159-2				106		%
Thallium	203-1	252.04	252.92	271.22	258.73	4.19	ppb
Thallium	205-1	248.97	251.98	265.09	255.35	3.36	ppb
Tin	118-1	255.45	270.32	272.30	266.03	3.46	ppb

LB Number :	LB116309	Operator :	Jaswal
Lab Sample ID :	S05	Instrumnet Name :	P8
Client Sample ID :	S05	Dilution Factor :	1
Date & Time Acquired ::	2021-09-14 16:33:16	DataFile Name :	008CAL.S.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Titanium	47-1	1270.17	1289.74	1342.78	1300.89	2.89	ppb
Uranium	238-1	248.57	257.69	266.83	257.70	3.54	ppb
Vanadium	51-2	250.74	240.44	238.04	243.08	2.78	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				104		%
Yttrium	89-2				104		%
Zinc	66-2	2616.63	2471.77	2508.10	2532.17	2.98	ppb
Zirconium	90-1	2607.83	2530.03	2673.86	2603.90	2.76	ppb
Zirconium	91-1	2541.10	2485.27	2612.27	2546.22	2.50	ppb

LB Number :	LB116309	Operator :	Jaswal
Lab Sample ID :	S06	Instrumnet Name :	P8
Client Sample ID :	S06	Dilution Factor :	1
Date & Time Acquired ::	2021-09-14 16:36:19	DataFile Name :	009CAL.S.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	9826.41	10412.12	9946.92	10061.82	3.07	ppb
Antimony	121-1	507.86	551.09	507.01	521.99	4.83	ppb
Arsenic	75-2	469.11	507.90	494.97	490.66	4.03	ppb
Barium	135-1	2520.88	2735.08	2508.65	2588.20	4.92	ppb
Barium	137-1	2494.56	2685.27	2512.04	2563.96	4.11	ppb
Beryllium	9-1	497.90	548.21	533.27	526.46	4.91	ppb
Bismuth	209-1				101		%
Bismuth	209-2				102		%
Boron	10-1	455.32	530.28	541.04	508.88	9.18	ppb
Boron	11-1	482.45	547.09	537.72	522.42	6.69	ppb
Bromine	81-1						cps
Cadmium	111-1	510.27	557.80	501.47	523.18	5.79	ppb
Cadmium	106-1	507.00	538.35	497.77	514.37	4.14	ppb
Cadmium	108-1	506.94	549.34	505.53	520.60	4.78	ppb
Calcium	43-1	51738.08	56205.83	53875.49	53939.80	4.14	ppb
Calcium	44-1	49206.34	54261.44	50956.01	51474.59	4.99	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	464.82	490.37	478.12	477.77	2.67	ppb
Cobalt	59-2	488.89	513.49	483.39	495.26	3.24	ppb
Copper	63-2	4721.32	5081.68	4963.78	4922.26	3.73	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				103		%
Holmium	165-2				106		%
Indium	115-1				101		%
Indium	115-2				104		%
Iron	54-2	25900.26	27639.07	26631.35	26723.56	3.27	ppb
Iron	56-2	24644.55	26698.83	26095.25	25812.88	4.09	ppb
Iron	57-2	24342.31	25888.83	24946.16	25059.10	3.11	ppb

LB Number :	LB116309	Operator :	Jaswal
Lab Sample ID :	S06	Instrumnet Name :	P8
Client Sample ID :	S06	Dilution Factor :	1
Date & Time Acquired ::	2021-09-14 16:36:19	DataFile Name :	009CAL.S.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Krypton	83-1						cps
Lead	206-1	2472.24	2663.79	2545.34	2560.46	3.78	ppb
Lead	207-1	2433.42	2715.16	2550.85	2566.47	5.51	ppb
Lead	208-1	2455.57	2700.06	2545.75	2567.13	4.82	ppb
Lithium	6-1				102		%
Magnesium	24-2	50514.47	53540.38	51270.54	51775.13	3.04	ppb
Manganese	55-2	4786.77	5175.80	4942.98	4968.51	3.94	ppb
Molybdenum	94-1	2546.77	2680.39	2538.19	2588.45	3.08	ppb
Molybdenum	95-1	2580.54	2671.92	2560.21	2604.22	2.28	ppb
Molybdenum	96-1	2568.71	2678.20	2509.29	2585.40	3.31	ppb
Molybdenum	97-1	2561.24	2626.27	2533.69	2573.73	1.85	ppb
Molybdenum	98-1	2589.29	2661.69	2544.77	2598.59	2.27	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	467.78	509.92	489.08	488.93	4.31	ppb
Phosphorus	31-2	9451.65	9979.37	9795.48	9742.16	2.75	ppb
Potassium	39-2	23821.07	25726.88	24303.20	24617.05	4.03	ppb
Rhodium	103-1				100		%
Rhodium	103-2				102		%
Scandium	45-1				102		%
Scandium	45-2				106		%
Selenium	82-1	515.58	536.85	515.52	522.65	2.35	ppb
Selenium	77-2	462.18	502.11	478.00	480.76	4.18	ppb
Selenium	78-2	471.16	512.21	497.29	493.55	4.21	ppb
Silicon	28-1	495.20	568.51	550.57	538.09	7.10	ppb
Silver	107-1	516.39	550.98	514.28	527.22	3.91	ppb
Silver	109-1	509.35	537.03	514.74	520.37	2.82	ppb
Sodium	23-2	49079.49	52348.34	50349.69	50592.51	3.26	ppb
Strontium	86-1	5064.53	5321.10	5119.17	5168.27	2.61	ppb
Strontium	88-1	5061.51	5403.78	5195.99	5220.43	3.30	ppb
Sulfur	34-1	9335.96	11008.85	10172.29	10172.37	8.22	ppb
Terbium	159-1				105		%
Terbium	159-2				108		%
Thallium	203-1	498.63	527.09	502.05	509.25	3.05	ppb
Thallium	205-1	480.90	531.90	505.82	506.21	5.04	ppb
Tin	118-1	518.30	561.40	509.02	529.57	5.28	ppb

LB Number :	LB116309	Operator :	Jaswal
Lab Sample ID :	S06	Instrumnet Name :	P8
Client Sample ID :	S06	Dilution Factor :	1
Date & Time Acquired ::	2021-09-14 16:36:19	DataFile Name :	009CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Titanium	47-1	2513.69	2744.10	2563.86	2607.22	4.65	ppb
Uranium	238-1	496.11	541.50	499.94	512.51	4.91	ppb
Vanadium	51-2	458.90	497.12	476.48	477.50	4.01	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				103		%
Yttrium	89-2				106		%
Zinc	66-2	4801.07	5099.03	4926.05	4942.05	3.03	ppb
Zirconium	90-1	5080.95	5324.52	5162.74	5189.40	2.39	ppb
Zirconium	91-1	5137.64	5336.54	5181.39	5218.52	2.00	ppb

LB Number :	LB116309	Operator :	Jaswal
Lab Sample ID :	S07	Instrumnet Name :	P8
Client Sample ID :	S07	Dilution Factor :	1
Date & Time Acquired ::	2021-09-14 16:39:25	DataFile Name :	010CAL.S.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	20619.16	22004.42	22068.97	21564.18	3.80	ppb
Antimony	121-1	970.94	989.27	990.05	983.42	1.10	ppb
Arsenic	75-2	977.96	1021.85	1008.50	1002.77	2.24	ppb
Barium	135-1	4930.09	4923.85	4950.71	4934.88	0.28	ppb
Barium	137-1	4969.85	5013.31	4868.99	4950.72	1.50	ppb
Beryllium	9-1	971.47	995.35	991.03	985.95	1.29	ppb
Bismuth	209-1				104		%
Bismuth	209-2				97		%
Boron	10-1	934.81	1027.78	1026.91	996.50	5.36	ppb
Boron	11-1	910.57	1008.51	1035.32	984.80	6.67	ppb
Bromine	81-1						cps
Cadmium	111-1	988.19	999.41	959.63	982.41	2.09	ppb
Cadmium	106-1	991.62	1009.11	965.27	988.67	2.23	ppb
Cadmium	108-1	990.29	975.11	986.36	983.92	0.80	ppb
Calcium	43-1	102434.62	99167.52	98641.27	100081.13	2.05	ppb
Calcium	44-1	97592.66	97821.45	96293.16	97235.76	0.85	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	979.02	1048.17	1010.04	1012.41	3.42	ppb
Cobalt	59-2	952.94	1026.48	1028.63	1002.68	4.30	ppb
Copper	63-2	9557.09	10373.26	10113.30	10014.55	4.16	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				109		%
Holmium	165-2				103		%
Indium	115-1				105		%
Indium	115-2				99		%
Iron	54-2	51929.72	56788.83	53011.34	53909.96	4.73	ppb
Iron	56-2	50025.60	55564.03	54061.54	53217.06	5.38	ppb
Iron	57-2	51012.44	55983.90	55947.52	54314.62	5.27	ppb

LB Number :	LB116309	Operator :	Jaswal
Lab Sample ID :	S07	Instrumnet Name :	P8
Client Sample ID :	S07	Dilution Factor :	1
Date & Time Acquired ::	2021-09-14 16:39:25	DataFile Name :	010CAL.S.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Krypton	83-1						cps
Lead	206-1	5053.97	4937.14	4891.56	4960.89	1.69	ppb
Lead	207-1	5153.58	4878.22	4828.22	4953.34	3.54	ppb
Lead	208-1	5089.10	4923.90	4855.07	4956.02	2.43	ppb
Lithium	6-1				106		%
Magnesium	24-2	103800.79	110978.49	108590.68	107789.98	3.39	ppb
Manganese	55-2	9491.75	10367.30	10139.95	9999.66	4.54	ppb
Molybdenum	94-1	4962.89	5036.40	4839.43	4946.24	2.01	ppb
Molybdenum	95-1	4998.87	4984.42	4822.62	4935.30	1.98	ppb
Molybdenum	96-1	4980.57	5048.03	4802.76	4943.79	2.56	ppb
Molybdenum	97-1	5032.03	5015.05	4810.60	4952.56	2.49	ppb
Molybdenum	98-1	5046.93	4966.90	4802.75	4938.86	2.52	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	951.47	1037.31	1023.22	1004.00	4.59	ppb
Phosphorus	31-2	19434.55	20295.61	20595.17	20108.44	3.00	ppb
Potassium	39-2	49206.65	53786.10	51054.69	51349.15	4.49	ppb
Rhodium	103-1				105		%
Rhodium	103-2				98		%
Scandium	45-1				108		%
Scandium	45-2				103		%
Selenium	82-1	985.25	994.76	971.16	983.72	1.21	ppb
Selenium	77-2	963.26	1066.32	986.11	1005.23	5.38	ppb
Selenium	78-2	968.53	1024.71	1010.59	1001.28	2.92	ppb
Silicon	28-1	964.87	991.80	957.09	971.25	1.88	ppb
Silver	107-1	974.08	978.78	986.63	979.83	0.65	ppb
Silver	109-1	1006.36	983.95	958.53	982.95	2.43	ppb
Sodium	23-2	101390.79	109154.56	106222.36	105589.24	3.71	ppb
Strontium	86-1	9891.23	9932.89	9835.06	9886.39	0.50	ppb
Strontium	88-1	9894.25	9994.78	9702.98	9864.00	1.50	ppb
Sulfur	34-1	20094.31	19972.19	18972.14	19679.55	3.13	ppb
Terbium	159-1				111		%
Terbium	159-2				104		%
Thallium	203-1	999.65	992.31	988.23	993.40	0.58	ppb
Thallium	205-1	1020.36	984.34	981.44	995.38	2.18	ppb
Tin	118-1	986.51	967.69	986.83	980.34	1.12	ppb

LB Number :	LB116309	Operator :	Jaswal
Lab Sample ID :	S07	Instrumnet Name :	P8
Client Sample ID :	S07	Dilution Factor :	1
Date & Time Acquired ::	2021-09-14 16:39:25	DataFile Name :	010CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Titanium	47-1	5036.41	5017.94	4735.73	4930.03	3.42	ppb
Uranium	238-1	1015.43	965.00	994.17	991.53	2.55	ppb
Vanadium	51-2	980.53	1064.20	994.58	1013.10	4.42	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				109		%
Yttrium	89-2				104		%
Zinc	66-2	9606.10	10529.38	9902.81	10012.76	4.71	ppb
Zirconium	90-1	9814.23	10052.33	9756.90	9874.49	1.59	ppb
Zirconium	91-1	9952.44	9963.30	9720.97	9878.90	1.39	ppb

LB Number :	LB116309	Operator :	Jaswal
Lab Sample ID :	S08	Instrumnet Name :	P8
Client Sample ID :	S08	Dilution Factor :	1
Date & Time Acquired ::	2021-09-14 16:45:36	DataFile Name :	012CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	99835.53	98442.57	100729.92	99669.34	1.16	ppb
Antimony	121-1	0.40	0.49	0.50	0.46	12.25	ppb
Arsenic	75-2	0.23	0.26	0.25	0.25	5.55	ppb
Barium	135-1	1.76	2.07	1.88	1.91	8.27	ppb
Barium	137-1	1.93	2.13	2.03	2.03	4.93	ppb
Beryllium	9-1	0.03	0.05	0.03	0.04	20.87	ppb
Bismuth	209-1				88		%
Bismuth	209-2				93		%
Boron	10-1	43.46	42.53	38.35	41.45	6.56	ppb
Boron	11-1	45.99	45.94	40.78	44.24	6.77	ppb
Bromine	81-1						cps
Cadmium	111-1	0.14	0.17	0.17	0.16	10.29	ppb
Cadmium	106-1	1.55	2.41	0.70	1.56	54.98	ppb
Cadmium	108-1	0.64	0.82	0.40	0.62	33.83	ppb
Calcium	43-1	489542.02	522845.23	486214.91	499534.05	4.06	ppb
Calcium	44-1	494138.38	521796.49	485128.60	500354.49	3.82	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1.75	1.66	1.76	1.73	3.19	ppb
Cobalt	59-2	2.09	2.13	2.15	2.12	1.52	ppb
Copper	63-2	1.33	1.37	1.41	1.37	2.84	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				100		%
Holmium	165-2				107		%
Indium	115-1				97		%
Indium	115-2				107		%
Iron	54-2	251963.44	242702.24	252272.77	248979.48	2.18	ppb
Iron	56-2	249402.23	249214.50	249039.52	249218.75	0.07	ppb
Iron	57-2	248597.16	247839.52	250872.44	249103.04	0.63	ppb

LB Number :	LB116309	Operator :	Jaswal
Lab Sample ID :	S08	Instrumnet Name :	P8
Client Sample ID :	S08	Dilution Factor :	1
Date & Time Acquired ::	2021-09-14 16:45:36	DataFile Name :	012CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Krypton	83-1						cps
Lead	206-1	2.22	2.45	2.23	2.30	5.71	ppb
Lead	207-1	2.15	2.37	2.22	2.24	5.07	ppb
Lead	208-1	2.21	2.36	2.24	2.27	3.45	ppb
Lithium	6-1				97		%
Magnesium	24-2	503336.16	488849.89	502223.22	498136.43	1.62	ppb
Manganese	55-2	7.12	7.06	7.06	7.08	0.47	ppb
Molybdenum	94-1	0.91	1.07	0.91	0.96	9.38	ppb
Molybdenum	95-1	0.96	1.10	0.91	0.99	9.79	ppb
Molybdenum	96-1	1.44	1.45	1.43	1.44	0.68	ppb
Molybdenum	97-1	0.81	0.88	0.72	0.80	9.64	ppb
Molybdenum	98-1	0.74	0.79	0.78	0.77	3.79	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	1.95	2.07	2.04	2.02	3.08	ppb
Phosphorus	31-2	10.70	8.25	-4.23	4.91	163.22	ppb
Potassium	39-2	249684.31	248231.67	251338.42	249751.47	0.62	ppb
Rhodium	103-1				93		%
Rhodium	103-2				98		%
Scandium	45-1				105		%
Scandium	45-2				112		%
Selenium	82-1	0.80	0.27	0.74	0.60	48.19	ppb
Selenium	77-2	0.00	0.00	0.70	0.23	173.21	ppb
Selenium	78-2	0.52	0.31	-0.43	0.13	378.45	ppb
Silicon	28-1	39.98	49.57	48.12	45.89	11.26	ppb
Silver	107-1	0.20	0.24	0.20	0.22	11.24	ppb
Silver	109-1	0.19	0.24	0.20	0.21	13.39	ppb
Sodium	23-2	496029.02	495124.41	505082.40	498745.28	1.10	ppb
Strontium	86-1	3.72	3.97	3.42	3.70	7.45	ppb
Strontium	88-1	3.77	3.95	3.67	3.80	3.80	ppb
Sulfur	34-1	-1602.25	-1068.80	-1803.03	-1491.36		ppb
Terbium	159-1				102		%
Terbium	159-2				108		%
Thallium	203-1	0.08	0.07	0.08	0.08	8.21	ppb
Thallium	205-1	0.07	0.09	0.07	0.07	13.54	ppb
Tin	118-1	0.27	0.30	0.27	0.28	6.80	ppb

LB Number :	LB116309	Operator :	Jaswal
Lab Sample ID :	S08	Instrumnet Name :	P8
Client Sample ID :	S08	Dilution Factor :	1
Date & Time Acquired ::	2021-09-14 16:45:36	DataFile Name :	012CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Titanium	47-1	1.46	1.60	1.51	1.53	4.78	ppb
Uranium	238-1	0.09	0.11	0.11	0.10	9.86	ppb
Vanadium	51-2	0.11	0.09	0.10	0.10	7.98	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				105		%
Yttrium	89-2				112		%
Zinc	66-2	13.36	13.91	13.53	13.60	2.10	ppb
Zirconium	90-1	2.23	2.35	2.38	2.32	3.44	ppb
Zirconium	91-1	2.11	2.41	1.86	2.13	12.92	ppb

LB Number :	LB116309	Operator :	Jaswal
Lab Sample ID :	ICV034	Instrumnet Name :	P8
Client Sample ID :	ICV034	Dilution Factor :	1
Date & Time Acquired ::	2021-09-14 17:10:39	DataFile Name :	014ICV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	486.52	492.29	495.18	491.33	0.90	ppb
Antimony	121-1	201.85	202.81	203.61	202.75	0.43	ppb
Arsenic	75-2	195.52	198.12	202.87	198.84	1.87	ppb
Barium	135-1	104.01	102.09	98.50	101.53	2.76	ppb
Barium	137-1	104.11	103.78	103.24	103.71	0.43	ppb
Beryllium	9-1	97.78	99.08	97.63	98.16	0.81	ppb
Bismuth	209-1				105		%
Bismuth	209-2				103		%
Boron	10-1	6.42	6.67	6.36	6.49	2.57	ppb
Boron	11-1	6.66	6.72	6.88	6.76	1.67	ppb
Bromine	81-1						cps
Cadmium	111-1	108.60	106.52	105.72	106.95	1.39	ppb
Cadmium	106-1	88.59	82.74	84.31	85.21	3.55	ppb
Cadmium	108-1	108.79	113.61	109.20	110.53	2.42	ppb
Calcium	43-1	1877.85	1856.68	1804.26	1846.27	2.05	ppb
Calcium	44-1	1864.39	1855.43	1807.87	1842.56	1.65	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	93.04	94.53	95.22	94.26	1.18	ppb
Cobalt	59-2	95.45	94.85	97.77	96.02	1.61	ppb
Copper	63-2	96.26	96.66	97.90	96.94	0.88	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				104		%
Holmium	165-2				103		%
Indium	115-1				104		%
Indium	115-2				104		%
Iron	54-2	1991.16	2024.20	2043.76	2019.71	1.32	ppb
Iron	56-2	2030.83	2024.09	2012.95	2022.62	0.45	ppb
Iron	57-2	1942.47	1918.57	1988.71	1949.92	1.83	ppb

LB Number :	LB116309	Operator :	Jaswal
Lab Sample ID :	ICV034	Instrumnet Name :	P8
Client Sample ID :	ICV034	Dilution Factor :	1
Date & Time Acquired ::	2021-09-14 17:10:39	DataFile Name :	014ICV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Krypton	83-1						cps
Lead	206-1	206.99	200.76	197.38	201.71	2.42	ppb
Lead	207-1	202.80	195.81	197.36	198.65	1.85	ppb
Lead	208-1	208.64	204.60	201.98	205.07	1.64	ppb
Lithium	6-1				106		%
Magnesium	24-2	1155.83	1163.67	1172.37	1163.96	0.71	ppb
Manganese	55-2	93.08	94.07	95.49	94.22	1.29	ppb
Molybdenum	94-1	1705.47	1636.32	1681.54	1674.44	2.10	ppb
Molybdenum	95-1	2439.25	2412.81	2467.59	2439.88	1.12	ppb
Molybdenum	96-1	2350.87	2334.78	2346.50	2344.05	0.36	ppb
Molybdenum	97-1	2475.07	2405.95	2466.98	2449.33	1.54	ppb
Molybdenum	98-1	2480.23	2439.63	2434.29	2451.39	1.02	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	98.32	101.42	103.05	100.93	2.38	ppb
Phosphorus	31-2	6.42	2.17	-2.01	2.19	192.24	ppb
Potassium	39-2	1857.48	1863.08	1886.14	1868.90	0.81	ppb
Rhodium	103-1				107		%
Rhodium	103-2				104		%
Scandium	45-1				105		%
Scandium	45-2				105		%
Selenium	82-1	207.07	206.49	208.42	207.33	0.48	ppb
Selenium	77-2	204.15	207.01	202.65	204.60	1.08	ppb
Selenium	78-2	199.55	199.11	210.39	203.02	3.15	ppb
Silicon	28-1	28.07	34.60	40.16	34.28	17.66	ppb
Silver	107-1	51.63	50.77	50.49	50.96	1.16	ppb
Silver	109-1	51.53	51.12	50.77	51.14	0.74	ppb
Sodium	23-2	1950.42	1929.71	1974.26	1951.46	1.14	ppb
Strontium	86-1	0.28	2.17	0.32	0.93	116.93	ppb
Strontium	88-1	0.29	2.19	0.32	0.93	116.92	ppb
Sulfur	34-1	-406.76	-209.20	-558.02	-391.33		ppb
Terbium	159-1				106		%
Terbium	159-2				104		%
Thallium	203-1	217.90	218.39	202.95	213.08	4.12	ppb
Thallium	205-1	215.74	211.16	202.95	209.95	3.09	ppb
Tin	118-1	0.06	0.17	0.05	0.10	66.49	ppb

LB Number :	LB116309	Operator :	Jaswal
Lab Sample ID :	ICV034	Instrumnet Name :	P8
Client Sample ID :	ICV034	Dilution Factor :	1
Date & Time Acquired ::	2021-09-14 17:10:39	DataFile Name :	014ICV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Titanium	47-1	2531.77	2484.73	2479.16	2498.55	1.16	ppb
Uranium	238-1	0.00	0.04	0.00	0.01	161.60	ppb
Vanadium	51-2	87.46	91.33	91.24	90.01	2.45	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				107		%
Yttrium	89-2				105		%
Zinc	66-2	204.45	205.49	209.70	206.55	1.35	ppb
Zirconium	90-1	0.46	1.57	0.37	0.80	83.39	ppb
Zirconium	91-1	0.77	2.70	1.19	1.55	65.24	ppb

LB Number : LB116309 Operator : Jaswal
 Lab Sample ID : ICB034 Instrumnet Name : P8
 Client Sample ID : ICB034 Dilution Factor : 1
 Date & Time Acquired :: 2021-09-14 17:17:20 DataFile Name : 015CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	0.68	0.97	0.45	0.70	36.69	ppb
Antimony	121-1	0.03	0.05	0.05	0.04	18.09	ppb
Arsenic	75-2	-0.03	-0.01	-0.01	-0.02		ppb
Barium	135-1	0.03	0.02	-0.03	0.00	871.06	ppb
Barium	137-1	0.03	0.02	0.03	0.03	16.23	ppb
Beryllium	9-1	0.01	0.00	0.00	0.00	57.33	ppb
Bismuth	209-1				104		%
Bismuth	209-2				104		%
Boron	10-1	4.20	4.14	4.11	4.15	1.14	ppb
Boron	11-1	4.33	4.32	4.04	4.23	3.85	ppb
Bromine	81-1						cps
Cadmium	111-1	0.01	0.00	0.00	0.00	97.21	ppb
Cadmium	106-1	2.05	1.54	1.70	1.76	14.76	ppb
Cadmium	108-1	-0.12	-0.17	-0.05	-0.11		ppb
Calcium	43-1	-0.35	-0.32	1.10	0.14	588.28	ppb
Calcium	44-1	0.85	0.46	1.07	0.79	39.42	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	0.00	0.02	-0.01	0.00	960.03	ppb
Cobalt	59-2	0.00	0.00	0.00	0.00		ppb
Copper	63-2	-0.14	-0.15	-0.14	-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				104		%
Holmium	165-2				103		%
Indium	115-1				104		%
Indium	115-2				110		%
Iron	54-2	0.45	-0.33	0.01	0.04	866.28	ppb
Iron	56-2	-0.15	-0.09	-0.08	-0.11		ppb
Iron	57-2	-0.83	-0.83	-0.80	-0.82		ppb

LB Number :	LB116309	Operator :	Jaswal
Lab Sample ID :	ICB034	Instrumnet Name :	P8
Client Sample ID :	ICB034	Dilution Factor :	1
Date & Time Acquired ::	2021-09-14 17:17:20	DataFile Name :	015CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Krypton	83-1						cps
Lead	206-1	0.05	0.04	0.03	0.04	24.63	ppb
Lead	207-1	0.03	0.04	0.05	0.04	24.28	ppb
Lead	208-1	0.04	0.03	0.04	0.04	13.76	ppb
Lithium	6-1				106		%
Magnesium	24-2	0.04	-0.38	0.47	0.04	952.90	ppb
Manganese	55-2	0.05	0.03	-0.01	0.02	128.94	ppb
Molybdenum	94-1	0.04	0.03	0.03	0.03	15.35	ppb
Molybdenum	95-1	0.07	0.02	0.02	0.04	78.38	ppb
Molybdenum	96-1	0.05	0.03	0.03	0.03	34.56	ppb
Molybdenum	97-1	0.06	0.04	0.00	0.03	89.73	ppb
Molybdenum	98-1	0.05	0.05	0.04	0.04	17.65	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	-0.31	-0.32	-0.34	-0.32		ppb
Phosphorus	31-2	-5.56	3.48	-7.21	-3.10		ppb
Potassium	39-2	0.71	-0.57	2.25	0.80	176.43	ppb
Rhodium	103-1				106		%
Rhodium	103-2				108		%
Scandium	45-1				107		%
Scandium	45-2				107		%
Selenium	82-1	0.38	0.06	-0.06	0.13	173.61	ppb
Selenium	77-2	0.00	0.00	0.73	0.24	173.21	ppb
Selenium	78-2	-0.05	0.05	-0.62	-0.21		ppb
Silicon	28-1	0.93	0.78	3.66	1.79	90.62	ppb
Silver	107-1	0.01	0.01	0.01	0.01	37.27	ppb
Silver	109-1	0.02	0.01	0.01	0.01	18.63	ppb
Sodium	23-2	4.16	4.72	6.13	5.01	20.26	ppb
Strontium	86-1	0.03	-0.03	-0.03	-0.01		ppb
Strontium	88-1	0.01	0.01	0.01	0.01	25.81	ppb
Sulfur	34-1	-254.27	-504.43	-478.20	-412.30		ppb
Terbium	159-1				107		%
Terbium	159-2				107		%
Thallium	203-1	0.00	0.00	0.00	0.00	2191.67	ppb
Thallium	205-1	0.00	0.00	0.01	0.00	74.25	ppb
Tin	118-1	0.03	0.02	0.02	0.03	25.29	ppb

LB Number :	LB116309	Operator :	Jaswal
Lab Sample ID :	ICB034	Instrumnet Name :	P8
Client Sample ID :	ICB034	Dilution Factor :	1
Date & Time Acquired ::	2021-09-14 17:17:20	DataFile Name :	015CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Titanium	47-1	0.02	0.02	-0.04	0.00		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
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				106		%
Yttrium	89-2				109		%
Zinc	66-2	0.11	0.10	0.02	0.07	65.48	ppb
Zirconium	90-1	0.15	0.11	0.04	0.10	57.69	ppb
Zirconium	91-1	0.11	0.29	-0.22	0.06	448.41	ppb

LB Number :	LB116309	Operator :	Jaswal
Lab Sample ID :	ICSA034	Instrumnet Name :	P8
Client Sample ID :	ICSA034	Dilution Factor :	1
Date & Time Acquired ::	2021-09-14 17:20:36	DataFile Name :	016ICSA.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	97979.14	96522.11	93713.07	96071.44	2.26	ppb
Antimony	121-1	1.13	1.15	1.20	1.16	2.77	ppb
Arsenic	75-2	0.30	0.36	0.29	0.31	11.74	ppb
Barium	135-1	1.27	1.31	1.42	1.34	5.96	ppb
Barium	137-1	1.47	1.45	1.46	1.46	0.71	ppb
Beryllium	9-1	0.27	0.26	0.24	0.26	5.59	ppb
Bismuth	209-1				98		%
Bismuth	209-2				97		%
Boron	10-1	5.39	4.95	4.99	5.11	4.83	ppb
Boron	11-1	5.20	4.83	5.13	5.05	3.81	ppb
Bromine	81-1						cps
Cadmium	111-1	0.88	1.07	0.94	0.96	9.95	ppb
Cadmium	106-1	-2.30	-0.44	-0.81	-1.19		ppb
Cadmium	108-1	17.88	15.62	15.79	16.43	7.67	ppb
Calcium	43-1	97224.21	91978.72	93279.98	94160.97	2.90	ppb
Calcium	44-1	95314.96	92506.89	93102.80	93641.55	1.58	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	18.87	18.60	18.30	18.59	1.53	ppb
Cobalt	59-2	1.16	1.14	1.07	1.13	4.43	ppb
Copper	63-2	7.05	6.87	6.93	6.95	1.34	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				105		%
Holmium	165-2				103		%
Indium	115-1				103		%
Indium	115-2				103		%
Iron	54-2	100521.58	99908.40	99215.60	99881.86	0.65	ppb
Iron	56-2	102960.58	101465.51	98360.24	100928.78	2.33	ppb
Iron	57-2	100888.38	101436.61	98143.47	100156.15	1.76	ppb

LB Number :	LB116309	Operator :	Jaswal
Lab Sample ID :	ICSA034	Instrumnet Name :	P8
Client Sample ID :	ICSA034	Dilution Factor :	1
Date & Time Acquired ::	2021-09-14 17:20:36	DataFile Name :	016ICSA.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Krypton	83-1						cps
Lead	206-1	4.72	4.71	4.80	4.74	1.00	ppb
Lead	207-1	4.25	4.30	4.48	4.34	2.77	ppb
Lead	208-1	4.42	4.45	4.54	4.47	1.47	ppb
Lithium	6-1				103		%
Magnesium	24-2	98208.32	99301.70	96738.60	98082.87	1.31	ppb
Manganese	55-2	7.19	7.42	6.86	7.16	3.92	ppb
Molybdenum	94-1	1361.72	1354.46	1352.97	1356.38	0.35	ppb
Molybdenum	95-1	1960.06	1953.44	1965.89	1959.80	0.32	ppb
Molybdenum	96-1	1885.03	1838.50	1887.18	1870.24	1.47	ppb
Molybdenum	97-1	1972.43	1962.44	1967.67	1967.51	0.25	ppb
Molybdenum	98-1	1966.84	1972.11	1967.41	1968.79	0.15	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	4.81	4.82	4.95	4.86	1.55	ppb
Phosphorus	31-2	98628.53	96328.31	95800.93	96919.26	1.55	ppb
Potassium	39-2	95355.66	94638.87	93474.53	94489.69	1.00	ppb
Rhodium	103-1				100		%
Rhodium	103-2				99		%
Scandium	45-1				106		%
Scandium	45-2				106		%
Selenium	82-1	0.41	-0.23	0.44	0.21	184.00	ppb
Selenium	77-2	1.54	0.00	0.74	0.76	101.55	ppb
Selenium	78-2	-1.03	-0.09	-0.16	-0.43		ppb
Silicon	28-1	27.69	25.27	27.80	26.92	5.32	ppb
Silver	107-1	0.07	0.07	0.04	0.06	26.16	ppb
Silver	109-1	0.06	0.05	0.04	0.05	15.32	ppb
Sodium	23-2	101199.24	103292.10	101142.41	101877.92	1.20	ppb
Strontium	86-1	34.69	34.43	34.71	34.61	0.45	ppb
Strontium	88-1	34.97	34.32	34.81	34.70	0.98	ppb
Sulfur	34-1	106373.42	97420.96	104758.55	102850.98	4.64	ppb
Terbium	159-1				106		%
Terbium	159-2				107		%
Thallium	203-1	0.02	0.05	0.05	0.04	44.47	ppb
Thallium	205-1	0.03	0.04	0.06	0.04	30.36	ppb
Tin	118-1	0.12	0.15	0.14	0.14	11.14	ppb

LB Number :	LB116309	Operator :	Jaswal
Lab Sample ID :	ICSA034	Instrumnet Name :	P8
Client Sample ID :	ICSA034	Dilution Factor :	1
Date & Time Acquired ::	2021-09-14 17:20:36	DataFile Name :	016ICSA.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Titanium	47-1	2064.35	2025.47	2038.49	2042.77	0.97	ppb
Uranium	238-1	0.02	0.01	0.01	0.01	35.77	ppb
Vanadium	51-2	0.15	0.12	0.14	0.13	11.55	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				105		%
Yttrium	89-2				106		%
Zinc	66-2	10.61	10.44	10.68	10.58	1.19	ppb
Zirconium	90-1	0.25	0.17	0.20	0.21	18.84	ppb
Zirconium	91-1	-0.02	0.03	0.06	0.02	186.90	ppb

LB Number :	LB116309	Operator :	Jaswal
Lab Sample ID :	ICSAB034	Instrumnet Name :	P8
Client Sample ID :	ICSAB034	Dilution Factor :	1
Date & Time Acquired ::	2021-09-14 17:23:32	DataFile Name :	017ICSB.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	93434.52	93450.83	95554.18	94146.51	1.29	ppb
Antimony	121-1	21.19	21.15	21.96	21.44	2.13	ppb
Arsenic	75-2	19.60	19.90	20.12	19.88	1.31	ppb
Barium	135-1	21.96	20.94	22.26	21.72	3.17	ppb
Barium	137-1	21.83	21.58	23.15	22.19	3.79	ppb
Beryllium	9-1	20.58	20.56	21.32	20.82	2.08	ppb
Bismuth	209-1				101		%
Bismuth	209-2				99		%
Boron	10-1	64.14	68.76	70.65	67.85	4.94	ppb
Boron	11-1	67.87	72.46	75.68	72.00	5.45	ppb
Bromine	81-1						cps
Cadmium	111-1	20.65	20.66	21.30	20.87	1.78	ppb
Cadmium	106-1	26.52	23.36	25.99	25.29	6.70	ppb
Cadmium	108-1	38.93	39.32	40.90	39.71	2.63	ppb
Calcium	43-1	92816.20	95662.34	95471.42	94649.99	1.68	ppb
Calcium	44-1	92397.90	94706.90	95006.74	94037.18	1.52	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	38.01	37.38	37.19	37.52	1.14	ppb
Cobalt	59-2	19.99	20.14	20.02	20.05	0.39	ppb
Copper	63-2	26.36	25.94	25.82	26.04	1.09	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				107		%
Holmium	165-2				107		%
Indium	115-1				105		%
Indium	115-2				106		%
Iron	54-2	99513.44	99040.46	98538.60	99030.84	0.49	ppb
Iron	56-2	99201.54	98762.98	100339.09	99434.54	0.82	ppb
Iron	57-2	100152.77	97356.55	99361.73	98957.02	1.46	ppb

LB Number :	LB116309	Operator :	Jaswal
Lab Sample ID :	ICSAB034	Instrumnet Name :	P8
Client Sample ID :	ICSAB034	Dilution Factor :	1
Date & Time Acquired ::	2021-09-14 17:23:32	DataFile Name :	017ICSB.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Krypton	83-1						cps
Lead	206-1	24.16	24.35	24.75	24.42	1.23	ppb
Lead	207-1	23.42	23.42	24.09	23.64	1.63	ppb
Lead	208-1	23.39	23.94	24.13	23.82	1.62	ppb
Lithium	6-1				101		%
Magnesium	24-2	96457.04	97693.10	94956.07	96368.74	1.42	ppb
Manganese	55-2	25.70	25.26	25.44	25.47	0.87	ppb
Molybdenum	94-1	1402.11	1435.28	1444.47	1427.29	1.56	ppb
Molybdenum	95-1	1886.26	1922.48	1946.68	1918.47	1.59	ppb
Molybdenum	96-1	1830.84	1853.88	1889.71	1858.14	1.60	ppb
Molybdenum	97-1	1899.38	1960.28	1970.75	1943.47	1.98	ppb
Molybdenum	98-1	1890.48	1949.85	1956.96	1932.43	1.89	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	24.33	23.60	23.80	23.91	1.58	ppb
Phosphorus	31-2	96244.22	93049.82	92575.73	93956.59	2.12	ppb
Potassium	39-2	96417.75	94251.83	94664.02	95111.20	1.21	ppb
Rhodium	103-1				104		%
Rhodium	103-2				103		%
Scandium	45-1				110		%
Scandium	45-2				109		%
Selenium	82-1	20.11	20.39	20.80	20.43	1.69	ppb
Selenium	77-2	20.31	18.79	13.72	17.60	19.58	ppb
Selenium	78-2	21.49	17.64	20.12	19.75	9.87	ppb
Silicon	28-1	27.28	28.20	30.83	28.77	6.40	ppb
Silver	107-1	19.41	19.10	20.12	19.55	2.68	ppb
Silver	109-1	19.27	19.04	20.29	19.54	3.41	ppb
Sodium	23-2	98132.23	99963.49	97870.40	98655.37	1.16	ppb
Strontium	86-1	92.76	95.55	98.32	95.55	2.91	ppb
Strontium	88-1	94.36	98.06	99.42	97.28	2.70	ppb
Sulfur	34-1	99371.32	101691.57	101975.05	101012.65	1.41	ppb
Terbium	159-1				109		%
Terbium	159-2				108		%
Thallium	203-1	19.28	20.12	20.86	20.09	3.93	ppb
Thallium	205-1	20.00	20.55	21.11	20.55	2.71	ppb
Tin	118-1	59.67	57.67	60.66	59.33	2.57	ppb

LB Number :	LB116309	Operator :	Jaswal
Lab Sample ID :	ICSAB034	Instrumnet Name :	P8
Client Sample ID :	ICSAB034	Dilution Factor :	1
Date & Time Acquired ::	2021-09-14 17:23:32	DataFile Name :	017ICSB.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Titanium	47-1	2002.58	1971.56	2039.31	2004.49	1.69	ppb
Uranium	238-1	62.04	64.23	62.10	62.79	1.98	ppb
Vanadium	51-2	18.89	18.47	18.81	18.72	1.20	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				110		%
Yttrium	89-2				110		%
Zinc	66-2	29.83	28.73	28.84	29.13	2.08	ppb
Zirconium	90-1	585.37	588.29	609.06	594.24	2.17	ppb
Zirconium	91-1	575.62	593.88	585.97	585.16	1.56	ppb

LB Number :	LB116309	Operator :	Jaswal
Lab Sample ID :	CCV027	Instrumnet Name :	P8
Client Sample ID :	CCV027	Dilution Factor :	1
Date & Time Acquired ::	2021-09-14 17:26:25	DataFile Name :	018CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	50627.65	49253.27	48212.19	49364.37	2.45	ppb
Antimony	121-1	494.27	500.45	513.35	502.69	1.94	ppb
Arsenic	75-2	494.42	506.17	501.62	500.74	1.18	ppb
Barium	135-1	2513.36	2493.93	2634.76	2547.35	3.00	ppb
Barium	137-1	2484.64	2535.45	2651.43	2557.17	3.34	ppb
Beryllium	9-1	515.58	529.26	525.69	523.51	1.36	ppb
Bismuth	209-1				97		%
Bismuth	209-2				96		%
Boron	10-1	506.46	516.04	530.95	517.82	2.38	ppb
Boron	11-1	540.49	538.45	553.08	544.01	1.46	ppb
Bromine	81-1						cps
Cadmium	111-1	514.36	527.39	548.59	530.11	3.26	ppb
Cadmium	106-1	518.63	532.10	546.36	532.36	2.61	ppb
Cadmium	108-1	506.81	519.68	530.89	519.13	2.32	ppb
Calcium	43-1	234057.68	240822.88	245784.64	240221.73	2.45	ppb
Calcium	44-1	234977.86	246549.54	246786.41	242771.27	2.78	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	496.57	478.19	471.85	482.21	2.66	ppb
Cobalt	59-2	481.13	478.36	472.74	477.41	0.90	ppb
Copper	63-2	4886.79	4823.61	4792.49	4834.30	0.99	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				106		%
Holmium	165-2				106		%
Indium	115-1				101		%
Indium	115-2				104		%
Iron	54-2	123937.35	123143.48	122323.73	123134.85	0.66	ppb
Iron	56-2	124913.09	124960.51	121646.05	123839.88	1.53	ppb
Iron	57-2	126823.94	125904.60	123089.59	125272.71	1.55	ppb

LB Number :	LB116309	Operator :	Jaswal
Lab Sample ID :	CCV027	Instrumnet Name :	P8
Client Sample ID :	CCV027	Dilution Factor :	1
Date & Time Acquired ::	2021-09-14 17:26:25	DataFile Name :	018CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Krypton	83-1						cps
Lead	206-1	2474.63	2591.85	2572.03	2546.17	2.46	ppb
Lead	207-1	2502.12	2629.11	2595.10	2575.44	2.55	ppb
Lead	208-1	2505.32	2608.61	2588.76	2567.56	2.13	ppb
Lithium	6-1				100		%
Magnesium	24-2	256722.58	253120.23	243688.37	251177.06	2.68	ppb
Manganese	55-2	5136.66	5075.16	5015.89	5075.90	1.19	ppb
Molybdenum	94-1	2435.17	2570.44	2546.59	2517.40	2.87	ppb
Molybdenum	95-1	2438.86	2510.69	2527.49	2492.35	1.89	ppb
Molybdenum	96-1	2463.89	2534.12	2580.00	2526.00	2.31	ppb
Molybdenum	97-1	2496.66	2551.99	2561.58	2536.74	1.38	ppb
Molybdenum	98-1	2503.56	2552.27	2559.05	2538.29	1.19	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	462.58	461.95	453.17	459.23	1.15	ppb
Phosphorus	31-2	9867.15	9480.56	8984.54	9444.08	4.68	ppb
Potassium	39-2	121041.17	121338.34	121861.11	121413.54	0.34	ppb
Rhodium	103-1				101		%
Rhodium	103-2				100		%
Scandium	45-1				109		%
Scandium	45-2				111		%
Selenium	82-1	501.34	513.95	516.86	510.72	1.62	ppb
Selenium	77-2	492.60	518.48	496.61	502.57	2.77	ppb
Selenium	78-2	490.07	494.74	494.85	493.22	0.55	ppb
Silicon	28-1	562.64	595.93	640.46	599.68	6.51	ppb
Silver	107-1	506.81	513.20	528.63	516.21	2.17	ppb
Silver	109-1	519.57	529.57	545.76	531.63	2.49	ppb
Sodium	23-2	245578.57	239537.27	242829.69	242648.51	1.25	ppb
Strontium	86-1	4974.61	5063.49	5066.41	5034.84	1.04	ppb
Strontium	88-1	5005.12	5073.43	5050.18	5042.91	0.69	ppb
Sulfur	34-1	8849.66	9550.39	10069.98	9490.01	6.45	ppb
Terbium	159-1				107		%
Terbium	159-2				110		%
Thallium	203-1	507.92	517.06	527.64	517.54	1.91	ppb
Thallium	205-1	495.40	514.41	511.47	507.09	2.02	ppb
Tin	118-1	484.76	502.41	524.35	503.84	3.94	ppb

LB Number :	LB116309	Operator :	Jaswal
Lab Sample ID :	CCV027	Instrumnet Name :	P8
Client Sample ID :	CCV027	Dilution Factor :	1
Date & Time Acquired ::	2021-09-14 17:26:25	DataFile Name :	018CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Titanium	47-1	2459.67	2535.05	2614.04	2536.25	3.04	ppb
Uranium	238-1	504.04	518.52	529.29	517.28	2.45	ppb
Vanadium	51-2	484.01	468.36	461.59	471.32	2.44	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				108		%
Yttrium	89-2				112		%
Zinc	66-2	4723.61	4754.99	4669.46	4716.02	0.92	ppb
Zirconium	90-1	5007.52	5161.66	5173.86	5114.35	1.81	ppb
Zirconium	91-1	4996.59	5262.73	5183.96	5147.76	2.66	ppb

LB Number :	LB116309	Operator :	Jaswal
Lab Sample ID :	CCB027	Instrumnet Name :	P8
Client Sample ID :	CCB027	Dilution Factor :	1
Date & Time Acquired ::	2021-09-14 17:32:03	DataFile Name :	019CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	0.33	0.15	0.46	0.31	50.25	ppb
Antimony	121-1	0.07	0.08	0.10	0.08	17.96	ppb
Arsenic	75-2	-0.01	-0.01	-0.01	-0.01		ppb
Barium	135-1	-0.02	0.01	0.00	-0.01		ppb
Barium	137-1	0.03	0.03	0.04	0.03	22.05	ppb
Beryllium	9-1	0.01	0.01	0.00	0.01	67.04	ppb
Bismuth	209-1				104		%
Bismuth	209-2				104		%
Boron	10-1	17.78	16.23	17.03	17.01	4.57	ppb
Boron	11-1	18.37	17.27	17.34	17.66	3.51	ppb
Bromine	81-1						cps
Cadmium	111-1	0.01	0.01	0.01	0.01	8.89	ppb
Cadmium	106-1	1.58	0.68	3.81	2.02	79.56	ppb
Cadmium	108-1	-0.10	-0.11	-0.02	-0.07		ppb
Calcium	43-1	2.17	0.32	1.89	1.46	68.10	ppb
Calcium	44-1	3.86	3.90	3.88	3.88	0.49	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	-0.01	0.01	0.00	0.00	378.43	ppb
Cobalt	59-2	-0.01	0.01	0.01	0.00	270.70	ppb
Copper	63-2	-0.04	-0.01	-0.06	-0.04		ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				105		%
Holmium	165-2				105		%
Indium	115-1				105		%
Indium	115-2				108		%
Iron	54-2	-0.03	0.97	1.33	0.76	93.58	ppb
Iron	56-2	0.52	0.45	0.54	0.50	9.82	ppb
Iron	57-2	0.69	0.13	0.21	0.34	88.11	ppb

LB Number :	LB116309	Operator :	Jaswal
Lab Sample ID :	CCB027	Instrumnet Name :	P8
Client Sample ID :	CCB027	Dilution Factor :	1
Date & Time Acquired ::	2021-09-14 17:32:03	DataFile Name :	019CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Krypton	83-1						cps
Lead	206-1	0.14	0.13	0.12	0.13	4.73	ppb
Lead	207-1	0.08	0.11	0.08	0.09	16.87	ppb
Lead	208-1	0.10	0.10	0.09	0.10	3.24	ppb
Lithium	6-1				104		%
Magnesium	24-2	1.28	1.20	0.95	1.14	15.15	ppb
Manganese	55-2	0.01	0.08	0.08	0.06	68.29	ppb
Molybdenum	94-1	0.01	0.01	0.04	0.02	109.44	ppb
Molybdenum	95-1	0.08	0.07	0.05	0.07	21.96	ppb
Molybdenum	96-1	0.09	0.07	0.07	0.08	16.69	ppb
Molybdenum	97-1	0.08	0.08	0.07	0.08	8.81	ppb
Molybdenum	98-1	0.08	0.03	0.06	0.06	37.40	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	-0.32	-0.33	-0.32	-0.32		ppb
Phosphorus	31-2	-4.34	-5.66	-5.92	-5.31		ppb
Potassium	39-2	12.81	9.83	13.86	12.16	17.19	ppb
Rhodium	103-1				108		%
Rhodium	103-2				109		%
Scandium	45-1				108		%
Scandium	45-2				110		%
Selenium	82-1	-0.05	0.11	0.24	0.10	148.43	ppb
Selenium	77-2	0.71	0.00	0.72	0.48	86.61	ppb
Selenium	78-2	-0.29	-0.25	-0.58	-0.37		ppb
Silicon	28-1	1.68	1.88	2.07	1.88	10.30	ppb
Silver	107-1	0.03	0.03	0.03	0.03	13.28	ppb
Silver	109-1	0.03	0.03	0.03	0.03	2.82	ppb
Sodium	23-2	16.23	15.05	18.44	16.57	10.37	ppb
Strontium	86-1	0.04	0.02	0.02	0.03	38.13	ppb
Strontium	88-1	0.02	0.02	0.02	0.02	21.15	ppb
Sulfur	34-1	-983.07	-845.97	-821.52	-883.52		ppb
Terbium	159-1				108		%
Terbium	159-2				107		%
Thallium	203-1	0.05	0.06	0.06	0.06	5.59	ppb
Thallium	205-1	0.08	0.07	0.06	0.07	15.94	ppb
Tin	118-1	0.01	0.02	0.03	0.02	50.63	ppb

LB Number :	LB116309	Operator :	Jaswal
Lab Sample ID :	CCB027	Instrumnet Name :	P8
Client Sample ID :	CCB027	Dilution Factor :	1
Date & Time Acquired ::	2021-09-14 17:32:03	DataFile Name :	019CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Titanium	47-1	0.03	0.03	0.02	0.02	31.87	ppb
Uranium	238-1	0.00	0.00	0.00	0.00	3.76	ppb
Vanadium	51-2	0.00	0.00	0.00	0.00	2099.29	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				107		%
Yttrium	89-2				110		%
Zinc	66-2	0.10	0.02	0.16	0.09	72.76	ppb
Zirconium	90-1	0.14	0.10	0.15	0.13	18.69	ppb
Zirconium	91-1	-0.01	-0.19	-0.04	-0.08		ppb

LB Number :	LB116309	Operator :	Jaswal
Lab Sample ID :	PB139065BL	Instrumnet Name :	P8
Client Sample ID :	PBW065	Dilution Factor :	1
Date & Time Acquired ::	2021-09-14 17:38:04	DataFile Name :	020CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	-0.02	0.08	-0.06	0.00	50727.46	ppb
Antimony	121-1	0.03	0.02	0.04	0.03	28.02	ppb
Arsenic	75-2	-0.01	-0.01	-0.03	-0.02		ppb
Barium	135-1	0.03	0.02	-0.01	0.01	169.22	ppb
Barium	137-1	0.06	0.05	0.03	0.05	33.89	ppb
Beryllium	9-1	0.01	0.00	0.01	0.00	115.02	ppb
Bismuth	209-1				106		%
Bismuth	209-2				101		%
Boron	10-1	8.83	8.60	8.30	8.58	3.09	ppb
Boron	11-1	9.42	9.31	8.15	8.96	7.90	ppb
Bromine	81-1						cps
Cadmium	111-1	0.01	0.01	0.01	0.01	17.63	ppb
Cadmium	106-1	2.23	3.01	0.45	1.90	69.10	ppb
Cadmium	108-1	-0.09	-0.08	-0.12	-0.10		ppb
Calcium	43-1	1.13	0.75	1.63	1.17	37.60	ppb
Calcium	44-1	3.87	3.68	2.28	3.28	26.58	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	-0.02	0.00	-0.01	-0.01		ppb
Cobalt	59-2	0.00	0.00	0.00	0.00		ppb
Copper	63-2	-0.10	-0.09	-0.11	-0.10		ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				106		%
Holmium	165-2				103		%
Indium	115-1				107		%
Indium	115-2				105		%
Iron	54-2	0.08	0.40	0.30	0.26	63.20	ppb
Iron	56-2	-0.03	0.00	-0.06	-0.03		ppb
Iron	57-2	-1.24	-0.90	-0.51	-0.88		ppb

LB Number :	LB116309	Operator :	Jaswal
Lab Sample ID :	PB139065BL	Instrumnet Name :	P8
Client Sample ID :	PBW065	Dilution Factor :	1
Date & Time Acquired ::	2021-09-14 17:38:04	DataFile Name :	020CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Krypton	83-1						cps
Lead	206-1	0.08	0.06	0.08	0.07	15.71	ppb
Lead	207-1	0.08	0.02	0.04	0.05	64.88	ppb
Lead	208-1	0.07	0.06	0.05	0.06	20.87	ppb
Lithium	6-1				104		%
Magnesium	24-2	0.20	-0.07	-0.04	0.03	489.14	ppb
Manganese	55-2	0.02	0.03	0.01	0.02	54.57	ppb
Molybdenum	94-1	0.00	0.00	0.03	0.01	123.01	ppb
Molybdenum	95-1	0.02	0.02	0.01	0.02	33.64	ppb
Molybdenum	96-1	0.00	0.02	0.01	0.01	81.51	ppb
Molybdenum	97-1	0.01	0.01	0.02	0.02	38.31	ppb
Molybdenum	98-1	0.02	0.01	0.01	0.01	37.55	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	-0.31	-0.32	-0.32	-0.32		ppb
Phosphorus	31-2	20.31	-13.82	12.18	6.22	286.48	ppb
Potassium	39-2	14.38	16.32	8.94	13.22	28.94	ppb
Rhodium	103-1				110		%
Rhodium	103-2				106		%
Scandium	45-1				108		%
Scandium	45-2				106		%
Selenium	82-1	0.23	0.57	0.75	0.52	51.22	ppb
Selenium	77-2	0.00	0.00	0.00	0.00	N/A	ppb
Selenium	78-2	-0.38	0.17	0.04	-0.06		ppb
Silicon	28-1	7.78	0.20	-0.26	2.57	175.66	ppb
Silver	107-1	0.00	0.01	0.00	0.00	80.12	ppb
Silver	109-1	0.01	0.00	0.02	0.01	54.83	ppb
Sodium	23-2	12.70	12.56	10.97	12.08	7.97	ppb
Strontium	86-1	0.02	-0.02	-0.05	-0.01		ppb
Strontium	88-1	0.01	0.01	0.01	0.01	36.93	ppb
Sulfur	34-1	-343.99	-575.63	-899.38	-606.33		ppb
Terbium	159-1				108		%
Terbium	159-2				104		%
Thallium	203-1	0.01	0.01	0.02	0.01	40.36	ppb
Thallium	205-1	0.02	0.03	0.02	0.02	23.26	ppb
Tin	118-1	0.03	0.02	0.03	0.03	35.14	ppb

LB Number :	LB116309	Operator :	Jaswal
Lab Sample ID :	PB139065BL	Instrumnet Name :	P8
Client Sample ID :	PBW065	Dilution Factor :	1
Date & Time Acquired ::	2021-09-14 17:38:04	DataFile Name :	020CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Titanium	47-1	0.00	0.01	0.00	0.00	223.48	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
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				108		%
Yttrium	89-2				105		%
Zinc	66-2	0.17	0.15	0.15	0.15	7.44	ppb
Zirconium	90-1	0.06	0.03	0.11	0.07	59.84	ppb
Zirconium	91-1	0.07	0.33	-0.05	0.12	162.08	ppb

LB Number :	LB116309	Operator :	Jaswal
Lab Sample ID :	PB139065BS	Instrumnet Name :	P8
Client Sample ID :	LCS065	Dilution Factor :	1
Date & Time Acquired ::	2021-09-14 17:41:06	DataFile Name :	021LCSE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	46.93	46.92	44.89	46.25	2.53	ppb
Antimony	121-1	4.32	4.35	4.00	4.22	4.70	ppb
Arsenic	75-2	1.75	2.16	1.94	1.95	10.51	ppb
Barium	135-1	21.40	21.09	20.26	20.92	2.81	ppb
Barium	137-1	21.93	21.38	20.66	21.32	2.98	ppb
Beryllium	9-1	2.21	2.07	2.06	2.11	3.80	ppb
Bismuth	209-1				107		%
Bismuth	209-2				104		%
Boron	10-1	53.47	54.06	58.04	55.19	4.50	ppb
Boron	11-1	55.32	56.30	60.01	57.21	4.32	ppb
Bromine	81-1						cps
Cadmium	111-1	0.45	0.48	0.44	0.46	4.76	ppb
Cadmium	106-1	3.07	0.68	2.65	2.13	59.92	ppb
Cadmium	108-1	0.52	0.92	1.01	0.81	31.85	ppb
Calcium	43-1	969.41	958.79	958.66	962.29	0.64	ppb
Calcium	44-1	999.69	961.33	965.32	975.45	2.16	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	4.14	4.11	4.03	4.10	1.40	ppb
Cobalt	59-2	1.98	2.03	2.04	2.02	1.45	ppb
Copper	63-2	3.73	3.80	3.85	3.79	1.59	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				105		%
Holmium	165-2				103		%
Indium	115-1				105		%
Indium	115-2				107		%
Iron	54-2	482.14	486.85	483.61	484.20	0.50	ppb
Iron	56-2	486.40	486.59	481.20	484.73	0.63	ppb
Iron	57-2	468.75	464.51	478.19	470.48	1.49	ppb

LB Number :	LB116309	Operator :	Jaswal
Lab Sample ID :	PB139065BS	Instrumnet Name :	P8
Client Sample ID :	LCS065	Dilution Factor :	1
Date & Time Acquired ::	2021-09-14 17:41:06	DataFile Name :	021LCSE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Krypton	83-1						cps
Lead	206-1	2.08	1.92	2.04	2.01	4.09	ppb
Lead	207-1	2.10	2.06	2.05	2.07	1.40	ppb
Lead	208-1	2.07	1.95	2.01	2.01	2.94	ppb
Lithium	6-1				104		%
Magnesium	24-2	1077.97	1085.76	1065.19	1076.31	0.97	ppb
Manganese	55-2	2.10	2.21	2.23	2.18	3.34	ppb
Molybdenum	94-1	18.91	19.07	19.04	19.01	0.46	ppb
Molybdenum	95-1	22.73	22.81	22.11	22.55	1.69	ppb
Molybdenum	96-1	21.82	21.59	22.36	21.92	1.80	ppb
Molybdenum	97-1	22.98	22.95	23.08	23.00	0.30	ppb
Molybdenum	98-1	23.14	22.40	22.93	22.82	1.68	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	1.85	1.82	1.87	1.85	1.37	ppb
Phosphorus	31-2	18.82	1.45	12.80	11.02	80.01	ppb
Potassium	39-2	1007.21	1009.76	1007.21	1008.06	0.15	ppb
Rhodium	103-1				108		%
Rhodium	103-2				107		%
Scandium	45-1				109		%
Scandium	45-2				107		%
Selenium	82-1	11.09	10.68	11.18	10.98	2.42	ppb
Selenium	77-2	14.59	10.49	9.58	11.55	23.14	ppb
Selenium	78-2	9.73	10.37	12.25	10.78	12.12	ppb
Silicon	28-1	23.81	22.29	21.88	22.66	4.48	ppb
Silver	107-1	2.05	2.14	2.03	2.08	2.93	ppb
Silver	109-1	2.02	2.15	2.05	2.07	3.49	ppb
Sodium	23-2	1049.38	1051.16	1069.77	1056.77	1.07	ppb
Strontium	86-1	2.23	2.27	2.22	2.24	1.30	ppb
Strontium	88-1	2.30	2.13	2.25	2.23	3.88	ppb
Sulfur	34-1	-802.34	-1023.79	-1040.18	-955.43		ppb
Terbium	159-1				108		%
Terbium	159-2				107		%
Thallium	203-1	1.94	2.00	1.92	1.95	2.13	ppb
Thallium	205-1	2.00	1.92	2.02	1.98	2.66	ppb
Tin	118-1	10.63	10.37	10.47	10.49	1.21	ppb

LB Number :	LB116309	Operator :	Jaswal
Lab Sample ID :	PB139065BS	Instrumnet Name :	P8
Client Sample ID :	LCS065	Dilution Factor :	1
Date & Time Acquired ::	2021-09-14 17:41:06	DataFile Name :	021LCSE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Titanium	47-1	10.26	9.98	10.70	10.32	3.51	ppb
Uranium	238-1	1.93	1.87	1.92	1.91	1.78	ppb
Vanadium	51-2	10.09	9.71	9.89	9.90	1.90	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				110		%
Yttrium	89-2				107		%
Zinc	66-2	11.18	11.37	11.95	11.50	3.49	ppb
Zirconium	90-1	19.44	19.90	19.76	19.70	1.18	ppb
Zirconium	91-1	19.06	19.91	18.10	19.02	4.78	ppb

LB Number :	LB116309	Operator :	Jaswal
Lab Sample ID :	PB139064BL	Instrumnet Name :	P8
Client Sample ID :	PBW064	Dilution Factor :	1
Date & Time Acquired ::	2021-09-14 17:44:06	DataFile Name :	022CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	-0.28	0.03	-0.42	-0.22		ppb
Antimony	121-1	0.01	0.01	0.01	0.01	14.19	ppb
Arsenic	75-2	-0.01	-0.04	-0.03	-0.03		ppb
Barium	135-1	0.03	0.04	0.04	0.03	3.61	ppb
Barium	137-1	0.08	0.06	0.07	0.07	16.89	ppb
Beryllium	9-1	0.01	0.00	0.00	0.00	402.17	ppb
Bismuth	209-1				103		%
Bismuth	209-2				103		%
Boron	10-1	12.16	12.57	10.67	11.80	8.51	ppb
Boron	11-1	12.75	12.72	11.13	12.20	7.60	ppb
Bromine	81-1						cps
Cadmium	111-1	0.00	0.00	0.00	0.00	18.06	ppb
Cadmium	106-1	1.67	1.34	0.53	1.18	49.75	ppb
Cadmium	108-1	-0.01	-0.16	-0.15	-0.11		ppb
Calcium	43-1	0.35	0.75	-0.42	0.23	262.27	ppb
Calcium	44-1	-0.05	0.92	0.35	0.41	120.59	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	-0.02	0.00	0.03	0.00	874.22	ppb
Cobalt	59-2	0.01	0.00	0.00	0.00		ppb
Copper	63-2	-0.11	-0.11	-0.12	-0.12		ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				103		%
Holmium	165-2				103		%
Indium	115-1				105		%
Indium	115-2				105		%
Iron	54-2	0.17	0.16	-0.63	-0.10		ppb
Iron	56-2	-0.05	-0.15	-0.14	-0.12		ppb
Iron	57-2	-1.13	-0.92	-0.69	-0.91		ppb

LB Number :	LB116309	Operator :	Jaswal
Lab Sample ID :	PB139064BL	Instrumnet Name :	P8
Client Sample ID :	PBW064	Dilution Factor :	1
Date & Time Acquired ::	2021-09-14 17:44:06	DataFile Name :	022CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Krypton	83-1						cps
Lead	206-1	0.03	0.04	0.04	0.04	11.73	ppb
Lead	207-1	0.02	0.03	0.04	0.03	30.71	ppb
Lead	208-1	0.03	0.04	0.04	0.03	14.40	ppb
Lithium	6-1				105		%
Magnesium	24-2	0.27	-0.17	-0.16	-0.02		ppb
Manganese	55-2	0.03	0.03	0.04	0.03	28.15	ppb
Molybdenum	94-1	-0.02	0.02	0.01	0.00	465.00	ppb
Molybdenum	95-1	0.02	0.00	0.01	0.01	115.79	ppb
Molybdenum	96-1	0.01	0.00	0.00	0.01	107.92	ppb
Molybdenum	97-1	0.00	0.00	0.00	0.00	213.98	ppb
Molybdenum	98-1	0.00	0.00	-0.01	0.00		ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	-0.32	-0.32	-0.31	-0.32		ppb
Phosphorus	31-2	-0.37	-14.05	13.37	-0.35		ppb
Potassium	39-2	13.28	7.68	9.43	10.13	28.27	ppb
Rhodium	103-1				107		%
Rhodium	103-2				105		%
Scandium	45-1				107		%
Scandium	45-2				106		%
Selenium	82-1	0.06	0.25	0.23	0.18	57.22	ppb
Selenium	77-2	0.00	0.00	0.00	0.00	N/A	ppb
Selenium	78-2	-0.98	-0.47	-0.31	-0.59		ppb
Silicon	28-1	-2.72	-1.58	-2.48	-2.26		ppb
Silver	107-1	0.02	0.01	0.01	0.01	23.89	ppb
Silver	109-1	0.02	0.02	0.02	0.02	16.69	ppb
Sodium	23-2	9.97	9.29	10.45	9.91	5.91	ppb
Strontium	86-1	-0.03	0.06	-0.01	0.00	1558.72	ppb
Strontium	88-1	0.00	0.00	0.00	0.00	76.37	ppb
Sulfur	34-1	-849.99	-548.05	-733.70	-710.58		ppb
Terbium	159-1				106		%
Terbium	159-2				105		%
Thallium	203-1	0.00	0.01	0.02	0.01	135.13	ppb
Thallium	205-1	0.01	0.01	0.01	0.01	46.60	ppb
Tin	118-1	0.00	0.00	-0.02	-0.01		ppb

LB Number :	LB116309	Operator :	Jaswal
Lab Sample ID :	PB139064BL	Instrumnet Name :	P8
Client Sample ID :	PBW064	Dilution Factor :	1
Date & Time Acquired ::	2021-09-14 17:44:06	DataFile Name :	022CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Titanium	47-1	-0.03	0.00	-0.07	-0.04		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
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				106		%
Yttrium	89-2				105		%
Zinc	66-2	-0.05	0.05	0.05	0.02	289.99	ppb
Zirconium	90-1	0.03	0.00	-0.05	-0.01		ppb
Zirconium	91-1	-0.19	-0.05	-0.11	-0.12		ppb

LB Number :	LB116309	Operator :	Jaswal
Lab Sample ID :	PB139064BS	Instrumnet Name :	P8
Client Sample ID :	LCS064	Dilution Factor :	1
Date & Time Acquired ::	2021-09-14 17:47:09	DataFile Name :	023LCSE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	44.53	45.02	43.47	44.34	1.78	ppb
Antimony	121-1	4.39	3.91	4.56	4.29	7.80	ppb
Arsenic	75-2	1.96	2.06	2.15	2.06	4.68	ppb
Barium	135-1	21.69	19.21	22.22	21.04	7.65	ppb
Barium	137-1	21.67	19.77	22.51	21.32	6.59	ppb
Beryllium	9-1	2.17	1.96	2.18	2.10	6.01	ppb
Bismuth	209-1				106		%
Bismuth	209-2				104		%
Boron	10-1	54.03	51.73	57.91	54.55	5.72	ppb
Boron	11-1	55.35	54.34	61.82	57.17	7.10	ppb
Bromine	81-1						cps
Cadmium	111-1	2.63	2.24	2.57	2.48	8.45	ppb
Cadmium	106-1	4.76	4.75	6.06	5.19	14.60	ppb
Cadmium	108-1	2.22	2.32	2.24	2.26	2.16	ppb
Calcium	43-1	1025.05	925.13	1005.47	985.22	5.37	ppb
Calcium	44-1	1034.96	936.42	1009.60	993.66	5.15	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	4.12	3.94	3.82	3.96	3.76	ppb
Cobalt	59-2	2.07	1.99	1.94	2.00	3.25	ppb
Copper	63-2	3.80	3.89	3.60	3.76	4.03	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				106		%
Holmium	165-2				105		%
Indium	115-1				106		%
Indium	115-2				110		%
Iron	54-2	492.41	471.97	463.46	475.95	3.13	ppb
Iron	56-2	492.12	484.91	474.13	483.72	1.87	ppb
Iron	57-2	486.42	464.40	458.17	469.66	3.16	ppb

LB Number :	LB116309	Operator :	Jaswal
Lab Sample ID :	PB139064BS	Instrumnet Name :	P8
Client Sample ID :	LCS064	Dilution Factor :	1
Date & Time Acquired ::	2021-09-14 17:47:09	DataFile Name :	023LCSE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Krypton	83-1						cps
Lead	206-1	2.14	1.87	2.06	2.02	6.96	ppb
Lead	207-1	2.15	1.87	2.17	2.07	8.08	ppb
Lead	208-1	2.11	1.89	2.11	2.04	6.20	ppb
Lithium	6-1				106		%
Magnesium	24-2	1074.32	1061.73	1009.59	1048.55	3.27	ppb
Manganese	55-2	2.12	1.98	2.00	2.03	3.64	ppb
Molybdenum	94-1	10.63	9.56	10.49	10.23	5.67	ppb
Molybdenum	95-1	10.66	9.83	10.87	10.45	5.26	ppb
Molybdenum	96-1	10.58	9.71	10.65	10.31	5.06	ppb
Molybdenum	97-1	10.73	10.16	11.08	10.66	4.36	ppb
Molybdenum	98-1	10.71	9.59	10.88	10.40	6.74	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	1.95	1.83	1.75	1.84	5.41	ppb
Phosphorus	31-2	10.56	5.81	-10.90	1.82	618.28	ppb
Potassium	39-2	1019.08	991.66	942.29	984.34	3.95	ppb
Rhodium	103-1				108		%
Rhodium	103-2				108		%
Scandium	45-1				107		%
Scandium	45-2				109		%
Selenium	82-1	11.09	10.41	11.72	11.07	5.93	ppb
Selenium	77-2	15.60	7.39	10.97	11.32	36.38	ppb
Selenium	78-2	9.68	8.70	10.21	9.53	8.01	ppb
Silicon	28-1	26.21	20.40	23.94	23.51	12.45	ppb
Silver	107-1	2.15	1.98	2.18	2.10	5.22	ppb
Silver	109-1	2.18	1.96	2.13	2.09	5.53	ppb
Sodium	23-2	1053.73	1060.40	1015.02	1043.05	2.35	ppb
Strontium	86-1	2.20	2.04	2.35	2.19	7.07	ppb
Strontium	88-1	2.29	2.14	2.39	2.27	5.48	ppb
Sulfur	34-1	-133.27	-1034.54	-276.69	-481.50		ppb
Terbium	159-1				108		%
Terbium	159-2				107		%
Thallium	203-1	2.01	1.86	2.07	1.98	5.42	ppb
Thallium	205-1	2.11	1.78	2.06	1.98	9.05	ppb
Tin	118-1	10.91	9.60	10.80	10.44	6.96	ppb

LB Number :	LB116309	Operator :	Jaswal
Lab Sample ID :	PB139064BS	Instrumnet Name :	P8
Client Sample ID :	LCS064	Dilution Factor :	1
Date & Time Acquired ::	2021-09-14 17:47:09	DataFile Name :	023LCSE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Titanium	47-1	10.37	10.24	10.27	10.29	0.66	ppb
Uranium	238-1	1.98	1.80	2.00	1.93	5.51	ppb
Vanadium	51-2	10.00	9.81	9.50	9.77	2.63	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				109		%
Yttrium	89-2				107		%
Zinc	66-2	10.75	11.98	11.20	11.31	5.51	ppb
Zirconium	90-1	20.47	18.79	20.63	19.97	5.10	ppb
Zirconium	91-1	19.84	19.22	19.17	19.41	1.92	ppb

LB Number :	LB116309	Operator :	Jaswal
Lab Sample ID :	PB139063BL	Instrumnet Name :	P8
Client Sample ID :	PBS063	Dilution Factor :	1
Date & Time Acquired ::	2021-09-14 17:50:10	DataFile Name :	024CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	-0.08	-0.26	-0.13	-0.16		ppb
Antimony	121-1	0.00	0.01	0.00	0.01	87.97	ppb
Arsenic	75-2	-0.03	-0.03	-0.01	-0.02		ppb
Barium	135-1	0.04	0.02	0.01	0.03	68.27	ppb
Barium	137-1	0.12	0.11	0.07	0.10	25.81	ppb
Beryllium	9-1	-0.01	0.00	0.00	0.00		ppb
Bismuth	209-1				107		%
Bismuth	209-2				104		%
Boron	10-1	8.39	8.76	8.11	8.42	3.87	ppb
Boron	11-1	9.50	9.17	8.92	9.20	3.13	ppb
Bromine	81-1						cps
Cadmium	111-1	-0.01	0.01	0.00	0.00		ppb
Cadmium	106-1	1.11	2.26	2.16	1.85	34.66	ppb
Cadmium	108-1	-0.10	-0.15	-0.02	-0.09		ppb
Calcium	43-1	-0.57	-0.44	0.23	-0.26		ppb
Calcium	44-1	0.32	0.24	-0.46	0.03	1257.50	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	-0.01	-0.01	-0.01	-0.01		ppb
Cobalt	59-2	0.00	0.00	-0.01	0.00		ppb
Copper	63-2	-0.14	-0.13	-0.15	-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				107		%
Holmium	165-2				107		%
Indium	115-1				108		%
Indium	115-2				107		%
Iron	54-2	0.56	-0.33	0.19	0.14	313.49	ppb
Iron	56-2	-0.09	-0.27	-0.21	-0.19		ppb
Iron	57-2	-0.61	-1.04	-0.75	-0.80		ppb

LB Number :	LB116309	Operator :	Jaswal
Lab Sample ID :	PB139063BL	Instrumnet Name :	P8
Client Sample ID :	PBS063	Dilution Factor :	1
Date & Time Acquired ::	2021-09-14 17:50:10	DataFile Name :	024CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Krypton	83-1						cps
Lead	206-1	0.02	0.03	0.02	0.02	22.44	ppb
Lead	207-1	0.01	0.03	0.04	0.03	48.36	ppb
Lead	208-1	0.02	0.03	0.02	0.02	30.74	ppb
Lithium	6-1				108		%
Magnesium	24-2	-0.46	-0.26	0.13	-0.20		ppb
Manganese	55-2	0.02	0.04	-0.01	0.02	164.27	ppb
Molybdenum	94-1	0.01	-0.01	-0.03	-0.01		ppb
Molybdenum	95-1	0.01	0.00	0.00	0.00	2425.97	ppb
Molybdenum	96-1	0.00	-0.01	0.00	0.00		ppb
Molybdenum	97-1	0.00	0.00	0.00	0.00		ppb
Molybdenum	98-1	0.00	0.00	0.00	0.00		ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	-0.32	-0.31	-0.32	-0.32		ppb
Phosphorus	31-2	-5.46	-7.65	6.95	-2.05		ppb
Potassium	39-2	1.59	4.26	1.92	2.59	56.28	ppb
Rhodium	103-1				108		%
Rhodium	103-2				107		%
Scandium	45-1				110		%
Scandium	45-2				109		%
Selenium	82-1	0.59	0.34	0.44	0.46	27.33	ppb
Selenium	77-2	0.00	0.73	0.00	0.24	173.21	ppb
Selenium	78-2	0.01	-0.31	-0.51	-0.27		ppb
Silicon	28-1	-2.23	-1.71	-0.93	-1.62		ppb
Silver	107-1	0.01	0.02	0.01	0.01	64.85	ppb
Silver	109-1	0.02	0.02	0.02	0.02	14.03	ppb
Sodium	23-2	7.50	5.05	6.67	6.40	19.47	ppb
Strontium	86-1	-0.03	-0.01	-0.07	-0.04		ppb
Strontium	88-1	0.01	0.00	0.00	0.00	171.99	ppb
Sulfur	34-1	-909.27	-772.99	-861.59	-847.95		ppb
Terbium	159-1				108		%
Terbium	159-2				107		%
Thallium	203-1	-0.01	-0.01	-0.02	-0.01		ppb
Thallium	205-1	-0.02	-0.01	-0.01	-0.01		ppb
Tin	118-1	-0.01	0.01	0.00	0.00	26861.23	ppb

LB Number :	LB116309	Operator :	Jaswal
Lab Sample ID :	PB139063BL	Instrumnet Name :	P8
Client Sample ID :	PBS063	Dilution Factor :	1
Date & Time Acquired ::	2021-09-14 17:50:10	DataFile Name :	024CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Titanium	47-1	-0.04	-0.05	-0.04	-0.04		ppb
Uranium	238-1	0.00	0.00	0.00	0.00		ppb
Vanadium	51-2	0.00	0.00	0.00	0.00	143.85	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				109		%
Yttrium	89-2				109		%
Zinc	66-2	0.03	-0.05	-0.05	-0.02		ppb
Zirconium	90-1	0.00	0.05	0.05	0.03	77.50	ppb
Zirconium	91-1	-0.12	-0.21	-0.01	-0.12		ppb

LB Number :	LB116309	Operator :	Jaswal
Lab Sample ID :	PB139063BS	Instrumnet Name :	P8
Client Sample ID :	LCS063	Dilution Factor :	1
Date & Time Acquired ::	2021-09-14 17:53:13	DataFile Name :	025LCSE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	44.26	42.28	44.07	43.54	2.50	ppb
Antimony	121-1	4.05	4.69	4.32	4.35	7.43	ppb
Arsenic	75-2	2.00	2.00	1.91	1.97	2.83	ppb
Barium	135-1	21.23	23.00	22.34	22.19	4.01	ppb
Barium	137-1	21.26	23.90	22.17	22.44	5.99	ppb
Beryllium	9-1	2.05	2.30	2.19	2.18	5.89	ppb
Bismuth	209-1				100		%
Bismuth	209-2				106		%
Boron	10-1	49.28	59.66	55.45	54.80	9.52	ppb
Boron	11-1	52.09	61.63	59.43	57.72	8.66	ppb
Bromine	81-1						cps
Cadmium	111-1	2.56	2.68	2.48	2.58	3.89	ppb
Cadmium	106-1	6.26	3.51	4.72	4.83	28.51	ppb
Cadmium	108-1	2.61	2.29	2.16	2.35	9.88	ppb
Calcium	43-1	976.09	1108.82	982.33	1022.41	7.33	ppb
Calcium	44-1	960.75	1105.73	992.96	1019.81	7.46	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	3.92	3.85	4.01	3.92	2.01	ppb
Cobalt	59-2	1.98	1.87	2.03	1.96	4.19	ppb
Copper	63-2	3.69	3.55	3.78	3.67	3.24	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				101		%
Holmium	165-2				106		%
Indium	115-1				101		%
Indium	115-2				108		%
Iron	54-2	482.77	451.46	464.74	466.32	3.37	ppb
Iron	56-2	474.79	459.76	472.81	469.12	1.74	ppb
Iron	57-2	477.60	443.67	477.04	466.10	4.17	ppb

LB Number :	LB116309	Operator :	Jaswal
Lab Sample ID :	PB139063BS	Instrumnet Name :	P8
Client Sample ID :	LCS063	Dilution Factor :	1
Date & Time Acquired ::	2021-09-14 17:53:13	DataFile Name :	025LCSE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Krypton	83-1						cps
Lead	206-1	2.02	2.24	2.01	2.09	6.18	ppb
Lead	207-1	2.08	2.20	2.08	2.12	3.36	ppb
Lead	208-1	2.01	2.17	2.03	2.07	4.24	ppb
Lithium	6-1				102		%
Magnesium	24-2	1018.59	1014.26	1030.47	1021.10	0.82	ppb
Manganese	55-2	2.07	1.95	2.10	2.04	3.81	ppb
Molybdenum	94-1	9.80	11.10	10.86	10.59	6.57	ppb
Molybdenum	95-1	9.92	11.41	10.30	10.54	7.37	ppb
Molybdenum	96-1	9.92	11.36	10.84	10.71	6.79	ppb
Molybdenum	97-1	9.93	11.57	10.58	10.69	7.71	ppb
Molybdenum	98-1	10.13	11.50	10.54	10.72	6.55	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	1.85	1.85	1.78	1.83	2.01	ppb
Phosphorus	31-2	-7.77	-4.14	10.36	-0.52		ppb
Potassium	39-2	976.05	941.22	985.01	967.43	2.39	ppb
Rhodium	103-1				103		%
Rhodium	103-2				108		%
Scandium	45-1				102		%
Scandium	45-2				109		%
Selenium	82-1	11.13	12.11	11.46	11.57	4.33	ppb
Selenium	77-2	7.22	9.13	10.25	8.86	17.28	ppb
Selenium	78-2	9.16	9.60	9.44	9.40	2.37	ppb
Silicon	28-1	22.67	35.89	25.42	27.99	24.93	ppb
Silver	107-1	2.01	2.32	2.19	2.17	7.21	ppb
Silver	109-1	2.07	2.37	2.22	2.22	6.83	ppb
Sodium	23-2	1044.28	997.37	1042.22	1027.96	2.58	ppb
Strontium	86-1	2.03	2.48	2.19	2.23	10.23	ppb
Strontium	88-1	2.16	2.43	2.37	2.32	6.25	ppb
Sulfur	34-1	-497.50	921.83	-329.56	31.59	2455.06	ppb
Terbium	159-1				101		%
Terbium	159-2				108		%
Thallium	203-1	1.94	2.07	1.94	1.98	3.72	ppb
Thallium	205-1	1.95	2.26	2.01	2.07	7.78	ppb
Tin	118-1	10.17	11.84	10.39	10.80	8.37	ppb

LB Number :	LB116309	Operator :	Jaswal
Lab Sample ID :	PB139063BS	Instrumnet Name :	P8
Client Sample ID :	LCS063	Dilution Factor :	1
Date & Time Acquired ::	2021-09-14 17:53:13	DataFile Name :	025LCSE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Titanium	47-1	9.82	11.79	10.48	10.70	9.34	ppb
Uranium	238-1	1.88	2.05	1.93	1.96	4.50	ppb
Vanadium	51-2	9.91	9.44	9.94	9.76	2.90	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				103		%
Yttrium	89-2				110		%
Zinc	66-2	12.01	11.07	11.53	11.54	4.06	ppb
Zirconium	90-1	18.71	22.34	20.63	20.56	8.83	ppb
Zirconium	91-1	17.99	20.41	21.17	19.86	8.37	ppb

LB Number :	LB116309	Operator :	Jaswal
Lab Sample ID :	M3710-01	Instrumnet Name :	P8
Client Sample ID :	EW130	Dilution Factor :	1
Date & Time Acquired ::	2021-09-14 17:56:14	DataFile Name :	026AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	5.17	5.14	4.57	4.96	6.77	ppb
Antimony	121-1	0.03	0.03	0.03	0.03	16.94	ppb
Arsenic	75-2	1.23	1.18	1.06	1.15	7.57	ppb
Barium	135-1	21.35	22.61	22.54	22.17	3.21	ppb
Barium	137-1	21.64	23.24	23.42	22.77	4.29	ppb
Beryllium	9-1	0.00	0.01	0.00	0.00	64.23	ppb
Bismuth	209-1				102		%
Bismuth	209-2				101		%
Boron	10-1	177.92	185.47	199.84	187.74	5.93	ppb
Boron	11-1	192.71	202.61	218.29	204.54	6.31	ppb
Bromine	81-1						cps
Cadmium	111-1	0.02	0.05	0.06	0.04	51.18	ppb
Cadmium	106-1	1.04	1.24	0.26	0.85	60.78	ppb
Cadmium	108-1	1.23	1.01	0.67	0.97	29.23	ppb
Calcium	43-1	340811.92	358184.85	362600.97	353865.91	3.26	ppb
Calcium	44-1	346347.47	358426.52	367703.80	357492.59	3.00	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	3.72	3.51	3.49	3.57	3.57	ppb
Cobalt	59-2	0.89	0.78	0.82	0.83	6.51	ppb
Copper	63-2	1.30	1.11	1.16	1.19	8.23	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				107		%
Holmium	165-2				109		%
Indium	115-1				108		%
Indium	115-2				109		%
Iron	54-2	11110.72	10194.67	10159.51	10488.30	5.14	ppb
Iron	56-2	11756.40	10520.63	10448.17	10908.40	6.74	ppb
Iron	57-2	11236.34	10130.82	10137.39	10501.52	6.06	ppb

LB Number :	LB116309	Operator :	Jaswal
Lab Sample ID :	M3710-01	Instrumnet Name :	P8
Client Sample ID :	EW130	Dilution Factor :	1
Date & Time Acquired ::	2021-09-14 17:56:14	DataFile Name :	026AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Krypton	83-1						cps
Lead	206-1	0.08	0.08	0.10	0.09	9.43	ppb
Lead	207-1	0.07	0.09	0.11	0.09	26.49	ppb
Lead	208-1	0.08	0.08	0.09	0.08	7.56	ppb
Lithium	6-1				106		%
Magnesium	24-2	64675.67	60603.47	59925.83	61734.99	4.16	ppb
Manganese	55-2	255.94	231.01	232.81	239.92	5.79	ppb
Molybdenum	94-1	73.33	74.36	76.99	74.90	2.52	ppb
Molybdenum	95-1	105.34	107.21	108.71	107.09	1.58	ppb
Molybdenum	96-1	98.62	103.17	106.10	102.63	3.67	ppb
Molybdenum	97-1	105.65	107.99	111.96	108.53	2.94	ppb
Molybdenum	98-1	105.17	108.85	111.59	108.54	2.97	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	52.59	48.62	48.73	49.98	4.52	ppb
Phosphorus	31-2	35.09	21.45	47.96	34.83	38.06	ppb
Potassium	39-2	9383.58	8418.17	8498.97	8766.91	6.11	ppb
Rhodium	103-1				105		%
Rhodium	103-2				105		%
Scandium	45-1				112		%
Scandium	45-2				113		%
Selenium	82-1	0.53	0.41	0.65	0.53	22.62	ppb
Selenium	77-2	0.00	0.00	0.00	0.00	N/A	ppb
Selenium	78-2	-0.17	-0.12	-0.37	-0.22		ppb
Silicon	28-1	5474.97	5488.25	5643.98	5535.73	1.70	ppb
Silver	107-1	0.02	0.02	0.02	0.02	17.44	ppb
Silver	109-1	0.04	0.03	0.02	0.03	27.55	ppb
Sodium	23-2	98614.17	92163.84	91220.62	93999.54	4.28	ppb
Strontium	86-1	508.87	527.15	536.30	524.10	2.66	ppb
Strontium	88-1	504.10	513.29	525.03	514.14	2.04	ppb
Sulfur	34-1	322374.97	328643.44	337823.50	329613.97	2.36	ppb
Terbium	159-1				111		%
Terbium	159-2				110		%
Thallium	203-1	0.00	-0.01	-0.01	-0.01		ppb
Thallium	205-1	-0.01	-0.01	-0.01	-0.01		ppb
Tin	118-1	0.08	0.11	0.09	0.09	16.54	ppb

LB Number :	LB116309	Operator :	Jaswal
Lab Sample ID :	M3710-01	Instrumnet Name :	P8
Client Sample ID :	EW130	Dilution Factor :	1
Date & Time Acquired ::	2021-09-14 17:56:14	DataFile Name :	026AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Titanium	47-1	0.46	0.49	0.58	0.51	12.05	ppb
Uranium	238-1	2.45	2.50	2.70	2.55	5.22	ppb
Vanadium	51-2	0.15	0.16	0.15	0.15	3.27	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				111		%
Yttrium	89-2				112		%
Zinc	66-2	18.35	17.41	17.54	17.77	2.87	ppb
Zirconium	90-1	0.69	1.06	1.19	0.98	26.63	ppb
Zirconium	91-1	0.73	0.89	0.82	0.81	10.11	ppb

LB Number :	LB116309	Operator :	Jaswal
Lab Sample ID :	M3710-02	Instrumnet Name :	P8
Client Sample ID :	EW131	Dilution Factor :	1
Date & Time Acquired ::	2021-09-14 17:59:11	DataFile Name :	027AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	4.35	29.12	4.03	12.50	115.16	ppb
Antimony	121-1	0.08	0.10	0.09	0.09	11.48	ppb
Arsenic	75-2	1.63	1.57	1.64	1.61	2.36	ppb
Barium	135-1	99.69	96.24	101.32	99.08	2.62	ppb
Barium	137-1	100.20	99.89	103.41	101.17	1.93	ppb
Beryllium	9-1	0.00	0.00	0.00	0.00		ppb
Bismuth	209-1				105		%
Bismuth	209-2				101		%
Boron	10-1	221.70	232.01	238.18	230.63	3.61	ppb
Boron	11-1	233.69	251.51	254.41	246.54	4.55	ppb
Bromine	81-1						cps
Cadmium	111-1	0.04	0.07	0.05	0.05	25.10	ppb
Cadmium	106-1	1.86	-0.17	3.94	1.88	109.39	ppb
Cadmium	108-1	0.28	0.56	0.49	0.45	32.56	ppb
Calcium	43-1	109842.31	103496.29	107937.33	107091.98	3.04	ppb
Calcium	44-1	106335.12	104481.37	107136.58	105984.36	1.29	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	0.51	0.58	0.47	0.52	10.33	ppb
Cobalt	59-2	0.41	0.44	0.40	0.42	5.79	ppb
Copper	63-2	0.38	0.63	0.42	0.48	28.11	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				111		%
Holmium	165-2				107		%
Indium	115-1				110		%
Indium	115-2				110		%
Iron	54-2	196.60	212.65	209.42	206.22	4.12	ppb
Iron	56-2	197.56	221.42	200.47	206.48	6.30	ppb
Iron	57-2	206.51	223.18	209.75	213.14	4.15	ppb

LB Number :	LB116309	Operator :	Jaswal
Lab Sample ID :	M3710-02	Instrumnet Name :	P8
Client Sample ID :	EW131	Dilution Factor :	1
Date & Time Acquired ::	2021-09-14 17:59:11	DataFile Name :	027AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Krypton	83-1						cps
Lead	206-1	0.09	0.08	0.08	0.09	5.69	ppb
Lead	207-1	0.09	0.10	0.08	0.09	11.58	ppb
Lead	208-1	0.09	0.09	0.09	0.09	4.96	ppb
Lithium	6-1				107		%
Magnesium	24-2	33281.66	33478.08	33720.72	33493.49	0.66	ppb
Manganese	55-2	67.19	68.68	66.42	67.43	1.70	ppb
Molybdenum	94-1	47.46	45.20	45.46	46.04	2.68	ppb
Molybdenum	95-1	67.82	64.34	64.93	65.70	2.84	ppb
Molybdenum	96-1	65.35	62.28	62.75	63.46	2.60	ppb
Molybdenum	97-1	68.75	67.07	66.35	67.39	1.83	ppb
Molybdenum	98-1	67.27	64.84	66.66	66.26	1.91	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	3.93	3.96	3.96	3.95	0.38	ppb
Phosphorus	31-2	25.11	66.06	63.65	51.61	44.52	ppb
Potassium	39-2	4676.61	4731.35	4819.67	4742.54	1.52	ppb
Rhodium	103-1				110		%
Rhodium	103-2				108		%
Scandium	45-1				115		%
Scandium	45-2				112		%
Selenium	82-1	1.11	0.81	1.66	1.20	35.90	ppb
Selenium	77-2	0.00	0.69	0.00	0.23	173.21	ppb
Selenium	78-2	0.09	1.07	1.32	0.83	78.40	ppb
Silicon	28-1	5997.87	5589.28	6082.04	5889.73	4.48	ppb
Silver	107-1	0.01	0.00	0.00	0.00	72.32	ppb
Silver	109-1	0.01	0.02	0.00	0.01	77.48	ppb
Sodium	23-2	62333.72	62916.11	63630.85	62960.23	1.03	ppb
Strontium	86-1	283.46	274.14	271.58	276.39	2.26	ppb
Strontium	88-1	285.07	274.75	271.15	276.99	2.61	ppb
Sulfur	34-1	26871.03	25801.06	27354.83	26675.64	2.98	ppb
Terbium	159-1				113		%
Terbium	159-2				112		%
Thallium	203-1	0.01	0.01	-0.01	0.00	375.18	ppb
Thallium	205-1	0.02	0.00	0.01	0.01	90.84	ppb
Tin	118-1	0.18	0.20	0.21	0.20	6.45	ppb

LB Number :	LB116309	Operator :	Jaswal
Lab Sample ID :	M3710-02	Instrumnet Name :	P8
Client Sample ID :	EW131	Dilution Factor :	1
Date & Time Acquired ::	2021-09-14 17:59:11	DataFile Name :	027AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Titanium	47-1	0.48	0.43	0.49	0.47	6.50	ppb
Uranium	238-1	7.15	6.97	7.00	7.04	1.38	ppb
Vanadium	51-2	0.16	0.29	0.20	0.22	30.41	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				113		%
Yttrium	89-2				113		%
Zinc	66-2	10.96	12.04	11.55	11.52	4.71	ppb
Zirconium	90-1	0.53	0.45	0.46	0.48	8.44	ppb
Zirconium	91-1	0.07	0.08	0.00	0.05	86.29	ppb

LB Number :	LB116309	Operator :	Jaswal
Lab Sample ID :	M3710-03	Instrumnet Name :	P8
Client Sample ID :	EW132	Dilution Factor :	1
Date & Time Acquired ::	2021-09-14 18:02:05	DataFile Name :	028AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	23.80	24.73	23.88	24.14	2.14	ppb
Antimony	121-1	0.33	0.35	0.35	0.35	3.39	ppb
Arsenic	75-2	2.30	2.22	2.26	2.26	1.63	ppb
Barium	135-1	128.24	136.31	135.94	133.50	3.41	ppb
Barium	137-1	126.22	135.35	138.07	133.21	4.66	ppb
Beryllium	9-1	0.00	0.01	0.00	0.00	121.54	ppb
Bismuth	209-1				106		%
Bismuth	209-2				103		%
Boron	10-1	440.03	480.23	488.59	469.62	5.53	ppb
Boron	11-1	469.61	496.05	494.31	486.66	3.04	ppb
Bromine	81-1						cps
Cadmium	111-1	0.12	0.13	0.08	0.11	21.13	ppb
Cadmium	106-1	0.85	4.11	1.49	2.15	80.52	ppb
Cadmium	108-1	0.07	0.13	0.07	0.09	42.17	ppb
Calcium	43-1	143995.45	151317.49	150172.49	148495.14	2.65	ppb
Calcium	44-1	144332.39	147981.19	148788.98	147034.19	1.61	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	0.31	0.32	0.37	0.33	9.72	ppb
Cobalt	59-2	0.53	0.54	0.54	0.54	1.37	ppb
Copper	63-2	1.63	1.63	1.71	1.65	2.88	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				109		%
Holmium	165-2				107		%
Indium	115-1				108		%
Indium	115-2				110		%
Iron	54-2	1993.91	2066.38	2030.58	2030.29	1.78	ppb
Iron	56-2	2036.07	2165.17	2153.94	2118.39	3.38	ppb
Iron	57-2	1971.16	2052.19	2046.33	2023.23	2.23	ppb

LB Number :	LB116309	Operator :	Jaswal
Lab Sample ID :	M3710-03	Instrumnet Name :	P8
Client Sample ID :	EW132	Dilution Factor :	1
Date & Time Acquired ::	2021-09-14 18:02:05	DataFile Name :	028AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Krypton	83-1						cps
Lead	206-1	0.47	0.53	0.56	0.52	8.83	ppb
Lead	207-1	0.41	0.54	0.53	0.50	14.80	ppb
Lead	208-1	0.46	0.53	0.52	0.51	7.41	ppb
Lithium	6-1				108		%
Magnesium	24-2	38479.64	40399.90	39238.75	39372.76	2.46	ppb
Manganese	55-2	929.45	967.92	956.44	951.27	2.08	ppb
Molybdenum	94-1	6.70	6.77	6.74	6.74	0.51	ppb
Molybdenum	95-1	9.12	9.19	9.31	9.21	1.06	ppb
Molybdenum	96-1	8.64	8.84	9.10	8.86	2.63	ppb
Molybdenum	97-1	9.11	9.30	9.45	9.29	1.81	ppb
Molybdenum	98-1	8.98	9.06	9.51	9.18	3.10	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	3.30	3.45	3.22	3.32	3.56	ppb
Phosphorus	31-2	91.44	88.83	71.05	83.77	13.25	ppb
Potassium	39-2	12544.67	13383.48	12975.79	12967.98	3.23	ppb
Rhodium	103-1				107		%
Rhodium	103-2				107		%
Scandium	45-1				111		%
Scandium	45-2				110		%
Selenium	82-1	0.55	0.65	0.49	0.56	15.16	ppb
Selenium	77-2	0.72	0.00	0.74	0.49	86.62	ppb
Selenium	78-2	-0.26	0.02	-0.48	-0.24		ppb
Silicon	28-1	9368.18	9921.11	9725.26	9671.52	2.90	ppb
Silver	107-1	0.00	0.00	0.01	0.00	171.49	ppb
Silver	109-1	0.01	0.01	0.00	0.01	45.49	ppb
Sodium	23-2	18923.34	20091.92	19526.22	19513.83	2.99	ppb
Strontium	86-1	582.83	607.13	610.86	600.27	2.54	ppb
Strontium	88-1	568.43	593.25	603.88	588.52	3.09	ppb
Sulfur	34-1	25413.50	26429.62	25950.10	25931.07	1.96	ppb
Terbium	159-1				110		%
Terbium	159-2				108		%
Thallium	203-1	-0.02	-0.02	-0.01	-0.02		ppb
Thallium	205-1	-0.01	0.00	-0.01	-0.01		ppb
Tin	118-1	0.43	0.46	0.97	0.62	49.01	ppb

LB Number :	LB116309	Operator :	Jaswal
Lab Sample ID :	M3710-03	Instrumnet Name :	P8
Client Sample ID :	EW132	Dilution Factor :	1
Date & Time Acquired ::	2021-09-14 18:02:05	DataFile Name :	028AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Titanium	47-1	1.51	1.45	1.56	1.51	3.52	ppb
Uranium	238-1	1.39	1.49	1.48	1.45	3.62	ppb
Vanadium	51-2	0.41	0.44	0.42	0.42	3.77	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				110		%
Yttrium	89-2				108		%
Zinc	66-2	25.36	25.83	25.77	25.65	0.99	ppb
Zirconium	90-1	2.18	2.19	2.56	2.31	9.43	ppb
Zirconium	91-1	2.20	2.16	2.05	2.13	3.52	ppb

LB Number :	LB116309	Operator :	Jaswal
Lab Sample ID :	M3710-04	Instrumnet Name :	P8
Client Sample ID :	EW132D	Dilution Factor :	1
Date & Time Acquired ::	2021-09-14 18:05:01	DataFile Name :	029AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	23.20	25.28	23.57	24.02	4.63	ppb
Antimony	121-1	0.31	0.30	0.31	0.31	2.62	ppb
Arsenic	75-2	2.32	2.54	2.13	2.33	8.61	ppb
Barium	135-1	134.71	137.45	130.56	134.24	2.59	ppb
Barium	137-1	136.52	137.89	131.46	135.29	2.50	ppb
Beryllium	9-1	0.00	0.00	0.00	0.00		ppb
Bismuth	209-1				104		%
Bismuth	209-2				101		%
Boron	10-1	476.54	511.44	508.11	498.70	3.86	ppb
Boron	11-1	507.63	515.84	511.21	511.56	0.80	ppb
Bromine	81-1						cps
Cadmium	111-1	0.09	0.10	0.09	0.09	7.79	ppb
Cadmium	106-1	1.73	2.03	1.49	1.75	15.62	ppb
Cadmium	108-1	0.14	0.12	0.05	0.10	41.61	ppb
Calcium	43-1	146013.33	150500.30	143562.80	146692.14	2.40	ppb
Calcium	44-1	149599.69	150733.95	143987.28	148106.97	2.44	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	0.56	0.60	0.54	0.57	5.40	ppb
Cobalt	59-2	0.53	0.51	0.51	0.52	2.05	ppb
Copper	63-2	1.63	1.67	1.56	1.62	3.49	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				108		%
Holmium	165-2				106		%
Indium	115-1				107		%
Indium	115-2				105		%
Iron	54-2	2010.47	2095.38	2035.61	2047.16	2.13	ppb
Iron	56-2	2048.78	2161.84	2139.05	2116.56	2.82	ppb
Iron	57-2	1976.03	2083.51	2077.66	2045.73	2.95	ppb

LB Number :	LB116309	Operator :	Jaswal
Lab Sample ID :	M3710-04	Instrumnet Name :	P8
Client Sample ID :	EW132D	Dilution Factor :	1
Date & Time Acquired ::	2021-09-14 18:05:01	DataFile Name :	029AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Krypton	83-1						cps
Lead	206-1	0.44	0.42	0.45	0.44	3.59	ppb
Lead	207-1	0.40	0.37	0.41	0.39	4.57	ppb
Lead	208-1	0.41	0.41	0.41	0.41	0.57	ppb
Lithium	6-1				106		%
Magnesium	24-2	38948.93	41832.30	39395.18	40058.80	3.87	ppb
Manganese	55-2	943.12	1002.65	976.76	974.18	3.06	ppb
Molybdenum	94-1	6.69	7.12	6.66	6.82	3.77	ppb
Molybdenum	95-1	9.19	9.43	9.22	9.28	1.42	ppb
Molybdenum	96-1	9.10	9.42	8.65	9.05	4.28	ppb
Molybdenum	97-1	9.34	9.87	9.52	9.58	2.81	ppb
Molybdenum	98-1	9.10	9.52	9.40	9.34	2.29	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	3.22	3.50	3.15	3.29	5.67	ppb
Phosphorus	31-2	39.52	51.16	70.96	53.88	29.50	ppb
Potassium	39-2	12734.61	13073.15	13335.33	13047.70	2.31	ppb
Rhodium	103-1				105		%
Rhodium	103-2				103		%
Scandium	45-1				109		%
Scandium	45-2				107		%
Selenium	82-1	0.53	0.50	0.58	0.54	7.34	ppb
Selenium	77-2	0.00	0.76	0.00	0.25	173.21	ppb
Selenium	78-2	-0.08	-0.10	0.45	0.09	335.08	ppb
Silicon	28-1	9759.62	9758.57	9368.04	9628.74	2.34	ppb
Silver	107-1	0.00	0.00	0.00	0.00	1342.25	ppb
Silver	109-1	0.00	0.00	0.01	0.00	582.48	ppb
Sodium	23-2	19608.77	20481.63	19707.47	19932.62	2.40	ppb
Strontium	86-1	567.82	619.57	588.12	591.84	4.41	ppb
Strontium	88-1	576.38	603.03	574.93	584.78	2.71	ppb
Sulfur	34-1	26039.49	26487.89	24548.97	25692.12	3.95	ppb
Terbium	159-1				108		%
Terbium	159-2				106		%
Thallium	203-1	-0.01	-0.01	-0.02	-0.01		ppb
Thallium	205-1	-0.02	-0.01	-0.02	-0.02		ppb
Tin	118-1	0.46	0.58	0.47	0.50	12.83	ppb

LB Number :	LB116309	Operator :	Jaswal
Lab Sample ID :	M3710-04	Instrumnet Name :	P8
Client Sample ID :	EW132D	Dilution Factor :	1
Date & Time Acquired ::	2021-09-14 18:05:01	DataFile Name :	029AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Titanium	47-1	1.43	1.61	1.63	1.56	6.97	ppb
Uranium	238-1	1.44	1.50	1.43	1.46	2.69	ppb
Vanadium	51-2	0.39	0.41	0.44	0.42	6.12	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				108		%
Yttrium	89-2				107		%
Zinc	66-2	24.10	25.79	24.86	24.91	3.40	ppb
Zirconium	90-1	2.23	2.17	2.42	2.27	5.83	ppb
Zirconium	91-1	1.65	2.51	1.73	1.96	24.13	ppb

LB Number :	LB116309	Operator :	Jaswal
Lab Sample ID :	M3710-03LX5	Instrumnet Name :	P8
Client Sample ID :	EW132L	Dilution Factor :	5
Date & Time Acquired ::	2021-09-14 18:07:54	DataFile Name :	030AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	6.46	5.58	5.50	5.85	9.16	ppb
Antimony	121-1	0.07	0.07	0.06	0.07	8.10	ppb
Arsenic	75-2	0.42	0.42	0.51	0.45	12.12	ppb
Barium	135-1	26.04	26.15	24.45	25.55	3.71	ppb
Barium	137-1	26.20	25.92	24.71	25.61	3.09	ppb
Beryllium	9-1	0.00	0.00	0.00	0.00		ppb
Bismuth	209-1				105		%
Bismuth	209-2				100		%
Boron	10-1	153.54	153.83	138.36	148.58	5.96	ppb
Boron	11-1	159.85	167.35	144.57	157.26	7.38	ppb
Bromine	81-1						cps
Cadmium	111-1	0.02	0.02	0.03	0.02	11.77	ppb
Cadmium	106-1	2.60	2.06	2.76	2.47	14.85	ppb
Cadmium	108-1	-0.16	-0.03	-0.25	-0.15		ppb
Calcium	43-1	28693.94	28824.27	27464.37	28327.53	2.65	ppb
Calcium	44-1	29627.69	28810.72	27626.76	28688.39	3.51	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	0.09	0.08	0.06	0.07	21.41	ppb
Cobalt	59-2	0.09	0.10	0.08	0.09	12.06	ppb
Copper	63-2	0.19	0.21	0.20	0.20	4.46	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				105		%
Holmium	165-2				101		%
Indium	115-1				106		%
Indium	115-2				105		%
Iron	54-2	418.45	409.11	404.00	410.52	1.79	ppb
Iron	56-2	425.13	419.00	403.16	415.77	2.73	ppb
Iron	57-2	419.34	414.52	397.85	410.57	2.75	ppb

LB Number :	LB116309	Operator :	Jaswal
Lab Sample ID :	M3710-03LX5	Instrumnet Name :	P8
Client Sample ID :	EW132L	Dilution Factor :	5
Date & Time Acquired ::	2021-09-14 18:07:54	DataFile Name :	030AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Krypton	83-1						cps
Lead	206-1	0.10	0.10	0.08	0.10	12.71	ppb
Lead	207-1	0.09	0.08	0.09	0.09	7.57	ppb
Lead	208-1	0.09	0.09	0.09	0.09	3.18	ppb
Lithium	6-1				109		%
Magnesium	24-2	8273.17	8118.37	7992.01	8127.85	1.73	ppb
Manganese	55-2	198.29	196.21	187.14	193.88	3.06	ppb
Molybdenum	94-1	1.34	1.44	1.30	1.36	5.54	ppb
Molybdenum	95-1	1.84	1.99	1.70	1.84	7.62	ppb
Molybdenum	96-1	1.84	1.73	1.64	1.74	5.76	ppb
Molybdenum	97-1	1.85	1.91	1.73	1.83	4.91	ppb
Molybdenum	98-1	1.79	1.91	1.75	1.82	4.49	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.46	0.50	0.41	0.46	10.82	ppb
Phosphorus	31-2	20.95	25.11	3.56	16.54	69.13	ppb
Potassium	39-2	2639.49	2593.94	2457.06	2563.50	3.70	ppb
Rhodium	103-1				106		%
Rhodium	103-2				104		%
Scandium	45-1				109		%
Scandium	45-2				105		%
Selenium	82-1	0.57	0.63	0.08	0.43	70.49	ppb
Selenium	77-2	0.00	0.00	0.00	0.00	N/A	ppb
Selenium	78-2	-0.05	-0.09	-0.11	-0.09		ppb
Silicon	28-1	1945.18	1915.53	1824.29	1895.00	3.32	ppb
Silver	107-1	0.00	0.00	0.00	0.00		ppb
Silver	109-1	0.00	0.00	0.00	0.00	210.58	ppb
Sodium	23-2	4048.91	4010.16	3906.57	3988.54	1.85	ppb
Strontium	86-1	116.53	116.68	110.80	114.67	2.93	ppb
Strontium	88-1	118.89	118.23	111.93	116.35	3.30	ppb
Sulfur	34-1	6574.05	6507.71	5403.61	6161.79	10.67	ppb
Terbium	159-1				109		%
Terbium	159-2				106		%
Thallium	203-1	-0.02	-0.02	-0.03	-0.02		ppb
Thallium	205-1	-0.02	-0.03	-0.04	-0.03		ppb
Tin	118-1	0.12	0.10	0.12	0.11	8.30	ppb

LB Number :	LB116309	Operator :	Jaswal
Lab Sample ID :	M3710-03LX5	Instrumnet Name :	P8
Client Sample ID :	EW132L	Dilution Factor :	5
Date & Time Acquired ::	2021-09-14 18:07:54	DataFile Name :	030AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Titanium	47-1	0.30	0.37	0.33	0.33	9.61	ppb
Uranium	238-1	0.30	0.29	0.28	0.29	3.60	ppb
Vanadium	51-2	0.09	0.08	0.09	0.09	8.61	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				109		%
Yttrium	89-2				106		%
Zinc	66-2	6.32	6.36	6.38	6.35	0.50	ppb
Zirconium	90-1	0.56	0.54	0.42	0.51	14.63	ppb
Zirconium	91-1	0.49	0.46	0.26	0.40	30.54	ppb

LB Number :	LB116309	Operator :	Jaswal
Lab Sample ID :	M3710-05	Instrumnet Name :	P8
Client Sample ID :	EW132S	Dilution Factor :	1
Date & Time Acquired ::	2021-09-14 18:10:53	DataFile Name :	031AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	2149.75	2055.56	1923.84	2043.05	5.55	ppb
Antimony	121-1	104.22	99.10	106.86	103.40	3.82	ppb
Arsenic	75-2	45.31	44.91	42.96	44.39	2.84	ppb
Barium	135-1	2153.13	2062.98	2210.98	2142.36	3.48	ppb
Barium	137-1	2100.02	2028.40	2199.78	2109.40	4.08	ppb
Beryllium	9-1	49.14	48.15	49.87	49.05	1.76	ppb
Bismuth	209-1				106		%
Bismuth	209-2				101		%
Boron	10-1	434.22	452.94	496.12	461.09	6.88	ppb
Boron	11-1	442.53	462.75	510.43	471.90	7.39	ppb
Bromine	81-1						cps
Cadmium	111-1	52.70	48.54	54.25	51.83	5.69	ppb
Cadmium	106-1	43.40	41.65	44.81	43.29	3.65	ppb
Cadmium	108-1	45.79	43.16	45.05	44.67	3.04	ppb
Calcium	43-1	149134.04	142394.93	150544.50	147357.82	2.96	ppb
Calcium	44-1	148107.69	143432.57	150031.15	147190.47	2.31	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	204.13	199.41	185.12	196.22	5.04	ppb
Cobalt	59-2	527.00	525.29	481.62	511.30	5.03	ppb
Copper	63-2	256.96	251.48	232.35	246.93	5.23	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				110		%
Holmium	165-2				105		%
Indium	115-1				107		%
Indium	115-2				107		%
Iron	54-2	3404.60	3288.31	3071.15	3254.69	5.20	ppb
Iron	56-2	3351.46	3229.49	3023.96	3201.64	5.17	ppb
Iron	57-2	3254.35	3163.10	2893.85	3103.77	6.04	ppb

LB Number :	LB116309	Operator :	Jaswal
Lab Sample ID :	M3710-05	Instrumnet Name :	P8
Client Sample ID :	EW132S	Dilution Factor :	1
Date & Time Acquired ::	2021-09-14 18:10:53	DataFile Name :	031AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Krypton	83-1						cps
Lead	206-1	19.97	19.07	20.81	19.95	4.35	ppb
Lead	207-1	21.29	19.62	20.79	20.57	4.17	ppb
Lead	208-1	20.47	19.18	20.69	20.11	4.07	ppb
Lithium	6-1				111		%
Magnesium	24-2	42394.78	41017.47	37784.88	40399.04	5.86	ppb
Manganese	55-2	1579.20	1513.67	1434.65	1509.17	4.80	ppb
Molybdenum	94-1	80.54	77.92	81.07	79.84	2.11	ppb
Molybdenum	95-1	114.49	112.53	118.20	115.07	2.50	ppb
Molybdenum	96-1	109.01	107.57	110.73	109.11	1.45	ppb
Molybdenum	97-1	116.49	111.08	116.32	114.63	2.68	ppb
Molybdenum	98-1	114.50	111.30	118.71	114.84	3.24	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	526.32	507.28	475.37	502.99	5.12	ppb
Phosphorus	31-2	77.37	91.86	45.87	71.70	32.80	ppb
Potassium	39-2	13429.45	13348.89	12418.93	13065.76	4.30	ppb
Rhodium	103-1				109		%
Rhodium	103-2				104		%
Scandium	45-1				110		%
Scandium	45-2				108		%
Selenium	82-1	99.90	96.05	102.81	99.59	3.41	ppb
Selenium	77-2	110.32	105.63	88.95	101.64	11.05	ppb
Selenium	78-2	102.66	103.75	95.26	100.56	4.60	ppb
Silicon	28-1	9724.73	9390.02	9868.46	9661.07	2.54	ppb
Silver	107-1	31.11	29.49	32.32	30.97	4.58	ppb
Silver	109-1	31.32	30.22	32.59	31.38	3.78	ppb
Sodium	23-2	20605.58	20373.62	19138.66	20039.29	3.93	ppb
Strontium	86-1	600.88	570.70	590.57	587.38	2.61	ppb
Strontium	88-1	590.87	558.81	589.55	579.75	3.13	ppb
Sulfur	34-1	25969.51	24562.98	25572.84	25368.44	2.86	ppb
Terbium	159-1				113		%
Terbium	159-2				109		%
Thallium	203-1	51.29	49.27	52.61	51.06	3.29	ppb
Thallium	205-1	51.36	48.69	52.99	51.01	4.26	ppb
Tin	118-1	0.50	0.48	0.52	0.50	4.26	ppb

LB Number :	LB116309	Operator :	Jaswal
Lab Sample ID :	M3710-05	Instrumnet Name :	P8
Client Sample ID :	EW132S	Dilution Factor :	1
Date & Time Acquired ::	2021-09-14 18:10:53	DataFile Name :	031AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Titanium	47-1	1.61	1.62	1.57	1.60	1.55	ppb
Uranium	238-1	1.49	1.39	1.57	1.48	5.89	ppb
Vanadium	51-2	510.96	497.47	458.59	489.01	5.56	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				112		%
Yttrium	89-2				107		%
Zinc	66-2	533.63	528.10	484.35	515.36	5.24	ppb
Zirconium	90-1	2.38	2.39	2.29	2.35	2.36	ppb
Zirconium	91-1	2.12	2.11	2.12	2.12	0.48	ppb

LB Number :	LB116309	Operator :	Jaswal
Lab Sample ID :	M3713-13	Instrumnet Name :	P8
Client Sample ID :	JCF16	Dilution Factor :	1
Date & Time Acquired ::	2021-09-14 18:16:57	DataFile Name :	033AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	11.73	11.28	11.00	11.34	3.24	ppb
Antimony	121-1	0.01	0.01	0.01	0.01	25.44	ppb
Arsenic	75-2	0.00	0.01	0.00	0.01	141.97	ppb
Barium	135-1	0.32	0.27	0.28	0.29	9.63	ppb
Barium	137-1	0.32	0.34	0.35	0.34	4.85	ppb
Beryllium	9-1	-0.01	0.00	0.00	0.00		ppb
Bismuth	209-1				108		%
Bismuth	209-2				107		%
Boron	10-1	31.42	29.23	25.80	28.81	9.82	ppb
Boron	11-1	34.04	30.01	26.90	30.32	11.81	ppb
Bromine	81-1						cps
Cadmium	111-1	0.01	0.00	-0.01	0.00	658.49	ppb
Cadmium	106-1	1.82	2.97	4.56	3.11	44.24	ppb
Cadmium	108-1	-0.29	0.01	-0.07	-0.12		ppb
Calcium	43-1	59.33	55.22	53.28	55.95	5.52	ppb
Calcium	44-1	58.55	55.18	53.94	55.89	4.27	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	0.01	-0.05	0.00	-0.01		ppb
Cobalt	59-2	0.00	0.00	0.00	0.00	45.86	ppb
Copper	63-2	-0.08	-0.04	-0.06	-0.06		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				106		%
Holmium	165-2				107		%
Indium	115-1				107		%
Indium	115-2				110		%
Iron	54-2	8.10	10.27	7.84	8.74	15.27	ppb
Iron	56-2	8.75	8.97	8.90	8.88	1.30	ppb
Iron	57-2	9.25	8.99	8.21	8.82	6.15	ppb

LB Number :	LB116309	Operator :	Jaswal
Lab Sample ID :	M3713-13	Instrumnet Name :	P8
Client Sample ID :	JCF16	Dilution Factor :	1
Date & Time Acquired ::	2021-09-14 18:16:57	DataFile Name :	033AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Krypton	83-1						cps
Lead	206-1	0.33	0.29	0.33	0.32	8.05	ppb
Lead	207-1	0.40	0.34	0.35	0.36	9.82	ppb
Lead	208-1	0.34	0.29	0.33	0.32	7.26	ppb
Lithium	6-1				108		%
Magnesium	24-2	14.04	15.02	14.12	14.39	3.80	ppb
Manganese	55-2	0.86	0.91	0.89	0.89	3.26	ppb
Molybdenum	94-1	-0.04	0.02	-0.01	-0.01		ppb
Molybdenum	95-1	-0.01	0.00	0.01	0.00		ppb
Molybdenum	96-1	0.00	0.00	-0.01	0.00		ppb
Molybdenum	97-1	-0.01	0.00	0.00	0.00		ppb
Molybdenum	98-1	0.00	0.00	0.00	0.00		ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	-0.28	-0.29	-0.27	-0.28		ppb
Phosphorus	31-2	-12.43	3.94	10.15	0.56	2099.08	ppb
Potassium	39-2	13.13	14.89	16.54	14.86	11.49	ppb
Rhodium	103-1				109		%
Rhodium	103-2				109		%
Scandium	45-1				108		%
Scandium	45-2				108		%
Selenium	82-1	0.11	0.62	-0.02	0.24	140.75	ppb
Selenium	77-2	0.00	0.00	0.00	0.00	N/A	ppb
Selenium	78-2	0.06	-0.71	-0.38	-0.34		ppb
Silicon	28-1	16.64	15.04	13.59	15.09	10.13	ppb
Silver	107-1	0.01	0.01	0.01	0.01	23.89	ppb
Silver	109-1	0.01	0.02	0.01	0.01	26.72	ppb
Sodium	23-2	25.59	26.90	26.18	26.22	2.50	ppb
Strontium	86-1	0.43	0.43	0.33	0.40	15.58	ppb
Strontium	88-1	0.46	0.42	0.41	0.43	6.13	ppb
Sulfur	34-1	-382.47	-879.49	-985.31	-749.09		ppb
Terbium	159-1				108		%
Terbium	159-2				109		%
Thallium	203-1	-0.03	-0.04	-0.02	-0.03		ppb
Thallium	205-1	-0.03	-0.03	-0.03	-0.03		ppb
Tin	118-1	0.01	0.02	0.03	0.02	42.23	ppb

LB Number :	LB116309	Operator :	Jaswal
Lab Sample ID :	M3713-13	Instrumnet Name :	P8
Client Sample ID :	JCF16	Dilution Factor :	1
Date & Time Acquired ::	2021-09-14 18:16:57	DataFile Name :	033AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Titanium	47-1	0.13	0.17	0.12	0.14	20.21	ppb
Uranium	238-1	0.00	0.00	0.00	0.00		ppb
Vanadium	51-2	0.03	0.02	0.02	0.02	32.98	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				108		%
Yttrium	89-2				108		%
Zinc	66-2	1.92	2.18	1.76	1.95	10.88	ppb
Zirconium	90-1	0.02	0.01	-0.04	0.00		ppb
Zirconium	91-1	0.02	-0.27	-0.22	-0.16		ppb

LB Number :	LB116309	Operator :	Jaswal
Lab Sample ID :	M3713-01	Instrumnet Name :	P8
Client Sample ID :	JCF03	Dilution Factor :	1
Date & Time Acquired ::	2021-09-14 18:19:58	DataFile Name :	034AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	25036.89	25877.06	26571.89	25828.61	2.98	ppb
Antimony	121-1	0.31	0.44	0.40	0.38	16.66	ppb
Arsenic	75-2	20.04	19.98	21.68	20.56	4.70	ppb
Barium	135-1	168.50	171.70	172.52	170.91	1.24	ppb
Barium	137-1	169.16	171.51	171.50	170.73	0.79	ppb
Beryllium	9-1	0.82	0.88	0.85	0.85	3.65	ppb
Bismuth	209-1				112		%
Bismuth	209-2				104		%
Boron	10-1	29.76	29.71	27.72	29.06	4.01	ppb
Boron	11-1	32.00	31.14	29.37	30.84	4.35	ppb
Bromine	81-1						cps
Cadmium	111-1	0.07	0.10	0.10	0.09	20.54	ppb
Cadmium	106-1	0.47	2.54	2.70	1.90	65.54	ppb
Cadmium	108-1	0.40	0.23	0.16	0.26	47.32	ppb
Calcium	43-1	7764.99	7757.83	7806.89	7776.57	0.34	ppb
Calcium	44-1	7964.92	8061.39	8204.06	8076.79	1.49	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	34.86	34.90	36.46	35.41	2.58	ppb
Cobalt	59-2	24.97	24.82	26.62	25.47	3.91	ppb
Copper	63-2	81.66	81.30	87.01	83.32	3.84	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				110		%
Holmium	165-2				104		%
Indium	115-1				110		%
Indium	115-2				106		%
Iron	54-2	54020.69	53908.49	56878.08	54935.75	3.06	ppb
Iron	56-2	53716.03	53809.31	57916.83	55147.39	4.35	ppb
Iron	57-2	54119.09	53340.92	59851.11	55770.37	6.38	ppb

LB Number :	LB116309	Operator :	Jaswal
Lab Sample ID :	M3713-01	Instrumnet Name :	P8
Client Sample ID :	JCF03	Dilution Factor :	1
Date & Time Acquired ::	2021-09-14 18:19:58	DataFile Name :	034AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Krypton	83-1						cps
Lead	206-1	3.29	3.23	3.34	3.29	1.71	ppb
Lead	207-1	3.18	3.22	3.21	3.20	0.74	ppb
Lead	208-1	3.25	3.18	3.22	3.22	1.18	ppb
Lithium	6-1				111		%
Magnesium	24-2	5454.51	5422.89	5725.43	5534.28	3.00	ppb
Manganese	55-2	1757.38	1794.62	1871.56	1807.85	3.22	ppb
Molybdenum	94-1	3.91	3.90	3.85	3.88	0.87	ppb
Molybdenum	95-1	0.30	0.31	0.33	0.31	3.58	ppb
Molybdenum	96-1	0.86	0.85	0.80	0.83	3.74	ppb
Molybdenum	97-1	0.30	0.28	0.31	0.30	5.44	ppb
Molybdenum	98-1	0.28	0.34	0.29	0.30	10.03	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	23.57	23.46	25.03	24.02	3.64	ppb
Phosphorus	31-2	664.32	672.77	763.40	700.16	7.85	ppb
Potassium	39-2	323.82	328.04	353.14	335.00	4.73	ppb
Rhodium	103-1				111		%
Rhodium	103-2				107		%
Scandium	45-1				115		%
Scandium	45-2				108		%
Selenium	82-1	1.20	0.58	0.62	0.80	43.65	ppb
Selenium	77-2	10.75	11.26	12.86	11.62	9.46	ppb
Selenium	78-2	1.31	2.61	0.95	1.62	53.80	ppb
Silicon	28-1	1895.22	1781.87	1849.17	1842.09	3.09	ppb
Silver	107-1	0.11	0.12	0.11	0.11	6.13	ppb
Silver	109-1	0.11	0.10	0.10	0.10	5.97	ppb
Sodium	23-2	282.33	285.91	308.61	292.28	4.88	ppb
Strontium	86-1	87.18	90.47	88.24	88.63	1.90	ppb
Strontium	88-1	87.80	87.73	88.43	87.99	0.43	ppb
Sulfur	34-1	-1668.66	-1752.24	-1928.24	-1783.05		ppb
Terbium	159-1				113		%
Terbium	159-2				108		%
Thallium	203-1	0.10	0.11	0.15	0.12	26.50	ppb
Thallium	205-1	0.09	0.13	0.15	0.12	23.66	ppb
Tin	118-1	1.39	1.34	1.35	1.36	1.99	ppb

LB Number :	LB116309	Operator :	Jaswal
Lab Sample ID :	M3713-01	Instrumnet Name :	P8
Client Sample ID :	JCF03	Dilution Factor :	1
Date & Time Acquired ::	2021-09-14 18:19:58	DataFile Name :	034AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Titanium	47-1	210.77	212.44	215.02	212.74	1.01	ppb
Uranium	238-1	0.22	0.20	0.21	0.21	4.54	ppb
Vanadium	51-2	105.04	105.16	111.17	107.12	3.27	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				112		%
Yttrium	89-2				109		%
Zinc	66-2	117.74	118.38	126.39	120.84	3.99	ppb
Zirconium	90-1	23.66	23.95	23.47	23.69	1.03	ppb
Zirconium	91-1	25.24	23.64	25.15	24.68	3.65	ppb

LB Number :	LB116309	Operator :	Jaswal
Lab Sample ID :	M3713-02	Instrumnet Name :	P8
Client Sample ID :	JCF03D	Dilution Factor :	1
Date & Time Acquired ::	2021-09-14 18:22:53	DataFile Name :	035AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	24839.65	24194.78	24822.84	24619.09	1.49	ppb
Antimony	121-1	0.50	0.54	0.54	0.53	4.85	ppb
Arsenic	75-2	19.85	19.39	19.43	19.56	1.29	ppb
Barium	135-1	160.58	168.26	168.29	165.71	2.68	ppb
Barium	137-1	158.83	171.48	166.60	165.64	3.85	ppb
Beryllium	9-1	0.83	0.83	0.89	0.85	3.92	ppb
Bismuth	209-1				111		%
Bismuth	209-2				104		%
Boron	10-1	21.26	21.33	21.26	21.28	0.18	ppb
Boron	11-1	22.32	21.73	22.86	22.31	2.54	ppb
Bromine	81-1						cps
Cadmium	111-1	0.08	0.14	0.15	0.12	28.87	ppb
Cadmium	106-1	-0.18	0.29	0.17	0.09	269.73	ppb
Cadmium	108-1	0.55	0.28	0.22	0.35	49.56	ppb
Calcium	43-1	8140.29	7972.23	8124.93	8079.15	1.15	ppb
Calcium	44-1	8098.36	8169.66	8208.90	8158.97	0.69	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	33.26	33.01	32.93	33.07	0.52	ppb
Cobalt	59-2	23.67	23.39	24.09	23.72	1.49	ppb
Copper	63-2	82.57	81.40	81.82	81.93	0.72	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				110		%
Holmium	165-2				105		%
Indium	115-1				111		%
Indium	115-2				106		%
Iron	54-2	51950.58	51660.07	51559.12	51723.25	0.39	ppb
Iron	56-2	53138.96	52003.40	52674.08	52605.48	1.09	ppb
Iron	57-2	54079.28	51543.43	53264.66	52962.46	2.44	ppb

LB Number :	LB116309	Operator :	Jaswal
Lab Sample ID :	M3713-02	Instrumnet Name :	P8
Client Sample ID :	JCF03D	Dilution Factor :	1
Date & Time Acquired ::	2021-09-14 18:22:53	DataFile Name :	035AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Krypton	83-1						cps
Lead	206-1	3.16	3.33	3.48	3.32	4.78	ppb
Lead	207-1	3.06	3.11	3.38	3.18	5.41	ppb
Lead	208-1	3.11	3.23	3.45	3.26	5.37	ppb
Lithium	6-1				110		%
Magnesium	24-2	5329.60	5352.42	5295.06	5325.69	0.54	ppb
Manganese	55-2	1611.50	1556.94	1579.11	1582.52	1.73	ppb
Molybdenum	94-1	3.96	3.93	4.30	4.06	5.04	ppb
Molybdenum	95-1	0.23	0.29	0.31	0.28	14.67	ppb
Molybdenum	96-1	0.81	0.89	0.87	0.86	4.86	ppb
Molybdenum	97-1	0.27	0.28	0.25	0.27	6.39	ppb
Molybdenum	98-1	0.29	0.26	0.29	0.28	7.10	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	21.94	21.80	21.62	21.79	0.72	ppb
Phosphorus	31-2	671.86	682.41	670.28	674.85	0.98	ppb
Potassium	39-2	320.86	312.17	317.59	316.87	1.38	ppb
Rhodium	103-1				111		%
Rhodium	103-2				108		%
Scandium	45-1				113		%
Scandium	45-2				110		%
Selenium	82-1	0.64	0.56	1.08	0.76	36.93	ppb
Selenium	77-2	10.71	11.46	15.28	12.48	19.63	ppb
Selenium	78-2	2.61	2.63	2.70	2.65	1.77	ppb
Silicon	28-1	1962.18	1973.68	1963.53	1966.46	0.32	ppb
Silver	107-1	0.15	0.21	0.26	0.20	27.95	ppb
Silver	109-1	0.17	0.21	0.26	0.21	21.74	ppb
Sodium	23-2	296.39	303.22	304.83	301.48	1.49	ppb
Strontium	86-1	83.12	85.53	88.50	85.72	3.15	ppb
Strontium	88-1	86.49	88.36	88.76	87.87	1.38	ppb
Sulfur	34-1	-1936.61	-2160.42	-2117.77	-2071.60		ppb
Terbium	159-1				112		%
Terbium	159-2				107		%
Thallium	203-1	0.16	0.20	0.22	0.19	16.38	ppb
Thallium	205-1	0.15	0.20	0.22	0.19	18.59	ppb
Tin	118-1	1.32	1.47	1.43	1.40	5.62	ppb

LB Number :	LB116309	Operator :	Jaswal
Lab Sample ID :	M3713-02	Instrumnet Name :	P8
Client Sample ID :	JCF03D	Dilution Factor :	1
Date & Time Acquired ::	2021-09-14 18:22:53	DataFile Name :	035AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Titanium	47-1	233.10	232.43	235.52	233.68	0.70	ppb
Uranium	238-1	0.21	0.22	0.20	0.21	3.78	ppb
Vanadium	51-2	104.71	104.49	105.02	104.74	0.26	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				114		%
Yttrium	89-2				110		%
Zinc	66-2	109.98	109.91	107.68	109.19	1.20	ppb
Zirconium	90-1	24.97	24.49	25.21	24.89	1.49	ppb
Zirconium	91-1	23.93	24.38	25.68	24.66	3.70	ppb

LB Number :	LB116309	Operator :	Jaswal
Lab Sample ID :	M3713-01LX5	Instrumnet Name :	P8
Client Sample ID :	JCF03L	Dilution Factor :	5
Date & Time Acquired ::	2021-09-14 18:25:46	DataFile Name :	036AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	4953.33	4899.35	4809.82	4887.50	1.48	ppb
Antimony	121-1	0.11	0.11	0.12	0.11	7.04	ppb
Arsenic	75-2	4.21	4.09	3.87	4.06	4.17	ppb
Barium	135-1	33.30	32.98	32.61	32.96	1.04	ppb
Barium	137-1	34.05	33.06	32.71	33.27	2.10	ppb
Beryllium	9-1	0.15	0.15	0.15	0.15	1.32	ppb
Bismuth	209-1				108		%
Bismuth	209-2				102		%
Boron	10-1	13.66	13.34	13.70	13.57	1.47	ppb
Boron	11-1	14.41	14.36	14.00	14.26	1.57	ppb
Bromine	81-1						cps
Cadmium	111-1	0.02	0.04	0.04	0.03	29.97	ppb
Cadmium	106-1	-1.46	0.80	1.57	0.30	516.51	ppb
Cadmium	108-1	0.01	-0.09	-0.08	-0.05		ppb
Calcium	43-1	1615.50	1555.06	1562.23	1577.59	2.09	ppb
Calcium	44-1	1604.73	1564.48	1561.43	1576.88	1.53	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	7.00	7.11	6.62	6.91	3.67	ppb
Cobalt	59-2	5.12	5.08	4.83	5.01	3.16	ppb
Copper	63-2	16.74	16.53	15.77	16.35	3.11	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				108		%
Holmium	165-2				103		%
Indium	115-1				109		%
Indium	115-2				105		%
Iron	54-2	10604.88	10574.27	10143.28	10440.81	2.47	ppb
Iron	56-2	11153.47	10866.84	10476.40	10832.23	3.14	ppb
Iron	57-2	10482.76	10483.20	10098.00	10354.65	2.15	ppb

LB Number :	LB116309	Operator :	Jaswal
Lab Sample ID :	M3713-01LX5	Instrumnet Name :	P8
Client Sample ID :	JCF03L	Dilution Factor :	5
Date & Time Acquired ::	2021-09-14 18:25:46	DataFile Name :	036AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Krypton	83-1						cps
Lead	206-1	0.77	0.71	0.71	0.73	4.53	ppb
Lead	207-1	0.74	0.65	0.67	0.68	6.80	ppb
Lead	208-1	0.73	0.70	0.69	0.71	3.30	ppb
Lithium	6-1				109		%
Magnesium	24-2	1084.06	1089.58	1058.95	1077.53	1.52	ppb
Manganese	55-2	344.69	346.14	333.76	341.53	1.98	ppb
Molybdenum	94-1	0.72	0.69	0.73	0.71	3.13	ppb
Molybdenum	95-1	0.06	0.04	0.07	0.06	23.09	ppb
Molybdenum	96-1	0.14	0.15	0.12	0.14	9.39	ppb
Molybdenum	97-1	0.03	0.06	0.05	0.05	30.87	ppb
Molybdenum	98-1	0.04	0.03	0.05	0.04	22.57	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	4.64	4.51	4.40	4.52	2.72	ppb
Phosphorus	31-2	123.81	121.44	125.74	123.66	1.74	ppb
Potassium	39-2	76.39	69.02	67.00	70.80	6.98	ppb
Rhodium	103-1				111		%
Rhodium	103-2				106		%
Scandium	45-1				112		%
Scandium	45-2				106		%
Selenium	82-1	-0.37	0.99	0.25	0.29	235.60	ppb
Selenium	77-2	3.05	1.52	2.17	2.25	34.21	ppb
Selenium	78-2	-0.50	0.10	0.06	-0.12		ppb
Silicon	28-1	370.02	357.84	354.99	360.95	2.21	ppb
Silver	107-1	0.08	0.09	0.08	0.08	11.38	ppb
Silver	109-1	0.08	0.08	0.08	0.08	1.85	ppb
Sodium	23-2	92.63	89.97	89.27	90.62	1.96	ppb
Strontium	86-1	17.06	17.62	17.59	17.42	1.81	ppb
Strontium	88-1	17.73	17.50	17.33	17.52	1.15	ppb
Sulfur	34-1	-2213.62	-2480.18	-2439.29	-2377.70		ppb
Terbium	159-1				112		%
Terbium	159-2				106		%
Thallium	203-1	0.04	0.02	0.01	0.02	56.36	ppb
Thallium	205-1	0.03	0.02	0.02	0.02	23.40	ppb
Tin	118-1	0.26	0.25	0.25	0.26	1.97	ppb

LB Number :	LB116309	Operator :	Jaswal
Lab Sample ID :	M3713-01LX5	Instrumnet Name :	P8
Client Sample ID :	JCF03L	Dilution Factor :	5
Date & Time Acquired ::	2021-09-14 18:25:46	DataFile Name :	036AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Titanium	47-1	44.20	42.59	42.92	43.24	1.97	ppb
Uranium	238-1	0.04	0.04	0.04	0.04	7.32	ppb
Vanadium	51-2	21.45	21.42	20.48	21.11	2.62	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				112		%
Yttrium	89-2				106		%
Zinc	66-2	23.93	23.62	23.52	23.69	0.90	ppb
Zirconium	90-1	4.60	4.76	4.78	4.71	2.08	ppb
Zirconium	91-1	5.23	4.44	4.15	4.61	12.18	ppb

LB Number :	LB116309	Operator :	Jaswal
Lab Sample ID :	M3713-03	Instrumnet Name :	P8
Client Sample ID :	JCF03S	Dilution Factor :	1
Date & Time Acquired ::	2021-09-14 18:28:48	DataFile Name :	037AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	27725.39	26452.31	26870.87	27016.19	2.40	ppb
Antimony	121-1	15.42	15.27	14.93	15.21	1.66	ppb
Arsenic	75-2	23.14	22.78	23.10	23.01	0.86	ppb
Barium	135-1	568.76	547.37	540.03	552.05	2.70	ppb
Barium	137-1	582.05	543.70	549.93	558.56	3.68	ppb
Beryllium	9-1	10.84	10.76	10.38	10.66	2.33	ppb
Bismuth	209-1				112		%
Bismuth	209-2				103		%
Boron	10-1	15.59	15.80	14.85	15.42	3.23	ppb
Boron	11-1	15.65	16.30	16.12	16.02	2.10	ppb
Bromine	81-1						cps
Cadmium	111-1	11.17	10.58	10.18	10.64	4.64	ppb
Cadmium	106-1	8.23	7.91	8.83	8.32	5.64	ppb
Cadmium	108-1	8.97	9.89	9.85	9.57	5.43	ppb
Calcium	43-1	8745.25	8413.52	8482.48	8547.09	2.05	ppb
Calcium	44-1	8832.46	8477.32	8594.34	8634.71	2.10	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	69.15	67.55	66.95	67.89	1.67	ppb
Cobalt	59-2	126.04	120.91	122.14	123.03	2.18	ppb
Copper	63-2	145.86	142.52	142.78	143.72	1.29	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				112		%
Holmium	165-2				104		%
Indium	115-1				112		%
Indium	115-2				106		%
Iron	54-2	48181.73	48107.44	48168.27	48152.48	0.08	ppb
Iron	56-2	49312.99	48693.52	47627.42	48544.65	1.76	ppb
Iron	57-2	50625.86	47603.95	47903.06	48710.96	3.42	ppb

LB Number :	LB116309	Operator :	Jaswal
Lab Sample ID :	M3713-03	Instrumnet Name :	P8
Client Sample ID :	JCF03S	Dilution Factor :	1
Date & Time Acquired ::	2021-09-14 18:28:48	DataFile Name :	037AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Krypton	83-1						cps
Lead	206-1	6.79	6.53	6.50	6.61	2.38	ppb
Lead	207-1	6.87	6.58	6.66	6.70	2.20	ppb
Lead	208-1	6.80	6.46	6.61	6.62	2.51	ppb
Lithium	6-1				114		%
Magnesium	24-2	6091.64	6080.83	6226.88	6133.12	1.33	ppb
Manganese	55-2	1072.33	1082.72	1058.96	1071.34	1.11	ppb
Molybdenum	94-1	3.88	3.79	3.90	3.86	1.53	ppb
Molybdenum	95-1	0.25	0.24	0.27	0.25	4.78	ppb
Molybdenum	96-1	0.85	0.79	0.79	0.81	4.50	ppb
Molybdenum	97-1	0.23	0.24	0.26	0.24	7.15	ppb
Molybdenum	98-1	0.23	0.25	0.24	0.24	5.13	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	122.26	122.72	119.97	121.65	1.21	ppb
Phosphorus	31-2	657.11	603.57	574.04	611.57	6.89	ppb
Potassium	39-2	291.63	294.51	293.84	293.32	0.51	ppb
Rhodium	103-1				113		%
Rhodium	103-2				107		%
Scandium	45-1				116		%
Scandium	45-2				108		%
Selenium	82-1	18.77	18.34	17.96	18.36	2.20	ppb
Selenium	77-2	40.61	22.71	34.60	32.64	27.91	ppb
Selenium	78-2	21.93	18.56	19.24	19.91	8.96	ppb
Silicon	28-1	2197.07	2067.35	2268.63	2177.68	4.69	ppb
Silver	107-1	6.73	6.48	6.47	6.56	2.24	ppb
Silver	109-1	6.76	6.51	6.47	6.58	2.34	ppb
Sodium	23-2	362.78	359.00	360.37	360.72	0.53	ppb
Strontium	86-1	81.06	78.46	78.60	79.37	1.84	ppb
Strontium	88-1	85.18	79.84	80.87	81.96	3.45	ppb
Sulfur	34-1	-2556.98	-2607.89	-2590.20	-2585.02		ppb
Terbium	159-1				116		%
Terbium	159-2				107		%
Thallium	203-1	9.38	9.13	9.24	9.25	1.36	ppb
Thallium	205-1	9.58	9.13	9.36	9.36	2.39	ppb
Tin	118-1	1.44	1.29	1.37	1.37	5.60	ppb

LB Number :	LB116309	Operator :	Jaswal
Lab Sample ID :	M3713-03	Instrumnet Name :	P8
Client Sample ID :	JCF03S	Dilution Factor :	1
Date & Time Acquired ::	2021-09-14 18:28:48	DataFile Name :	037AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Titanium	47-1	262.67	253.47	251.70	255.95	2.30	ppb
Uranium	238-1	0.19	0.19	0.20	0.19	5.11	ppb
Vanadium	51-2	198.50	194.17	192.66	195.11	1.55	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				116		%
Yttrium	89-2				108		%
Zinc	66-2	240.16	231.61	237.89	236.55	1.87	ppb
Zirconium	90-1	24.57	23.51	23.51	23.86	2.57	ppb
Zirconium	91-1	23.59	23.48	23.60	23.56	0.28	ppb

LB Number :	LB116309	Operator :	Jaswal
Lab Sample ID :	M3713-04	Instrumnet Name :	P8
Client Sample ID :	JCF04	Dilution Factor :	1
Date & Time Acquired ::	2021-09-14 18:31:41	DataFile Name :	038AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	31067.35	30309.88	31239.47	30872.23	1.60	ppb
Antimony	121-1	1.57	1.50	1.52	1.53	2.41	ppb
Arsenic	75-2	42.92	41.66	44.19	42.92	2.95	ppb
Barium	135-1	206.57	202.78	210.15	206.50	1.78	ppb
Barium	137-1	207.41	204.78	210.75	207.65	1.44	ppb
Beryllium	9-1	1.02	1.02	1.06	1.03	2.27	ppb
Bismuth	209-1				108		%
Bismuth	209-2				100		%
Boron	10-1	14.88	14.74	15.24	14.95	1.72	ppb
Boron	11-1	15.82	16.00	16.29	16.04	1.47	ppb
Bromine	81-1						cps
Cadmium	111-1	0.09	0.07	0.08	0.08	15.65	ppb
Cadmium	106-1	1.34	3.05	1.94	2.11	41.06	ppb
Cadmium	108-1	1.05	0.66	0.75	0.82	24.78	ppb
Calcium	43-1	9152.30	8789.67	8733.42	8891.80	2.56	ppb
Calcium	44-1	9307.44	8949.71	8937.23	9064.79	2.32	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	35.66	34.60	35.92	35.39	1.97	ppb
Cobalt	59-2	29.07	27.63	29.07	28.59	2.90	ppb
Copper	63-2	103.69	98.71	105.60	102.67	3.47	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				110		%
Holmium	165-2				104		%
Indium	115-1				110		%
Indium	115-2				103		%
Iron	54-2	71317.50	67267.30	73213.00	70599.26	4.30	ppb
Iron	56-2	73816.53	70473.32	73836.69	72708.85	2.66	ppb
Iron	57-2	73199.68	70636.50	73023.19	72286.46	1.98	ppb

LB Number :	LB116309	Operator :	Jaswal
Lab Sample ID :	M3713-04	Instrumnet Name :	P8
Client Sample ID :	JCF04	Dilution Factor :	1
Date & Time Acquired ::	2021-09-14 18:31:41	DataFile Name :	038AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Krypton	83-1						cps
Lead	206-1	5.62	5.29	5.33	5.41	3.30	ppb
Lead	207-1	5.48	5.17	5.19	5.28	3.29	ppb
Lead	208-1	5.46	5.16	5.28	5.30	2.78	ppb
Lithium	6-1				111		%
Magnesium	24-2	9245.59	8853.54	9250.90	9116.68	2.50	ppb
Manganese	55-2	1005.31	971.12	1049.79	1008.74	3.91	ppb
Molybdenum	94-1	9.62	9.23	9.25	9.37	2.33	ppb
Molybdenum	95-1	0.41	0.46	0.45	0.44	5.55	ppb
Molybdenum	96-1	1.81	1.71	1.72	1.75	3.18	ppb
Molybdenum	97-1	0.46	0.40	0.47	0.44	8.15	ppb
Molybdenum	98-1	0.45	0.40	0.44	0.43	6.07	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	26.17	25.59	26.47	26.08	1.71	ppb
Phosphorus	31-2	976.81	1017.62	1109.95	1034.79	6.59	ppb
Potassium	39-2	598.04	575.13	621.22	598.13	3.85	ppb
Rhodium	103-1				110		%
Rhodium	103-2				104		%
Scandium	45-1				115		%
Scandium	45-2				109		%
Selenium	82-1	0.37	0.77	0.71	0.62	34.75	ppb
Selenium	77-2	17.41	23.93	20.24	20.53	15.93	ppb
Selenium	78-2	3.02	3.89	2.76	3.22	18.33	ppb
Silicon	28-1	1839.93	1763.33	1751.23	1784.83	2.69	ppb
Silver	107-1	0.18	0.19	0.19	0.19	5.83	ppb
Silver	109-1	0.17	0.18	0.21	0.19	9.13	ppb
Sodium	23-2	409.34	397.19	418.15	408.22	2.58	ppb
Strontium	86-1	118.88	116.24	118.86	117.99	1.29	ppb
Strontium	88-1	120.61	117.41	119.86	119.30	1.40	ppb
Sulfur	34-1	-2193.99	-2565.59	-2577.51	-2445.70		ppb
Terbium	159-1				112		%
Terbium	159-2				104		%
Thallium	203-1	0.06	0.04	0.09	0.06	35.03	ppb
Thallium	205-1	0.07	0.08	0.08	0.08	9.28	ppb
Tin	118-1	1.32	1.35	1.48	1.38	5.99	ppb

LB Number :	LB116309	Operator :	Jaswal
Lab Sample ID :	M3713-04	Instrumnet Name :	P8
Client Sample ID :	JCF04	Dilution Factor :	1
Date & Time Acquired ::	2021-09-14 18:31:41	DataFile Name :	038AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Titanium	47-1	749.81	718.01	718.30	728.70	2.51	ppb
Uranium	238-1	0.32	0.32	0.33	0.32	0.73	ppb
Vanadium	51-2	150.73	144.22	152.75	149.24	2.99	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				114		%
Yttrium	89-2				104		%
Zinc	66-2	142.20	137.72	143.44	141.12	2.13	ppb
Zirconium	90-1	60.44	57.79	57.31	58.51	2.89	ppb
Zirconium	91-1	58.14	57.67	56.28	57.37	1.69	ppb

LB Number :	LB116309	Operator :	Jaswal
Lab Sample ID :	M3713-05	Instrumnet Name :	P8
Client Sample ID :	JCF05	Dilution Factor :	1
Date & Time Acquired ::	2021-09-14 18:34:38	DataFile Name :	039AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	28665.28	27389.53	26287.95	27447.59	4.33	ppb
Antimony	121-1	0.87	0.89	0.82	0.86	4.05	ppb
Arsenic	75-2	41.20	40.31	40.04	40.52	1.50	ppb
Barium	135-1	207.64	190.47	193.22	197.11	4.68	ppb
Barium	137-1	206.77	192.44	195.04	198.08	3.85	ppb
Beryllium	9-1	1.20	1.17	1.05	1.14	7.22	ppb
Bismuth	209-1				111		%
Bismuth	209-2				104		%
Boron	10-1	14.73	14.46	13.94	14.38	2.81	ppb
Boron	11-1	15.41	15.47	14.56	15.15	3.39	ppb
Bromine	81-1						cps
Cadmium	111-1	0.10	0.09	0.10	0.10	7.09	ppb
Cadmium	106-1	2.03	1.39	1.36	1.59	23.82	ppb
Cadmium	108-1	0.42	0.20	0.31	0.31	35.13	ppb
Calcium	43-1	9201.00	8914.42	8749.82	8955.08	2.55	ppb
Calcium	44-1	9356.75	9079.18	8592.60	9009.51	4.29	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	31.95	31.06	31.28	31.43	1.48	ppb
Cobalt	59-2	27.80	27.19	26.83	27.27	1.80	ppb
Copper	63-2	100.87	96.35	98.22	98.48	2.31	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				113		%
Holmium	165-2				106		%
Indium	115-1				114		%
Indium	115-2				107		%
Iron	54-2	71650.71	68876.44	71106.55	70544.57	2.08	ppb
Iron	56-2	72889.12	71703.34	71450.11	72014.19	1.07	ppb
Iron	57-2	71112.89	70678.24	70054.74	70615.29	0.75	ppb

LB Number :	LB116309	Operator :	Jaswal
Lab Sample ID :	M3713-05	Instrumnet Name :	P8
Client Sample ID :	JCF05	Dilution Factor :	1
Date & Time Acquired ::	2021-09-14 18:34:38	DataFile Name :	039AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Krypton	83-1						cps
Lead	206-1	5.52	5.60	5.40	5.51	1.77	ppb
Lead	207-1	5.37	5.29	5.14	5.27	2.27	ppb
Lead	208-1	5.42	5.49	5.26	5.39	2.16	ppb
Lithium	6-1				115		%
Magnesium	24-2	7393.72	7166.18	6965.79	7175.23	2.98	ppb
Manganese	55-2	1026.67	1034.85	981.42	1014.31	2.84	ppb
Molybdenum	94-1	5.04	4.89	4.91	4.95	1.62	ppb
Molybdenum	95-1	0.46	0.44	0.45	0.45	2.71	ppb
Molybdenum	96-1	1.17	1.22	1.06	1.15	6.83	ppb
Molybdenum	97-1	0.43	0.43	0.48	0.45	7.47	ppb
Molybdenum	98-1	0.44	0.45	0.41	0.44	5.46	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	23.22	23.15	22.78	23.05	1.04	ppb
Phosphorus	31-2	995.39	1051.91	1025.33	1024.21	2.76	ppb
Potassium	39-2	510.92	489.63	478.05	492.87	3.38	ppb
Rhodium	103-1				114		%
Rhodium	103-2				109		%
Scandium	45-1				117		%
Scandium	45-2				111		%
Selenium	82-1	1.19	0.37	0.89	0.82	50.64	ppb
Selenium	77-2	24.24	25.63	17.41	22.43	19.61	ppb
Selenium	78-2	3.20	4.93	4.22	4.12	21.09	ppb
Silicon	28-1	1510.24	1455.36	1413.35	1459.65	3.33	ppb
Silver	107-1	0.13	0.16	0.14	0.14	10.16	ppb
Silver	109-1	0.13	0.15	0.15	0.14	7.37	ppb
Sodium	23-2	402.37	387.56	381.63	390.52	2.74	ppb
Strontium	86-1	116.76	116.63	112.80	115.40	1.95	ppb
Strontium	88-1	121.09	117.93	114.17	117.73	2.95	ppb
Sulfur	34-1	-2299.56	-2600.69	-2804.54	-2568.26		ppb
Terbium	159-1				116		%
Terbium	159-2				108		%
Thallium	203-1	0.06	0.04	0.04	0.04	21.76	ppb
Thallium	205-1	0.03	0.05	0.04	0.04	20.94	ppb
Tin	118-1	1.29	1.28	1.27	1.28	0.57	ppb

LB Number :	LB116309	Operator :	Jaswal
Lab Sample ID :	M3713-05	Instrumnet Name :	P8
Client Sample ID :	JCF05	Dilution Factor :	1
Date & Time Acquired ::	2021-09-14 18:34:38	DataFile Name :	039AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Titanium	47-1	503.11	485.44	470.65	486.40	3.34	ppb
Uranium	238-1	0.35	0.37	0.35	0.36	2.20	ppb
Vanadium	51-2	145.28	141.24	140.38	142.30	1.84	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				118		%
Yttrium	89-2				108		%
Zinc	66-2	148.02	142.46	142.27	144.25	2.27	ppb
Zirconium	90-1	30.11	30.44	28.70	29.75	3.10	ppb
Zirconium	91-1	29.45	30.93	28.42	29.60	4.26	ppb

LB Number :	LB116309	Operator :	Jaswal
Lab Sample ID :	M3713-06	Instrumnet Name :	P8
Client Sample ID :	JCF06	Dilution Factor :	1
Date & Time Acquired ::	2021-09-14 18:37:33	DataFile Name :	040AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	20786.46	21427.24	21389.05	21200.92	1.70	ppb
Antimony	121-1	0.22	0.28	0.27	0.26	11.95	ppb
Arsenic	75-2	5.41	5.35	5.45	5.40	0.97	ppb
Barium	135-1	134.21	135.65	141.04	136.97	2.63	ppb
Barium	137-1	135.14	139.62	140.84	138.53	2.17	ppb
Beryllium	9-1	0.63	0.70	0.69	0.67	5.47	ppb
Bismuth	209-1				111		%
Bismuth	209-2				105		%
Boron	10-1	9.89	10.91	10.75	10.52	5.21	ppb
Boron	11-1	10.59	11.32	11.30	11.07	3.74	ppb
Bromine	81-1						cps
Cadmium	111-1	0.08	0.06	0.06	0.07	9.32	ppb
Cadmium	106-1	-0.81	-2.04	-0.53	-1.13		ppb
Cadmium	108-1	0.28	0.64	0.82	0.58	48.03	ppb
Calcium	43-1	6290.45	6376.06	6537.93	6401.48	1.96	ppb
Calcium	44-1	6426.56	6459.53	6708.96	6531.68	2.36	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	23.44	23.73	24.37	23.85	1.98	ppb
Cobalt	59-2	14.14	14.32	15.31	14.59	4.32	ppb
Copper	63-2	64.63	66.07	68.71	66.47	3.11	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				112		%
Holmium	165-2				108		%
Indium	115-1				113		%
Indium	115-2				108		%
Iron	54-2	40589.65	40054.79	42376.77	41007.07	2.97	ppb
Iron	56-2	39231.93	40281.38	41596.49	40369.93	2.93	ppb
Iron	57-2	40443.15	40732.38	42496.69	41224.07	2.70	ppb

LB Number :	LB116309	Operator :	Jaswal
Lab Sample ID :	M3713-06	Instrumnet Name :	P8
Client Sample ID :	JCF06	Dilution Factor :	1
Date & Time Acquired ::	2021-09-14 18:37:33	DataFile Name :	040AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Krypton	83-1						cps
Lead	206-1	3.47	3.81	3.81	3.70	5.25	ppb
Lead	207-1	3.48	3.59	3.66	3.58	2.51	ppb
Lead	208-1	3.42	3.63	3.74	3.60	4.49	ppb
Lithium	6-1				116		%
Magnesium	24-2	5392.14	5591.31	5622.46	5535.30	2.26	ppb
Manganese	55-2	404.33	413.96	427.83	415.37	2.84	ppb
Molybdenum	94-1	8.54	8.46	8.50	8.50	0.46	ppb
Molybdenum	95-1	0.27	0.26	0.22	0.25	10.72	ppb
Molybdenum	96-1	1.30	1.43	1.30	1.34	5.30	ppb
Molybdenum	97-1	0.23	0.23	0.28	0.25	12.07	ppb
Molybdenum	98-1	0.25	0.25	0.23	0.24	4.12	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	15.98	16.16	16.92	16.35	3.03	ppb
Phosphorus	31-2	529.38	507.33	568.58	535.10	5.80	ppb
Potassium	39-2	439.26	464.26	495.48	466.33	6.04	ppb
Rhodium	103-1				113		%
Rhodium	103-2				109		%
Scandium	45-1				116		%
Scandium	45-2				111		%
Selenium	82-1	0.52	0.68	0.87	0.69	24.93	ppb
Selenium	77-2	15.71	13.80	14.02	14.51	7.23	ppb
Selenium	78-2	1.23	2.44	2.77	2.15	37.70	ppb
Silicon	28-1	1884.03	1862.12	1937.26	1894.47	2.04	ppb
Silver	107-1	0.13	0.14	0.12	0.13	8.93	ppb
Silver	109-1	0.12	0.12	0.15	0.13	10.24	ppb
Sodium	23-2	292.23	290.40	298.69	293.77	1.48	ppb
Strontium	86-1	100.44	105.95	103.38	103.26	2.67	ppb
Strontium	88-1	103.84	108.14	109.15	107.04	2.64	ppb
Sulfur	34-1	-2943.60	-2900.24	-2661.00	-2834.95		ppb
Terbium	159-1				114		%
Terbium	159-2				107		%
Thallium	203-1	0.00	0.00	0.04	0.01	202.60	ppb
Thallium	205-1	0.01	0.02	0.03	0.02	32.86	ppb
Tin	118-1	1.18	1.18	1.20	1.19	1.00	ppb

LB Number :	LB116309	Operator :	Jaswal
Lab Sample ID :	M3713-06	Instrumnet Name :	P8
Client Sample ID :	JCF06	Dilution Factor :	1
Date & Time Acquired ::	2021-09-14 18:37:33	DataFile Name :	040AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Titanium	47-1	890.14	877.56	894.53	887.41	0.99	ppb
Uranium	238-1	0.25	0.27	0.28	0.27	5.62	ppb
Vanadium	51-2	99.04	98.96	104.56	100.85	3.18	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				116		%
Yttrium	89-2				109		%
Zinc	66-2	101.07	99.73	104.53	101.78	2.43	ppb
Zirconium	90-1	50.29	53.30	53.67	52.42	3.53	ppb
Zirconium	91-1	50.74	52.19	52.48	51.81	1.80	ppb

LB Number :	LB116309	Operator :	Jaswal
Lab Sample ID :	M3713-07	Instrumnet Name :	P8
Client Sample ID :	JCF08	Dilution Factor :	1
Date & Time Acquired ::	2021-09-14 18:40:29	DataFile Name :	041AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	34213.60	34495.26	35265.49	34658.12	1.57	ppb
Antimony	121-1	0.71	0.64	0.62	0.66	6.79	ppb
Arsenic	75-2	22.73	22.92	22.77	22.81	0.43	ppb
Barium	135-1	248.04	253.09	251.91	251.01	1.05	ppb
Barium	137-1	248.10	249.40	257.41	251.64	2.00	ppb
Beryllium	9-1	1.07	1.07	1.15	1.10	3.96	ppb
Bismuth	209-1				110		%
Bismuth	209-2				102		%
Boron	10-1	10.17	10.39	10.84	10.47	3.28	ppb
Boron	11-1	11.20	11.04	11.59	11.28	2.48	ppb
Bromine	81-1						cps
Cadmium	111-1	0.08	0.08	0.11	0.09	17.74	ppb
Cadmium	106-1	1.12	1.65	-0.60	0.72	162.61	ppb
Cadmium	108-1	0.56	0.82	0.39	0.59	36.47	ppb
Calcium	43-1	9741.20	9905.19	10214.30	9953.56	2.41	ppb
Calcium	44-1	10031.72	10157.35	10209.76	10132.94	0.90	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	28.60	29.24	29.80	29.21	2.06	ppb
Cobalt	59-2	29.70	30.07	31.03	30.27	2.27	ppb
Copper	63-2	105.00	105.12	106.74	105.62	0.92	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				112		%
Holmium	165-2				105		%
Indium	115-1				110		%
Indium	115-2				107		%
Iron	54-2	68685.87	70763.23	70457.18	69968.76	1.60	ppb
Iron	56-2	69401.54	70048.74	71152.64	70200.97	1.26	ppb
Iron	57-2	69133.52	69985.41	71557.55	70225.50	1.75	ppb

LB Number :	LB116309	Operator :	Jaswal
Lab Sample ID :	M3713-07	Instrumnet Name :	P8
Client Sample ID :	JCF08	Dilution Factor :	1
Date & Time Acquired ::	2021-09-14 18:40:29	DataFile Name :	041AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Krypton	83-1						cps
Lead	206-1	4.72	5.00	4.87	4.86	2.95	ppb
Lead	207-1	4.48	4.93	4.71	4.70	4.78	ppb
Lead	208-1	4.56	4.96	4.84	4.79	4.21	ppb
Lithium	6-1				112		%
Magnesium	24-2	9576.45	9608.25	9983.07	9722.59	2.33	ppb
Manganese	55-2	1219.72	1222.04	1239.41	1227.06	0.88	ppb
Molybdenum	94-1	7.21	7.12	7.42	7.25	2.13	ppb
Molybdenum	95-1	0.44	0.38	0.38	0.40	8.82	ppb
Molybdenum	96-1	1.44	1.44	1.51	1.46	2.71	ppb
Molybdenum	97-1	0.45	0.36	0.40	0.40	11.77	ppb
Molybdenum	98-1	0.40	0.38	0.37	0.38	3.00	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	25.40	26.01	26.95	26.12	2.99	ppb
Phosphorus	31-2	1013.01	1013.64	1082.40	1036.35	3.85	ppb
Potassium	39-2	661.06	659.96	676.53	665.85	1.39	ppb
Rhodium	103-1				111		%
Rhodium	103-2				107		%
Scandium	45-1				117		%
Scandium	45-2				111		%
Selenium	82-1	1.03	1.19	1.16	1.13	7.61	ppb
Selenium	77-2	18.57	23.17	24.16	21.97	13.59	ppb
Selenium	78-2	3.26	2.49	1.51	2.42	36.36	ppb
Silicon	28-1	2083.58	2075.52	2125.16	2094.75	1.27	ppb
Silver	107-1	0.11	0.11	0.11	0.11	2.58	ppb
Silver	109-1	0.09	0.13	0.12	0.11	16.27	ppb
Sodium	23-2	421.67	419.20	433.58	424.81	1.81	ppb
Strontium	86-1	125.31	120.24	127.55	124.37	3.01	ppb
Strontium	88-1	128.17	124.84	127.04	126.68	1.34	ppb
Sulfur	34-1	-3113.86	-3191.90	-3053.04	-3119.60		ppb
Terbium	159-1				113		%
Terbium	159-2				107		%
Thallium	203-1	0.03	0.04	0.04	0.04	17.25	ppb
Thallium	205-1	0.04	0.05	0.04	0.04	14.38	ppb
Tin	118-1	1.28	1.34	1.41	1.34	4.60	ppb

LB Number :	LB116309	Operator :	Jaswal
Lab Sample ID :	M3713-07	Instrumnet Name :	P8
Client Sample ID :	JCF08	Dilution Factor :	1
Date & Time Acquired ::	2021-09-14 18:40:29	DataFile Name :	041AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Titanium	47-1	681.72	679.83	698.24	686.60	1.47	ppb
Uranium	238-1	0.33	0.36	0.34	0.34	4.44	ppb
Vanadium	51-2	133.26	131.86	135.26	133.46	1.28	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				114		%
Yttrium	89-2				108		%
Zinc	66-2	136.56	137.54	139.73	137.94	1.18	ppb
Zirconium	90-1	44.54	45.34	46.04	45.31	1.66	ppb
Zirconium	91-1	44.51	45.03	45.57	45.04	1.18	ppb

LB Number :	LB116309	Operator :	Jaswal
Lab Sample ID :	M3713-08	Instrumnet Name :	P8
Client Sample ID :	JCF11	Dilution Factor :	1
Date & Time Acquired ::	2021-09-14 18:43:23	DataFile Name :	042AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	29580.17	31053.73	30670.34	30434.74	2.51	ppb
Antimony	121-1	1.34	1.46	1.39	1.40	4.38	ppb
Arsenic	75-2	32.84	34.44	33.79	33.69	2.39	ppb
Barium	135-1	211.08	210.71	210.47	210.75	0.15	ppb
Barium	137-1	212.15	210.23	214.55	212.31	1.02	ppb
Beryllium	9-1	1.01	0.95	0.99	0.98	3.38	ppb
Bismuth	209-1				110		%
Bismuth	209-2				102		%
Boron	10-1	10.13	9.96	10.42	10.17	2.31	ppb
Boron	11-1	11.32	10.59	11.47	11.12	4.25	ppb
Bromine	81-1						cps
Cadmium	111-1	0.11	0.09	0.09	0.10	13.93	ppb
Cadmium	106-1	0.97	0.34	-0.05	0.42	122.93	ppb
Cadmium	108-1	0.57	0.58	0.68	0.61	10.34	ppb
Calcium	43-1	10197.27	10336.33	10714.37	10415.99	2.57	ppb
Calcium	44-1	10292.78	10480.23	10869.44	10547.48	2.79	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	32.40	33.46	33.28	33.05	1.71	ppb
Cobalt	59-2	26.65	27.47	27.41	27.18	1.68	ppb
Copper	63-2	96.52	100.57	99.67	98.92	2.15	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				109		%
Holmium	165-2				104		%
Indium	115-1				110		%
Indium	115-2				103		%
Iron	54-2	62448.96	63991.93	63156.59	63199.16	1.22	ppb
Iron	56-2	61527.36	64649.89	62902.93	63026.73	2.48	ppb
Iron	57-2	62077.88	64330.78	63112.78	63173.81	1.79	ppb

LB Number :	LB116309	Operator :	Jaswal
Lab Sample ID :	M3713-08	Instrumnet Name :	P8
Client Sample ID :	JCF11	Dilution Factor :	1
Date & Time Acquired ::	2021-09-14 18:43:23	DataFile Name :	042AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Krypton	83-1						cps
Lead	206-1	5.09	5.07	5.32	5.16	2.71	ppb
Lead	207-1	4.92	4.98	5.14	5.01	2.26	ppb
Lead	208-1	4.99	5.08	5.25	5.11	2.57	ppb
Lithium	6-1				113		%
Magnesium	24-2	8533.00	8821.56	8640.42	8664.99	1.68	ppb
Manganese	55-2	979.71	1016.64	1005.29	1000.55	1.89	ppb
Molybdenum	94-1	7.42	7.69	7.52	7.54	1.85	ppb
Molybdenum	95-1	0.37	0.37	0.39	0.38	2.76	ppb
Molybdenum	96-1	1.39	1.36	1.39	1.38	1.26	ppb
Molybdenum	97-1	0.40	0.40	0.42	0.41	3.16	ppb
Molybdenum	98-1	0.35	0.39	0.40	0.38	6.83	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	24.36	25.40	25.02	24.93	2.12	ppb
Phosphorus	31-2	823.15	871.49	810.08	834.91	3.87	ppb
Potassium	39-2	505.98	536.08	523.28	521.78	2.89	ppb
Rhodium	103-1				111		%
Rhodium	103-2				104		%
Scandium	45-1				113		%
Scandium	45-2				108		%
Selenium	82-1	1.05	0.43	1.60	1.02	57.09	ppb
Selenium	77-2	18.84	17.31	17.07	17.74	5.41	ppb
Selenium	78-2	3.07	3.20	3.52	3.26	7.10	ppb
Silicon	28-1	1852.74	1838.12	1965.59	1885.48	3.70	ppb
Silver	107-1	0.10	0.13	0.12	0.12	10.99	ppb
Silver	109-1	0.10	0.13	0.12	0.12	13.34	ppb
Sodium	23-2	369.50	393.31	376.62	379.81	3.22	ppb
Strontium	86-1	132.92	134.31	141.71	136.31	3.47	ppb
Strontium	88-1	136.99	134.14	141.50	137.54	2.70	ppb
Sulfur	34-1	-2343.71	-2367.20	-2077.75	-2262.89		ppb
Terbium	159-1				112		%
Terbium	159-2				106		%
Thallium	203-1	0.01	0.02	0.01	0.01	23.44	ppb
Thallium	205-1	0.01	0.02	0.01	0.01	43.18	ppb
Tin	118-1	1.30	1.42	1.39	1.37	4.45	ppb

LB Number :	LB116309	Operator :	Jaswal
Lab Sample ID :	M3713-08	Instrumnet Name :	P8
Client Sample ID :	JCF11	Dilution Factor :	1
Date & Time Acquired ::	2021-09-14 18:43:23	DataFile Name :	042AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Titanium	47-1	470.75	470.83	500.53	480.70	3.57	ppb
Uranium	238-1	0.30	0.29	0.32	0.30	3.49	ppb
Vanadium	51-2	129.31	133.69	131.14	131.38	1.68	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				113		%
Yttrium	89-2				107		%
Zinc	66-2	127.66	130.98	132.01	130.22	1.75	ppb
Zirconium	90-1	44.79	46.01	47.69	46.16	3.16	ppb
Zirconium	91-1	44.67	46.00	46.73	45.80	2.28	ppb

LB Number : LB116309 Operator : Jaswal
 Lab Sample ID : M3713-09 Instrumnet Name : P8
 Client Sample ID : JCF12 Dilution Factor : 1
 Date & Time Acquired :: 2021-09-14 18:46:18 DataFile Name : 043AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	40392.33	41210.67	42219.18	41274.06	2.22	ppb
Antimony	121-1	1.53	1.51	1.54	1.52	1.12	ppb
Arsenic	75-2	54.64	55.12	56.66	55.47	1.91	ppb
Barium	135-1	286.16	292.99	286.28	288.47	1.36	ppb
Barium	137-1	294.55	289.89	285.71	290.05	1.52	ppb
Beryllium	9-1	1.41	1.46	1.42	1.43	1.75	ppb
Bismuth	209-1				110		%
Bismuth	209-2				104		%
Boron	10-1	10.69	11.32	10.64	10.88	3.51	ppb
Boron	11-1	11.09	11.97	11.29	11.45	4.02	ppb
Bromine	81-1						cps
Cadmium	111-1	0.10	0.06	0.11	0.09	32.35	ppb
Cadmium	106-1	-0.67	-2.10	-1.13	-1.30		ppb
Cadmium	108-1	0.96	0.73	0.90	0.86	13.26	ppb
Calcium	43-1	12390.22	12642.21	12673.57	12568.67	1.24	ppb
Calcium	44-1	12692.57	13019.80	13036.72	12916.36	1.50	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	36.75	38.43	40.06	38.41	4.32	ppb
Cobalt	59-2	34.95	36.32	37.25	36.17	3.19	ppb
Copper	63-2	125.84	132.17	133.26	130.43	3.07	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				111		%
Holmium	165-2				106		%
Indium	115-1				108		%
Indium	115-2				105		%
Iron	54-2	92085.99	95444.80	99327.39	95619.39	3.79	ppb
Iron	56-2	94114.67	95218.01	100210.58	96514.42	3.37	ppb
Iron	57-2	91361.95	95668.97	97312.09	94781.01	3.24	ppb

LB Number :	LB116309	Operator :	Jaswal
Lab Sample ID :	M3713-09	Instrumnet Name :	P8
Client Sample ID :	JCF12	Dilution Factor :	1
Date & Time Acquired ::	2021-09-14 18:46:18	DataFile Name :	043AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Krypton	83-1						cps
Lead	206-1	6.79	6.62	6.50	6.64	2.23	ppb
Lead	207-1	6.60	6.49	6.29	6.46	2.47	ppb
Lead	208-1	6.64	6.56	6.34	6.51	2.36	ppb
Lithium	6-1				111		%
Magnesium	24-2	11797.51	11916.72	12261.43	11991.89	2.01	ppb
Manganese	55-2	1260.86	1291.75	1342.25	1298.29	3.16	ppb
Molybdenum	94-1	9.76	9.63	9.24	9.55	2.83	ppb
Molybdenum	95-1	0.60	0.60	0.58	0.59	1.58	ppb
Molybdenum	96-1	1.87	1.95	1.83	1.89	3.23	ppb
Molybdenum	97-1	0.52	0.56	0.47	0.52	8.13	ppb
Molybdenum	98-1	0.58	0.55	0.52	0.55	5.39	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	30.95	33.47	34.16	32.86	5.14	ppb
Phosphorus	31-2	1320.53	1308.90	1440.42	1356.62	5.37	ppb
Potassium	39-2	836.79	857.56	894.87	863.07	3.41	ppb
Rhodium	103-1				108		%
Rhodium	103-2				106		%
Scandium	45-1				114		%
Scandium	45-2				110		%
Selenium	82-1	0.73	0.55	0.53	0.61	17.91	ppb
Selenium	77-2	30.41	26.55	20.99	25.98	18.23	ppb
Selenium	78-2	4.21	5.11	4.50	4.60	9.94	ppb
Silicon	28-1	2568.29	2579.79	2544.00	2564.03	0.71	ppb
Silver	107-1	0.10	0.09	0.11	0.10	8.99	ppb
Silver	109-1	0.10	0.10	0.11	0.10	8.67	ppb
Sodium	23-2	633.47	632.00	647.84	637.77	1.37	ppb
Strontium	86-1	180.93	178.89	174.64	178.15	1.80	ppb
Strontium	88-1	179.85	182.45	173.97	178.76	2.43	ppb
Sulfur	34-1	-2889.37	-3013.52	-3080.15	-2994.34		ppb
Terbium	159-1				113		%
Terbium	159-2				108		%
Thallium	203-1	0.02	0.03	0.02	0.03	36.58	ppb
Thallium	205-1	0.04	0.04	0.04	0.04	3.24	ppb
Tin	118-1	1.49	1.48	1.53	1.50	1.65	ppb

LB Number :	LB116309	Operator :	Jaswal
Lab Sample ID :	M3713-09	Instrumnet Name :	P8
Client Sample ID :	JCF12	Dilution Factor :	1
Date & Time Acquired ::	2021-09-14 18:46:18	DataFile Name :	043AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Titanium	47-1	1042.72	1017.45	1017.72	1025.96	1.41	ppb
Uranium	238-1	0.43	0.43	0.42	0.43	1.98	ppb
Vanadium	51-2	175.99	182.66	189.54	182.73	3.71	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				113		%
Yttrium	89-2				108		%
Zinc	66-2	158.93	161.03	165.79	161.92	2.17	ppb
Zirconium	90-1	60.94	63.68	58.06	60.89	4.61	ppb
Zirconium	91-1	60.70	57.77	57.49	58.66	3.03	ppb

LB Number : LB116309 Operator : Jaswal
 Lab Sample ID : M3713-10 Instrumnet Name : P8
 Client Sample ID : JCF13 Dilution Factor : 1
 Date & Time Acquired :: 2021-09-14 18:49:11 DataFile Name : 044AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	29980.97	30708.60	30498.36	30395.98	1.23	ppb
Antimony	121-1	0.79	0.77	0.88	0.81	7.50	ppb
Arsenic	75-2	32.00	32.51	30.47	31.66	3.35	ppb
Barium	135-1	220.92	224.44	228.11	224.49	1.60	ppb
Barium	137-1	221.33	224.31	229.38	225.01	1.81	ppb
Beryllium	9-1	1.07	1.06	1.16	1.10	4.85	ppb
Bismuth	209-1				111		%
Bismuth	209-2				105		%
Boron	10-1	9.14	9.30	9.66	9.37	2.83	ppb
Boron	11-1	9.93	9.74	10.41	10.03	3.42	ppb
Bromine	81-1						cps
Cadmium	111-1	0.10	0.09	0.10	0.10	3.01	ppb
Cadmium	106-1	-2.50	-3.74	-1.83	-2.69		ppb
Cadmium	108-1	0.29	0.46	0.51	0.42	26.95	ppb
Calcium	43-1	9323.43	9130.40	9909.83	9454.55	4.29	ppb
Calcium	44-1	9563.85	9172.96	9982.26	9573.02	4.23	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	36.15	37.74	36.77	36.89	2.18	ppb
Cobalt	59-2	28.63	29.50	28.71	28.95	1.66	ppb
Copper	63-2	102.79	105.91	104.26	104.32	1.50	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				112		%
Holmium	165-2				107		%
Indium	115-1				111		%
Indium	115-2				105		%
Iron	54-2	68047.24	70897.53	68901.00	69281.93	2.11	ppb
Iron	56-2	68638.09	72420.64	69673.42	70244.05	2.78	ppb
Iron	57-2	69243.04	71561.88	68663.46	69822.79	2.20	ppb

LB Number :	LB116309	Operator :	Jaswal
Lab Sample ID :	M3713-10	Instrumnet Name :	P8
Client Sample ID :	JCF13	Dilution Factor :	1
Date & Time Acquired ::	2021-09-14 18:49:11	DataFile Name :	044AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Krypton	83-1						cps
Lead	206-1	5.63	5.57	5.80	5.67	2.14	ppb
Lead	207-1	5.51	5.39	5.53	5.48	1.45	ppb
Lead	208-1	5.47	5.52	5.75	5.58	2.64	ppb
Lithium	6-1				114		%
Magnesium	24-2	8385.21	8609.85	8391.39	8462.15	1.51	ppb
Manganese	55-2	936.80	974.84	943.11	951.58	2.14	ppb
Molybdenum	94-1	5.68	6.02	6.01	5.90	3.28	ppb
Molybdenum	95-1	0.40	0.42	0.45	0.42	5.42	ppb
Molybdenum	96-1	1.23	1.22	1.22	1.22	0.55	ppb
Molybdenum	97-1	0.41	0.43	0.41	0.42	3.06	ppb
Molybdenum	98-1	0.36	0.34	0.39	0.36	7.61	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	25.41	26.05	25.36	25.60	1.51	ppb
Phosphorus	31-2	951.22	882.01	815.91	883.05	7.66	ppb
Potassium	39-2	511.21	546.63	511.26	523.03	3.91	ppb
Rhodium	103-1				111		%
Rhodium	103-2				108		%
Scandium	45-1				116		%
Scandium	45-2				111		%
Selenium	82-1	0.60	0.45	0.67	0.58	19.49	ppb
Selenium	77-2	21.86	24.37	20.57	22.27	8.69	ppb
Selenium	78-2	3.42	2.90	3.02	3.11	8.61	ppb
Silicon	28-1	2390.70	2415.48	2508.59	2438.26	2.55	ppb
Silver	107-1	0.08	0.08	0.12	0.09	20.75	ppb
Silver	109-1	0.09	0.10	0.10	0.10	7.12	ppb
Sodium	23-2	416.09	428.37	426.61	423.69	1.57	ppb
Strontium	86-1	136.22	139.18	143.19	139.53	2.51	ppb
Strontium	88-1	137.03	138.63	145.23	140.30	3.10	ppb
Sulfur	34-1	-3288.18	-3362.77	-2982.55	-3211.17		ppb
Terbium	159-1				115		%
Terbium	159-2				108		%
Thallium	203-1	0.03	0.00	0.01	0.01	102.93	ppb
Thallium	205-1	0.02	0.02	0.02	0.02	19.19	ppb
Tin	118-1	1.20	1.31	1.39	1.30	7.34	ppb

LB Number :	LB116309	Operator :	Jaswal
Lab Sample ID :	M3713-10	Instrumnet Name :	P8
Client Sample ID :	JCF13	Dilution Factor :	1
Date & Time Acquired ::	2021-09-14 18:49:11	DataFile Name :	044AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Titanium	47-1	571.44	567.71	605.29	581.48	3.56	ppb
Uranium	238-1	0.36	0.39	0.38	0.38	4.20	ppb
Vanadium	51-2	148.50	156.20	150.49	151.73	2.63	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				114		%
Yttrium	89-2				109		%
Zinc	66-2	135.99	141.20	137.63	138.27	1.93	ppb
Zirconium	90-1	35.36	35.48	36.96	35.94	2.48	ppb
Zirconium	91-1	34.70	36.19	37.06	35.98	3.31	ppb

LB Number :	LB116309	Operator :	Jaswal
Lab Sample ID :	M3713-11	Instrumnet Name :	P8
Client Sample ID :	JCF14	Dilution Factor :	1
Date & Time Acquired ::	2021-09-14 18:52:08	DataFile Name :	045AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	18445.12	18119.48	18314.61	18293.07	0.90	ppb
Antimony	121-1	0.70	0.68	0.65	0.68	3.56	ppb
Arsenic	75-2	17.98	17.63	17.83	17.81	0.98	ppb
Barium	135-1	130.97	130.08	125.02	128.69	2.49	ppb
Barium	137-1	134.40	131.55	125.60	130.52	3.44	ppb
Beryllium	9-1	0.67	0.66	0.60	0.64	5.46	ppb
Bismuth	209-1				113		%
Bismuth	209-2				103		%
Boron	10-1	8.30	8.64	8.84	8.59	3.19	ppb
Boron	11-1	9.58	9.72	9.03	9.44	3.90	ppb
Bromine	81-1						cps
Cadmium	111-1	0.07	0.08	0.08	0.08	9.22	ppb
Cadmium	106-1	-1.55	-2.54	-0.69	-1.60		ppb
Cadmium	108-1	0.41	0.49	0.49	0.46	9.51	ppb
Calcium	43-1	6869.50	6678.64	6524.84	6690.99	2.58	ppb
Calcium	44-1	6865.81	6866.42	6759.11	6830.45	0.90	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	21.47	22.39	22.56	22.14	2.65	ppb
Cobalt	59-2	17.18	17.47	17.77	17.48	1.68	ppb
Copper	63-2	66.17	66.57	69.42	67.39	2.63	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				110		%
Holmium	165-2				105		%
Indium	115-1				111		%
Indium	115-2				103		%
Iron	54-2	42746.72	42847.41	43191.10	42928.41	0.54	ppb
Iron	56-2	43126.12	42476.12	43833.90	43145.38	1.57	ppb
Iron	57-2	43785.32	43462.91	43545.08	43597.77	0.38	ppb

LB Number :	LB116309	Operator :	Jaswal
Lab Sample ID :	M3713-11	Instrumnet Name :	P8
Client Sample ID :	JCF14	Dilution Factor :	1
Date & Time Acquired ::	2021-09-14 18:52:08	DataFile Name :	045AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Krypton	83-1						cps
Lead	206-1	3.94	3.87	3.66	3.82	3.84	ppb
Lead	207-1	3.74	3.74	3.50	3.66	3.68	ppb
Lead	208-1	3.78	3.83	3.53	3.72	4.32	ppb
Lithium	6-1				113		%
Magnesium	24-2	5135.75	5253.84	5219.47	5203.02	1.17	ppb
Manganese	55-2	576.64	587.28	601.68	588.54	2.14	ppb
Molybdenum	94-1	5.36	5.67	5.16	5.40	4.75	ppb
Molybdenum	95-1	0.29	0.32	0.26	0.29	9.85	ppb
Molybdenum	96-1	1.03	0.98	0.91	0.97	6.04	ppb
Molybdenum	97-1	0.28	0.30	0.26	0.28	5.69	ppb
Molybdenum	98-1	0.26	0.28	0.27	0.27	3.45	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	16.23	16.04	16.79	16.35	2.38	ppb
Phosphorus	31-2	609.10	641.80	644.82	631.91	3.14	ppb
Potassium	39-2	362.02	370.98	381.24	371.41	2.59	ppb
Rhodium	103-1				112		%
Rhodium	103-2				105		%
Scandium	45-1				114		%
Scandium	45-2				106		%
Selenium	82-1	0.33	0.49	0.66	0.49	33.87	ppb
Selenium	77-2	19.36	14.15	16.14	16.55	15.88	ppb
Selenium	78-2	3.01	2.02	2.42	2.49	19.89	ppb
Silicon	28-1	1774.74	1790.12	1672.74	1745.87	3.65	ppb
Silver	107-1	0.07	0.07	0.10	0.08	22.67	ppb
Silver	109-1	0.07	0.09	0.07	0.08	15.81	ppb
Sodium	23-2	302.10	305.13	312.67	306.63	1.78	ppb
Strontium	86-1	81.99	81.81	81.31	81.70	0.43	ppb
Strontium	88-1	82.00	83.51	80.73	82.08	1.70	ppb
Sulfur	34-1	-2847.64	-3016.10	-3100.60	-2988.11		ppb
Terbium	159-1				114		%
Terbium	159-2				105		%
Thallium	203-1	0.00	0.00	0.01	0.00	148.59	ppb
Thallium	205-1	0.00	0.00	0.00	0.00		ppb
Tin	118-1	1.21	1.33	1.12	1.22	8.73	ppb

LB Number :	LB116309	Operator :	Jaswal
Lab Sample ID :	M3713-11	Instrumnet Name :	P8
Client Sample ID :	JCF14	Dilution Factor :	1
Date & Time Acquired ::	2021-09-14 18:52:08	DataFile Name :	045AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Titanium	47-1	502.43	490.98	470.28	487.90	3.34	ppb
Uranium	238-1	0.23	0.23	0.22	0.23	3.91	ppb
Vanadium	51-2	93.07	93.90	96.46	94.48	1.87	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				114		%
Yttrium	89-2				105		%
Zinc	66-2	95.84	94.73	98.82	96.46	2.19	ppb
Zirconium	90-1	32.95	32.74	32.86	32.85	0.33	ppb
Zirconium	91-1	31.09	34.76	32.92	32.92	5.58	ppb

LB Number :	LB116309	Operator :	Jaswal
Lab Sample ID :	M3713-12	Instrumnet Name :	P8
Client Sample ID :	JCF15	Dilution Factor :	1
Date & Time Acquired ::	2021-09-14 18:55:02	DataFile Name :	046AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	51918.49	50019.36	51145.76	51027.87	1.87	ppb
Antimony	121-1	1.27	1.32	1.34	1.31	2.68	ppb
Arsenic	75-2	26.94	26.86	25.86	26.55	2.25	ppb
Barium	135-1	351.12	356.21	349.49	352.28	1.00	ppb
Barium	137-1	353.54	353.12	343.00	349.88	1.71	ppb
Beryllium	9-1	1.73	1.69	1.77	1.73	2.22	ppb
Bismuth	209-1				112		%
Bismuth	209-2				102		%
Boron	10-1	12.37	12.33	13.81	12.84	6.55	ppb
Boron	11-1	13.19	14.17	14.45	13.94	4.74	ppb
Bromine	81-1						cps
Cadmium	111-1	0.25	0.24	0.26	0.25	3.93	ppb
Cadmium	106-1	-2.18	-1.97	-0.50	-1.55		ppb
Cadmium	108-1	0.73	0.80	0.87	0.80	8.87	ppb
Calcium	43-1	16952.37	16730.09	17510.89	17064.45	2.36	ppb
Calcium	44-1	17532.78	17595.40	17620.44	17582.87	0.26	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	56.37	55.21	55.91	55.83	1.05	ppb
Cobalt	59-2	35.72	34.74	35.12	35.19	1.40	ppb
Copper	63-2	187.38	180.76	183.94	184.02	1.80	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				113		%
Holmium	165-2				105		%
Indium	115-1				112		%
Indium	115-2				104		%
Iron	54-2	85464.13	81758.90	83430.41	83551.15	2.22	ppb
Iron	56-2	85437.06	84079.81	83472.52	84329.80	1.19	ppb
Iron	57-2	85239.56	83488.95	83651.95	84126.82	1.15	ppb

LB Number :	LB116309	Operator :	Jaswal
Lab Sample ID :	M3713-12	Instrumnet Name :	P8
Client Sample ID :	JCF15	Dilution Factor :	1
Date & Time Acquired ::	2021-09-14 18:55:02	DataFile Name :	046AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Krypton	83-1						cps
Lead	206-1	11.06	10.95	11.17	11.06	1.01	ppb
Lead	207-1	10.77	10.44	10.74	10.65	1.69	ppb
Lead	208-1	10.77	10.56	10.85	10.73	1.40	ppb
Lithium	6-1				114		%
Magnesium	24-2	11829.13	11814.88	11671.86	11771.96	0.74	ppb
Manganese	55-2	758.99	741.15	744.72	748.29	1.26	ppb
Molybdenum	94-1	7.92	9.35	8.64	8.64	8.24	ppb
Molybdenum	95-1	0.63	0.63	0.62	0.63	1.13	ppb
Molybdenum	96-1	1.70	1.62	1.85	1.72	6.84	ppb
Molybdenum	97-1	0.65	0.59	0.71	0.65	9.15	ppb
Molybdenum	98-1	0.62	0.61	0.66	0.63	4.59	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	39.56	37.69	38.48	38.58	2.44	ppb
Phosphorus	31-2	1562.73	1433.71	1551.41	1515.95	4.71	ppb
Potassium	39-2	811.89	791.71	781.45	795.02	1.95	ppb
Rhodium	103-1				112		%
Rhodium	103-2				107		%
Scandium	45-1				118		%
Scandium	45-2				110		%
Selenium	82-1	1.92	1.41	1.32	1.55	20.81	ppb
Selenium	77-2	50.12	38.91	52.83	47.28	15.60	ppb
Selenium	78-2	7.74	7.04	7.27	7.35	4.85	ppb
Silicon	28-1	1714.17	1921.72	3149.17	2261.69	34.29	ppb
Silver	107-1	0.16	0.18	0.16	0.16	6.56	ppb
Silver	109-1	0.14	0.20	0.17	0.17	17.55	ppb
Sodium	23-2	705.59	698.30	691.75	698.55	0.99	ppb
Strontium	86-1	203.04	202.63	211.83	205.83	2.52	ppb
Strontium	88-1	204.23	208.04	206.93	206.40	0.95	ppb
Sulfur	34-1	-1526.34	-1648.10	-1155.95	-1443.47		ppb
Terbium	159-1				116		%
Terbium	159-2				108		%
Thallium	203-1	0.07	0.08	0.08	0.07	9.48	ppb
Thallium	205-1	0.07	0.07	0.08	0.07	9.47	ppb
Tin	118-1	2.91	2.90	2.92	2.91	0.22	ppb

LB Number :	LB116309	Operator :	Jaswal
Lab Sample ID :	M3713-12	Instrumnet Name :	P8
Client Sample ID :	JCF15	Dilution Factor :	1
Date & Time Acquired ::	2021-09-14 18:55:02	DataFile Name :	046AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Titanium	47-1	556.53	546.91	610.79	571.41	6.03	ppb
Uranium	238-1	0.74	0.71	0.74	0.73	1.93	ppb
Vanadium	51-2	217.63	212.96	211.53	214.04	1.49	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				119		%
Yttrium	89-2				111		%
Zinc	66-2	213.68	205.34	207.81	208.94	2.05	ppb
Zirconium	90-1	48.62	51.25	51.31	50.39	3.05	ppb
Zirconium	91-1	45.54	46.19	52.50	48.08	8.00	ppb

LB Number :	LB116309	Operator :	Jaswal
Lab Sample ID :	M3710-03A	Instrumnet Name :	P8
Client Sample ID :	EW132A	Dilution Factor :	1
Date & Time Acquired ::	2021-09-14 18:57:58	DataFile Name :	047AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	24.28	24.30	24.26	24.28	0.08	ppb
Antimony	121-1	0.33	0.32	0.32	0.33	2.07	ppb
Arsenic	75-2	2.23	2.08	2.34	2.22	6.00	ppb
Barium	135-1	130.51	130.67	131.53	130.91	0.42	ppb
Barium	137-1	128.64	133.64	130.81	131.03	1.92	ppb
Beryllium	9-1	0.00	0.00	0.00	0.00	293.82	ppb
Bismuth	209-1				106		%
Bismuth	209-2				98		%
Boron	10-1	414.97	435.36	454.59	434.97	4.55	ppb
Boron	11-1	446.60	472.97	470.05	463.21	3.12	ppb
Bromine	81-1						cps
Cadmium	111-1	0.09	0.08	0.10	0.09	11.61	ppb
Cadmium	106-1	-3.66	-0.95	-3.03	-2.55		ppb
Cadmium	108-1	0.30	0.10	0.21	0.21	49.12	ppb
Calcium	43-1	144709.22	148930.84	146838.40	146826.15	1.44	ppb
Calcium	44-1	147616.90	144614.76	148571.02	146934.23	1.41	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	0.37	0.33	0.40	0.37	8.69	ppb
Cobalt	59-2	0.54	0.54	0.52	0.53	1.59	ppb
Copper	63-2	1.86	1.92	1.93	1.90	1.81	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				110		%
Holmium	165-2				102		%
Indium	115-1				107		%
Indium	115-2				100		%
Iron	54-2	2054.79	2043.52	2041.25	2046.52	0.35	ppb
Iron	56-2	2146.25	2187.53	2188.07	2173.95	1.10	ppb
Iron	57-2	2074.80	2085.90	2093.56	2084.75	0.45	ppb

LB Number :	LB116309	Operator :	Jaswal
Lab Sample ID :	M3710-03A	Instrumnet Name :	P8
Client Sample ID :	EW132A	Dilution Factor :	1
Date & Time Acquired ::	2021-09-14 18:57:58	DataFile Name :	047AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Krypton	83-1						cps
Lead	206-1	0.45	0.44	0.42	0.44	4.06	ppb
Lead	207-1	0.44	0.37	0.36	0.39	11.52	ppb
Lead	208-1	0.43	0.40	0.40	0.41	3.83	ppb
Lithium	6-1				111		%
Magnesium	24-2	41040.84	40218.87	39850.05	40369.92	1.51	ppb
Manganese	55-2	965.97	962.33	971.64	966.65	0.49	ppb
Molybdenum	94-1	6.61	6.36	6.96	6.64	4.51	ppb
Molybdenum	95-1	8.89	9.12	9.21	9.07	1.82	ppb
Molybdenum	96-1	8.82	8.63	8.96	8.81	1.88	ppb
Molybdenum	97-1	9.04	8.88	9.24	9.05	1.98	ppb
Molybdenum	98-1	9.02	8.86	9.26	9.05	2.21	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	3.50	3.49	3.51	3.50	0.25	ppb
Phosphorus	31-2	84.17	68.24	74.37	75.59	10.63	ppb
Potassium	39-2	12826.62	12947.64	13262.58	13012.28	1.73	ppb
Rhodium	103-1				106		%
Rhodium	103-2				100		%
Scandium	45-1				110		%
Scandium	45-2				100		%
Selenium	82-1	0.49	0.75	0.22	0.49	55.02	ppb
Selenium	77-2	0.00	0.00	1.59	0.53	173.21	ppb
Selenium	78-2	0.41	0.65	0.26	0.44	44.45	ppb
Silicon	28-1	9460.01	9739.47	9672.74	9624.07	1.52	ppb
Silver	107-1	2.09	2.21	2.14	2.15	2.90	ppb
Silver	109-1	2.10	2.16	2.09	2.12	1.73	ppb
Sodium	23-2	20335.31	20212.43	20245.95	20264.57	0.31	ppb
Strontium	86-1	597.50	586.70	585.57	589.92	1.12	ppb
Strontium	88-1	583.09	579.06	580.71	580.95	0.35	ppb
Sulfur	34-1	22870.68	24103.76	24647.95	23874.13	3.81	ppb
Terbium	159-1				111		%
Terbium	159-2				103		%
Thallium	203-1	-0.02	-0.04	-0.04	-0.03		ppb
Thallium	205-1	-0.03	-0.03	-0.04	-0.03		ppb
Tin	118-1	0.37	0.39	0.40	0.39	4.49	ppb

LB Number :	LB116309	Operator :	Jaswal
Lab Sample ID :	M3710-03A	Instrumnet Name :	P8
Client Sample ID :	EW132A	Dilution Factor :	1
Date & Time Acquired ::	2021-09-14 18:57:58	DataFile Name :	047AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Titanium	47-1	1.50	1.24	2.46	1.73	36.93	ppb
Uranium	238-1	1.52	1.50	1.49	1.50	0.85	ppb
Vanadium	51-2	0.45	0.43	0.42	0.43	3.62	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				109		%
Yttrium	89-2				100		%
Zinc	66-2	25.34	25.85	26.34	25.84	1.94	ppb
Zirconium	90-1	2.65	2.40	2.25	2.43	8.22	ppb
Zirconium	91-1	1.49	1.53	3.19	2.07	47.01	ppb

LB Number :	LB116309	Operator :	Jaswal
Lab Sample ID :	M3713-01A	Instrumnet Name :	P8
Client Sample ID :	JCF03A	Dilution Factor :	1
Date & Time Acquired ::	2021-09-14 19:00:51	DataFile Name :	048AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	24952.00	24826.35	24529.14	24769.16	0.88	ppb
Antimony	121-1	0.30	0.27	0.32	0.30	8.90	ppb
Arsenic	75-2	19.23	19.84	19.60	19.56	1.58	ppb
Barium	135-1	174.02	160.16	163.20	165.79	4.39	ppb
Barium	137-1	174.57	162.97	167.25	168.26	3.49	ppb
Beryllium	9-1	0.87	0.82	0.75	0.81	7.58	ppb
Bismuth	209-1				112		%
Bismuth	209-2				103		%
Boron	10-1	46.38	40.99	35.59	40.99	13.16	ppb
Boron	11-1	50.86	44.26	38.79	44.64	13.54	ppb
Bromine	81-1						cps
Cadmium	111-1	0.08	0.07	0.05	0.07	23.72	ppb
Cadmium	106-1	-0.59	-3.56	-0.79	-1.65		ppb
Cadmium	108-1	0.22	0.23	0.46	0.30	45.42	ppb
Calcium	43-1	8129.00	7738.00	7716.00	7861.00	2.96	ppb
Calcium	44-1	8441.75	7898.08	7764.34	8034.73	4.47	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	33.58	33.77	34.22	33.86	0.98	ppb
Cobalt	59-2	24.37	24.84	24.41	24.54	1.06	ppb
Copper	63-2	81.32	82.34	79.48	81.05	1.79	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				111		%
Holmium	165-2				105		%
Indium	115-1				109		%
Indium	115-2				102		%
Iron	54-2	52840.21	52531.35	50164.96	51845.51	2.82	ppb
Iron	56-2	53042.94	53324.15	50818.30	52395.13	2.62	ppb
Iron	57-2	54389.68	53616.23	52207.38	53404.43	2.07	ppb

LB Number :	LB116309	Operator :	Jaswal
Lab Sample ID :	M3713-01A	Instrumnet Name :	P8
Client Sample ID :	JCF03A	Dilution Factor :	1
Date & Time Acquired ::	2021-09-14 19:00:51	DataFile Name :	048AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Krypton	83-1						cps
Lead	206-1	3.37	3.13	3.15	3.22	4.14	ppb
Lead	207-1	3.24	2.93	3.12	3.09	5.02	ppb
Lead	208-1	3.28	3.01	3.08	3.12	4.55	ppb
Lithium	6-1				110		%
Magnesium	24-2	5387.49	5490.35	5439.82	5439.22	0.95	ppb
Manganese	55-2	1716.22	1690.88	1628.10	1678.40	2.70	ppb
Molybdenum	94-1	4.19	3.69	3.75	3.88	7.12	ppb
Molybdenum	95-1	0.22	0.27	0.28	0.26	11.44	ppb
Molybdenum	96-1	0.85	0.84	0.73	0.81	8.06	ppb
Molybdenum	97-1	0.28	0.30	0.22	0.27	15.38	ppb
Molybdenum	98-1	0.27	0.29	0.28	0.28	3.12	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	23.11	23.02	22.77	22.96	0.77	ppb
Phosphorus	31-2	643.71	533.18	694.82	623.90	13.24	ppb
Potassium	39-2	289.46	309.85	306.74	302.02	3.64	ppb
Rhodium	103-1				109		%
Rhodium	103-2				106		%
Scandium	45-1				112		%
Scandium	45-2				104		%
Selenium	82-1	0.79	0.73	1.01	0.85	17.45	ppb
Selenium	77-2	9.18	7.61	14.29	10.36	33.71	ppb
Selenium	78-2	0.78	1.38	2.86	1.67	63.93	ppb
Silicon	28-1	1889.20	1743.62	1816.98	1816.60	4.01	ppb
Silver	107-1	2.33	2.17	2.22	2.24	3.65	ppb
Silver	109-1	2.25	2.18	2.15	2.19	2.49	ppb
Sodium	23-2	301.03	303.56	295.65	300.08	1.35	ppb
Strontium	86-1	93.43	86.34	83.96	87.91	5.60	ppb
Strontium	88-1	93.86	89.22	86.92	90.00	3.93	ppb
Sulfur	34-1	-2386.33	-2729.43	-2833.91	-2649.89		ppb
Terbium	159-1				114		%
Terbium	159-2				106		%
Thallium	203-1	0.01	0.02	0.01	0.02	18.09	ppb
Thallium	205-1	0.02	0.03	0.03	0.02	31.86	ppb
Tin	118-1	1.29	1.20	1.26	1.25	3.58	ppb

LB Number :	LB116309	Operator :	Jaswal
Lab Sample ID :	M3713-01A	Instrumnet Name :	P8
Client Sample ID :	JCF03A	Dilution Factor :	1
Date & Time Acquired ::	2021-09-14 19:00:51	DataFile Name :	048AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Titanium	47-1	223.20	215.92	212.27	217.13	2.56	ppb
Uranium	238-1	0.22	0.21	0.22	0.22	2.72	ppb
Vanadium	51-2	104.24	104.31	102.16	103.57	1.18	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				112		%
Yttrium	89-2				104		%
Zinc	66-2	114.38	117.82	114.58	115.59	1.67	ppb
Zirconium	90-1	24.44	23.71	22.13	23.43	5.04	ppb
Zirconium	91-1	24.44	23.57	21.27	23.09	7.10	ppb

LB Number :	LB116309	Operator :	Jaswal
Lab Sample ID :	CCV028	Instrumnet Name :	P8
Client Sample ID :	CCV028	Dilution Factor :	1
Date & Time Acquired ::	2021-09-14 19:19:39	DataFile Name :	050CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	50323.47	50295.82	51108.38	50575.89	0.91	ppb
Antimony	121-1	490.45	508.17	500.36	499.66	1.78	ppb
Arsenic	75-2	499.33	514.15	517.62	510.37	1.90	ppb
Barium	135-1	2459.65	2595.53	2529.69	2528.29	2.69	ppb
Barium	137-1	2452.35	2508.57	2509.45	2490.12	1.31	ppb
Beryllium	9-1	480.55	513.84	498.79	497.72	3.35	ppb
Bismuth	209-1				95		%
Bismuth	209-2				92		%
Boron	10-1	499.63	540.33	541.08	527.01	4.50	ppb
Boron	11-1	531.88	552.19	539.32	541.13	1.90	ppb
Bromine	81-1						cps
Cadmium	111-1	509.02	515.22	508.69	510.98	0.72	ppb
Cadmium	106-1	507.91	516.94	504.80	509.89	1.24	ppb
Cadmium	108-1	494.30	518.43	494.95	502.56	2.74	ppb
Calcium	43-1	240370.84	248863.57	244462.46	244565.62	1.74	ppb
Calcium	44-1	243717.28	245342.39	239113.90	242724.52	1.33	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	464.55	477.67	481.38	474.53	1.86	ppb
Cobalt	59-2	485.10	482.98	489.44	485.84	0.68	ppb
Copper	63-2	4882.87	5024.22	4954.09	4953.73	1.43	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				103		%
Holmium	165-2				101		%
Indium	115-1				98		%
Indium	115-2				98		%
Iron	54-2	126184.60	125374.74	124890.32	125483.22	0.52	ppb
Iron	56-2	126565.14	125950.74	128356.30	126957.39	0.98	ppb
Iron	57-2	126261.68	124785.65	127528.90	126192.08	1.09	ppb

LB Number :	LB116309	Operator :	Jaswal
Lab Sample ID :	CCV028	Instrumnet Name :	P8
Client Sample ID :	CCV028	Dilution Factor :	1
Date & Time Acquired ::	2021-09-14 19:19:39	DataFile Name :	050CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Krypton	83-1						cps
Lead	206-1	2581.64	2598.94	2567.52	2582.70	0.61	ppb
Lead	207-1	2570.41	2615.05	2505.44	2563.64	2.15	ppb
Lead	208-1	2597.48	2615.53	2523.86	2578.96	1.88	ppb
Lithium	6-1				101		%
Magnesium	24-2	255629.07	253297.79	259336.04	256087.63	1.19	ppb
Manganese	55-2	5112.17	5128.51	5106.53	5115.73	0.22	ppb
Molybdenum	94-1	2490.88	2559.39	2461.80	2504.02	2.00	ppb
Molybdenum	95-1	2479.09	2591.51	2518.03	2529.54	2.26	ppb
Molybdenum	96-1	2507.98	2608.00	2517.25	2544.41	2.17	ppb
Molybdenum	97-1	2495.74	2585.60	2505.82	2529.05	1.95	ppb
Molybdenum	98-1	2473.50	2593.36	2537.53	2534.80	2.37	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	465.07	468.27	473.53	468.96	0.91	ppb
Phosphorus	31-2	9581.08	9350.65	9977.84	9636.53	3.29	ppb
Potassium	39-2	121188.76	121887.35	122206.61	121760.91	0.43	ppb
Rhodium	103-1				95		%
Rhodium	103-2				95		%
Scandium	45-1				101		%
Scandium	45-2				102		%
Selenium	82-1	511.16	522.33	514.15	515.88	1.12	ppb
Selenium	77-2	502.02	515.36	541.66	519.68	3.88	ppb
Selenium	78-2	480.56	503.24	514.80	499.53	3.49	ppb
Silicon	28-1	563.08	617.69	600.98	593.92	4.71	ppb
Silver	107-1	504.84	519.00	504.00	509.28	1.65	ppb
Silver	109-1	502.97	528.00	503.90	511.62	2.77	ppb
Sodium	23-2	257234.67	255542.22	257159.08	256645.32	0.37	ppb
Strontium	86-1	4935.56	5111.96	5073.55	5040.36	1.84	ppb
Strontium	88-1	4972.57	5134.13	4983.56	5030.09	1.79	ppb
Sulfur	34-1	9212.86	10203.70	9288.65	9568.40	5.76	ppb
Terbium	159-1				105		%
Terbium	159-2				103		%
Thallium	203-1	522.84	520.03	530.31	524.39	1.01	ppb
Thallium	205-1	520.26	508.93	503.13	510.78	1.71	ppb
Tin	118-1	496.32	511.35	515.82	507.83	2.01	ppb

LB Number :	LB116309	Operator :	Jaswal
Lab Sample ID :	CCV028	Instrumnet Name :	P8
Client Sample ID :	CCV028	Dilution Factor :	1
Date & Time Acquired ::	2021-09-14 19:19:39	DataFile Name :	050CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Titanium	47-1	2579.91	2646.62	2533.08	2586.54	2.21	ppb
Uranium	238-1	537.18	525.34	523.80	528.77	1.38	ppb
Vanadium	51-2	473.69	480.66	482.43	478.92	0.97	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				102		%
Yttrium	89-2				101		%
Zinc	66-2	4827.42	4835.56	4909.60	4857.53	0.93	ppb
Zirconium	90-1	5088.69	5153.32	4976.69	5072.90	1.76	ppb
Zirconium	91-1	5073.07	5214.42	5176.37	5154.62	1.42	ppb

LB Number : LB116309 Operator : Jaswal
 Lab Sample ID : CCB028 Instrumnet Name : P8
 Client Sample ID : CCB028 Dilution Factor : 1
 Date & Time Acquired :: 2021-09-14 19:27:27 DataFile Name : 051CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	0.01	0.27	0.59	0.29	101.40	ppb
Antimony	121-1	0.07	0.08	0.10	0.09	20.53	ppb
Arsenic	75-2	-0.01	-0.03	-0.01	-0.02		ppb
Barium	135-1	-0.03	-0.02	0.03	0.00		ppb
Barium	137-1	0.00	0.07	0.06	0.04	79.43	ppb
Beryllium	9-1	0.00	0.00	0.00	0.00	21.89	ppb
Bismuth	209-1				107		%
Bismuth	209-2				102		%
Boron	10-1	14.13	14.60	13.54	14.09	3.80	ppb
Boron	11-1	15.19	15.37	14.11	14.89	4.57	ppb
Bromine	81-1						cps
Cadmium	111-1	0.03	0.02	0.01	0.02	50.64	ppb
Cadmium	106-1	-0.22	-2.56	-0.34	-1.04		ppb
Cadmium	108-1	0.01	-0.12	-0.03	-0.05		ppb
Calcium	43-1	1.84	2.81	1.97	2.21	23.86	ppb
Calcium	44-1	-1.08	1.07	0.24	0.08	1381.85	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	0.00	0.01	-0.01	0.00	24527.89	ppb
Cobalt	59-2	0.00	0.01	0.01	0.01	94.84	ppb
Copper	63-2	-0.02	-0.01	0.00	-0.01		ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				106		%
Holmium	165-2				101		%
Indium	115-1				105		%
Indium	115-2				102		%
Iron	54-2	0.85	0.75	1.15	0.92	22.65	ppb
Iron	56-2	0.65	0.51	0.99	0.72	34.08	ppb
Iron	57-2	0.27	0.88	0.35	0.50	66.64	ppb

LB Number :	LB116309	Operator :	Jaswal
Lab Sample ID :	CCB028	Instrumnet Name :	P8
Client Sample ID :	CCB028	Dilution Factor :	1
Date & Time Acquired ::	2021-09-14 19:27:27	DataFile Name :	051CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Krypton	83-1						cps
Lead	206-1	0.08	0.07	0.05	0.07	18.95	ppb
Lead	207-1	0.07	0.07	0.06	0.07	6.44	ppb
Lead	208-1	0.07	0.07	0.06	0.07	9.73	ppb
Lithium	6-1				106		%
Magnesium	24-2	0.87	1.49	1.98	1.44	38.45	ppb
Manganese	55-2	0.18	0.18	0.14	0.17	11.57	ppb
Molybdenum	94-1	0.00	0.04	0.05	0.03	95.50	ppb
Molybdenum	95-1	0.05	0.04	0.03	0.04	21.59	ppb
Molybdenum	96-1	0.06	0.04	0.04	0.04	23.04	ppb
Molybdenum	97-1	0.05	0.03	0.03	0.04	26.91	ppb
Molybdenum	98-1	0.04	0.03	0.02	0.03	36.88	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	-0.32	-0.33	-0.32	-0.32		ppb
Phosphorus	31-2	3.28	-12.90	-9.98	-6.53		ppb
Potassium	39-2	-0.41	4.14	2.17	1.97	115.90	ppb
Rhodium	103-1				107		%
Rhodium	103-2				104		%
Scandium	45-1				104		%
Scandium	45-2				100		%
Selenium	82-1	0.44	-0.10	0.68	0.34	117.54	ppb
Selenium	77-2	0.00	0.00	0.00	0.00	N/A	ppb
Selenium	78-2	-0.33	-0.81	-0.30	-0.48		ppb
Silicon	28-1	-1.41	-1.11	-1.41	-1.31		ppb
Silver	107-1	0.02	0.02	0.02	0.02	11.35	ppb
Silver	109-1	0.03	0.02	0.02	0.02	32.70	ppb
Sodium	23-2	13.22	13.83	16.78	14.61	13.05	ppb
Strontium	86-1	-0.03	-0.06	0.07	-0.01		ppb
Strontium	88-1	0.03	0.03	0.02	0.02	10.88	ppb
Sulfur	34-1	-1809.30	-1558.53	-1871.77	-1746.53		ppb
Terbium	159-1				107		%
Terbium	159-2				103		%
Thallium	203-1	0.04	0.02	-0.01	0.01	157.47	ppb
Thallium	205-1	0.02	0.01	0.02	0.02	50.17	ppb
Tin	118-1	0.01	0.01	0.04	0.02	108.21	ppb

LB Number :	LB116309	Operator :	Jaswal
Lab Sample ID :	CCB028	Instrumnet Name :	P8
Client Sample ID :	CCB028	Dilution Factor :	1
Date & Time Acquired ::	2021-09-14 19:27:27	DataFile Name :	051CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Titanium	47-1	0.00	-0.03	-0.03	-0.02		ppb
Uranium	238-1	0.00	0.00	0.00	0.00	129.26	ppb
Vanadium	51-2	0.00	0.00	0.00	0.00	630.59	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				106		%
Yttrium	89-2				102		%
Zinc	66-2	-0.04	0.07	0.23	0.08	163.00	ppb
Zirconium	90-1	0.18	0.26	-0.05	0.13	124.29	ppb
Zirconium	91-1	-0.22	-0.05	-0.03	-0.10		ppb

LB Number : LB116309 Operator : Jaswal
 Lab Sample ID : TUNE Instrumnet Name : P8
 Client Sample ID : TUNE034 Dilution Factor : 1
 Date & Time Acquired :: 2021-09-14 15:47:38 DataFile Name : 001SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	226	164	179	190	17.21	cps
Antimony	121-1	1708	1450	1508	1556	8.71	cps
Arsenic	75-2	83	89	68	80	13.52	cps
Barium	135-1	392	275	208	292	31.82	cps
Barium	137-1	633	675	483	597	16.88	cps
Beryllium	9-1	1086	1138	1082	1102	2.83	cps
Bismuth	209-1	13728525	14248509	13201641	13726225	3.81	cps
Bismuth	209-2	6339340	6414125	6257892	6337119	1.23	cps
Boron	10-1	472	392	464	443	9.95	cps
Boron	11-1	2070	1984	2130	2061	3.56	cps
Bromine	81-1	6969	7029	7199	7066	1.69	cps
Cadmium	111-1	141	251	149	180	34.13	cps
Cadmium	106-1	10546	10588	9770	10301	4.47	cps
Cadmium	108-1	1363	1325	1163	1283	8.28	cps
Calcium	43-1	485	539	521	515	5.32	cps
Calcium	44-1	20923	20644	20830	20799	0.68	cps
Carbon	12-1	5138928	5181861	5324227	5215005	1.86	cps
Carbon	12-2	50596	52085	50688	51123	1.63	cps
Chlorine	35-1	4035339	3931082	3705173	3890532	4.34	cps
Chlorine	35-2	22034	20031	20048	20704	5.56	cps
Chromium	52-2	857	880	937	891	4.62	cps
Cobalt	59-2	410	380	437	409	6.93	cps
Copper	63-2	1207	1333	1217	1252	5.62	cps
Dysprosium	156-1	50	17	33	33	50.00	cps
Dysprosium	156-2	3	3	3	3	0.00	cps
Erbium	164-1	92	67	117	92	27.27	cps
Erbium	164-2	50	43	47	47	7.15	cps
Gadolinium	160-1	108	158	100	122	25.81	cps
Gadolinium	160-2	53	40	37	43	20.34	cps
Holmium	165-1	21597119	22190598	21189564	21659094	2.32	cps
Holmium	165-2	8934477	9111878	8900526	8982294	1.26	cps
Indium	115-1	18363747	18973596	18008422	18448588	2.65	cps
Indium	115-2	2414132	2443966	2405139	2421079	0.84	cps
Iron	54-2	561	589	539	563	4.45	cps
Iron	56-2	6713	7196	7241	7050	4.15	cps
Iron	57-2	128	217	161	169	26.65	cps

LB Number :	LB116309	Operator :	Jaswal
Lab Sample ID :	TUNE	Instrumnet Name :	P8
Client Sample ID :	TUNE034	Dilution Factor :	1
Date & Time Acquired ::	2021-09-14 15:47:38	DataFile Name :	001SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Krypton	83-1	607	537	533	559	7.41	cps
Lead	206-1	1989	2145	1917	2017	5.77	cps
Lead	207-1	1711	1834	1978	1841	7.25	cps
Lead	208-1	7990	8351	8290	8210	2.35	cps
Lithium	6-1	10584969	10698819	10465691	10583160	1.10	cps
Magnesium	24-2	983	942	1075	1000	6.82	cps
Manganese	55-2	230	287	267	261	11.01	cps
Molybdenum	94-1	1475	1583	1350	1470	7.95	cps
Molybdenum	95-1	1633	2109	1600	1781	15.97	cps
Molybdenum	96-1	2309	2042	1859	2070	10.94	cps
Molybdenum	97-1	1083	1058	1150	1097	4.32	cps
Molybdenum	98-1	2625	2650	2200	2492	10.15	cps
Neodymium	150-1	13	33	20	22	45.83	cps
Neodymium	150-2	0	3	0	1	173.21	cps
Nickel	60-2	183	200	170	184	8.15	cps
Phosphorus	31-2	92	108	142	114	22.35	cps
Potassium	39-2	10421	10704	10454	10526	1.47	cps
Rhodium	103-1	17450660	17990148	17312331	17584380	2.04	cps
Rhodium	103-2	7521095	7463091	7502017	7495401	0.39	cps
Scandium	45-1	13715211	14071889	13320919	13702673	2.74	cps
Scandium	45-2	379474	388894	381321	383230	1.30	cps
Selenium	82-1	-27	70	89	44	142.30	cps
Selenium	77-2	0	0	0	0	0.00	cps
Selenium	78-2	29	23	19	24	21.27	cps
Silicon	28-1	295315	294720	287640	292558	1.46	cps
Silver	107-1	258	375	225	286	27.53	cps
Silver	109-1	200	158	175	178	11.80	cps
Sodium	23-2	16660	16893	16159	16571	2.26	cps
Strontium	86-1	1208	1517	1658	1461	15.75	cps
Strontium	88-1	3901	3934	4109	3981	2.81	cps
Sulfur	34-1	509686	511070	517630	512795	0.83	cps
Terbium	159-1	22631331	22991315	22535066	22719237	1.06	cps
Terbium	159-2	8609508	8739675	8780241	8709808	1.02	cps
Thallium	203-1	5343	4851	4976	5057	5.06	cps
Thallium	205-1	12315	12615	11347	12092	5.48	cps
Tin	118-1	2550	2342	2225	2373	6.94	cps

LB Number :	LB116309	Operator :	Jaswal
Lab Sample ID :	TUNE	Instrumnet Name :	P8
Client Sample ID :	TUNE034	Dilution Factor :	1
Date & Time Acquired ::	2021-09-14 15:47:38	DataFile Name :	001SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Titanium	47-1	325	267	392	328	19.08	cps
Uranium	238-1	2125	2209	1984	2106	5.40	cps
Vanadium	51-2	123	157	150	143	12.30	cps
Ytterbium	172-1	308	408	358	358	13.95	cps
Ytterbium	172-2	117	94	133	115	16.99	cps
Ytterbium	176-1	2917	2659	2725	2767	4.85	cps
Ytterbium	176-2	1161	1495	1545	1400	14.89	cps
Yttrium	89-1	30542980	31239005	29833702	30538562	2.30	cps
Yttrium	89-2	2881902	2913530	2845430	2880287	1.18	cps
Zinc	66-2	317	307	280	301	6.29	cps
Zirconium	90-1	1633	1758	1733	1708	3.87	cps
Zirconium	91-1	258	433	450	381	27.90	cps

LB Number :	LB116309	Operator :	Jaswal
Lab Sample ID :	S00	Instrumnet Name :	P8
Client Sample ID :	S0	Dilution Factor :	1
Date & Time Acquired ::	2021-09-14 16:14:48	DataFile Name :	002CALB.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	86	91	90	89	2.92	cps
Antimony	121-1	92	25	33	50	72.65	cps
Arsenic	75-2	12	9	5	9	40.52	cps
Barium	135-1	150	200	158	169	15.81	cps
Barium	137-1	183	125	117	142	25.64	cps
Beryllium	9-1	76	38	74	63	34.13	cps
Bismuth	209-1	13038737	13414248	13590286	13347757	2.11	cps
Bismuth	209-2	6217799	6444973	6213581	6292118	2.10	cps
Boron	10-1	452	460	474	462	2.41	cps
Boron	11-1	2038	1912	1954	1968	3.26	cps
Bromine	81-1	7019	7540	6729	7096	5.79	cps
Cadmium	111-1	-3	22	5	8	164.08	cps
Cadmium	106-1	8053	8470	8344	8289	2.58	cps
Cadmium	108-1	75	42	58	58	28.57	cps
Calcium	43-1	377	356	290	341	13.37	cps
Calcium	44-1	18407	17474	17859	17914	2.62	cps
Carbon	12-1	5079816	5139311	5112305	5110477	0.58	cps
Carbon	12-2	50220	50303	50696	50406	0.51	cps
Chlorine	35-1	586369	585389	585797	585852	0.08	cps
Chlorine	35-2	3567	3751	3601	3639	2.68	cps
Chromium	52-2	667	713	697	692	3.42	cps
Cobalt	59-2	77	87	123	96	25.71	cps
Copper	63-2	1187	1190	1247	1208	2.79	cps
Dysprosium	156-1	17	0	8	8	100.02	cps
Dysprosium	156-2	7	13	3	8	65.47	cps
Erbium	164-1	92	133	117	114	18.41	cps
Erbium	164-2	33	40	53	42	24.12	cps
Gadolinium	160-1	125	133	83	114	23.52	cps
Gadolinium	160-2	47	47	53	49	7.86	cps
Holmium	165-1	21383574	21442703	22105857	21644045	1.85	cps
Holmium	165-2	8798563	8874962	8802091	8825205	0.49	cps
Indium	115-1	18065874	18443607	18332110	18280530	1.06	cps
Indium	115-2	2342886	2403760	2382526	2376391	1.30	cps
Iron	54-2	272	222	367	287	25.56	cps
Iron	56-2	2450	2345	2867	2554	10.81	cps
Iron	57-2	111	78	100	96	17.62	cps

LB Number :	LB116309	Operator :	Jaswal
Lab Sample ID :	S00	Instrumnet Name :	P8
Client Sample ID :	S0	Dilution Factor :	1
Date & Time Acquired ::	2021-09-14 16:14:48	DataFile Name :	002CALB.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Krypton	83-1	690	570	610	623	9.80	cps
Lead	206-1	656	567	667	630	8.71	cps
Lead	207-1	600	589	533	574	6.22	cps
Lead	208-1	2617	2467	2628	2571	3.50	cps
Lithium	6-1	10375126	10332832	10577560	10428506	1.25	cps
Magnesium	24-2	217	283	283	261	14.74	cps
Manganese	55-2	73	87	90	83	10.59	cps
Molybdenum	94-1	583	483	575	547	10.14	cps
Molybdenum	95-1	50	83	33	56	45.83	cps
Molybdenum	96-1	250	125	208	194	32.73	cps
Molybdenum	97-1	50	50	50	50	0.00	cps
Molybdenum	98-1	158	158	83	133	32.47	cps
Neodymium	150-1	7	7	13	9	43.25	cps
Neodymium	150-2	7	0	0	2	173.21	cps
Nickel	60-2	400	450	373	408	9.54	cps
Phosphorus	31-2	100	150	192	147	31.18	cps
Potassium	39-2	10387	10354	10371	10371	0.16	cps
Rhodium	103-1	16524408	17132667	17292254	16983109	2.39	cps
Rhodium	103-2	7326499	7419369	7325326	7357065	0.73	cps
Scandium	45-1	13481757	13517055	13630708	13543173	0.57	cps
Scandium	45-2	383302	384437	382872	383537	0.21	cps
Selenium	82-1	-122	22	-53	-51	-140.90	cps
Selenium	77-2	0	0	0	0	0.00	cps
Selenium	78-2	28	26	31	28	8.88	cps
Silicon	28-1	286761	286772	287345	286959	0.12	cps
Silver	107-1	150	217	200	189	18.37	cps
Silver	109-1	92	25	42	53	65.74	cps
Sodium	23-2	13415	13648	13657	13573	1.01	cps
Strontium	86-1	1067	925	1017	1003	7.16	cps
Strontium	88-1	992	442	483	639	47.93	cps
Sulfur	34-1	531461	527287	522657	527135	0.84	cps
Terbium	159-1	21358595	21903167	22067176	21776313	1.70	cps
Terbium	159-2	8333681	8551915	8328133	8404576	1.52	cps
Thallium	203-1	575	725	492	597	19.80	cps
Thallium	205-1	1608	1142	1450	1400	16.95	cps
Tin	118-1	875	858	867	867	0.96	cps

LB Number :	LB116309	Operator :	Jaswal
Lab Sample ID :	S00	Instrumnet Name :	P8
Client Sample ID :	S0	Dilution Factor :	1
Date & Time Acquired ::	2021-09-14 16:14:48	DataFile Name :	002CALB.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Titanium	47-1	175	250	208	211	17.80	cps
Uranium	238-1	58	25	42	42	40.00	cps
Vanadium	51-2	10	7	10	9	21.63	cps
Ytterbium	172-1	83	50	42	58	37.80	cps
Ytterbium	172-2	33	11	17	20	56.76	cps
Ytterbium	176-1	2192	2542	2167	2300	9.12	cps
Ytterbium	176-2	2211	2528	2439	2393	6.83	cps
Yttrium	89-1	29160905	29651650	30132906	29648487	1.64	cps
Yttrium	89-2	2857648	2865022	2783189	2835286	1.60	cps
Zinc	66-2	187	257	187	210	19.24	cps
Zirconium	90-1	1267	1458	1458	1395	7.94	cps
Zirconium	91-1	275	400	358	344	18.48	cps

LB Number :	LB116309	Operator :	Jaswal
Lab Sample ID :	S01	Instrumnet Name :	P8
Client Sample ID :	S01	Dilution Factor :	1
Date & Time Acquired ::	2021-09-14 16:20:57	DataFile Name :	004CAL.S.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	245	249	276	257	6.65	cps
Antimony	121-1	1892	1834	1767	1831	3.42	cps
Arsenic	75-2	37	26	39	34	20.59	cps
Barium	135-1	2325	2134	2167	2209	4.64	cps
Barium	137-1	4042	4176	4409	4209	4.41	cps
Beryllium	9-1	420	396	382	399	4.81	cps
Bismuth	209-1	13009674	14326727	13348265	13561556	5.04	cps
Bismuth	209-2	6289509	6434920	6515008	6413146	1.78	cps
Boron	10-1	1258	1388	1410	1352	6.08	cps
Boron	11-1	5962	6144	6454	6187	4.02	cps
Bromine	81-1	7329	7390	6628	7116	5.95	cps
Cadmium	111-1	313	270	268	284	9.12	cps
Cadmium	106-1	8686	8920	8895	8834	1.45	cps
Cadmium	108-1	83	71	67	74	11.78	cps
Calcium	43-1	2084	2084	1989	2052	2.67	cps
Calcium	44-1	46826	46177	45971	46325	0.96	cps
Carbon	12-1	5232781	5403552	5331523	5322619	1.61	cps
Carbon	12-2	51457	52871	52511	52280	1.40	cps
Chlorine	35-1	541171	539632	541240	540681	0.17	cps
Chlorine	35-2	3242	3400	3517	3387	4.08	cps
Chromium	52-2	1230	1200	1180	1203	2.09	cps
Cobalt	59-2	563	583	577	574	1.77	cps
Copper	63-2	Rejected	Rejected	Rejected			cps
Dysprosium	156-1	8	8	17	11	43.34	cps
Dysprosium	156-2	3	7	3	4	43.40	cps
Erbium	164-1	158	83	108	117	32.73	cps
Erbium	164-2	37	77	40	51	43.42	cps
Gadolinium	160-1	108	175	142	142	23.53	cps
Gadolinium	160-2	37	50	43	43	15.38	cps
Holmium	165-1	20388274	22684087	22051430	21707931	5.46	cps
Holmium	165-2	8660728	9080698	9082324	8941250	2.72	cps
Indium	115-1	17441055	19022748	18590337	18351380	4.45	cps
Indium	115-2	2358490	2422303	2472087	2417627	2.36	cps
Iron	54-2	983	861	1011	952	8.38	cps
Iron	56-2	13006	12750	13117	12958	1.45	cps
Iron	57-2	244	306	317	289	13.46	cps

LB Number :	LB116309	Operator :	Jaswal
Lab Sample ID :	S01	Instrumnet Name :	P8
Client Sample ID :	S01	Dilution Factor :	1
Date & Time Acquired ::	2021-09-14 16:20:57	DataFile Name :	004CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Krypton	83-1	530	637	550	572	9.91	cps
Lead	206-1	1356	1283	1528	1389	9.04	cps
Lead	207-1	1289	1417	1239	1315	6.97	cps
Lead	208-1	5678	5728	5528	5645	1.84	cps
Lithium	6-1	10446557	11045038	10824022	10771873	2.81	cps
Magnesium	24-2	11388	11271	11530	11396	1.14	cps
Manganese	55-2	240	233	173	216	17.03	cps
Molybdenum	94-1	2559	2825	2509	2631	6.47	cps
Molybdenum	95-1	2434	2209	2209	2284	5.69	cps
Molybdenum	96-1	2700	2567	2992	2753	7.90	cps
Molybdenum	97-1	1542	1400	1375	1439	6.25	cps
Molybdenum	98-1	4034	3842	3867	3915	2.66	cps
Neodymium	150-1	0	13	20	11	91.66	cps
Neodymium	150-2	0	3	7	3	100.05	cps
Nickel	60-2	Rejected	Rejected	Rejected			cps
Phosphorus	31-2	125	92	100	106	16.43	cps
Potassium	39-2	17411	16885	16693	16997	2.19	cps
Rhodium	103-1	16420514	17782842	17353477	17185611	4.05	cps
Rhodium	103-2	7360647	7646958	7829390	7612332	3.10	cps
Scandium	45-1	12795263	13889255	13627662	13437394	4.25	cps
Scandium	45-2	380617	394841	402770	392743	2.86	cps
Selenium	82-1	Rejected	Rejected	Rejected			cps
Selenium	77-2	7	7	7	7	0.00	cps
Selenium	78-2	26	26	39	30	24.74	cps
Silicon	28-1	292694	299472	291088	294418	1.51	cps
Silver	107-1	1375	1275	1367	1339	4.14	cps
Silver	109-1	1233	1208	1167	1203	2.80	cps
Sodium	23-2	35126	34567	34809	34834	0.81	cps
Strontium	86-1	1242	1183	1458	1295	11.19	cps
Strontium	88-1	4167	4034	3292	3831	12.31	cps
Sulfur	34-1	533093	536770	534654	534839	0.34	cps
Terbium	159-1	22013431	23694764	22502827	22737007	3.80	cps
Terbium	159-2	8440325	8758635	8932343	8710434	2.86	cps
Thallium	203-1	1425	1425	1258	1370	7.03	cps
Thallium	205-1	3317	3117	3601	3345	7.26	cps
Tin	118-1	4709	4509	4851	4690	3.66	cps

LB Number :	LB116309	Operator :	Jaswal
Lab Sample ID :	S01	Instrumnet Name :	P8
Client Sample ID :	S01	Dilution Factor :	1
Date & Time Acquired ::	2021-09-14 16:20:57	DataFile Name :	004CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Titanium	47-1	900	958	908	922	3.42	cps
Uranium	238-1	2692	2267	2534	2498	8.60	cps
Vanadium	51-2	1067	1023	1040	1043	2.10	cps
Ytterbium	172-1	83	42	58	61	34.32	cps
Ytterbium	172-2	22	22	22	22	0.00	cps
Ytterbium	176-1	2225	2625	2459	2436	8.25	cps
Ytterbium	176-2	1706	1639	1506	1617	6.30	cps
Yttrium	89-1	28099134	31382109	29909605	29796949	5.52	cps
Yttrium	89-2	2818546	3014989	2970677	2934737	3.51	cps
Zinc	66-2	Rejected	Rejected	Rejected			cps
Zirconium	90-1	2950	3192	3134	3092	4.08	cps
Zirconium	91-1	492	767	567	608	23.37	cps

LB Number : LB116309 Operator : Jaswal
 Lab Sample ID : S02 Instrumnet Name : P8
 Client Sample ID : S02 Dilution Factor : 1
 Date & Time Acquired :: 2021-09-14 16:24:01 DataFile Name : 005CAL.S.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	1554	1524	1564	1547	1.35	cps
Antimony	121-1	16160	16444	16911	16505	2.30	cps
Arsenic	75-2	236	215	218	223	5.10	cps
Barium	135-1	20716	20800	21326	20947	1.58	cps
Barium	137-1	37837	36910	37168	37305	1.28	cps
Beryllium	9-1	3446	3334	3532	3437	2.89	cps
Bismuth	209-1	14334134	13697117	13417414	13816222	3.40	cps
Bismuth	209-2	6361929	6406418	6344524	6370957	0.50	cps
Boron	10-1	8707	9191	9535	9144	4.55	cps
Boron	11-1	39537	42617	45495	42550	7.00	cps
Bromine	81-1	7239	7350	6668	7086	5.16	cps
Cadmium	111-1	2410	2053	2118	2193	8.66	cps
Cadmium	106-1	9420	8661	9062	9048	4.20	cps
Cadmium	108-1	192	296	233	240	21.82	cps
Calcium	43-1	16655	16589	16738	16660	0.45	cps
Calcium	44-1	282098	281526	281488	281704	0.12	cps
Carbon	12-1	5216049	5070161	5055495	5113902	1.74	cps
Carbon	12-2	49610	48765	49124	49166	0.86	cps
Chlorine	35-1	508848	517362	512133	512781	0.84	cps
Chlorine	35-2	3234	3501	3300	3345	4.15	cps
Chromium	52-2	5801	5858	6075	5911	2.44	cps
Cobalt	59-2	4711	4801	4864	4792	1.61	cps
Copper	63-2	7149	7442	6952	7181	3.44	cps
Dysprosium	156-1	17	17	25	19	24.73	cps
Dysprosium	156-2	13	3	3	7	86.65	cps
Erbium	164-1	183	192	83	153	39.46	cps
Erbium	164-2	70	87	43	67	32.79	cps
Gadolinium	160-1	100	142	167	136	24.74	cps
Gadolinium	160-2	30	47	43	40	22.05	cps
Holmium	165-1	22673379	22050942	21389616	22037979	2.91	cps
Holmium	165-2	9021995	9103178	8926959	9017378	0.98	cps
Indium	115-1	19192539	18971860	17536483	18566961	4.84	cps
Indium	115-2	2416123	2448918	2435587	2433543	0.68	cps
Iron	54-2	6079	6107	6129	6105	0.41	cps
Iron	56-2	105503	104318	103182	104334	1.11	cps
Iron	57-2	2428	2739	2578	2582	6.03	cps

LB Number :	LB116309	Operator :	Jaswal
Lab Sample ID :	S02	Instrumnet Name :	P8
Client Sample ID :	S02	Dilution Factor :	1
Date & Time Acquired ::	2021-09-14 16:24:01	DataFile Name :	005CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Krypton	83-1	550	520	537	536	2.81	cps
Lead	206-1	7619	7608	7369	7532	1.88	cps
Lead	207-1	6335	6185	6113	6211	1.83	cps
Lead	208-1	29975	29119	28479	29191	2.57	cps
Lithium	6-1	10743514	11120487	10386882	10750294	3.41	cps
Magnesium	24-2	107698	106111	106572	106794	0.76	cps
Manganese	55-2	1313	1303	1373	1330	2.85	cps
Molybdenum	94-1	18730	19155	19472	19119	1.95	cps
Molybdenum	95-1	23061	23429	22895	23128	1.18	cps
Molybdenum	96-1	24998	25265	25415	25226	0.84	cps
Molybdenum	97-1	14742	14374	13916	14344	2.88	cps
Molybdenum	98-1	38170	37669	36515	37451	2.27	cps
Neodymium	150-1	20	13	20	18	21.66	cps
Neodymium	150-2	0	3	0	1	173.21	cps
Nickel	60-2	1297	1327	1303	1309	1.20	cps
Phosphorus	31-2	100	142	92	111	24.11	cps
Potassium	39-2	75808	74149	75624	75194	1.21	cps
Rhodium	103-1	17726446	17651393	16749942	17375927	3.13	cps
Rhodium	103-2	7602326	7639222	7627285	7622944	0.25	cps
Scandium	45-1	14438911	14229512	12931653	13866692	5.89	cps
Scandium	45-2	397113	394505	394719	395446	0.37	cps
Selenium	82-1	945	940	951	945	0.56	cps
Selenium	77-2	10	37	33	27	54.49	cps
Selenium	78-2	95	109	96	100	7.81	cps
Silicon	28-1	385316	384920	384085	384774	0.16	cps
Silver	107-1	11672	11238	10838	11249	3.71	cps
Silver	109-1	10780	10346	10221	10449	2.81	cps
Sodium	23-2	217762	220511	218057	218777	0.69	cps
Strontium	86-1	4359	4401	4367	4376	0.50	cps
Strontium	88-1	29599	29231	28062	28964	2.77	cps
Sulfur	34-1	527626	525806	526531	526655	0.17	cps
Terbium	159-1	23222431	22444639	21637346	22434805	3.53	cps
Terbium	159-2	8842962	8945172	8841903	8876679	0.67	cps
Thallium	203-1	9153	8737	8670	8853	2.96	cps
Thallium	205-1	20208	21694	20701	20867	3.63	cps
Tin	118-1	37694	35889	36900	36828	2.46	cps

LB Number :	LB116309	Operator :	Jaswal
Lab Sample ID :	S02	Instrumnet Name :	P8
Client Sample ID :	S02	Dilution Factor :	1
Date & Time Acquired ::	2021-09-14 16:24:01	DataFile Name :	005CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Titanium	47-1	7602	7986	7285	7624	4.60	cps
Uranium	238-1	25368	24624	25844	25279	2.43	cps
Vanadium	51-2	10260	10137	9937	10111	1.61	cps
Ytterbium	172-1	42	50	42	44	10.82	cps
Ytterbium	172-2	17	17	22	19	17.30	cps
Ytterbium	176-1	2534	2350	2184	2356	7.43	cps
Ytterbium	176-2	1611	1683	1500	1598	5.78	cps
Yttrium	89-1	31863743	30455843	28726111	30348566	5.18	cps
Yttrium	89-2	2941679	2884382	2911732	2912598	0.98	cps
Zinc	66-2	1247	1113	1067	1142	8.18	cps
Zirconium	90-1	16735	16802	16327	16621	1.55	cps
Zirconium	91-1	3492	3801	3317	3537	6.92	cps

LB Number : LB116309 Operator : Jaswal
 Lab Sample ID : S03 Instrumnet Name : P8
 Client Sample ID : S03 Dilution Factor : 1
 Date & Time Acquired :: 2021-09-14 16:27:07 DataFile Name : 006CAL.S.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	72280	71219	70896	71465	1.01	cps
Antimony	121-1	425883	431252	421520	426218	1.14	cps
Arsenic	75-2	11501	11465	11712	11559	1.16	cps
Barium	135-1	531831	525297	531090	529406	0.68	cps
Barium	137-1	924668	915151	922633	920817	0.54	cps
Beryllium	9-1	168277	170179	169026	169161	0.57	cps
Bismuth	209-1	13595720	13817609	13801446	13738258	0.90	cps
Bismuth	209-2	6252255	5878488	6426661	6185801	4.53	cps
Boron	10-1	18532	19291	20222	19348	4.37	cps
Boron	11-1	82482	89741	93793	88672	6.46	cps
Bromine	81-1	6889	7620	7600	7370	5.65	cps
Cadmium	111-1	114301	115498	114724	114841	0.53	cps
Cadmium	106-1	22661	21968	22761	22463	1.92	cps
Cadmium	108-1	9203	9424	9224	9284	1.31	cps
Calcium	43-1	172656	173400	172969	173008	0.22	cps
Calcium	44-1	2801026	2815706	2835337	2817356	0.61	cps
Carbon	12-1	5299361	5315515	5505711	5373529	2.14	cps
Carbon	12-2	54928	55932	55321	55394	0.91	cps
Chlorine	35-1	502172	497037	498817	499342	0.52	cps
Chlorine	35-2	3467	2992	3217	3225	7.37	cps
Chromium	52-2	128959	129881	130553	129798	0.62	cps
Cobalt	59-2	233906	231341	235426	233558	0.88	cps
Copper	63-2	1802249	1797958	1864094	1821434	2.03	cps
Dysprosium	156-1	33	58	58	50	28.87	cps
Dysprosium	156-2	10	3	0	4	114.60	cps
Erbium	164-1	125	142	108	125	13.33	cps
Erbium	164-2	63	73	33	57	36.74	cps
Gadolinium	160-1	167	133	175	158	13.92	cps
Gadolinium	160-2	50	43	60	51	16.42	cps
Holmium	165-1	21987888	22298998	22433445	22240110	1.03	cps
Holmium	165-2	8874998	8374289	8984646	8744644	3.72	cps
Indium	115-1	18688275	18890177	18441672	18673374	1.20	cps
Indium	115-2	2437732	2192071	2502574	2377459	6.89	cps
Iron	54-2	289576	286882	285851	287436	0.67	cps
Iron	56-2	5249188	5313673	5162752	5241871	1.44	cps
Iron	57-2	129230	130295	128659	129395	0.64	cps

LB Number :	LB116309	Operator :	Jaswal
Lab Sample ID :	S03	Instrumnet Name :	P8
Client Sample ID :	S03	Dilution Factor :	1
Date & Time Acquired ::	2021-09-14 16:27:07	DataFile Name :	006CAL.S.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Krypton	83-1	577	500	600	559	9.36	cps
Lead	206-1	1772998	1737077	1757721	1755932	1.03	cps
Lead	207-1	1450712	1447933	1432467	1443704	0.68	cps
Lead	208-1	6912403	6870971	6796944	6860106	0.85	cps
Lithium	6-1	11121938	10980555	11236739	11113077	1.15	cps
Magnesium	24-2	1149705	1155336	1161765	1155602	0.52	cps
Manganese	55-2	629344	631641	618999	626661	1.07	cps
Molybdenum	94-1	936119	940697	946047	940954	0.53	cps
Molybdenum	95-1	1142665	1135917	1134366	1137649	0.39	cps
Molybdenum	96-1	1269558	1248509	1272840	1263636	1.04	cps
Molybdenum	97-1	706298	709922	699407	705209	0.76	cps
Molybdenum	98-1	1807260	1808593	1793815	1803223	0.45	cps
Neodymium	150-1	47	20	40	36	39.03	cps
Neodymium	150-2	3	3	20	9	108.30	cps
Nickel	60-2	64432	63903	62219	63518	1.82	cps
Phosphorus	31-2	3692	3834	3917	3814	2.98	cps
Potassium	39-2	357355	355088	344507	352317	1.95	cps
Rhodium	103-1	17354110	17367683	17562905	17428233	0.67	cps
Rhodium	103-2	7550990	6863935	7653959	7356295	5.84	cps
Scandium	45-1	13741119	13974236	14015750	13910368	1.06	cps
Scandium	45-2	394210	358415	388492	380372	5.06	cps
Selenium	82-1	8780	9110	9008	8966	1.88	cps
Selenium	77-2	257	243	197	232	13.57	cps
Selenium	78-2	765	793	740	766	3.46	cps
Silicon	28-1	784681	807170	840091	810647	3.44	cps
Silver	107-1	591632	591900	593989	592507	0.22	cps
Silver	109-1	572046	573685	573301	573011	0.15	cps
Sodium	23-2	2159190	2160842	2174192	2164741	0.38	cps
Strontium	86-1	1487437	1509896	1501443	1499592	0.76	cps
Strontium	88-1	12833800	13089065	12980366	12967744	0.99	cps
Sulfur	34-1	588987	593385	582403	588258	0.94	cps
Terbium	159-1	22931205	22113595	22517314	22520705	1.82	cps
Terbium	159-2	8773070	8004604	8580949	8452874	4.73	cps
Thallium	203-1	408897	422415	421256	417523	1.79	cps
Thallium	205-1	1009639	997201	1008500	1005113	0.68	cps
Tin	118-1	385617	379509	375210	380112	1.38	cps

LB Number :	LB116309	Operator :	Jaswal
Lab Sample ID :	S03	Instrumnet Name :	P8
Client Sample ID :	S03	Dilution Factor :	1
Date & Time Acquired ::	2021-09-14 16:27:07	DataFile Name :	006CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Titanium	47-1	371721	377390	369266	372792	1.12	cps
Uranium	238-1	1267611	1298568	1303418	1289866	1.51	cps
Vanadium	51-2	102430	101920	100732	101694	0.86	cps
Ytterbium	172-1	50	50	42	47	10.18	cps
Ytterbium	172-2	28	39	22	30	28.65	cps
Ytterbium	176-1	4117	4117	4209	4148	1.28	cps
Ytterbium	176-2	2178	1867	2278	2108	10.17	cps
Yttrium	89-1	30075672	31074300	30558786	30569586	1.63	cps
Yttrium	89-2	2882052	2682961	2964418	2843144	5.09	cps
Zinc	66-2	207757	209190	209794	208914	0.50	cps
Zirconium	90-1	806807	818195	809626	811543	0.73	cps
Zirconium	91-1	179674	178907	178543	179041	0.32	cps

LB Number : LB116309 Operator : Jaswal
 Lab Sample ID : S04 Instrumnet Name : P8
 Client Sample ID : S04 Dilution Factor : 1
 Date & Time Acquired :: 2021-09-14 16:30:10 DataFile Name : 007CAL.S.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	177124	177388	175973	176828	0.43	cps
Antimony	121-1	1079528	1086775	1078207	1081503	0.43	cps
Arsenic	75-2	29174	29002	28686	28954	0.85	cps
Barium	135-1	1342347	1335052	1317473	1331624	0.96	cps
Barium	137-1	2314727	2340250	2306645	2320540	0.76	cps
Beryllium	9-1	412937	416784	416559	415426	0.52	cps
Bismuth	209-1	13328506	14278882	14410398	14005929	4.21	cps
Bismuth	209-2	6428771	6130241	6528273	6362428	3.26	cps
Boron	10-1	45521	48256	49712	47829	4.45	cps
Boron	11-1	209182	225872	228433	221162	4.73	cps
Bromine	81-1	7259	7470	6829	7186	4.55	cps
Cadmium	111-1	286479	289540	291602	289207	0.89	cps
Cadmium	106-1	41747	42508	43695	42650	2.30	cps
Cadmium	108-1	22347	23370	23286	23001	2.47	cps
Calcium	43-1	434465	440504	436019	436996	0.72	cps
Calcium	44-1	6964446	7083258	6871526	6973076	1.52	cps
Carbon	12-1	5740092	5748153	5958091	5815445	2.13	cps
Carbon	12-2	57656	57178	57254	57362	0.45	cps
Chlorine	35-1	479894	479726	476559	478726	0.39	cps
Chlorine	35-2	3167	2725	3050	2981	7.68	cps
Chromium	52-2	323374	323972	320668	322671	0.55	cps
Cobalt	59-2	577120	591764	575973	581619	1.51	cps
Copper	63-2	4413586	4483401	4429051	4442013	0.83	cps
Dysprosium	156-1	108	75	58	81	31.61	cps
Dysprosium	156-2	23	23	23	23	0.00	cps
Erbium	164-1	133	150	167	150	11.11	cps
Erbium	164-2	57	37	57	50	23.09	cps
Gadolinium	160-1	167	200	183	183	9.09	cps
Gadolinium	160-2	113	53	63	77	41.93	cps
Holmium	165-1	21328605	23317974	23558941	22735174	5.38	cps
Holmium	165-2	9110105	8764575	9170341	9015007	2.43	cps
Indium	115-1	17718519	19458984	19591584	18923029	5.52	cps
Indium	115-2	2416172	2363273	2499930	2426458	2.84	cps
Iron	54-2	701649	715206	708887	708581	0.96	cps
Iron	56-2	12755329	13176971	12858181	12930160	1.70	cps
Iron	57-2	322521	317527	320830	320293	0.79	cps

LB Number : LB116309 Operator : Jaswal
 Lab Sample ID : S04 Instrumnet Name : P8
 Client Sample ID : S04 Dilution Factor : 1
 Date & Time Acquired :: 2021-09-14 16:30:10 DataFile Name : 007CAL.S.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Krypton	83-1	543	563	553	553	1.81	cps
Lead	206-1	4390938	4385473	4366098	4380836	0.30	cps
Lead	207-1	3835846	3703693	3796393	3778644	1.80	cps
Lead	208-1	17460081	17106845	17401293	17322740	1.09	cps
Lithium	6-1	10519889	11001888	11462471	10994749	4.29	cps
Magnesium	24-2	2779040	2771057	2720952	2757016	1.14	cps
Manganese	55-2	1560645	1605366	1582618	1582876	1.41	cps
Molybdenum	94-1	2326053	2392515	2389360	2369309	1.58	cps
Molybdenum	95-1	2863080	2925041	2848435	2878852	1.41	cps
Molybdenum	96-1	3168688	3205835	3234769	3203097	1.03	cps
Molybdenum	97-1	1772671	1803039	1796987	1790899	0.90	cps
Molybdenum	98-1	4579699	4598883	4551174	4576586	0.52	cps
Neodymium	150-1	127	127	100	118	13.07	cps
Neodymium	150-2	17	23	17	19	20.36	cps
Nickel	60-2	157128	157926	155258	156771	0.87	cps
Phosphorus	31-2	9120	9070	9312	9167	1.39	cps
Potassium	39-2	865287	851888	861898	859691	0.81	cps
Rhodium	103-1	16886868	17904929	18081461	17624419	3.66	cps
Rhodium	103-2	7431656	7383068	7687844	7500856	2.18	cps
Scandium	45-1	13352876	14387445	14450742	14063688	4.38	cps
Scandium	45-2	391499	383331	395325	390052	1.57	cps
Selenium	82-1	22824	22445	22533	22601	0.88	cps
Selenium	77-2	670	500	567	579	14.80	cps
Selenium	78-2	1958	1938	1967	1955	0.76	cps
Silicon	28-1	1192824	1202692	1261562	1219026	3.05	cps
Silver	107-1	1467849	1518304	1511057	1499070	1.82	cps
Silver	109-1	1418618	1431503	1430536	1426886	0.50	cps
Sodium	23-2	5260170	5247546	5097515	5201744	1.74	cps
Strontium	86-1	3872841	3727926	3920077	3840281	2.61	cps
Strontium	88-1	33481786	32331465	32641080	32818110	1.81	cps
Sulfur	34-1	677311	674565	677052	676309	0.22	cps
Terbium	159-1	22001609	23928981	23890504	23273698	4.73	cps
Terbium	159-2	8732594	8471293	9067492	8757126	3.41	cps
Thallium	203-1	1039761	1058775	1046974	1048503	0.92	cps
Thallium	205-1	2547627	2564008	2554525	2555387	0.32	cps
Tin	118-1	942642	966914	957239	955598	1.28	cps

LB Number :	LB116309	Operator :	Jaswal
Lab Sample ID :	S04	Instrumnet Name :	P8
Client Sample ID :	S04	Dilution Factor :	1
Date & Time Acquired ::	2021-09-14 16:30:10	DataFile Name :	007CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Titanium	47-1	950228	947818	956513	951520	0.47	cps
Uranium	238-1	3346454	3332629	3369370	3349484	0.55	cps
Vanadium	51-2	255323	254044	249801	253056	1.14	cps
Ytterbium	172-1	33	75	117	75	55.56	cps
Ytterbium	172-2	22	28	17	22	25.00	cps
Ytterbium	176-1	6352	6418	7069	6613	5.99	cps
Ytterbium	176-2	3156	3278	3195	3210	1.95	cps
Yttrium	89-1	29962020	31700785	31941077	31201294	3.46	cps
Yttrium	89-2	2857115	2879921	2949253	2895430	1.66	cps
Zinc	66-2	519822	517172	513459	516818	0.62	cps
Zirconium	90-1	2052713	2106339	2055453	2071502	1.46	cps
Zirconium	91-1	445112	448242	454204	449186	1.03	cps

LB Number :	LB116309	Operator :	Jaswal
Lab Sample ID :	S05	Instrumnet Name :	P8
Client Sample ID :	S05	Dilution Factor :	1
Date & Time Acquired ::	2021-09-14 16:33:16	DataFile Name :	008CAL.S.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	361219	357810	355505	358178	0.80	cps
Antimony	121-1	2168833	2172421	2182554	2174603	0.33	cps
Arsenic	75-2	58323	57890	58795	58336	0.78	cps
Barium	135-1	2729204	2691404	2692534	2704381	0.80	cps
Barium	137-1	4633162	4618187	4656306	4635885	0.41	cps
Beryllium	9-1	833829	828610	833928	832122	0.37	cps
Bismuth	209-1	13998632	13750806	13304094	13684511	2.57	cps
Bismuth	209-2	6260396	6466754	6545363	6424171	2.29	cps
Boron	10-1	92690	96072	102740	97168	5.26	cps
Boron	11-1	425982	447281	469121	447462	4.82	cps
Bromine	81-1	7219	7470	7440	7376	1.85	cps
Cadmium	111-1	566627	575672	582653	574984	1.40	cps
Cadmium	106-1	74619	74426	72969	74005	1.22	cps
Cadmium	108-1	46951	46867	46098	46639	1.01	cps
Calcium	43-1	868604	875437	890109	878050	1.25	cps
Calcium	44-1	14062369	14071395	14398145	14177303	1.35	cps
Carbon	12-1	6031128	6093022	6389411	6171187	3.10	cps
Carbon	12-2	62425	62684	63161	62757	0.60	cps
Chlorine	35-1	475721	477183	474703	475869	0.26	cps
Chlorine	35-2	3709	2734	3067	3170	15.64	cps
Chromium	52-2	652077	650371	645419	649289	0.53	cps
Cobalt	59-2	1169659	1174916	1168957	1171177	0.28	cps
Copper	63-2	8943467	8901940	8897630	8914346	0.28	cps
Dysprosium	156-1	142	208	92	147	39.76	cps
Dysprosium	156-2	77	37	47	53	39.03	cps
Erbium	164-1	158	217	175	183	16.39	cps
Erbium	164-2	57	63	63	61	6.29	cps
Gadolinium	160-1	167	283	250	233	25.75	cps
Gadolinium	160-2	83	120	117	107	19.01	cps
Holmium	165-1	23666780	23168009	21869087	22901292	4.05	cps
Holmium	165-2	8877252	9358788	9221692	9152578	2.71	cps
Indium	115-1	18711252	19315658	18158534	18728481	3.09	cps
Indium	115-2	2422802	2506967	2431735	2453835	1.88	cps
Iron	54-2	1499861	1520739	1454465	1491688	2.27	cps
Iron	56-2	26050488	26415127	25986889	26150835	0.88	cps
Iron	57-2	659770	641443	638984	646732	1.76	cps

LB Number : LB116309 Operator : Jaswal
 Lab Sample ID : S05 Instrumnet Name : P8
 Client Sample ID : S05 Dilution Factor : 1
 Date & Time Acquired :: 2021-09-14 16:33:16 DataFile Name : 008CAL.S.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Krypton	83-1	537	573	717	609	15.62	cps
Lead	206-1	8773589	8646948	8687128	8702555	0.74	cps
Lead	207-1	7562095	7749440	7495684	7602406	1.73	cps
Lead	208-1	34622878	34641226	34839858	34701320	0.35	cps
Lithium	6-1	10943821	11254683	10516582	10905029	3.40	cps
Magnesium	24-2	5707767	5396544	5637567	5580626	2.93	cps
Manganese	55-2	3232979	3220214	3184113	3212435	0.79	cps
Molybdenum	94-1	4727027	4706333	4711861	4715074	0.23	cps
Molybdenum	95-1	5889795	5826755	5823935	5846828	0.64	cps
Molybdenum	96-1	6463835	6501192	6562786	6509271	0.77	cps
Molybdenum	97-1	3483442	3539687	3522464	3515198	0.82	cps
Molybdenum	98-1	9062827	9338051	9311833	9237570	1.64	cps
Neodymium	150-1	173	187	200	187	7.14	cps
Neodymium	150-2	27	13	37	26	45.82	cps
Nickel	60-2	317773	315760	314458	315997	0.53	cps
Phosphorus	31-2	18420	17986	18896	18434	2.47	cps
Potassium	39-2	1742035	1791414	1749114	1760854	1.52	cps
Rhodium	103-1	17437293	17676793	17192297	17435461	1.39	cps
Rhodium	103-2	7402654	7674175	7453342	7510057	1.92	cps
Scandium	45-1	14169753	14249091	13807334	14075393	1.67	cps
Scandium	45-2	391916	408759	406907	402527	2.29	cps
Selenium	82-1	44809	45236	45129	45058	0.49	cps
Selenium	77-2	1107	1203	1133	1148	4.35	cps
Selenium	78-2	3903	3684	3872	3820	3.10	cps
Silicon	28-1	2064347	2123504	2225631	2137828	3.82	cps
Silver	107-1	3049715	3024784	2965056	3013185	1.44	cps
Silver	109-1	2786391	2887909	2913822	2862707	2.35	cps
Sodium	23-2	10624652	10406067	10619445	10550055	1.18	cps
Strontium	86-1	7636554	7655037	7680617	7657403	0.29	cps
Strontium	88-1	66102391	65809441	66629601	66180478	0.63	cps
Sulfur	34-1	813559	810066	818916	814180	0.55	cps
Terbium	159-1	23337374	23154598	22423170	22971714	2.11	cps
Terbium	159-2	8699455	8954570	9016579	8890201	1.89	cps
Thallium	203-1	2142623	2111981	2191202	2148602	1.86	cps
Thallium	205-1	5041456	5012104	5101386	5051649	0.90	cps
Tin	118-1	1876759	1970378	1922136	1923091	2.43	cps

LB Number :	LB116309	Operator :	Jaswal
Lab Sample ID :	S05	Instrumnet Name :	P8
Client Sample ID :	S05	Dilution Factor :	1
Date & Time Acquired ::	2021-09-14 16:33:16	DataFile Name :	008CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Titanium	47-1	1872389	1911875	1928785	1904350	1.52	cps
Uranium	238-1	6543251	6663313	6675454	6627339	1.10	cps
Vanadium	51-2	515805	515878	508417	513367	0.84	cps
Ytterbium	172-1	58	100	42	67	45.07	cps
Ytterbium	172-2	28	6	28	20	62.97	cps
Ytterbium	176-1	10855	11664	11455	11325	3.71	cps
Ytterbium	176-2	4779	5179	4807	4921	4.54	cps
Yttrium	89-1	30812299	31647446	30235915	30898553	2.30	cps
Yttrium	89-2	2889642	3022614	2959091	2957116	2.25	cps
Zinc	66-2	1045479	1030059	1040455	1038664	0.76	cps
Zirconium	90-1	4157072	4142406	4182555	4160678	0.49	cps
Zirconium	91-1	902455	906560	910366	906460	0.44	cps

LB Number :	LB116309	Operator :	Jaswal
Lab Sample ID :	S06	Instrumnet Name :	P8
Client Sample ID :	S06	Dilution Factor :	1
Date & Time Acquired ::	2021-09-14 16:36:19	DataFile Name :	009CAL.S.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	709690	701560	701990	704413	0.65	cps
Antimony	121-1	4168467	4265808	4247642	4227305	1.22	cps
Arsenic	75-2	114194	114510	114700	114468	0.22	cps
Barium	135-1	5219727	5340930	5302018	5287558	1.17	cps
Barium	137-1	8965207	9101360	9215050	9093872	1.38	cps
Beryllium	9-1	1684026	1708763	1666530	1686440	1.26	cps
Bismuth	209-1	13880074	12994899	13652966	13509313	3.40	cps
Bismuth	209-2	6749869	6079386	6396956	6408737	5.23	cps
Boron	10-1	182426	195719	200206	192783	4.80	cps
Boron	11-1	839401	876948	864215	860188	2.22	cps
Bromine	81-1	7420	7450	7139	7336	2.33	cps
Cadmium	111-1	1105254	1139443	1108705	1117801	1.68	cps
Cadmium	106-1	137170	136845	137626	137214	0.29	cps
Cadmium	108-1	88821	90767	90411	90000	1.15	cps
Calcium	43-1	1758159	1786832	1820769	1788587	1.75	cps
Calcium	44-1	27004933	27857797	27811626	27558119	1.74	cps
Carbon	12-1	6660453	6848591	7014294	6841113	2.59	cps
Carbon	12-2	72588	71709	73844	72714	1.48	cps
Chlorine	35-1	459926	453030	463592	458849	1.17	cps
Chlorine	35-2	2875	2759	3000	2878	4.20	cps
Chromium	52-2	1282473	1262196	1289014	1277895	1.09	cps
Cobalt	59-2	2404677	2356295	2323308	2361427	1.73	cps
Copper	63-2	17116241	17187151	17584252	17295881	1.46	cps
Dysprosium	156-1	350	233	367	317	22.94	cps
Dysprosium	156-2	100	77	120	99	21.93	cps
Erbium	164-1	292	217	200	236	20.68	cps
Erbium	164-2	103	70	83	86	19.61	cps
Gadolinium	160-1	383	367	292	347	14.06	cps
Gadolinium	160-2	120	167	160	149	16.95	cps
Holmium	165-1	22850260	21726302	22128285	22234949	2.56	cps
Holmium	165-2	9789269	8955331	9286066	9343555	4.49	cps
Indium	115-1	19245823	17995348	18256960	18499377	3.57	cps
Indium	115-2	2595553	2397349	2446070	2479657	4.17	cps
Iron	54-2	2958256	2945146	2972295	2958565	0.46	cps
Iron	56-2	50351215	50890191	52097582	51112996	1.75	cps
Iron	57-2	1272393	1262480	1274180	1269684	0.50	cps

LB Number :	LB116309	Operator :	Jaswal
Lab Sample ID :	S06	Instrumnet Name :	P8
Client Sample ID :	S06	Dilution Factor :	1
Date & Time Acquired ::	2021-09-14 16:36:19	DataFile Name :	009CAL.S.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Krypton	83-1	573	663	590	609	7.86	cps
Lead	206-1	17038171	17187485	17254968	17160208	0.65	cps
Lead	207-1	14429333	15073105	14878097	14793512	2.23	cps
Lead	208-1	67089440	69064613	68415163	68189739	1.48	cps
Lithium	6-1	11206713	10327793	10354813	10629773	4.70	cps
Magnesium	24-2	10931177	10809028	10841448	10860551	0.58	cps
Manganese	55-2	6293657	6348810	6350643	6331037	0.51	cps
Molybdenum	94-1	9312719	9459215	9377126	9383020	0.78	cps
Molybdenum	95-1	11562742	11554332	11590082	11569052	0.16	cps
Molybdenum	96-1	12782790	12862495	12615992	12753759	0.99	cps
Molybdenum	97-1	6985051	6912433	6981242	6959576	0.59	cps
Molybdenum	98-1	18385852	18240338	18256273	18294154	0.44	cps
Neodymium	150-1	347	367	280	331	13.71	cps
Neodymium	150-2	60	23	47	43	42.83	cps
Nickel	60-2	606301	616568	619422	614097	1.12	cps
Phosphorus	31-2	35853	35310	36305	35823	1.39	cps
Potassium	39-2	3408995	3433999	3398352	3413782	0.54	cps
Rhodium	103-1	17335608	16319498	17246470	16967192	3.32	cps
Rhodium	103-2	7957808	7118251	7518365	7531475	5.58	cps
Scandium	45-1	14099116	13190256	14022038	13770470	3.66	cps
Scandium	45-2	418112	390075	408565	405584	3.51	cps
Selenium	82-1	86942	87372	87829	87381	0.51	cps
Selenium	77-2	2157	2170	2124	2150	1.12	cps
Selenium	78-2	7512	7561	7546	7539	0.33	cps
Silicon	28-1	3604070	3829564	3951932	3795189	4.65	cps
Silver	107-1	5806518	5842880	5902607	5850668	0.83	cps
Silver	109-1	5429784	5399082	5600972	5476613	1.99	cps
Sodium	23-2	20638459	20535978	20688766	20621067	0.38	cps
Strontium	86-1	14837676	15045236	15152564	15011825	1.07	cps
Strontium	88-1	128480170	132380857	133255103	131372043	1.94	cps
Sulfur	34-1	980047	989110	1013081	994079	1.72	cps
Terbium	159-1	23247763	21924709	23729360	22967277	4.07	cps
Terbium	159-2	9520439	8631643	8974917	9042333	4.96	cps
Thallium	203-1	4202304	4158838	4161918	4174353	0.58	cps
Thallium	205-1	9653977	9996657	9988113	9879582	1.98	cps
Tin	118-1	3792251	3873804	3801549	3822534	1.17	cps

LB Number :	LB116309	Operator :	Jaswal
Lab Sample ID :	S06	Instrumnet Name :	P8
Client Sample ID :	S06	Dilution Factor :	1
Date & Time Acquired ::	2021-09-14 16:36:19	DataFile Name :	009CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Titanium	47-1	3686815	3765291	3739829	3730645	1.07	cps
Uranium	238-1	12948631	13232006	12835135	13005257	1.57	cps
Vanadium	51-2	1007110	1017821	1021822	1015584	0.75	cps
Ytterbium	172-1	67	83	67	72	13.33	cps
Ytterbium	172-2	22	33	28	28	20.00	cps
Ytterbium	176-1	19248	19106	18931	19095	0.83	cps
Ytterbium	176-2	8319	8331	8731	8460	2.77	cps
Yttrium	89-1	30673570	29603033	30990190	30422264	2.39	cps
Yttrium	89-2	3145214	2913014	2994098	3017442	3.91	cps
Zinc	66-2	2046310	2027557	2051629	2041832	0.62	cps
Zirconium	90-1	8061568	8153124	8275880	8163524	1.32	cps
Zirconium	91-1	1816018	1820478	1850387	1828961	1.02	cps

LB Number :	LB116309	Operator :	Jaswal
Lab Sample ID :	S07	Instrumnet Name :	P8
Client Sample ID :	S07	Dilution Factor :	1
Date & Time Acquired ::	2021-09-14 16:39:25	DataFile Name :	010CAL.S.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	1469803	1446684	1475923	1464137	1.05	cps
Antimony	121-1	8165756	8459038	8541608	8388801	2.35	cps
Arsenic	75-2	228457	230308	228176	228981	0.51	cps
Barium	135-1	10459739	10621231	10774868	10618613	1.48	cps
Barium	137-1	18301366	18770174	18393242	18488261	1.34	cps
Beryllium	9-1	3274236	3240136	3376813	3297061	2.16	cps
Bismuth	209-1	13652262	13897098	14064771	13871377	1.50	cps
Bismuth	209-2	6286671	6033360	5945388	6088473	2.91	cps
Boron	10-1	372707	395729	413869	394102	5.23	cps
Boron	11-1	1576871	1686615	1812303	1691930	6.96	cps
Bromine	81-1	7870	7600	7680	7717	1.80	cps
Cadmium	111-1	2193209	2255212	2184835	2211085	1.74	cps
Cadmium	106-1	266232	275297	266099	269210	1.96	cps
Cadmium	108-1	177727	177932	181596	179085	1.22	cps
Calcium	43-1	3554555	3487655	3584318	3542176	1.40	cps
Calcium	44-1	54679485	55547580	56495309	55574125	1.63	cps
Carbon	12-1	7514625	7899922	8176520	7863689	4.23	cps
Carbon	12-2	83931	85264	83998	84398	0.89	cps
Chlorine	35-1	453439	452648	455013	453700	0.27	cps
Chlorine	35-2	2659	2825	3109	2864	7.94	cps
Chromium	52-2	2665406	2631916	2579886	2625736	1.64	cps
Cobalt	59-2	4626414	4596284	4685219	4635972	0.98	cps
Copper	63-2	34197804	34234516	33951604	34127975	0.45	cps
Dysprosium	156-1	500	492	450	481	5.57	cps
Dysprosium	156-2	223	163	177	188	16.78	cps
Erbium	164-1	192	175	258	208	21.17	cps
Erbium	164-2	80	100	87	89	11.46	cps
Gadolinium	160-1	517	583	583	561	6.86	cps
Gadolinium	160-2	263	273	263	267	2.17	cps
Holmium	165-1	23331649	23556843	23671339	23519943	0.73	cps
Holmium	165-2	9331358	8817275	9053840	9067491	2.84	cps
Indium	115-1	18767971	18959923	19754461	19160785	2.73	cps
Indium	115-2	2444826	2310978	2323125	2359643	3.14	cps
Iron	54-2	5854226	5904618	5606828	5788557	2.75	cps
Iron	56-2	100882113	103345555	102283327	102170332	1.21	cps
Iron	57-2	2631854	2663942	2708074	2667957	1.43	cps

LB Number : LB116309 Operator : Jaswal
 Lab Sample ID : S07 Instrumnet Name : P8
 Client Sample ID : S07 Dilution Factor : 1
 Date & Time Acquired :: 2021-09-14 16:39:25 DataFile Name : 010CAL.S.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Krypton	83-1	580	610	737	642	12.95	cps
Lead	206-1	34258642	34066863	34159623	34161710	0.28	cps
Lead	207-1	30056712	28960975	29010017	29342568	2.11	cps
Lead	208-1	136756242	134689920	134409411	135285191	0.95	cps
Lithium	6-1	11167644	10786214	11290217	11081358	2.37	cps
Magnesium	24-2	22171293	21862820	21760966	21931693	0.97	cps
Manganese	55-2	12318245	12409246	12346209	12357900	0.38	cps
Molybdenum	94-1	18899138	19152415	18987456	19013003	0.68	cps
Molybdenum	95-1	23326818	23227060	23186285	23246721	0.31	cps
Molybdenum	96-1	25812002	26125251	25644687	25860646	0.94	cps
Molybdenum	97-1	14292075	14224050	14077182	14197769	0.77	cps
Molybdenum	98-1	37321826	36679031	36592320	36864392	1.08	cps
Neodymium	150-1	720	633	673	676	6.42	cps
Neodymium	150-2	70	67	63	67	5.00	cps
Nickel	60-2	1216820	1223501	1227676	1222665	0.45	cps
Phosphorus	31-2	72633	69953	72206	71597	2.01	cps
Potassium	39-2	6938893	6994463	6754175	6895844	1.82	cps
Rhodium	103-1	17770725	17823475	18026775	17873658	0.76	cps
Rhodium	103-2	7392555	7034360	7142562	7189826	2.56	cps
Scandium	45-1	14398785	14593180	15077644	14689870	2.38	cps
Scandium	45-2	412703	380641	387198	393514	4.30	cps
Selenium	82-1	173077	174506	175771	174451	0.77	cps
Selenium	77-2	4314	4607	4277	4400	4.11	cps
Selenium	78-2	14787	15093	14942	14941	1.02	cps
Silicon	28-1	6882246	7161185	7151179	7064870	2.24	cps
Silver	107-1	11222828	11465625	11661152	11449868	1.92	cps
Silver	109-1	10992558	10927551	10740582	10886897	1.20	cps
Sodium	23-2	42068796	41770542	41349109	41729482	0.87	cps
Strontium	86-1	30178434	30263436	30916338	30452736	1.33	cps
Strontium	88-1	261560489	263850898	264276589	263229325	0.55	cps
Sulfur	34-1	1508009	1522534	1523715	1518086	0.58	cps
Terbium	159-1	23820930	24219355	24436418	24158901	1.29	cps
Terbium	159-2	8903492	8664327	8727503	8765107	1.41	cps
Thallium	203-1	8285953	8372615	8438796	8365788	0.92	cps
Thallium	205-1	20145745	19783082	19962890	19963905	0.91	cps
Tin	118-1	7395142	7375391	7588643	7453059	1.58	cps

LB Number :	LB116309	Operator :	Jaswal
Lab Sample ID :	S07	Instrumnet Name :	P8
Client Sample ID :	S07	Dilution Factor :	1
Date & Time Acquired ::	2021-09-14 16:39:25	DataFile Name :	010CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Titanium	47-1	7543643	7617444	7427716	7529601	1.27	cps
Uranium	238-1	26068245	25217802	26293722	25859923	2.19	cps
Vanadium	51-2	2124033	2126184	2021326	2090514	2.87	cps
Ytterbium	172-1	75	92	117	94	22.21	cps
Ytterbium	172-2	56	22	39	39	42.86	cps
Ytterbium	176-1	36802	36894	37019	36905	0.30	cps
Ytterbium	176-2	14886	16015	15749	15550	3.80	cps
Yttrium	89-1	31944694	31900320	32912665	32252559	1.77	cps
Yttrium	89-2	3018435	2912181	2923418	2951345	1.98	cps
Zinc	66-2	4041115	4085375	3908472	4011654	2.29	cps
Zirconium	90-1	16215420	16585701	16609188	16470103	1.34	cps
Zirconium	91-1	3663359	3662261	3686591	3670737	0.37	cps

LB Number :	LB116309	Operator :	Jaswal
Lab Sample ID :	S08	Instrumnet Name :	P8
Client Sample ID :	S08	Dilution Factor :	1
Date & Time Acquired ::	2021-09-14 16:45:36	DataFile Name :	012CAL.S.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	7392227	7339158	7427598	7386327	0.60	cps
Antimony	121-1	3250	3684	4059	3664	11.04	cps
Arsenic	75-2	66	73	72	70	5.38	cps
Barium	135-1	3751	4067	3967	3928	4.12	cps
Barium	137-1	6927	7077	7227	7077	2.12	cps
Beryllium	9-1	168	200	164	177	11.13	cps
Bismuth	209-1	12116896	11332278	11964292	11804489	3.52	cps
Bismuth	209-2	5865537	5890393	5823079	5859670	0.58	cps
Boron	10-1	16228	15393	14648	15423	5.12	cps
Boron	11-1	74442	72033	67485	71320	4.95	cps
Bromine	81-1	8381	8692	8041	8371	3.89	cps
Cadmium	111-1	311	340	374	342	9.15	cps
Cadmium	106-1	9053	8595	8770	8806	2.63	cps
Cadmium	108-1	171	188	129	163	18.49	cps
Calcium	43-1	16908786	17325745	17170325	17134952	1.23	cps
Calcium	44-1	275520230	279126700	276560450	277069127	0.67	cps
Carbon	12-1	5945401	6130968	6184980	6087117	2.06	cps
Carbon	12-2	70227	70093	70042	70121	0.14	cps
Chlorine	35-1	451847	449890	449884	450540	0.25	cps
Chlorine	35-2	2717	3359	3167	3081	10.69	cps
Chromium	52-2	5735	5511	5728	5658	2.25	cps
Cobalt	59-2	10627	10904	10904	10812	1.48	cps
Copper	63-2	6291	6505	6552	6449	2.15	cps
Dysprosium	156-1	1408	1458	1608	1492	6.98	cps
Dysprosium	156-2	720	700	693	704	1.97	cps
Erbium	164-1	300	325	333	319	5.43	cps
Erbium	164-2	140	140	133	138	2.79	cps
Gadolinium	160-1	1800	1450	1500	1583	11.96	cps
Gadolinium	160-2	820	860	837	839	2.39	cps
Holmium	165-1	21979278	20887534	22099833	21655548	3.08	cps
Holmium	165-2	9465868	9283184	9489734	9412929	1.20	cps
Indium	115-1	18149718	17137800	17894040	17727186	2.97	cps
Indium	115-2	2559562	2558670	2497047	2538426	1.41	cps
Iron	54-2	29505113	28615858	29419135	29180035	1.68	cps
Iron	56-2	522440912	525633701	519523156	522532589	0.58	cps
Iron	57-2	13322715	13373349	13389035	13361700	0.26	cps

LB Number :	LB116309	Operator :	Jaswal
Lab Sample ID :	S08	Instrumnet Name :	P8
Client Sample ID :	S08	Dilution Factor :	1
Date & Time Acquired ::	2021-09-14 16:45:36	DataFile Name :	012CAL.S.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Krypton	83-1	603	660	583	616	6.46	cps
Lead	206-1	13930	14336	13813	14026	1.96	cps
Lead	207-1	11633	11956	11839	11809	1.38	cps
Lead	208-1	55025	54757	55008	54930	0.27	cps
Lithium	6-1	10181871	9863289	10376231	10140463	2.55	cps
Magnesium	24-2	111678253	109209161	110970373	110619262	1.15	cps
Manganese	55-2	9693	9680	9577	9650	0.66	cps
Molybdenum	94-1	3992	4417	4067	4159	5.46	cps
Molybdenum	95-1	4459	4918	4326	4568	6.80	cps
Molybdenum	96-1	7519	7302	7627	7483	2.21	cps
Molybdenum	97-1	2309	2417	2117	2281	6.66	cps
Molybdenum	98-1	5476	5676	5943	5699	4.11	cps
Neodymium	150-1	53	27	60	47	37.79	cps
Neodymium	150-2	13	13	0	9	86.60	cps
Nickel	60-2	3040	3220	3147	3136	2.89	cps
Phosphorus	31-2	175	167	117	153	20.65	cps
Potassium	39-2	36527587	36564596	36617399	36569861	0.12	cps
Rhodium	103-1	16008779	15284869	16120425	15804691	2.87	cps
Rhodium	103-2	7262561	7264154	7120141	7215619	1.15	cps
Scandium	45-1	14333257	13751238	14654554	14246350	3.21	cps
Scandium	45-2	428709	431654	426936	429099	0.56	cps
Selenium	82-1	83	-8	74	50	100.96	cps
Selenium	77-2	0	0	3	1	173.21	cps
Selenium	78-2	40	37	25	34	23.34	cps
Silicon	28-1	574990	614051	644351	611131	5.69	cps
Silver	107-1	2425	2667	2384	2492	6.14	cps
Silver	109-1	2042	2400	2109	2184	8.73	cps
Sodium	23-2	213733771	214809505	216734238	215092505	0.71	cps
Strontium	86-1	12189	12506	11547	12081	4.05	cps
Strontium	88-1	98279	99765	98043	98696	0.95	cps
Sulfur	34-1	483060	487460	484255	484925	0.47	cps
Terbium	159-1	22775375	21122420	22586689	22161495	4.08	cps
Terbium	159-2	9052090	9043823	9102383	9066099	0.35	cps
Thallium	203-1	1133	992	1133	1086	7.53	cps
Thallium	205-1	2500	2584	2400	2495	3.68	cps
Tin	118-1	2834	2859	2834	2842	0.51	cps

LB Number :	LB116309	Operator :	Jaswal
Lab Sample ID :	S08	Instrumnet Name :	P8
Client Sample ID :	S08	Dilution Factor :	1
Date & Time Acquired ::	2021-09-14 16:45:36	DataFile Name :	012CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Titanium	47-1	2400	2509	2534	2481	2.86	cps
Uranium	238-1	2142	2334	2550	2342	8.73	cps
Vanadium	51-2	247	213	233	231	7.26	cps
Ytterbium	172-1	42	192	83	106	73.35	cps
Ytterbium	172-2	50	67	44	54	21.53	cps
Ytterbium	176-1	2375	2367	2242	2328	3.21	cps
Ytterbium	176-2	1328	1600	1528	1485	9.50	cps
Yttrium	89-1	31313687	30281867	32043882	31213145	2.84	cps
Yttrium	89-2	3165007	3200546	3197667	3187740	0.62	cps
Zinc	66-2	6071	6358	6121	6184	2.48	cps
Zirconium	90-1	5084	5109	5451	5215	3.93	cps
Zirconium	91-1	1125	1192	1058	1125	5.93	cps

LB Number : LB116309 Operator : Jaswal
 Lab Sample ID : ICV034 Instrumnet Name : P8
 Client Sample ID : ICV034 Dilution Factor : 1
 Date & Time Acquired :: 2021-09-14 17:10:39 DataFile Name : 014ICV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	34201	34327	34109	34212	0.32	cps
Antimony	121-1	1636782	1643209	1671070	1650354	1.10	cps
Arsenic	75-2	45637	45937	45784	45786	0.33	cps
Barium	135-1	212933	208833	204107	208624	2.12	cps
Barium	137-1	369804	368322	371143	369757	0.38	cps
Beryllium	9-1	328421	329497	324352	327423	0.83	cps
Bismuth	209-1	13891293	13972090	14345392	14069592	1.72	cps
Bismuth	209-2	6375924	6623854	6440597	6480125	1.98	cps
Boron	10-1	3040	3110	2984	3044	2.07	cps
Boron	11-1	13584	13548	13806	13646	1.02	cps
Bromine	81-1	7400	8191	7780	7790	5.08	cps
Cadmium	111-1	232393	227762	228983	229713	1.04	cps
Cadmium	106-1	30894	29407	30184	30162	2.47	cps
Cadmium	108-1	18880	19698	19180	19252	2.15	cps
Calcium	43-1	64788	63729	63138	63885	1.31	cps
Calcium	44-1	1051399	1041013	1034437	1042283	0.82	cps
Carbon	12-1	5475777	5789361	5792672	5685937	3.20	cps
Carbon	12-2	54401	56551	56141	55698	2.05	cps
Chlorine	35-1	357549	356932	355572	356684	0.28	cps
Chlorine	35-2	2192	2350	2167	2236	4.45	cps
Chromium	52-2	249784	251737	250480	250667	0.39	cps
Cobalt	59-2	455848	449320	457536	454235	0.96	cps
Copper	63-2	340012	338703	338864	339193	0.21	cps
Dysprosium	156-1	25	8	33	22	57.29	cps
Dysprosium	156-2	7	7	0	4	86.60	cps
Erbium	164-1	175	150	108	144	23.32	cps
Erbium	164-2	37	57	57	50	23.09	cps
Gadolinium	160-1	125	175	142	147	17.29	cps
Gadolinium	160-2	37	67	70	58	31.77	cps
Holmium	165-1	22075975	22909968	22683003	22556315	1.91	cps
Holmium	165-2	8873096	9252115	9109126	9078112	2.11	cps
Indium	115-1	18582743	19202199	19294011	19026318	2.03	cps
Indium	115-2	2454378	2519756	2468126	2480753	1.39	cps
Iron	54-2	221059	222916	222338	222104	0.43	cps
Iron	56-2	4030404	3984748	3914791	3976648	1.46	cps
Iron	57-2	98661	96665	98980	98102	1.28	cps

LB Number :	LB116309	Operator :	Jaswal
Lab Sample ID :	ICV034	Instrumnet Name :	P8
Client Sample ID :	ICV034	Dilution Factor :	1
Date & Time Acquired ::	2021-09-14 17:10:39	DataFile Name :	014ICV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Krypton	83-1	557	577	567	567	1.77	cps
Lead	206-1	1428264	1393398	1406538	1409400	1.25	cps
Lead	207-1	1204038	1169309	1210057	1194468	1.84	cps
Lead	208-1	5707447	5629438	5705899	5680928	0.79	cps
Lithium	6-1	11127541	11017163	11006230	11050311	0.61	cps
Magnesium	24-2	243079	242759	241605	242481	0.32	cps
Manganese	55-2	118898	119190	119526	119205	0.26	cps
Molybdenum	94-1	6444095	6212945	6279486	6312176	1.89	cps
Molybdenum	95-1	11293437	11225386	11291230	11270017	0.34	cps
Molybdenum	96-1	12088140	12063839	11924792	12025590	0.73	cps
Molybdenum	97-1	6974696	6812942	6870738	6886125	1.19	cps
Molybdenum	98-1	18197616	17986881	17651993	17945496	1.53	cps
Neodymium	150-1	33	53	13	33	60.01	cps
Neodymium	150-2	7	0	13	7	99.98	cps
Nickel	60-2	124049	126922	127388	126119	1.43	cps
Phosphorus	31-2	150	133	117	133	12.50	cps
Potassium	39-2	268172	266786	266679	267212	0.31	cps
Rhodium	103-1	18416809	17992271	17973306	18127462	1.38	cps
Rhodium	103-2	7695423	7743539	7601433	7680132	0.94	cps
Scandium	45-1	14238060	14164265	14438209	14280178	0.99	cps
Scandium	45-2	405893	402630	397749	402091	1.02	cps
Selenium	82-1	36047	36122	35860	36009	0.37	cps
Selenium	77-2	913	920	877	903	2.58	cps
Selenium	78-2	3068	3041	3126	3078	1.41	cps
Silicon	28-1	490878	532129	580457	534488	8.39	cps
Silver	107-1	573681	563720	567825	568409	0.88	cps
Silver	109-1	542790	537982	541270	540681	0.45	cps
Sodium	23-2	809996	795105	803275	802792	0.93	cps
Strontium	86-1	1917	7692	2025	3878	85.18	cps
Strontium	88-1	8278	58321	8853	25151	114.22	cps
Sulfur	34-1	535576	541961	535955	537831	0.67	cps
Terbium	159-1	22967071	22948469	23245913	23053818	0.72	cps
Terbium	159-2	8728999	8785734	8657264	8723999	0.74	cps
Thallium	203-1	1838239	1853073	1768112	1819808	2.49	cps
Thallium	205-1	4335231	4267830	4211732	4271597	1.45	cps
Tin	118-1	1367	2126	1325	1606	28.06	cps

LB Number :	LB116309	Operator :	Jaswal
Lab Sample ID :	ICV034	Instrumnet Name :	P8
Client Sample ID :	ICV034	Dilution Factor :	1
Date & Time Acquired ::	2021-09-14 17:10:39	DataFile Name :	014ICV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Titanium	47-1	3749920	3661174	3723619	3711571	1.23	cps
Uranium	238-1	67	993	67	375	142.45	cps
Vanadium	51-2	186337	193011	190486	189945	1.77	cps
Ytterbium	172-1	42	75	17	44	65.84	cps
Ytterbium	172-2	39	28	39	35	18.23	cps
Ytterbium	176-1	2350	2575	2625	2517	5.82	cps
Ytterbium	176-2	1728	1739	1972	1813	7.61	cps
Yttrium	89-1	31694439	31848791	31324346	31622525	0.85	cps
Yttrium	89-2	3015422	2995447	2915661	2975510	1.77	cps
Zinc	66-2	84809	84554	85234	84866	0.41	cps
Zirconium	90-1	2242	4079	2075	2799	39.73	cps
Zirconium	91-1	650	1359	792	934	40.18	cps

LB Number : LB116309 Operator : Jaswal
 Lab Sample ID : ICB034 Instrumnet Name : P8
 Client Sample ID : ICB034 Dilution Factor : 1
 Date & Time Acquired :: 2021-09-14 17:17:20 DataFile Name : 015CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	145	165	126	145	13.32	cps
Antimony	121-1	325	442	425	397	15.89	cps
Arsenic	75-2	3	7	6	5	39.03	cps
Barium	135-1	233	225	108	189	37.00	cps
Barium	137-1	258	233	258	250	5.77	cps
Beryllium	9-1	86	74	76	79	8.17	cps
Bismuth	209-1	13783681	14201016	13597146	13860614	2.23	cps
Bismuth	209-2	6514909	6629413	6441622	6528648	1.45	cps
Boron	10-1	2132	2132	2126	2130	0.16	cps
Boron	11-1	9439	9519	9075	9344	2.53	cps
Bromine	81-1	8221	7620	7470	7770	5.11	cps
Cadmium	111-1	26	9	16	17	49.83	cps
Cadmium	106-1	9345	9303	9228	9292	0.64	cps
Cadmium	108-1	42	33	54	43	24.36	cps
Calcium	43-1	354	357	397	370	6.56	cps
Calcium	44-1	19689	19613	19470	19590	0.57	cps
Carbon	12-1	5392539	5444907	5531293	5456246	1.28	cps
Carbon	12-2	54142	55330	54652	54708	1.09	cps
Chlorine	35-1	350452	356754	353297	353501	0.89	cps
Chlorine	35-2	2425	2350	2150	2309	6.16	cps
Chromium	52-2	740	797	703	747	6.30	cps
Cobalt	59-2	87	87	80	84	4.56	cps
Copper	63-2	807	747	787	780	3.92	cps
Dysprosium	156-1	17	17	8	14	34.67	cps
Dysprosium	156-2	10	7	3	7	50.03	cps
Erbium	164-1	133	75	167	125	37.12	cps
Erbium	164-2	47	40	53	47	14.28	cps
Gadolinium	160-1	150	125	192	156	21.65	cps
Gadolinium	160-2	33	53	63	50	30.55	cps
Holmium	165-1	22931276	22711581	22009394	22550750	2.14	cps
Holmium	165-2	9107020	9298072	8986862	9130652	1.72	cps
Indium	115-1	18786139	19615842	18667077	19023019	2.72	cps
Indium	115-2	2639933	2598979	2574099	2604337	1.28	cps
Iron	54-2	361	272	306	313	14.35	cps
Iron	56-2	2461	2567	2550	2526	2.25	cps
Iron	57-2	61	61	61	61	0.00	cps

LB Number : LB116309 Operator : Jaswal
 Lab Sample ID : ICB034 Instrumnet Name : P8
 Client Sample ID : ICB034 Dilution Factor : 1
 Date & Time Acquired :: 2021-09-14 17:17:20 DataFile Name : 015CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Krypton	83-1	557	653	627	612	8.15	cps
Lead	206-1	972	967	833	924	8.51	cps
Lead	207-1	761	833	856	817	6.05	cps
Lead	208-1	3784	3617	3634	3678	2.50	cps
Lithium	6-1	10978687	11107894	11138078	11074886	0.76	cps
Magnesium	24-2	292	200	375	289	30.30	cps
Manganese	55-2	150	127	77	118	31.81	cps
Molybdenum	94-1	708	692	683	694	1.83	cps
Molybdenum	95-1	367	167	133	222	56.79	cps
Molybdenum	96-1	450	358	342	383	15.22	cps
Molybdenum	97-1	225	158	58	147	56.98	cps
Molybdenum	98-1	483	517	400	467	12.88	cps
Neodymium	150-1	20	20	7	16	49.47	cps
Neodymium	150-2	0	7	0	2	173.21	cps
Nickel	60-2	40	27	10	26	58.81	cps
Phosphorus	31-2	108	142	100	117	18.90	cps
Potassium	39-2	11313	11088	11288	11230	1.10	cps
Rhodium	103-1	18410528	18151652	17404037	17988739	2.91	cps
Rhodium	103-2	7973613	8069598	7779769	7940993	1.86	cps
Scandium	45-1	14522347	14630863	14269076	14474095	1.28	cps
Scandium	45-2	414647	413012	405948	411203	1.12	cps
Selenium	82-1	11	-44	-64	-32	-119.10	cps
Selenium	77-2	0	0	3	1	173.21	cps
Selenium	78-2	30	32	21	28	21.18	cps
Silicon	28-1	314091	315411	327055	318852	2.24	cps
Silver	107-1	358	275	317	317	13.16	cps
Silver	109-1	217	208	167	197	13.58	cps
Sodium	23-2	16410	16577	16868	16618	1.40	cps
Strontium	86-1	1150	992	958	1033	9.91	cps
Strontium	88-1	1042	950	908	967	7.06	cps
Sulfur	34-1	553519	545673	533405	544199	1.86	cps
Terbium	159-1	23193401	23412296	23120545	23242081	0.65	cps
Terbium	159-2	9066963	8973457	8948566	8996329	0.69	cps
Thallium	203-1	658	625	583	622	6.04	cps
Thallium	205-1	1475	1567	1575	1539	3.61	cps
Tin	118-1	1158	1075	1100	1111	3.85	cps

LB Number :	LB116309	Operator :	Jaswal
Lab Sample ID :	ICB034	Instrumnet Name :	P8
Client Sample ID :	ICB034	Dilution Factor :	1
Date & Time Acquired ::	2021-09-14 17:17:20	DataFile Name :	015CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Titanium	47-1	250	258	158	222	24.97	cps
Uranium	238-1	42	8	25	25	66.68	cps
Vanadium	51-2	3	13	7	8	65.47	cps
Ytterbium	172-1	92	33	25	50	72.65	cps
Ytterbium	172-2	56	22	22	33	57.75	cps
Ytterbium	176-1	2492	2359	2450	2434	2.80	cps
Ytterbium	176-2	1661	2084	1867	1871	11.29	cps
Yttrium	89-1	31158542	31841901	31313508	31437984	1.14	cps
Yttrium	89-2	3073718	3118829	3061816	3084788	0.97	cps
Zinc	66-2	273	267	230	257	9.09	cps
Zirconium	90-1	1708	1675	1533	1639	5.67	cps
Zirconium	91-1	400	475	283	386	25.02	cps

LB Number :	LB116309	Operator :	Jaswal
Lab Sample ID :	ICSA034	Instrumnet Name :	P8
Client Sample ID :	ICSA034	Dilution Factor :	1
Date & Time Acquired ::	2021-09-14 17:20:36	DataFile Name :	016ICSA.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	6739216	6807012	6643177	6729802	1.22	cps
Antimony	121-1	9153	9353	9887	9465	4.01	cps
Arsenic	75-2	76	93	77	82	11.63	cps
Barium	135-1	2742	2867	3134	2914	6.87	cps
Barium	137-1	5301	5285	5410	5332	1.27	cps
Beryllium	9-1	926	936	840	901	5.86	cps
Bismuth	209-1	13173732	13193355	12886954	13084680	1.31	cps
Bismuth	209-2	5986526	6155038	6156103	6099222	1.60	cps
Boron	10-1	2494	2424	2352	2423	2.93	cps
Boron	11-1	10472	10296	10410	10392	0.86	cps
Bromine	81-1	8371	8411	8832	8538	2.99	cps
Cadmium	111-1	1878	2295	2039	2071	10.15	cps
Cadmium	106-1	8078	8628	8661	8456	3.88	cps
Cadmium	108-1	3121	2763	2834	2906	6.53	cps
Calcium	43-1	3279916	3236284	3223421	3246540	0.91	cps
Calcium	44-1	51918170	52553958	51947305	52139811	0.69	cps
Carbon	12-1	29646453	30307443	30081693	30011863	1.12	cps
Carbon	12-2	291297	302564	288693	294185	2.51	cps
Chlorine	35-1	14666333	18974785	23189034	18943384	22.50	cps
Chlorine	35-2	196717	217085	232234	215345	8.28	cps
Chromium	52-2	50285	50820	50281	50462	0.61	cps
Cobalt	59-2	5551	5595	5264	5470	3.28	cps
Copper	63-2	25606	25607	25954	25722	0.78	cps
Dysprosium	156-1	42	25	33	33	25.01	cps
Dysprosium	156-2	10	23	13	16	44.60	cps
Erbium	164-1	108	158	142	136	18.70	cps
Erbium	164-2	70	43	70	61	25.20	cps
Gadolinium	160-1	175	167	117	153	20.65	cps
Gadolinium	160-2	47	77	60	61	24.60	cps
Holmium	165-1	22487853	22886165	22614667	22662895	0.90	cps
Holmium	165-2	8935179	9113393	9294008	9114194	1.97	cps
Indium	115-1	18571811	18795534	18866564	18744636	0.82	cps
Indium	115-2	2363892	2468162	2486514	2439523	2.71	cps
Iron	54-2	10934820	11143159	11123261	11067080	1.04	cps
Iron	56-2	200353377	202440832	197262810	200019006	1.30	cps
Iron	57-2	5022597	5177686	5035569	5078617	1.69	cps

LB Number :	LB116309	Operator :	Jaswal
Lab Sample ID :	ICSA034	Instrumnet Name :	P8
Client Sample ID :	ICSA034	Dilution Factor :	1
Date & Time Acquired ::	2021-09-14 17:20:36	DataFile Name :	016ICSA.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Krypton	83-1	600	723	580	634	12.24	cps
Lead	206-1	31489	31500	31310	31433	0.34	cps
Lead	207-1	24479	24785	25203	24822	1.46	cps
Lead	208-1	117084	118132	117757	117658	0.45	cps
Lithium	6-1	10540608	10982902	10589757	10704423	2.26	cps
Magnesium	24-2	20241790	20985105	20549448	20592115	1.81	cps
Manganese	55-2	9096	9613	8943	9218	3.81	cps
Molybdenum	94-1	5009201	5067458	5031169	5035943	0.58	cps
Molybdenum	95-1	8834701	8954999	8957399	8915700	0.79	cps
Molybdenum	96-1	9436337	9360342	9549917	9448865	1.01	cps
Molybdenum	97-1	5411207	5475582	5456887	5447892	0.61	cps
Molybdenum	98-1	14049002	14326809	14205969	14193927	0.98	cps
Neodymium	150-1	33	40	20	31	32.73	cps
Neodymium	150-2	10	10	7	9	21.63	cps
Nickel	60-2	6358	6532	6725	6538	2.81	cps
Phosphorus	31-2	355182	355681	355568	355477	0.07	cps
Potassium	39-2	12965363	13193632	13099009	13086001	0.88	cps
Rhodium	103-1	16740288	17389317	16815341	16981649	2.09	cps
Rhodium	103-2	7187579	7245531	7481714	7304941	2.13	cps
Scandium	45-1	13998234	14599622	14338759	14312205	2.11	cps
Scandium	45-2	398243	408321	410438	405667	1.61	cps
Selenium	82-1	16	-95	22	-19	-347.60	cps
Selenium	77-2	7	0	3	3	100.05	cps
Selenium	78-2	14	29	28	24	35.44	cps
Silicon	28-1	480129	483989	492536	485551	1.31	cps
Silver	107-1	983	925	675	861	19.02	cps
Silver	109-1	633	567	492	564	12.57	cps
Sodium	23-2	40518098	42402332	41735426	41551952	2.30	cps
Strontium	86-1	103273	104246	104448	103989	0.60	cps
Strontium	88-1	893709	892018	899171	894966	0.42	cps
Sulfur	34-1	5419976	5224937	5476019	5373644	2.45	cps
Terbium	159-1	22719998	22960617	23299005	22993207	1.27	cps
Terbium	159-2	8816684	9134355	9025046	8992028	1.79	cps
Thallium	203-1	742	958	975	892	14.60	cps
Thallium	205-1	2017	2100	2425	2181	9.90	cps
Tin	118-1	1758	1992	1950	1900	6.55	cps

LB Number :	LB116309	Operator :	Jaswal
Lab Sample ID :	ICSA034	Instrumnet Name :	P8
Client Sample ID :	ICSA034	Dilution Factor :	1
Date & Time Acquired ::	2021-09-14 17:20:36	DataFile Name :	016ICSA.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Titanium	47-1	3006142	3076245	3040692	3041026	1.15	cps
Uranium	238-1	525	292	333	383	32.46	cps
Vanadium	51-2	317	260	307	294	10.27	cps
Ytterbium	172-1	92	25	50	56	60.62	cps
Ytterbium	172-2	22	44	22	30	43.32	cps
Ytterbium	176-1	2175	2292	2392	2286	4.74	cps
Ytterbium	176-2	1272	1528	1478	1426	9.50	cps
Yttrium	89-1	30855737	31381876	31191569	31143061	0.86	cps
Yttrium	89-2	2914845	3043372	3046717	3001645	2.50	cps
Zinc	66-2	4524	4567	4694	4595	1.92	cps
Zirconium	90-1	1850	1759	1784	1797	2.64	cps
Zirconium	91-1	350	375	383	369	4.70	cps

LB Number :	LB116309	Operator :	Jaswal
Lab Sample ID :	ICSAB034	Instrumnet Name :	P8
Client Sample ID :	ICSAB034	Dilution Factor :	1
Date & Time Acquired ::	2021-09-14 17:23:32	DataFile Name :	017ICSB.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	6728188	6764621	6884760	6792523	1.21	cps
Antimony	121-1	177257	181207	180406	179623	1.16	cps
Arsenic	75-2	4709	4799	4853	4787	1.52	cps
Barium	135-1	46497	45435	46288	46074	1.22	cps
Barium	137-1	80062	81086	83373	81507	2.08	cps
Beryllium	9-1	65767	65550	66771	66029	0.99	cps
Bismuth	209-1	13727568	13349633	13367028	13481410	1.58	cps
Bismuth	209-2	6357967	6189415	6181176	6242853	1.60	cps
Boron	10-1	24658	26340	26575	25858	4.04	cps
Boron	11-1	113167	120422	123457	119015	4.44	cps
Bromine	81-1	8561	8772	8862	8732	1.77	cps
Cadmium	111-1	45573	46690	46161	46142	1.21	cps
Cadmium	106-1	15851	15401	15434	15562	1.61	cps
Cadmium	108-1	7006	7248	7227	7160	1.87	cps
Calcium	43-1	3331075	3459149	3367570	3385931	1.95	cps
Calcium	44-1	53542107	55294273	54108735	54315039	1.65	cps
Carbon	12-1	30826858	30108715	31082542	30672705	1.65	cps
Carbon	12-2	300073	298134	295553	297920	0.76	cps
Chlorine	35-1	29413065	33728212	36312192	33151157	10.51	cps
Chlorine	35-2	262523	272770	274493	269929	2.40	cps
Chromium	52-2	105257	104069	103064	104130	1.05	cps
Cobalt	59-2	98159	99400	98337	98632	0.68	cps
Copper	63-2	96596	95579	94683	95619	1.00	cps
Dysprosium	156-1	33	58	25	39	44.61	cps
Dysprosium	156-2	3	7	30	13	108.98	cps
Erbium	164-1	133	242	133	169	36.91	cps
Erbium	164-2	83	83	47	71	29.77	cps
Gadolinium	160-1	108	158	150	139	19.29	cps
Gadolinium	160-2	67	47	60	58	17.62	cps
Holmium	165-1	23467833	22751755	23035895	23085161	1.56	cps
Holmium	165-2	9636934	9448265	9272286	9452495	1.93	cps
Indium	115-1	19555160	19361690	18740189	19219013	2.22	cps
Indium	115-2	2532713	2562772	2474969	2523485	1.77	cps
Iron	54-2	11333105	11338339	11228511	11299985	0.55	cps
Iron	56-2	202096610	202257399	204531043	202961684	0.67	cps
Iron	57-2	5219933	5100784	5181669	5167462	1.18	cps

LB Number :	LB116309	Operator :	Jaswal
Lab Sample ID :	ICSAB034	Instrumnet Name :	P8
Client Sample ID :	ICSAB034	Dilution Factor :	1
Date & Time Acquired ::	2021-09-14 17:23:32	DataFile Name :	017ICSB.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Krypton	83-1	617	670	580	622	7.27	cps
Lead	206-1	165342	162029	164892	164088	1.10	cps
Lead	207-1	137921	134138	138124	136728	1.64	cps
Lead	208-1	634642	631704	637549	634632	0.46	cps
Lithium	6-1	10577916	10553806	10367645	10499789	1.10	cps
Magnesium	24-2	20813704	21190871	20501553	20835376	1.66	cps
Manganese	55-2	33790	33382	33469	33547	0.64	cps
Molybdenum	94-1	5516901	5534727	5556137	5535922	0.35	cps
Molybdenum	95-1	9094017	9083771	9174957	9117582	0.55	cps
Molybdenum	96-1	9803208	9728541	9891629	9807793	0.83	cps
Molybdenum	97-1	5573617	5637560	5653421	5621533	0.75	cps
Molybdenum	98-1	14443799	14600165	14616572	14553512	0.66	cps
Neodymium	150-1	27	40	27	31	24.74	cps
Neodymium	150-2	13	17	3	11	62.48	cps
Nickel	60-2	31866	31081	31198	31381	1.35	cps
Phosphorus	31-2	362862	352661	349236	354920	2.00	cps
Potassium	39-2	13724798	13487035	13483077	13564970	1.02	cps
Rhodium	103-1	17849833	17688860	17307059	17615251	1.58	cps
Rhodium	103-2	7683381	7613563	7345455	7547466	2.36	cps
Scandium	45-1	14891670	15004187	14636169	14844009	1.27	cps
Scandium	45-2	416930	419114	417168	417737	0.29	cps
Selenium	82-1	3594	3571	3635	3600	0.90	cps
Selenium	77-2	93	87	63	81	19.42	cps
Selenium	78-2	367	308	347	341	8.81	cps
Silicon	28-1	507862	518218	523744	516608	1.56	cps
Silver	107-1	222572	224315	226578	224488	0.89	cps
Silver	109-1	209351	211884	216495	212577	1.70	cps
Sodium	23-2	41134185	42121064	41047954	41434401	1.44	cps
Strontium	86-1	293513	296277	304066	297952	1.84	cps
Strontium	88-1	2577781	2625557	2655353	2619564	1.49	cps
Sulfur	34-1	5424539	5579497	5456228	5486755	1.49	cps
Terbium	159-1	23681074	24256507	23258388	23731990	2.11	cps
Terbium	159-2	9118935	9140924	9007527	9089129	0.79	cps
Thallium	203-1	161297	163682	169860	164946	2.68	cps
Thallium	205-1	398469	398095	409500	402021	1.61	cps
Tin	118-1	445582	441105	444855	443847	0.54	cps

LB Number :	LB116309	Operator :	Jaswal
Lab Sample ID :	ICSAB034	Instrumnet Name :	P8
Client Sample ID :	ICSAB034	Dilution Factor :	1
Date & Time Acquired ::	2021-09-14 17:23:32	DataFile Name :	017ICSB.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Titanium	47-1	3102326	3077345	3105021	3094898	0.49	cps
Uranium	238-1	1601558	1612356	1561058	1591657	1.70	cps
Vanadium	51-2	41343	40631	41196	41057	0.92	cps
Ytterbium	172-1	33	142	58	78	72.94	cps
Ytterbium	172-2	33	28	11	24	48.04	cps
Ytterbium	176-1	2584	2534	2217	2445	8.14	cps
Ytterbium	176-2	1378	1556	1289	1408	9.65	cps
Yttrium	89-1	33004146	32345739	32264423	32538103	1.25	cps
Yttrium	89-2	3097705	3109491	3110207	3105801	0.23	cps
Zinc	66-2	12906	12502	12492	12634	1.87	cps
Zirconium	90-1	1000707	985619	1017808	1001378	1.61	cps
Zirconium	91-1	219267	221696	218200	219721	0.82	cps

LB Number :	LB116309	Operator :	Jaswal
Lab Sample ID :	CCV027	Instrumnet Name :	P8
Client Sample ID :	CCV027	Dilution Factor :	1
Date & Time Acquired ::	2021-09-14 17:26:25	DataFile Name :	018CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	3680573	3606322	3618480	3635125	1.10	cps
Antimony	121-1	4186283	4132327	4118624	4145745	0.86	cps
Arsenic	75-2	123222	121382	123303	122636	0.89	cps
Barium	135-1	5370096	5195009	5332720	5299275	1.74	cps
Barium	137-1	9214280	9166978	9314483	9231914	0.82	cps
Beryllium	9-1	1606151	1695316	1658849	1653439	2.71	cps
Bismuth	209-1	13240125	12795075	12663598	12899599	2.34	cps
Bismuth	209-2	5980987	5990429	6108579	6026665	1.18	cps
Boron	10-1	186844	195746	198392	193661	3.12	cps
Boron	11-1	865915	887005	897509	883476	1.82	cps
Bromine	81-1	8271	8902	9062	8745	4.78	cps
Cadmium	111-1	1149637	1149212	1161502	1153450	0.60	cps
Cadmium	106-1	144579	144386	143820	144262	0.27	cps
Cadmium	108-1	91630	91601	90922	91385	0.44	cps
Calcium	43-1	8466774	8539205	8535113	8513697	0.48	cps
Calcium	44-1	137223132	141132419	138349936	138901829	1.45	cps
Carbon	12-1	7246268	7578203	7829398	7551290	3.87	cps
Carbon	12-2	81685	81199	84435	82440	2.12	cps
Chlorine	35-1	11122266	10382830	9583004	10362700	7.43	cps
Chlorine	35-2	54889	51442	48875	51735	5.83	cps
Chromium	52-2	1379197	1337704	1353018	1356640	1.55	cps
Cobalt	59-2	2382361	2385615	2416620	2394865	0.79	cps
Copper	63-2	17834825	17730398	18057077	17874100	0.93	cps
Dysprosium	156-1	775	942	800	839	10.71	cps
Dysprosium	156-2	347	320	353	340	5.19	cps
Erbium	164-1	225	292	317	278	17.06	cps
Erbium	164-2	107	103	117	109	6.37	cps
Gadolinium	160-1	950	942	1075	989	7.55	cps
Gadolinium	160-2	423	380	493	432	13.23	cps
Holmium	165-1	23018170	22819240	22939795	22925735	0.44	cps
Holmium	165-2	9284015	9308693	9554310	9382340	1.59	cps
Indium	115-1	18559612	18505269	18595862	18553581	0.25	cps
Indium	115-2	2446784	2437527	2554700	2479670	2.63	cps
Iron	54-2	14249469	14259666	14519390	14342841	1.07	cps
Iron	56-2	256908811	258848256	258291578	258016215	0.39	cps
Iron	57-2	6673183	6672289	6686431	6677301	0.12	cps

LB Number :	LB116309	Operator :	Jaswal
Lab Sample ID :	CCV027	Instrumnet Name :	P8
Client Sample ID :	CCV027	Dilution Factor :	1
Date & Time Acquired ::	2021-09-14 17:26:25	DataFile Name :	018CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Krypton	83-1	673	653	617	648	4.44	cps
Lead	206-1	16268370	16466210	16172351	16302311	0.92	cps
Lead	207-1	14152590	14371018	14039338	14187648	1.19	cps
Lead	208-1	65292897	65699442	64529423	65173921	0.91	cps
Lithium	6-1	10322055	10613428	10455718	10463734	1.39	cps
Magnesium	24-2	55925189	55535626	54804897	55421904	1.03	cps
Manganese	55-2	6798964	6765708	6854102	6806258	0.66	cps
Molybdenum	94-1	9486519	9764424	9689377	9646773	1.49	cps
Molybdenum	95-1	11641974	11686826	11783940	11704246	0.62	cps
Molybdenum	96-1	13062423	13100607	13359195	13174075	1.23	cps
Molybdenum	97-1	7253868	7230212	7269041	7251040	0.27	cps
Molybdenum	98-1	18938720	18827058	18907418	18891065	0.30	cps
Neodymium	150-1	273	320	313	302	8.35	cps
Neodymium	150-2	23	27	37	29	24.03	cps
Nickel	60-2	603589	607079	610460	607043	0.57	cps
Phosphorus	31-2	37675	36463	35428	36522	3.08	cps
Potassium	39-2	17391664	17559282	18076414	17675787	2.02	cps
Rhodium	103-1	17483711	17149954	16890873	17174846	1.73	cps
Rhodium	103-2	7437974	7284230	7431376	7384527	1.18	cps
Scandium	45-1	15010923	14714061	14410125	14711703	2.04	cps
Scandium	45-2	420915	423932	434546	426464	1.68	cps
Selenium	82-1	90063	90033	90689	90262	0.41	cps
Selenium	77-2	2354	2384	2340	2359	0.94	cps
Selenium	78-2	7998	7769	7965	7911	1.57	cps
Silicon	28-1	4316452	4462916	4674560	4484642	4.01	cps
Silver	107-1	5880520	5805402	5810298	5832073	0.72	cps
Silver	109-1	5715384	5679303	5686996	5693895	0.33	cps
Sodium	23-2	103901019	102071711	106065190	104012640	1.92	cps
Strontium	86-1	15526611	15410974	15444618	15460735	0.38	cps
Strontium	88-1	135350599	133786090	133386699	134174463	0.77	cps
Sulfur	34-1	1019530	1033122	1036294	1029649	0.86	cps
Terbium	159-1	23989036	23387672	22724514	23367074	2.71	cps
Terbium	159-2	9211364	9060539	9431897	9234600	2.02	cps
Thallium	203-1	4083283	4017025	4057103	4052470	0.82	cps
Thallium	205-1	9486450	9519289	9367740	9457826	0.84	cps
Tin	118-1	3659993	3698165	3750180	3702779	1.22	cps

LB Number :	LB116309	Operator :	Jaswal
Lab Sample ID :	CCV027	Instrumnet Name :	P8
Client Sample ID :	CCV027	Dilution Factor :	1
Date & Time Acquired ::	2021-09-14 17:26:25	DataFile Name :	018CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Titanium	47-1	3840893	3880297	3918559	3879916	1.00	cps
Uranium	238-1	12549104	12475772	12603991	12542955	0.51	cps
Vanadium	51-2	1069329	1042171	1052819	1054773	1.30	cps
Ytterbium	172-1	42	125	108	92	48.10	cps
Ytterbium	172-2	33	22	22	26	24.74	cps
Ytterbium	176-1	19640	20224	19056	19640	2.97	cps
Ytterbium	176-2	8664	8497	8692	8618	1.22	cps
Yttrium	89-1	32677920	31865254	31916437	32153204	1.42	cps
Yttrium	89-2	3220106	3098421	3175976	3164835	1.95	cps
Zinc	66-2	2026794	2054876	2068444	2050038	1.04	cps
Zirconium	90-1	8464252	8507773	8541586	8504537	0.46	cps
Zirconium	91-1	1881580	1932498	1906635	1906904	1.34	cps

LB Number : LB116309 Operator : Jaswal
 Lab Sample ID : CCB027 Instrumnet Name : P8
 Client Sample ID : CCB027 Dilution Factor : 1
 Date & Time Acquired :: 2021-09-14 17:32:03 DataFile Name : 019CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	124	107	131	121	10.05	cps
Antimony	121-1	617	717	825	719	14.48	cps
Arsenic	75-2	7	8	8	8	7.53	cps
Barium	135-1	142	200	175	172	16.99	cps
Barium	137-1	258	275	300	278	7.55	cps
Beryllium	9-1	96	90	70	85	15.95	cps
Bismuth	209-1	13924910	14150005	13567908	13880941	2.11	cps
Bismuth	209-2	6666490	6517511	6458121	6547374	1.64	cps
Boron	10-1	7360	6850	7052	7088	3.62	cps
Boron	11-1	32922	31489	31105	31839	3.01	cps
Bromine	81-1	8381	8351	8832	8521	3.16	cps
Cadmium	111-1	41	41	34	38	9.36	cps
Cadmium	106-1	9395	9387	9637	9473	1.50	cps
Cadmium	108-1	46	46	58	50	14.43	cps
Calcium	43-1	445	381	432	420	8.05	cps
Calcium	44-1	21538	21628	21419	21528	0.49	cps
Carbon	12-1	5514553	5508810	5605120	5542828	0.97	cps
Carbon	12-2	54460	54510	55246	54739	0.80	cps
Chlorine	35-1	2405929	2287370	2215218	2302839	4.18	cps
Chlorine	35-2	12948	13407	13023	13126	1.87	cps
Chromium	52-2	753	777	770	767	1.57	cps
Cobalt	59-2	77	133	147	119	31.26	cps
Copper	63-2	1203	1270	1087	1187	7.82	cps
Dysprosium	156-1	33	33	8	25	57.74	cps
Dysprosium	156-2	7	0	10	6	91.64	cps
Erbium	164-1	100	100	125	108	13.32	cps
Erbium	164-2	83	47	40	57	41.17	cps
Gadolinium	160-1	150	108	100	119	22.43	cps
Gadolinium	160-2	30	63	37	43	40.70	cps
Holmium	165-1	23003229	22739798	22683093	22808707	0.75	cps
Holmium	165-2	9521597	9177305	9200228	9299710	2.07	cps
Indium	115-1	19378887	19069692	19381946	19276842	0.93	cps
Indium	115-2	2605784	2564029	2532487	2567433	1.43	cps
Iron	54-2	317	422	467	402	19.17	cps
Iron	56-2	3934	3678	3906	3839	3.65	cps
Iron	57-2	144	111	117	124	14.40	cps

LB Number :	LB116309	Operator :	Jaswal
Lab Sample ID :	CCB027	Instrumnet Name :	P8
Client Sample ID :	CCB027	Dilution Factor :	1
Date & Time Acquired ::	2021-09-14 17:32:03	DataFile Name :	019CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Krypton	83-1	663	643	613	640	3.93	cps
Lead	206-1	1595	1567	1472	1545	4.15	cps
Lead	207-1	1072	1256	1061	1130	9.67	cps
Lead	208-1	5406	5484	5117	5336	3.62	cps
Lithium	6-1	10850824	10997737	10825629	10891397	0.85	cps
Magnesium	24-2	575	542	492	536	7.82	cps
Manganese	55-2	110	193	203	169	30.34	cps
Molybdenum	94-1	600	625	717	647	9.49	cps
Molybdenum	95-1	442	375	308	375	17.78	cps
Molybdenum	96-1	667	608	542	606	10.33	cps
Molybdenum	97-1	283	292	250	275	8.02	cps
Molybdenum	98-1	700	408	583	564	26.03	cps
Neodymium	150-1	20	27	20	22	17.33	cps
Neodymium	150-2	0	0	0	0	0.00	cps
Nickel	60-2	27	23	27	26	7.55	cps
Phosphorus	31-2	117	108	108	111	4.33	cps
Potassium	39-2	13457	12648	13340	13148	3.33	cps
Rhodium	103-1	18752569	18391444	17973272	18372428	2.12	cps
Rhodium	103-2	8188145	8009283	7962534	8053321	1.48	cps
Scandium	45-1	14622920	14669459	14535652	14609344	0.46	cps
Scandium	45-2	428439	416154	419930	421508	1.49	cps
Selenium	82-1	-63	-37	-13	-38	-65.80	cps
Selenium	77-2	3	0	3	2	86.60	cps
Selenium	78-2	27	27	22	25	11.40	cps
Silicon	28-1	321467	323899	322207	322524	0.39	cps
Silver	107-1	600	558	492	550	9.94	cps
Silver	109-1	383	375	367	375	2.22	cps
Sodium	23-2	22151	21024	22643	21939	3.78	cps
Strontium	86-1	1175	1175	1125	1158	2.49	cps
Strontium	88-1	1308	1150	1317	1258	7.46	cps
Sulfur	34-1	522463	530710	527033	526735	0.78	cps
Terbium	159-1	23617555	24190306	22832710	23546857	2.89	cps
Terbium	159-2	9130486	8843436	8977892	8983938	1.60	cps
Thallium	203-1	1083	1125	1108	1106	1.90	cps
Thallium	205-1	3109	2842	2609	2853	8.77	cps
Tin	118-1	1025	1108	1142	1092	5.50	cps

LB Number :	LB116309	Operator :	Jaswal
Lab Sample ID :	CCB027	Instrumnet Name :	P8
Client Sample ID :	CCB027	Dilution Factor :	1
Date & Time Acquired ::	2021-09-14 17:32:03	DataFile Name :	019CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Titanium	47-1	267	275	250	264	4.82	cps
Uranium	238-1	100	100	100	100	0.00	cps
Vanadium	51-2	3	13	13	10	57.75	cps
Ytterbium	172-1	42	50	50	47	10.18	cps
Ytterbium	172-2	33	17	22	24	35.24	cps
Ytterbium	176-1	2459	2559	2267	2428	6.11	cps
Ytterbium	176-2	1483	1533	1445	1487	3.00	cps
Yttrium	89-1	31291090	32643067	31491644	31808600	2.29	cps
Yttrium	89-2	3157599	3091013	3115001	3121204	1.08	cps
Zinc	66-2	280	237	297	271	11.42	cps
Zirconium	90-1	1692	1708	1725	1708	0.98	cps
Zirconium	91-1	358	308	350	339	7.90	cps

LB Number :	LB116309	Operator :	Jaswal
Lab Sample ID :	PB139065BL	Instrumnet Name :	P8
Client Sample ID :	PBW065	Dilution Factor :	1
Date & Time Acquired ::	2021-09-14 17:38:04	DataFile Name :	020CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	92	99	92	95	3.82	cps
Antimony	121-1	275	258	392	308	23.56	cps
Arsenic	75-2	6	6	2	5	49.49	cps
Barium	135-1	233	233	158	208	20.78	cps
Barium	137-1	375	350	267	331	17.16	cps
Beryllium	9-1	96	62	84	81	21.37	cps
Bismuth	209-1	13493795	14241630	14523776	14086400	3.78	cps
Bismuth	209-2	6294181	6244449	6508227	6348953	2.21	cps
Boron	10-1	3766	3782	3796	3781	0.40	cps
Boron	11-1	17283	17571	16178	17010	4.32	cps
Bromine	81-1	8191	8071	8421	8228	2.17	cps
Cadmium	111-1	36	30	30	32	11.17	cps
Cadmium	106-1	9287	9820	9095	9401	4.00	cps
Cadmium	108-1	46	50	42	46	9.09	cps
Calcium	43-1	399	395	431	408	4.88	cps
Calcium	44-1	21034	21426	20884	21115	1.33	cps
Carbon	12-1	5466113	5560406	5690505	5572341	2.02	cps
Carbon	12-2	56409	57179	56225	56604	0.89	cps
Chlorine	35-1	1244547	1191698	1166909	1201051	3.30	cps
Chlorine	35-2	6435	6810	7194	6813	5.57	cps
Chromium	52-2	667	717	730	704	4.74	cps
Cobalt	59-2	97	90	117	101	13.73	cps
Copper	63-2	930	937	903	923	1.91	cps
Dysprosium	156-1	17	17	33	22	43.28	cps
Dysprosium	156-2	7	3	20	10	88.20	cps
Erbium	164-1	92	125	108	108	15.38	cps
Erbium	164-2	90	57	40	62	40.91	cps
Gadolinium	160-1	133	142	142	139	3.46	cps
Gadolinium	160-2	60	30	37	42	37.31	cps
Holmium	165-1	22580426	22837129	23289595	22902383	1.57	cps
Holmium	165-2	9048484	9195185	9050922	9098197	0.92	cps
Indium	115-1	19267242	19748527	19901318	19639029	1.68	cps
Indium	115-2	2508486	2446280	2562387	2505718	2.32	cps
Iron	54-2	311	344	344	333	5.77	cps
Iron	56-2	2634	2684	2645	2654	0.99	cps
Iron	57-2	39	56	78	57	33.99	cps

LB Number :	LB116309	Operator :	Jaswal
Lab Sample ID :	PB139065BL	Instrumnet Name :	P8
Client Sample ID :	PBW065	Dilution Factor :	1
Date & Time Acquired ::	2021-09-14 17:38:04	DataFile Name :	020CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Krypton	83-1	610	583	537	577	6.44	cps
Lead	206-1	1156	1078	1228	1154	6.50	cps
Lead	207-1	1033	733	872	880	17.07	cps
Lead	208-1	4562	4312	4223	4365	4.03	cps
Lithium	6-1	10485941	10777212	11155812	10806322	3.11	cps
Magnesium	24-2	317	258	275	283	10.61	cps
Manganese	55-2	110	127	103	113	10.61	cps
Molybdenum	94-1	592	617	708	639	9.61	cps
Molybdenum	95-1	158	175	117	150	20.03	cps
Molybdenum	96-1	225	300	242	256	15.41	cps
Molybdenum	97-1	83	92	117	97	17.84	cps
Molybdenum	98-1	258	200	250	236	13.36	cps
Neodymium	150-1	13	33	13	20	57.74	cps
Neodymium	150-2	0	0	0	0	0.00	cps
Nickel	60-2	47	23	30	33	36.07	cps
Phosphorus	31-2	200	75	175	150	44.10	cps
Potassium	39-2	12906	13106	12489	12834	2.45	cps
Rhodium	103-1	18252703	18632639	19065513	18650285	2.18	cps
Rhodium	103-2	7761899	7714869	7872377	7783048	1.04	cps
Scandium	45-1	14276655	14614429	14797231	14562772	1.81	cps
Scandium	45-2	403999	401945	415046	406996	1.73	cps
Selenium	82-1	-15	45	78	36	130.39	cps
Selenium	77-2	0	0	0	0	0.00	cps
Selenium	78-2	24	32	31	29	15.03	cps
Silicon	28-1	355101	311021	311697	325940	7.75	cps
Silver	107-1	242	267	208	239	12.25	cps
Silver	109-1	192	108	242	181	37.31	cps
Sodium	23-2	19455	19297	19263	19338	0.53	cps
Strontium	86-1	1142	1050	942	1045	9.59	cps
Strontium	88-1	1050	950	883	961	8.73	cps
Sulfur	34-1	539961	541654	532746	538120	0.88	cps
Terbium	159-1	22935430	23756541	23590448	23427473	1.85	cps
Terbium	159-2	8751609	8676370	8787833	8738604	0.65	cps
Thallium	203-1	675	717	800	731	8.71	cps
Thallium	205-1	1875	2034	1867	1925	4.88	cps
Tin	118-1	1142	1058	1150	1117	4.54	cps

LB Number :	LB116309	Operator :	Jaswal
Lab Sample ID :	PB139065BL	Instrumnet Name :	P8
Client Sample ID :	PBW065	Dilution Factor :	1
Date & Time Acquired ::	2021-09-14 17:38:04	DataFile Name :	020CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Titanium	47-1	225	250	225	233	6.19	cps
Uranium	238-1	50	25	50	42	34.64	cps
Vanadium	51-2	7	7	10	8	24.71	cps
Ytterbium	172-1	75	58	42	58	28.57	cps
Ytterbium	172-2	28	39	39	35	18.23	cps
Ytterbium	176-1	2400	2909	2542	2617	10.03	cps
Ytterbium	176-2	1383	1722	1672	1593	11.49	cps
Yttrium	89-1	31516525	32493940	32346872	32119113	1.64	cps
Yttrium	89-2	2962087	2948188	3039293	2983189	1.65	cps
Zinc	66-2	290	280	290	287	2.01	cps
Zirconium	90-1	1575	1583	1709	1622	4.61	cps
Zirconium	91-1	392	500	358	417	17.78	cps

LB Number : LB116309 Operator : Jaswal
 Lab Sample ID : PB139065BS Instrumnet Name : P8
 Client Sample ID : LCS065 Dilution Factor : 1
 Date & Time Acquired :: 2021-09-14 17:41:06 DataFile Name : 021LCSE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	3462	3424	3271	3386	2.99	cps
Antimony	121-1	35747	36082	33859	35229	3.40	cps
Arsenic	75-2	426	510	468	468	8.97	cps
Barium	135-1	44741	44206	43429	44125	1.50	cps
Barium	137-1	79399	77615	76684	77899	1.77	cps
Beryllium	9-1	7062	7044	6856	6988	1.63	cps
Bismuth	209-1	14070185	14642783	14327333	14346767	2.00	cps
Bismuth	209-2	6484140	6551986	6637199	6557775	1.17	cps
Boron	10-1	20510	22000	23065	21859	5.87	cps
Boron	11-1	92050	99383	103470	98301	5.89	cps
Bromine	81-1	7900	8591	7920	8137	4.83	cps
Cadmium	111-1	995	1055	982	1011	3.85	cps
Cadmium	106-1	9679	9095	9812	9529	4.00	cps
Cadmium	108-1	154	225	246	208	23.07	cps
Calcium	43-1	34172	35099	34898	34723	1.40	cps
Calcium	44-1	581914	581827	580881	581541	0.10	cps
Carbon	12-1	5526697	5505857	5514618	5515724	0.19	cps
Carbon	12-2	52904	54050	54753	53902	1.73	cps
Chlorine	35-1	994164	991120	980789	988691	0.71	cps
Chlorine	35-2	6076	5726	6076	5960	3.39	cps
Chromium	52-2	12095	11882	11632	11869	1.96	cps
Cobalt	59-2	9793	9917	9917	9876	0.72	cps
Copper	63-2	14728	14841	14948	14839	0.74	cps
Dysprosium	156-1	17	17	0	11	86.60	cps
Dysprosium	156-2	3	3	7	4	43.40	cps
Erbium	164-1	92	100	158	117	31.14	cps
Erbium	164-2	43	67	67	59	22.88	cps
Gadolinium	160-1	83	167	75	108	46.79	cps
Gadolinium	160-2	40	40	23	34	27.94	cps
Holmium	165-1	22577369	22703206	23092656	22791077	1.18	cps
Holmium	165-2	9143335	9085039	9159055	9129143	0.43	cps
Indium	115-1	18953635	19477244	19146169	19192349	1.38	cps
Indium	115-2	2550620	2520087	2541112	2537273	0.62	cps
Iron	54-2	55000	54928	54415	54781	0.58	cps
Iron	56-2	989721	979310	965837	978289	1.22	cps
Iron	57-2	24438	23954	24588	24326	1.36	cps

LB Number :	LB116309	Operator :	Jaswal
Lab Sample ID :	PB139065BS	Instrumnet Name :	P8
Client Sample ID :	LCS065	Dilution Factor :	1
Date & Time Acquired ::	2021-09-14 17:41:06	DataFile Name :	021LCSE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Krypton	83-1	583	623	623	610	3.79	cps
Lead	206-1	15170	14642	15176	14996	2.05	cps
Lead	207-1	13246	13524	13146	13305	1.47	cps
Lead	208-1	60116	59148	59571	59611	0.81	cps
Lithium	6-1	10513692	11156752	10912680	10861041	2.99	cps
Magnesium	24-2	231962	231087	226091	229713	1.38	cps
Manganese	55-2	2827	2947	2960	2911	2.52	cps
Molybdenum	94-1	73420	74902	74274	74199	1.00	cps
Molybdenum	95-1	107346	108943	104903	107064	1.90	cps
Molybdenum	96-1	114579	114697	117949	115741	1.65	cps
Molybdenum	97-1	66058	66744	66661	66488	0.56	cps
Molybdenum	98-1	173239	169613	172412	171755	1.11	cps
Neodymium	150-1	0	13	13	9	86.60	cps
Neodymium	150-2	3	3	0	2	86.60	cps
Nickel	60-2	2820	2754	2810	2795	1.29	cps
Phosphorus	31-2	200	133	175	169	19.88	cps
Potassium	39-2	153915	152593	151818	152776	0.69	cps
Rhodium	103-1	18333952	18558647	18368337	18420312	0.66	cps
Rhodium	103-2	7853981	7880411	7784933	7839775	0.63	cps
Scandium	45-1	14472229	15027793	14943360	14814461	2.02	cps
Scandium	45-2	415273	410741	409615	411876	0.73	cps
Selenium	82-1	1914	1864	1940	1906	2.05	cps
Selenium	77-2	67	47	43	52	24.17	cps
Selenium	78-2	182	187	219	196	10.24	cps
Silicon	28-1	469767	476989	471447	472734	0.80	cps
Silver	107-1	23429	24514	23712	23885	2.36	cps
Silver	109-1	21684	23220	22544	22483	3.42	cps
Sodium	23-2	452663	448455	454886	452001	0.72	cps
Strontium	86-1	7969	8203	7977	8050	1.65	cps
Strontium	88-1	62131	58322	61168	60540	3.27	cps
Sulfur	34-1	525642	534926	531119	530562	0.88	cps
Terbium	159-1	23376285	23441417	23960586	23592763	1.36	cps
Terbium	159-2	9070740	9014662	8788417	8957940	1.67	cps
Thallium	203-1	17195	18447	17362	17668	3.85	cps
Thallium	205-1	42119	42178	43349	42549	1.63	cps
Tin	118-1	79088	77453	79859	78800	1.56	cps

LB Number :	LB116309	Operator :	Jaswal
Lab Sample ID :	PB139065BS	Instrumnet Name :	P8
Client Sample ID :	LCS065	Dilution Factor :	1
Date & Time Acquired ::	2021-09-14 17:41:06	DataFile Name :	021LCSE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Titanium	47-1	15676	15843	16869	16129	4.00	cps
Uranium	238-1	50978	51430	51898	51436	0.89	cps
Vanadium	51-2	21994	20942	21279	21405	2.51	cps
Ytterbium	172-1	50	92	58	67	33.08	cps
Ytterbium	172-2	22	17	17	19	17.30	cps
Ytterbium	176-1	2717	2434	2625	2592	5.58	cps
Ytterbium	176-2	1345	1389	1533	1422	6.94	cps
Yttrium	89-1	32308600	32681455	32454504	32481520	0.58	cps
Yttrium	89-2	3078928	2998859	3049597	3042461	1.33	cps
Zinc	66-2	4961	4984	5214	5053	2.77	cps
Zirconium	90-1	34009	35170	34694	34624	1.69	cps
Zirconium	91-1	7469	7877	7144	7497	4.90	cps

LB Number :	LB116309	Operator :	Jaswal
Lab Sample ID :	PB139064BL	Instrumnet Name :	P8
Client Sample ID :	PBW064	Dilution Factor :	1
Date & Time Acquired ::	2021-09-14 17:44:06	DataFile Name :	022CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	75	96	65	79	20.27	cps
Antimony	121-1	150	150	133	144	6.66	cps
Arsenic	75-2	6	1	2	3	88.19	cps
Barium	135-1	242	250	258	250	3.33	cps
Barium	137-1	433	358	400	397	9.46	cps
Beryllium	9-1	88	64	58	70	22.67	cps
Bismuth	209-1	13967575	13603752	13533216	13701515	1.70	cps
Bismuth	209-2	6467464	6382882	6515895	6455414	1.04	cps
Boron	10-1	5168	5370	4780	5106	5.87	cps
Boron	11-1	23390	23526	21528	22815	4.89	cps
Bromine	81-1	8201	8361	8762	8441	3.42	cps
Cadmium	111-1	18	18	15	17	7.08	cps
Cadmium	106-1	8970	9028	9128	9042	0.89	cps
Cadmium	108-1	58	33	38	43	31.11	cps
Calcium	43-1	382	385	355	374	4.45	cps
Calcium	44-1	19384	19352	19611	19449	0.73	cps
Carbon	12-1	5413419	5462209	5535808	5470479	1.13	cps
Carbon	12-2	53590	53808	52787	53395	1.01	cps
Chlorine	35-1	810869	800089	787538	799499	1.46	cps
Chlorine	35-2	4751	4943	5059	4918	3.17	cps
Chromium	52-2	677	730	813	740	9.31	cps
Cobalt	59-2	137	83	80	100	31.80	cps
Copper	63-2	887	877	847	870	2.39	cps
Dysprosium	156-1	50	25	17	31	56.77	cps
Dysprosium	156-2	7	3	7	6	34.70	cps
Erbium	164-1	158	175	150	161	7.90	cps
Erbium	164-2	30	33	33	32	5.97	cps
Gadolinium	160-1	200	92	83	125	52.07	cps
Gadolinium	160-2	47	43	43	44	4.34	cps
Holmium	165-1	22436863	22085797	22507152	22343271	1.01	cps
Holmium	165-2	9202925	9100389	9002452	9101922	1.10	cps
Indium	115-1	19427702	18845823	19572284	19281937	1.99	cps
Indium	115-2	2470797	2503077	2487615	2487163	0.65	cps
Iron	54-2	322	322	233	293	17.54	cps
Iron	56-2	2595	2406	2417	2472	4.29	cps
Iron	57-2	44	56	67	56	20.00	cps

LB Number :	LB116309	Operator :	Jaswal
Lab Sample ID :	PB139064BL	Instrumnet Name :	P8
Client Sample ID :	PBW064	Dilution Factor :	1
Date & Time Acquired ::	2021-09-14 17:44:06	DataFile Name :	022CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Krypton	83-1	630	600	610	613	2.49	cps
Lead	206-1	872	883	900	885	1.58	cps
Lead	207-1	722	744	800	756	5.30	cps
Lead	208-1	3456	3600	3556	3537	2.09	cps
Lithium	6-1	10811221	10901620	11257698	10990180	2.15	cps
Magnesium	24-2	333	242	242	272	19.44	cps
Manganese	55-2	123	123	143	130	8.88	cps
Molybdenum	94-1	525	633	625	594	10.14	cps
Molybdenum	95-1	175	67	83	108	53.85	cps
Molybdenum	96-1	275	225	208	236	14.69	cps
Molybdenum	97-1	50	58	58	56	8.66	cps
Molybdenum	98-1	142	150	100	131	20.52	cps
Neodymium	150-1	7	20	0	9	114.55	cps
Neodymium	150-2	0	0	0	0	0.00	cps
Nickel	60-2	27	27	43	32	29.85	cps
Phosphorus	31-2	125	75	175	125	40.00	cps
Potassium	39-2	12806	12055	12247	12370	3.15	cps
Rhodium	103-1	18545845	17895327	18137052	18192741	1.81	cps
Rhodium	103-2	7716549	7728643	7651491	7698895	0.54	cps
Scandium	45-1	14676659	14243716	14674778	14531717	1.72	cps
Scandium	45-2	405640	406441	404793	405624	0.20	cps
Selenium	82-1	-45	-12	-14	-24	-77.69	cps
Selenium	77-2	0	0	0	0	0.00	cps
Selenium	78-2	15	23	25	21	25.20	cps
Silicon	28-1	292114	291174	293747	292345	0.45	cps
Silver	107-1	383	333	333	350	8.25	cps
Silver	109-1	250	308	250	269	12.50	cps
Sodium	23-2	18420	18178	18579	18393	1.10	cps
Strontium	86-1	975	1225	1017	1072	12.49	cps
Strontium	88-1	708	792	742	747	5.61	cps
Sulfur	34-1	530778	529200	536297	532091	0.70	cps
Terbium	159-1	22489897	22846763	23624447	22987036	2.52	cps
Terbium	159-2	8721043	8953931	8918273	8864416	1.42	cps
Thallium	203-1	592	700	742	678	11.42	cps
Thallium	205-1	1617	1558	1709	1628	4.65	cps
Tin	118-1	875	908	767	850	8.71	cps

LB Number :	LB116309	Operator :	Jaswal
Lab Sample ID :	PB139064BL	Instrumnet Name :	P8
Client Sample ID :	PBW064	Dilution Factor :	1
Date & Time Acquired ::	2021-09-14 17:44:06	DataFile Name :	022CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Titanium	47-1	183	217	117	172	29.56	cps
Uranium	238-1	25	8	33	22	57.29	cps
Vanadium	51-2	3	3	10	6	69.34	cps
Ytterbium	172-1	100	17	33	50	88.19	cps
Ytterbium	172-2	44	6	22	24	81.04	cps
Ytterbium	176-1	2534	2484	2542	2520	1.25	cps
Ytterbium	176-2	1311	1472	1511	1432	7.41	cps
Yttrium	89-1	31913114	31109648	31303145	31441969	1.33	cps
Yttrium	89-2	2961788	3004669	2967414	2977957	0.78	cps
Zinc	66-2	203	243	243	230	10.04	cps
Zirconium	90-1	1550	1458	1383	1464	5.70	cps
Zirconium	91-1	300	342	325	322	6.51	cps

LB Number : LB116309 Operator : Jaswal
 Lab Sample ID : PB139064BS Instrumnet Name : P8
 Client Sample ID : LCS064 Dilution Factor : 1
 Date & Time Acquired :: 2021-09-14 17:47:09 DataFile Name : 023LCSE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	3245	3300	3331	3292	1.33	cps
Antimony	121-1	35296	34979	36366	35547	2.04	cps
Arsenic	75-2	467	495	520	494	5.37	cps
Barium	135-1	44131	43412	44792	44112	1.56	cps
Barium	137-1	76357	77380	78621	77453	1.46	cps
Beryllium	9-1	7128	6952	7058	7046	1.26	cps
Bismuth	209-1	13571914	15133666	13591049	14098876	6.36	cps
Bismuth	209-2	6542308	6498903	6670886	6570699	1.36	cps
Boron	10-1	21289	22028	22417	21911	2.61	cps
Boron	11-1	94637	100361	103767	99588	4.63	cps
Bromine	81-1	7410	7740	8091	7747	4.40	cps
Cadmium	111-1	5581	5281	5402	5422	2.78	cps
Cadmium	106-1	9837	10921	10071	10276	5.55	cps
Cadmium	108-1	442	508	442	464	8.30	cps
Calcium	43-1	34905	34319	34950	34725	1.01	cps
Calcium	44-1	581651	574608	579541	578600	0.62	cps
Carbon	12-1	5386137	5424856	5531269	5447421	1.38	cps
Carbon	12-2	54635	54469	54427	54510	0.20	cps
Chlorine	35-1	719313	709410	698673	709132	1.46	cps
Chlorine	35-2	4493	4159	4568	4406	4.93	cps
Chromium	52-2	11865	11465	11625	11652	1.73	cps
Cobalt	59-2	10057	9770	9910	9912	1.45	cps
Copper	63-2	14788	15202	14771	14920	1.63	cps
Dysprosium	156-1	17	17	17	17	0.00	cps
Dysprosium	156-2	7	10	10	9	21.63	cps
Erbium	164-1	125	142	133	133	6.25	cps
Erbium	164-2	63	40	53	52	22.41	cps
Gadolinium	160-1	125	108	125	119	8.05	cps
Gadolinium	160-2	57	30	47	44	30.31	cps
Holmium	165-1	22166324	23700858	22678843	22848675	3.42	cps
Holmium	165-2	9098505	9213472	9564414	9292130	2.61	cps
Indium	115-1	18811366	20327992	19156555	19431971	4.09	cps
Indium	115-2	2552846	2574735	2697859	2608480	3.00	cps
Iron	54-2	55391	53433	54799	54541	1.84	cps
Iron	56-2	987526	979126	999836	988830	1.05	cps
Iron	57-2	25006	24026	24755	24596	2.07	cps

LB Number :	LB116309	Operator :	Jaswal
Lab Sample ID :	PB139064BS	Instrumnet Name :	P8
Client Sample ID :	LCS064	Dilution Factor :	1
Date & Time Acquired ::	2021-09-14 17:47:09	DataFile Name :	023LCSE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Krypton	83-1	663	600	637	633	5.02	cps
Lead	206-1	15076	14748	14542	14788	1.82	cps
Lead	207-1	13068	12762	13190	13007	1.70	cps
Lead	208-1	58980	59310	59170	59154	0.28	cps
Lithium	6-1	10803376	11663591	10629704	11032224	5.02	cps
Magnesium	24-2	227992	226717	225146	226619	0.63	cps
Manganese	55-2	2814	2657	2794	2755	3.10	cps
Molybdenum	94-1	40351	39323	39674	39783	1.31	cps
Molybdenum	95-1	48929	48803	49706	49146	1.00	cps
Molybdenum	96-1	54039	53704	54240	53994	0.50	cps
Molybdenum	97-1	29983	30710	30852	30515	1.53	cps
Molybdenum	98-1	77937	75531	78925	77464	2.25	cps
Neodymium	150-1	7	20	20	16	49.47	cps
Neodymium	150-2	3	3	7	4	43.40	cps
Nickel	60-2	2904	2774	2787	2821	2.54	cps
Phosphorus	31-2	167	150	92	136	28.93	cps
Potassium	39-2	153452	150547	149968	151323	1.23	cps
Rhodium	103-1	17891972	19371747	17774267	18345996	4.85	cps
Rhodium	103-2	7828392	7854349	8239113	7973951	2.88	cps
Scandium	45-1	13988424	15222244	14276374	14495681	4.45	cps
Scandium	45-2	409549	412083	430338	417324	2.72	cps
Selenium	82-1	1860	1884	1962	1902	2.80	cps
Selenium	77-2	70	33	50	51	35.92	cps
Selenium	78-2	178	164	189	177	7.08	cps
Silicon	28-1	469947	469525	464295	467922	0.67	cps
Silver	107-1	23888	24405	23997	24097	1.13	cps
Silver	109-1	22836	22794	22093	22575	1.85	cps
Sodium	23-2	448214	453748	454224	452062	0.74	cps
Strontium	86-1	7644	7752	8069	7822	2.82	cps
Strontium	88-1	60038	60833	62449	61107	2.01	cps
Sulfur	34-1	538710	541312	543096	541039	0.41	cps
Terbium	159-1	22749863	25264510	22548212	23520862	6.43	cps
Terbium	159-2	8983749	9030739	8951887	8988792	0.44	cps
Thallium	203-1	17129	17804	17729	17554	2.11	cps
Thallium	205-1	42897	40506	41860	41754	2.87	cps
Tin	118-1	79028	77336	77512	77958	1.19	cps

LB Number :	LB116309	Operator :	Jaswal
Lab Sample ID :	PB139064BS	Instrumnet Name :	P8
Client Sample ID :	LCS064	Dilution Factor :	1
Date & Time Acquired ::	2021-09-14 17:47:09	DataFile Name :	023LCSE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Titanium	47-1	15309	16451	15475	15745	3.92	cps
Uranium	238-1	50451	51371	51088	50970	0.92	cps
Vanadium	51-2	21516	21236	21460	21404	0.69	cps
Ytterbium	172-1	50	75	25	50	50.00	cps
Ytterbium	172-2	56	6	28	30	84.54	cps
Ytterbium	176-1	2692	2484	2817	2664	6.32	cps
Ytterbium	176-2	1161	1539	1389	1363	13.96	cps
Yttrium	89-1	31374135	33941180	31270220	32195178	4.70	cps
Yttrium	89-2	3024195	3040791	3071837	3045608	0.79	cps
Zinc	66-2	4711	5258	5148	5039	5.74	cps
Zirconium	90-1	34694	34585	34836	34705	0.36	cps
Zirconium	91-1	7536	7911	7269	7572	4.26	cps

LB Number :	LB116309	Operator :	Jaswal
Lab Sample ID :	PB139063BL	Instrumnet Name :	P8
Client Sample ID :	PBS063	Dilution Factor :	1
Date & Time Acquired ::	2021-09-14 17:50:10	DataFile Name :	024CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	90	77	89	85	8.06	cps
Antimony	121-1	75	158	83	106	43.48	cps
Arsenic	75-2	3	3	7	4	53.29	cps
Barium	135-1	275	233	200	236	15.91	cps
Barium	137-1	575	558	400	511	18.90	cps
Beryllium	9-1	48	84	60	64	28.64	cps
Bismuth	209-1	14262954	14469501	13966090	14232848	1.78	cps
Bismuth	209-2	6586146	6506689	6463679	6518838	0.95	cps
Boron	10-1	3912	3998	3686	3865	4.17	cps
Boron	11-1	18898	18038	17355	18097	4.27	cps
Bromine	81-1	7720	8181	8251	8051	3.58	cps
Cadmium	111-1	-18	20	18	6	324.81	cps
Cadmium	106-1	9245	9620	9387	9417	2.01	cps
Cadmium	108-1	46	38	58	47	22.20	cps
Calcium	43-1	356	360	377	365	3.11	cps
Calcium	44-1	19962	19859	19123	19648	2.33	cps
Carbon	12-1	5436570	5533050	5611579	5527066	1.59	cps
Carbon	12-2	54493	54677	54485	54552	0.20	cps
Chlorine	35-1	678385	681648	678079	679371	0.29	cps
Chlorine	35-2	4784	3942	4242	4323	9.87	cps
Chromium	52-2	730	720	723	724	0.70	cps
Cobalt	59-2	80	123	63	89	34.85	cps
Copper	63-2	800	850	783	811	4.28	cps
Dysprosium	156-1	0	17	8	8	100.02	cps
Dysprosium	156-2	0	7	3	3	100.05	cps
Erbium	164-1	125	142	142	136	7.07	cps
Erbium	164-2	57	50	70	59	17.29	cps
Gadolinium	160-1	150	167	142	153	8.33	cps
Gadolinium	160-2	33	40	40	38	10.19	cps
Holmium	165-1	23617202	23250200	22457393	23108265	2.57	cps
Holmium	165-2	9538295	9346615	9511696	9465536	1.10	cps
Indium	115-1	19942768	19504077	19648298	19698381	1.14	cps
Indium	115-2	2544092	2552591	2544933	2547205	0.18	cps
Iron	54-2	372	272	339	328	15.53	cps
Iron	56-2	2573	2206	2384	2387	7.68	cps
Iron	57-2	72	50	67	63	18.37	cps

LB Number :	LB116309	Operator :	Jaswal
Lab Sample ID :	PB139063BL	Instrumnet Name :	P8
Client Sample ID :	PBS063	Dilution Factor :	1
Date & Time Acquired ::	2021-09-14 17:50:10	DataFile Name :	024CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Krypton	83-1	540	573	597	570	5.00	cps
Lead	206-1	794	878	817	830	5.20	cps
Lead	207-1	700	783	839	774	9.03	cps
Lead	208-1	3195	3650	3356	3400	6.79	cps
Lithium	6-1	11386866	11206964	11048993	11214274	1.51	cps
Magnesium	24-2	183	225	317	242	28.23	cps
Manganese	55-2	113	147	77	112	31.20	cps
Molybdenum	94-1	617	575	483	558	12.22	cps
Molybdenum	95-1	83	50	50	61	31.50	cps
Molybdenum	96-1	208	183	208	200	7.22	cps
Molybdenum	97-1	50	50	58	53	9.12	cps
Molybdenum	98-1	117	158	150	142	15.56	cps
Neodymium	150-1	20	13	13	16	24.76	cps
Neodymium	150-2	3	0	3	2	86.60	cps
Nickel	60-2	23	37	33	31	22.31	cps
Phosphorus	31-2	108	100	158	122	25.81	cps
Potassium	39-2	11396	11755	11713	11622	1.69	cps
Rhodium	103-1	18546804	17952956	18461207	18320322	1.75	cps
Rhodium	103-2	7993934	7825854	7854366	7891385	1.14	cps
Scandium	45-1	14951640	14906575	14654287	14837501	1.08	cps
Scandium	45-2	413201	412583	422971	416252	1.40	cps
Selenium	82-1	47	4	23	25	88.12	cps
Selenium	77-2	0	3	0	1	173.21	cps
Selenium	78-2	31	26	23	27	15.16	cps
Silicon	28-1	301018	303795	304058	302957	0.56	cps
Silver	107-1	350	483	267	367	29.81	cps
Silver	109-1	250	300	242	264	11.96	cps
Sodium	23-2	17736	16693	17803	17411	3.57	cps
Strontium	86-1	983	1083	875	981	10.63	cps
Strontium	88-1	883	783	642	769	15.78	cps
Sulfur	34-1	537821	542850	529412	536694	1.27	cps
Terbium	159-1	23542977	23739170	23225478	23502542	1.10	cps
Terbium	159-2	8902598	9038477	9052601	8997892	0.92	cps
Thallium	203-1	592	558	467	539	12.01	cps
Thallium	205-1	1167	1308	1183	1220	6.35	cps
Tin	118-1	900	1008	900	936	6.68	cps

LB Number :	LB116309	Operator :	Jaswal
Lab Sample ID :	PB139063BL	Instrumnet Name :	P8
Client Sample ID :	PBS063	Dilution Factor :	1
Date & Time Acquired ::	2021-09-14 17:50:10	DataFile Name :	024CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Titanium	47-1	167	158	167	164	2.93	cps
Uranium	238-1	25	8	25	19	49.50	cps
Vanadium	51-2	10	10	17	12	31.50	cps
Ytterbium	172-1	83	42	67	64	32.83	cps
Ytterbium	172-2	28	33	17	26	32.72	cps
Ytterbium	176-1	2625	2509	2409	2514	4.31	cps
Ytterbium	176-2	1011	1411	1350	1257	17.14	cps
Yttrium	89-1	31772955	32794939	32032686	32200193	1.65	cps
Yttrium	89-2	3079594	3075216	3088350	3081053	0.22	cps
Zinc	66-2	240	203	210	218	8.97	cps
Zirconium	90-1	1500	1633	1583	1572	4.28	cps
Zirconium	91-1	325	300	367	331	10.19	cps

LB Number :	LB116309	Operator :	Jaswal
Lab Sample ID :	PB139063BS	Instrumnet Name :	P8
Client Sample ID :	LCS063	Dilution Factor :	1
Date & Time Acquired ::	2021-09-14 17:53:13	DataFile Name :	025LCSE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	3265	3207	3226	3233	0.91	cps
Antimony	121-1	33107	34269	34285	33887	1.99	cps
Arsenic	75-2	492	505	462	486	4.53	cps
Barium	135-1	43922	42476	44867	43755	2.75	cps
Barium	137-1	76156	76475	77120	76584	0.64	cps
Beryllium	9-1	6936	6948	7186	7024	2.01	cps
Bismuth	209-1	13709997	12665084	13804436	13393172	4.72	cps
Bismuth	209-2	6568840	6749613	6597421	6638624	1.46	cps
Boron	10-1	20044	21535	21766	21115	4.43	cps
Boron	11-1	91853	96539	101137	96510	4.81	cps
Bromine	81-1	7189	7530	7600	7440	2.95	cps
Cadmium	111-1	5523	5171	5206	5300	3.66	cps
Cadmium	106-1	10379	8653	9704	9579	9.08	cps
Cadmium	108-1	517	413	425	451	12.60	cps
Calcium	43-1	34637	34610	33963	34403	1.11	cps
Calcium	44-1	563770	568883	567109	566587	0.46	cps
Carbon	12-1	5467520	5573453	5759142	5600039	2.64	cps
Carbon	12-2	55916	55865	54468	55416	1.48	cps
Chlorine	35-1	599423	585389	580990	588600	1.64	cps
Chlorine	35-2	3692	3359	3592	3548	4.82	cps
Chromium	52-2	11451	11571	11608	11544	0.71	cps
Cobalt	59-2	9760	9467	9924	9717	2.38	cps
Copper	63-2	14558	14427	14784	14590	1.24	cps
Dysprosium	156-1	17	8	0	8	100.02	cps
Dysprosium	156-2	3	17	0	7	132.33	cps
Erbium	164-1	125	142	217	161	30.31	cps
Erbium	164-2	47	53	70	57	21.21	cps
Gadolinium	160-1	217	175	108	167	32.79	cps
Gadolinium	160-2	57	40	50	49	17.16	cps
Holmium	165-1	22905826	20369264	22056748	21777279	5.93	cps
Holmium	165-2	9299642	9464871	9235712	9333408	1.27	cps
Indium	115-1	19668718	16974027	18873309	18505351	7.48	cps
Indium	115-2	2572896	2617504	2529943	2573448	1.70	cps
Iron	54-2	54966	52809	52524	53433	2.50	cps
Iron	56-2	964316	959055	953049	958807	0.59	cps
Iron	57-2	24850	23715	24633	24399	2.47	cps

LB Number :	LB116309	Operator :	Jaswal
Lab Sample ID :	PB139063BS	Instrumnet Name :	P8
Client Sample ID :	LCS063	Dilution Factor :	1
Date & Time Acquired ::	2021-09-14 17:53:13	DataFile Name :	025LCSE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Krypton	83-1	583	673	637	631	7.17	cps
Lead	206-1	14386	14659	14408	14484	1.04	cps
Lead	207-1	12751	12467	12884	12701	1.68	cps
Lead	208-1	56849	56571	57901	57107	1.23	cps
Lithium	6-1	11127060	9918341	10768114	10604505	5.85	cps
Magnesium	24-2	218781	223726	219655	220721	1.20	cps
Manganese	55-2	2787	2707	2807	2767	1.91	cps
Molybdenum	94-1	38713	38120	40117	38983	2.63	cps
Molybdenum	95-1	47356	47415	46027	46933	1.67	cps
Molybdenum	96-1	52751	52525	53947	53075	1.44	cps
Molybdenum	97-1	28864	29257	28814	28978	0.84	cps
Molybdenum	98-1	76663	75724	74718	75702	1.28	cps
Neodymium	150-1	13	33	0	16	107.86	cps
Neodymium	150-2	0	0	10	3	173.21	cps
Nickel	60-2	2814	2887	2710	2804	3.17	cps
Phosphorus	31-2	100	117	167	128	27.15	cps
Potassium	39-2	149216	148182	149344	148914	0.43	cps
Rhodium	103-1	18453420	16195460	17895532	17514804	6.72	cps
Rhodium	103-2	8005258	8000637	7890055	7965317	0.82	cps
Scandium	45-1	14569784	12831824	14196475	13866028	6.60	cps
Scandium	45-2	414481	425657	411343	417160	1.80	cps
Selenium	82-1	1942	1844	1874	1886	2.66	cps
Selenium	77-2	33	43	47	41	16.89	cps
Selenium	78-2	175	187	177	180	3.58	cps
Silicon	28-1	465060	489901	471618	475526	2.71	cps
Silver	107-1	22653	23345	24038	23345	2.97	cps
Silver	109-1	21985	22511	22970	22488	2.19	cps
Sodium	23-2	449673	441730	445416	445606	0.89	cps
Strontium	86-1	7435	7694	7427	7519	2.02	cps
Strontium	88-1	58967	57779	60724	59157	2.50	cps
Sulfur	34-1	543726	538491	537599	539939	0.61	cps
Terbium	159-1	23130174	20660604	22461286	22084021	5.78	cps
Terbium	159-2	9070083	9311366	8884623	9088691	2.35	cps
Thallium	203-1	16761	16478	16903	16714	1.30	cps
Thallium	205-1	40155	42671	41618	41481	3.05	cps
Tin	118-1	74939	77764	74335	75679	2.42	cps

LB Number :	LB116309	Operator :	Jaswal
Lab Sample ID :	PB139063BS	Instrumnet Name :	P8
Client Sample ID :	LCS063	Dilution Factor :	1
Date & Time Acquired ::	2021-09-14 17:53:13	DataFile Name :	025LCSE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Titanium	47-1	15117	15934	15701	15584	2.70	cps
Uranium	238-1	48552	48945	50267	49255	1.82	cps
Vanadium	51-2	21580	21092	21466	21379	1.19	cps
Ytterbium	172-1	8	50	83	47	79.58	cps
Ytterbium	172-2	17	17	39	24	53.28	cps
Ytterbium	176-1	2450	2009	2392	2284	10.51	cps
Ytterbium	176-2	1378	1422	1300	1367	4.53	cps
Yttrium	89-1	32638411	28403983	30563098	30535164	6.93	cps
Yttrium	89-2	3112604	3199698	3070039	3127447	2.11	cps
Zinc	66-2	5301	5038	5058	5132	2.86	cps
Zirconium	90-1	33115	34151	34042	33769	1.69	cps
Zirconium	91-1	7144	7010	7811	7322	5.86	cps

LB Number :	LB116309	Operator :	Jaswal
Lab Sample ID :	M3710-01	Instrumnet Name :	P8
Client Sample ID :	EW130	Dilution Factor :	1
Date & Time Acquired ::	2021-09-14 17:56:14	DataFile Name :	026AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	462	499	457	473	4.76	cps
Antimony	121-1	358	267	275	300	16.90	cps
Arsenic	75-2	300	300	282	294	3.53	cps
Barium	135-1	47868	48329	47836	48011	0.57	cps
Barium	137-1	84061	86023	86083	85389	1.35	cps
Beryllium	9-1	78	88	70	79	11.46	cps
Bismuth	209-1	14005824	13936890	13001212	13647975	4.11	cps
Bismuth	209-2	5990291	6416609	6690341	6365747	5.54	cps
Boron	10-1	70645	73996	77727	74123	4.78	cps
Boron	11-1	332125	350870	368546	350514	5.20	cps
Bromine	81-1	49337	58803	66837	58325	15.02	cps
Cadmium	111-1	55	116	151	107	45.17	cps
Cadmium	106-1	9829	9420	9103	9451	3.85	cps
Cadmium	108-1	300	246	183	243	24.02	cps
Calcium	43-1	12650957	13096157	13028167	12925094	1.86	cps
Calcium	44-1	207544762	211556881	213275986	210792543	1.40	cps
Carbon	12-1	9115289	9817773	10786176	9906413	8.47	cps
Carbon	12-2	108214	111749	112429	110797	2.04	cps
Chlorine	35-1	2367384	2733325	3134001	2744903	13.97	cps
Chlorine	35-2	25222	26016	28554	26597	6.54	cps
Chromium	52-2	10814	11101	11094	11003	1.49	cps
Cobalt	59-2	4381	4184	4437	4334	3.07	cps
Copper	63-2	5915	5675	5915	5835	2.38	cps
Dysprosium	156-1	100	108	58	89	30.13	cps
Dysprosium	156-2	23	37	17	26	39.85	cps
Erbium	164-1	250	283	300	278	9.17	cps
Erbium	164-2	83	63	67	71	15.07	cps
Gadolinium	160-1	142	175	217	178	21.14	cps
Gadolinium	160-2	53	40	73	56	30.20	cps
Holmium	165-1	23363321	23437246	22782703	23194423	1.55	cps
Holmium	165-2	9197605	9733060	9841248	9590638	3.59	cps
Indium	115-1	20062996	19666845	19487480	19739107	1.49	cps
Indium	115-2	2488354	2615001	2646422	2583259	3.24	cps
Iron	54-2	1247352	1240035	1241925	1243104	0.31	cps
Iron	56-2	23607160	22888728	22844521	23113470	1.85	cps
Iron	57-2	577272	563914	567095	569427	1.23	cps

LB Number :	LB116309	Operator :	Jaswal
Lab Sample ID :	M3710-01	Instrumnet Name :	P8
Client Sample ID :	EW130	Dilution Factor :	1
Date & Time Acquired ::	2021-09-14 17:56:14	DataFile Name :	026AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Krypton	83-1	650	633	593	626	4.66	cps
Lead	206-1	1228	1217	1228	1224	0.52	cps
Lead	207-1	1000	1117	1189	1102	8.65	cps
Lead	208-1	4895	4850	4812	4852	0.86	cps
Lithium	6-1	11059341	11115669	10841496	11005502	1.32	cps
Magnesium	24-2	13754461	13963854	13876610	13864975	0.76	cps
Manganese	55-2	330800	323500	327648	327316	1.12	cps
Molybdenum	94-1	295666	290782	295000	293816	0.90	cps
Molybdenum	95-1	519413	512768	509440	513874	0.99	cps
Molybdenum	96-1	540224	548176	552324	546908	1.12	cps
Molybdenum	97-1	317088	314391	319369	316949	0.79	cps
Molybdenum	98-1	821865	825037	828752	825218	0.42	cps
Neodymium	150-1	40	40	60	47	24.74	cps
Neodymium	150-2	20	20	7	16	49.47	cps
Nickel	60-2	67379	67529	68012	67640	0.49	cps
Phosphorus	31-2	258	225	333	272	20.38	cps
Potassium	39-2	1326471	1290532	1309304	1308769	1.37	cps
Rhodium	103-1	18419462	17609460	17540706	17856543	2.74	cps
Rhodium	103-2	7492933	7833940	7914016	7746963	2.89	cps
Scandium	45-1	15403769	15172449	14909859	15162026	1.63	cps
Scandium	45-2	410910	445196	447418	434508	4.71	cps
Selenium	82-1	41	17	59	39	54.49	cps
Selenium	77-2	0	0	0	0	0.00	cps
Selenium	78-2	28	30	27	28	5.39	cps
Silicon	28-1	40252018	39742949	40154332	40049766	0.67	cps
Silver	107-1	508	492	408	469	11.41	cps
Silver	109-1	467	400	275	381	25.57	cps
Sodium	23-2	40739346	41252548	41034236	41008710	0.63	cps
Strontium	86-1	1641478	1649299	1644054	1644944	0.24	cps
Strontium	88-1	14080527	13906582	13937676	13974928	0.66	cps
Sulfur	34-1	16856810	16915033	17070377	16947407	0.65	cps
Terbium	159-1	25077111	23902979	23738118	24239403	3.01	cps
Terbium	159-2	8817213	9267752	9528524	9204496	3.91	cps
Thallium	203-1	658	542	483	561	15.88	cps
Thallium	205-1	1358	1200	1208	1256	7.10	cps
Tin	118-1	1650	1792	1600	1681	5.92	cps

LB Number :	LB116309	Operator :	Jaswal
Lab Sample ID :	M3710-01	Instrumnet Name :	P8
Client Sample ID :	EW130	Dilution Factor :	1
Date & Time Acquired ::	2021-09-14 17:56:14	DataFile Name :	026AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Titanium	47-1	983	1008	1133	1042	7.71	cps
Uranium	238-1	64489	65453	65998	65313	1.17	cps
Vanadium	51-2	327	377	363	356	7.28	cps
Ytterbium	172-1	433	383	400	406	6.28	cps
Ytterbium	172-2	183	161	183	176	7.29	cps
Ytterbium	176-1	3067	2934	2784	2928	4.84	cps
Ytterbium	176-2	1239	1478	1472	1396	9.77	cps
Yttrium	89-1	33751481	32737308	32076947	32855245	2.57	cps
Yttrium	89-2	3057937	3187729	3321149	3188938	4.13	cps
Zinc	66-2	7912	8146	8246	8101	2.11	cps
Zirconium	90-1	2784	3334	3476	3198	11.43	cps
Zirconium	91-1	675	717	675	689	3.49	cps

LB Number :	LB116309	Operator :	Jaswal
Lab Sample ID :	M3710-02	Instrumnet Name :	P8
Client Sample ID :	EW131	Dilution Factor :	1
Date & Time Acquired ::	2021-09-14 17:59:11	DataFile Name :	027AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	426	2268	392	1029	104.30	cps
Antimony	121-1	750	950	867	856	11.74	cps
Arsenic	75-2	420	404	405	410	2.19	cps
Barium	135-1	215478	212408	223121	217002	2.54	cps
Barium	137-1	375773	382486	395081	384447	2.55	cps
Beryllium	9-1	52	64	70	62	14.78	cps
Bismuth	209-1	13730304	14273683	14176527	14060171	2.06	cps
Bismuth	209-2	6429638	6382863	6342671	6385057	0.68	cps
Boron	10-1	88322	92692	95422	92145	3.89	cps
Boron	11-1	404219	436223	442516	427652	4.80	cps
Bromine	81-1	63146	69804	76404	69785	9.50	cps
Cadmium	111-1	109	166	114	129	24.18	cps
Cadmium	106-1	9720	9378	10463	9854	5.62	cps
Cadmium	108-1	117	171	158	149	19.09	cps
Calcium	43-1	4108344	3986583	3989279	4028069	1.73	cps
Calcium	44-1	64214522	64979180	63931971	64375224	0.84	cps
Carbon	12-1	9933540	10492414	11347961	10591305	6.73	cps
Carbon	12-2	110513	112067	110834	111138	0.74	cps
Chlorine	35-1	3506291	3812971	3995422	3771561	6.55	cps
Chlorine	35-2	27986	29523	29330	28946	2.89	cps
Chromium	52-2	2247	2430	2087	2255	7.62	cps
Cobalt	59-2	2184	2350	2077	2204	6.25	cps
Copper	63-2	2794	3721	2887	3134	16.29	cps
Dysprosium	156-1	50	17	33	33	50.00	cps
Dysprosium	156-2	20	17	20	19	10.18	cps
Erbium	164-1	142	183	117	147	22.88	cps
Erbium	164-2	50	80	53	61	26.91	cps
Gadolinium	160-1	158	167	142	156	8.18	cps
Gadolinium	160-2	57	40	50	49	17.16	cps
Holmium	165-1	23337274	24758036	23758359	23951223	3.05	cps
Holmium	165-2	9518697	9500539	9344805	9454681	1.01	cps
Indium	115-1	19417075	20837260	19967233	20073856	3.57	cps
Indium	115-2	2645014	2652572	2539406	2612331	2.42	cps
Iron	54-2	23592	25359	24505	24485	3.61	cps
Iron	56-2	421143	469211	417009	435788	6.66	cps
Iron	57-2	11294	12134	11193	11540	4.47	cps

LB Number :	LB116309	Operator :	Jaswal
Lab Sample ID :	M3710-02	Instrumnet Name :	P8
Client Sample ID :	EW131	Dilution Factor :	1
Date & Time Acquired ::	2021-09-14 17:59:11	DataFile Name :	027AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Krypton	83-1	560	653	510	574	12.66	cps
Lead	206-1	1278	1272	1256	1269	0.91	cps
Lead	207-1	1133	1250	1111	1165	6.41	cps
Lead	208-1	5173	5334	5106	5204	2.25	cps
Lithium	6-1	11111369	11145611	11178400	11145127	0.30	cps
Magnesium	24-2	7463334	7468680	7379930	7437315	0.67	cps
Manganese	55-2	91639	93186	88415	91080	2.67	cps
Molybdenum	94-1	186211	183349	183451	184337	0.88	cps
Molybdenum	95-1	325112	318744	320062	321306	1.05	cps
Molybdenum	96-1	348040	342822	343723	344862	0.81	cps
Molybdenum	97-1	200596	202269	199081	200649	0.79	cps
Molybdenum	98-1	511036	509127	520786	513650	1.22	cps
Neodymium	150-1	40	47	20	36	39.03	cps
Neodymium	150-2	0	10	3	4	114.60	cps
Nickel	60-2	5738	5745	5631	5705	1.12	cps
Phosphorus	31-2	233	392	375	333	26.10	cps
Potassium	39-2	702948	707374	706679	705667	0.34	cps
Rhodium	103-1	18239867	19385201	18523441	18716169	3.19	cps
Rhodium	103-2	7985567	8038181	7866706	7963485	1.10	cps
Scandium	45-1	15519850	15983206	15336009	15613022	2.14	cps
Scandium	45-2	433275	431042	422855	429057	1.28	cps
Selenium	82-1	144	93	249	162	49.30	cps
Selenium	77-2	0	3	0	1	173.21	cps
Selenium	78-2	34	50	52	45	21.77	cps
Silicon	28-1	44397276	42631169	44482541	43836995	2.38	cps
Silver	107-1	292	233	250	258	11.63	cps
Silver	109-1	167	275	92	178	51.85	cps
Sodium	23-2	27158442	27270743	27056543	27161910	0.39	cps
Strontium	86-1	889307	888965	876273	884848	0.84	cps
Strontium	88-1	7740378	7710779	7571526	7674228	1.17	cps
Sulfur	34-1	1969735	1972556	1970692	1970994	0.07	cps
Terbium	159-1	24248022	24759014	24703999	24570345	1.14	cps
Terbium	159-2	9486132	9545823	9120468	9384141	2.45	cps
Thallium	203-1	725	692	550	656	14.17	cps
Thallium	205-1	1859	1575	1617	1683	9.09	cps
Tin	118-1	2367	2525	2609	2500	4.91	cps

LB Number :	LB116309	Operator :	Jaswal
Lab Sample ID :	M3710-02	Instrumnet Name :	P8
Client Sample ID :	EW131	Dilution Factor :	1
Date & Time Acquired ::	2021-09-14 17:59:11	DataFile Name :	027AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Titanium	47-1	1017	967	1017	1000	2.89	cps
Uranium	238-1	184606	187035	186598	186080	0.70	cps
Vanadium	51-2	373	663	457	498	30.00	cps
Ytterbium	172-1	100	58	33	64	52.72	cps
Ytterbium	172-2	22	61	39	41	47.89	cps
Ytterbium	176-1	2759	2775	2525	2686	5.20	cps
Ytterbium	176-2	1278	1356	1356	1330	3.38	cps
Yttrium	89-1	32808262	33909586	33739688	33485845	1.77	cps
Yttrium	89-2	3247056	3243943	3118030	3203010	2.30	cps
Zinc	66-2	5078	5528	5208	5271	4.40	cps
Zirconium	90-1	2434	2384	2392	2403	1.12	cps
Zirconium	91-1	408	425	392	408	4.08	cps

LB Number : LB116309 Operator : Jaswal
 Lab Sample ID : M3710-03 Instrumnet Name : P8
 Client Sample ID : EW132 Dilution Factor : 1
 Date & Time Acquired :: 2021-09-14 18:02:05 DataFile Name : 028AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	1876	1852	1827	1852	1.32	cps
Antimony	121-1	2942	2992	2992	2975	0.97	cps
Arsenic	75-2	562	538	540	547	2.44	cps
Barium	135-1	281077	287365	285308	284583	1.13	cps
Barium	137-1	480018	495082	502804	492635	2.35	cps
Beryllium	9-1	66	100	82	83	20.57	cps
Bismuth	209-1	14734955	13920219	13913496	14189556	3.33	cps
Bismuth	209-2	6588413	6475821	6361219	6475151	1.75	cps
Boron	10-1	181113	190624	196172	189303	4.02	cps
Boron	11-1	839346	855136	861972	852151	1.36	cps
Bromine	81-1	80401	92003	101436	91280	11.54	cps
Cadmium	111-1	282	291	193	255	21.29	cps
Cadmium	106-1	9587	10062	9345	9665	3.78	cps
Cadmium	108-1	79	88	75	81	7.90	cps
Calcium	43-1	5336036	5372126	5356483	5354882	0.34	cps
Calcium	44-1	86350809	84819395	85682272	85617492	0.90	cps
Carbon	12-1	10568576	11065076	11604508	11079386	4.68	cps
Carbon	12-2	116452	120855	120433	119247	2.04	cps
Chlorine	35-1	2628965	2612174	2605850	2615663	0.46	cps
Chlorine	35-2	16493	16718	16910	16707	1.25	cps
Chromium	52-2	1677	1597	1783	1686	5.56	cps
Cobalt	59-2	2790	2727	2747	2755	1.18	cps
Copper	63-2	7455	7092	7535	7361	3.21	cps
Dysprosium	156-1	158	75	83	106	43.48	cps
Dysprosium	156-2	33	17	33	28	34.63	cps
Erbium	164-1	242	233	167	214	19.22	cps
Erbium	164-2	83	83	100	89	10.83	cps
Gadolinium	160-1	242	125	183	183	31.82	cps
Gadolinium	160-2	83	47	80	70	28.96	cps
Holmium	165-1	23980983	23263187	23696807	23646992	1.53	cps
Holmium	165-2	9716177	9388362	9260205	9454915	2.49	cps
Indium	115-1	20044167	19147673	19765909	19652583	2.33	cps
Indium	115-2	2638454	2591299	2598685	2609479	0.97	cps
Iron	54-2	235615	232430	232933	233659	0.73	cps
Iron	56-2	4300930	4353636	4416850	4357139	1.33	cps
Iron	57-2	106562	105606	107391	106519	0.84	cps

LB Number :	LB116309	Operator :	Jaswal
Lab Sample ID :	M3710-03	Instrumnet Name :	P8
Client Sample ID :	EW132	Dilution Factor :	1
Date & Time Acquired ::	2021-09-14 18:02:05	DataFile Name :	028AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Krypton	83-1	610	613	617	613	0.54	cps
Lead	206-1	4112	4301	4501	4305	4.52	cps
Lead	207-1	3223	3840	3751	3604	9.25	cps
Lead	208-1	16254	17283	16916	16818	3.10	cps
Lithium	6-1	11511713	11104494	11232691	11282966	1.85	cps
Magnesium	24-2	8603998	8599153	8517444	8573532	0.57	cps
Manganese	55-2	1262776	1251837	1261491	1258701	0.48	cps
Molybdenum	94-1	27127	26584	26442	26718	1.35	cps
Molybdenum	95-1	44296	43319	43828	43814	1.12	cps
Molybdenum	96-1	46737	46437	47716	46963	1.42	cps
Molybdenum	97-1	26952	26684	27077	26904	0.75	cps
Molybdenum	98-1	69148	67707	70940	69265	2.34	cps
Neodymium	150-1	100	113	113	109	7.07	cps
Neodymium	150-2	30	40	37	36	14.32	cps
Nickel	60-2	4874	4834	4627	4779	2.77	cps
Phosphorus	31-2	492	458	400	450	10.31	cps
Potassium	39-2	1860508	1888763	1867845	1872372	0.78	cps
Rhodium	103-1	18628788	17837356	18017551	18161231	2.28	cps
Rhodium	103-2	8069248	7720102	7793141	7860831	2.34	cps
Scandium	45-1	15376949	14731899	14800992	14969946	2.37	cps
Scandium	45-2	432024	411258	419404	420895	2.49	cps
Selenium	82-1	43	60	30	44	34.07	cps
Selenium	77-2	3	0	3	2	86.60	cps
Selenium	78-2	27	31	23	27	14.81	cps
Silicon	28-1	68523352	69505216	68458808	68829125	0.85	cps
Silver	107-1	183	258	267	236	19.44	cps
Silver	109-1	133	125	83	114	23.52	cps
Sodium	23-2	8231625	8318962	8245296	8265294	0.57	cps
Strontium	86-1	1849131	1869227	1877881	1865413	0.79	cps
Strontium	88-1	15617673	15817553	16076911	15837379	1.45	cps
Sulfur	34-1	1878225	1848441	1833875	1853514	1.22	cps
Terbium	159-1	24592938	23654510	23550158	23932535	2.40	cps
Terbium	159-2	9414671	8907470	8912689	9078277	3.21	cps
Thallium	203-1	508	483	517	503	3.45	cps
Thallium	205-1	1350	1400	1267	1339	5.03	cps
Tin	118-1	4309	4334	8103	5582	39.11	cps

LB Number :	LB116309	Operator :	Jaswal
Lab Sample ID :	M3710-03	Instrumnet Name :	P8
Client Sample ID :	EW132	Dilution Factor :	1
Date & Time Acquired ::	2021-09-14 18:02:05	DataFile Name :	028AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Titanium	47-1	2659	2459	2634	2584	4.22	cps
Uranium	238-1	38652	39052	38693	38799	0.57	cps
Vanadium	51-2	937	957	923	939	1.79	cps
Ytterbium	172-1	83	50	83	72	26.65	cps
Ytterbium	172-2	44	56	56	52	12.37	cps
Ytterbium	176-1	2909	2617	2909	2812	5.99	cps
Ytterbium	176-2	1339	1345	1217	1300	5.56	cps
Yttrium	89-1	33199633	32217484	32169572	32528896	1.79	cps
Yttrium	89-2	3108376	3072619	3037212	3072736	1.16	cps
Zinc	66-2	11405	11051	11248	11235	1.58	cps
Zirconium	90-1	5309	5159	5776	5415	5.94	cps
Zirconium	91-1	1225	1175	1133	1178	3.90	cps

LB Number :	LB116309	Operator :	Jaswal
Lab Sample ID :	M3710-04	Instrumnet Name :	P8
Client Sample ID :	EW132D	Dilution Factor :	1
Date & Time Acquired ::	2021-09-14 18:05:01	DataFile Name :	029AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	1796	1832	1769	1799	1.78	cps
Antimony	121-1	2675	2492	2725	2631	4.67	cps
Arsenic	75-2	571	586	506	554	7.67	cps
Barium	135-1	283366	282478	281626	282490	0.31	cps
Barium	137-1	498274	491704	492017	493998	0.75	cps
Beryllium	9-1	54	68	76	66	16.87	cps
Bismuth	209-1	13797323	13655155	14362904	13938461	2.69	cps
Bismuth	209-2	6658822	6101227	6328932	6362994	4.41	cps
Boron	10-1	188564	196108	204831	196501	4.14	cps
Boron	11-1	872278	859069	895045	875464	2.08	cps
Bromine	81-1	84479	95329	103019	94276	9.88	cps
Cadmium	111-1	207	222	201	210	5.09	cps
Cadmium	106-1	9429	9287	9604	9440	1.68	cps
Cadmium	108-1	88	83	75	82	7.77	cps
Calcium	43-1	5109637	5244192	5268661	5207497	1.64	cps
Calcium	44-1	84519655	84797278	85313009	84876647	0.47	cps
Carbon	12-1	10353505	10850648	11355364	10853172	4.62	cps
Carbon	12-2	114746	113245	113521	113837	0.70	cps
Chlorine	35-1	2066489	2116989	2125532	2103003	1.52	cps
Chlorine	35-2	14132	13482	14307	13974	3.11	cps
Chromium	52-2	2327	2294	2204	2275	2.81	cps
Cobalt	59-2	2744	2507	2564	2605	4.75	cps
Copper	63-2	7329	7035	6858	7074	3.36	cps
Dysprosium	156-1	75	50	50	58	24.74	cps
Dysprosium	156-2	43	47	27	39	27.55	cps
Erbium	164-1	208	225	192	208	8.00	cps
Erbium	164-2	83	73	73	77	7.53	cps
Gadolinium	160-1	167	133	217	172	24.36	cps
Gadolinium	160-2	67	77	40	61	31.02	cps
Holmium	165-1	23312603	22613744	24121743	23349364	3.23	cps
Holmium	165-2	9673933	9039710	9412596	9375413	3.40	cps
Indium	115-1	19278718	19252495	19954105	19495106	2.04	cps
Indium	115-2	2587779	2423038	2476568	2495795	3.37	cps
Iron	54-2	232963	228321	228829	230038	1.11	cps
Iron	56-2	4243864	4211066	4298420	4251117	1.04	cps
Iron	57-2	104754	103865	106847	105155	1.46	cps

LB Number :	LB116309	Operator :	Jaswal
Lab Sample ID :	M3710-04	Instrumnet Name :	P8
Client Sample ID :	EW132D	Dilution Factor :	1
Date & Time Acquired ::	2021-09-14 18:05:01	DataFile Name :	029AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Krypton	83-1	640	647	603	630	3.70	cps
Lead	206-1	3662	3506	3912	3693	5.54	cps
Lead	207-1	2928	2767	3128	2941	6.15	cps
Lead	208-1	13803	13536	14287	13875	2.74	cps
Lithium	6-1	11069326	10728647	11279085	11025686	2.52	cps
Magnesium	24-2	8540074	8625724	8379994	8515264	1.46	cps
Manganese	55-2	1256504	1256212	1262466	1258394	0.28	cps
Molybdenum	94-1	26634	26751	26167	26518	1.17	cps
Molybdenum	95-1	43895	42549	43410	43285	1.57	cps
Molybdenum	96-1	48435	47323	45375	47044	3.29	cps
Molybdenum	97-1	27186	27127	27302	27205	0.33	cps
Molybdenum	98-1	68972	68126	70187	69095	1.50	cps
Neodymium	150-1	93	113	100	102	9.96	cps
Neodymium	150-2	47	13	27	29	58.08	cps
Nickel	60-2	4677	4744	4444	4622	3.41	cps
Phosphorus	31-2	283	308	392	328	17.31	cps
Potassium	39-2	1851887	1787550	1880815	1840084	2.59	cps
Rhodium	103-1	17553748	17605575	18409655	17856326	2.69	cps
Rhodium	103-2	7822493	7406154	7592892	7607180	2.74	cps
Scandium	45-1	14521056	14459149	15228546	14736250	2.90	cps
Scandium	45-2	423647	398404	410998	411016	3.07	cps
Selenium	82-1	39	32	47	40	19.40	cps
Selenium	77-2	0	3	0	1	173.21	cps
Selenium	78-2	30	28	37	32	14.92	cps
Silicon	28-1	67400239	67105737	67861066	67455681	0.56	cps
Silver	107-1	217	208	192	206	6.19	cps
Silver	109-1	33	42	125	67	76.03	cps
Sodium	23-2	8363861	8214983	8154892	8244579	1.30	cps
Strontium	86-1	1772039	1826318	1809782	1802713	1.54	cps
Strontium	88-1	15576702	15394012	15321042	15430585	0.85	cps
Sulfur	34-1	1803440	1816977	1816997	1812471	0.43	cps
Terbium	159-1	23603232	23059928	24203706	23622289	2.42	cps
Terbium	159-2	9133132	8751135	8962015	8948761	2.14	cps
Thallium	203-1	542	517	483	514	5.70	cps
Thallium	205-1	1000	1300	1167	1156	13.01	cps
Tin	118-1	4367	5093	4518	4659	8.22	cps

LB Number :	LB116309	Operator :	Jaswal
Lab Sample ID :	M3710-04	Instrumnet Name :	P8
Client Sample ID :	EW132D	Dilution Factor :	1
Date & Time Acquired ::	2021-09-14 18:05:01	DataFile Name :	029AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Titanium	47-1	2392	2642	2825	2620	8.30	cps
Uranium	238-1	37415	38676	38760	38284	1.97	cps
Vanadium	51-2	877	877	960	904	5.32	cps
Ytterbium	172-1	83	92	142	106	29.89	cps
Ytterbium	172-2	22	50	33	35	39.74	cps
Ytterbium	176-1	2700	2700	2567	2656	2.90	cps
Ytterbium	176-2	1233	1195	1217	1215	1.61	cps
Yttrium	89-1	32655535	30846643	32200595	31900924	2.95	cps
Yttrium	89-2	3122725	2941080	3008531	3024112	3.04	cps
Zinc	66-2	10637	10691	10637	10655	0.29	cps
Zirconium	90-1	5293	4918	5551	5254	6.06	cps
Zirconium	91-1	1000	1250	1017	1089	12.84	cps

LB Number :	LB116309	Operator :	Jaswal
Lab Sample ID :	M3710-03LX5	Instrumnet Name :	P8
Client Sample ID :	EW132L	Dilution Factor :	5
Date & Time Acquired ::	2021-09-14 18:07:54	DataFile Name :	030AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	539	481	487	502	6.28	cps
Antimony	121-1	642	600	600	614	3.92	cps
Arsenic	75-2	102	107	131	113	13.68	cps
Barium	135-1	53373	54862	54184	54140	1.38	cps
Barium	137-1	93045	94220	94849	94038	0.97	cps
Beryllium	9-1	62	62	60	61	1.88	cps
Bismuth	209-1	13672647	13880817	14588214	14047226	3.42	cps
Bismuth	209-2	6150446	6252433	6461255	6288044	2.52	cps
Boron	10-1	61267	59960	59940	60389	1.26	cps
Boron	11-1	276916	283097	271887	277300	2.02	cps
Bromine	81-1	38552	39325	39034	38970	1.00	cps
Cadmium	111-1	55	55	70	60	14.11	cps
Cadmium	106-1	9379	9462	10179	9673	4.55	cps
Cadmium	108-1	33	58	21	37	50.92	cps
Calcium	43-1	1004219	1003843	1012452	1006838	0.48	cps
Calcium	44-1	16750887	16209824	16453781	16471498	1.65	cps
Carbon	12-1	6919888	6968189	6964569	6950882	0.39	cps
Carbon	12-2	66124	65522	67280	66309	1.35	cps
Chlorine	35-1	1440905	1419391	1363419	1407905	2.84	cps
Chlorine	35-2	8336	8144	8403	8294	1.62	cps
Chromium	52-2	950	927	897	924	2.89	cps
Cobalt	59-2	540	567	480	529	8.39	cps
Copper	63-2	1930	2003	2004	1979	2.14	cps
Dysprosium	156-1	25	17	25	22	21.64	cps
Dysprosium	156-2	7	20	10	12	56.76	cps
Erbium	164-1	108	192	167	156	27.49	cps
Erbium	164-2	57	57	77	63	18.23	cps
Gadolinium	160-1	108	183	142	144	26.01	cps
Gadolinium	160-2	57	37	63	52	26.57	cps
Holmium	165-1	21758787	22295019	24072490	22708765	5.33	cps
Holmium	165-2	8935050	8904848	9027038	8955645	0.71	cps
Indium	115-1	19037436	18919041	20166465	19374314	3.55	cps
Indium	115-2	2421266	2501110	2551692	2491356	2.64	cps
Iron	54-2	45941	45261	45796	45666	0.78	cps
Iron	56-2	832165	826397	814773	824445	1.07	cps
Iron	57-2	21032	20949	20604	20862	1.09	cps

LB Number :	LB116309	Operator :	Jaswal
Lab Sample ID :	M3710-03LX5	Instrumnet Name :	P8
Client Sample ID :	EW132L	Dilution Factor :	5
Date & Time Acquired ::	2021-09-14 18:07:54	DataFile Name :	030AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Krypton	83-1	587	553	663	601	9.38	cps
Lead	206-1	1356	1356	1283	1332	3.13	cps
Lead	207-1	1139	1078	1183	1133	4.68	cps
Lead	208-1	5184	5217	5367	5256	1.86	cps
Lithium	6-1	11101898	10844429	12042902	11329743	5.57	cps
Magnesium	24-2	1710057	1690727	1705274	1702019	0.59	cps
Manganese	55-2	249080	248325	242660	246689	1.42	cps
Molybdenum	94-1	5601	6010	5818	5810	3.52	cps
Molybdenum	95-1	8528	9220	8444	8731	4.88	cps
Molybdenum	96-1	9637	9087	9203	9309	3.12	cps
Molybdenum	97-1	5226	5418	5243	5296	2.01	cps
Molybdenum	98-1	13198	14107	13816	13707	3.39	cps
Neodymium	150-1	13	13	47	24	78.75	cps
Neodymium	150-2	0	0	10	3	173.21	cps
Nickel	60-2	990	1057	957	1001	5.09	cps
Phosphorus	31-2	200	217	142	186	21.16	cps
Potassium	39-2	370359	366901	356660	364640	1.95	cps
Rhodium	103-1	17432277	17759633	18751730	17981213	3.82	cps
Rhodium	103-2	7333133	7575529	7969692	7626118	4.21	cps
Scandium	45-1	14518164	14447135	15292249	14752516	3.18	cps
Scandium	45-2	399322	402335	412211	404622	1.67	cps
Selenium	82-1	45	55	-43	19	286.81	cps
Selenium	77-2	0	0	0	0	0.00	cps
Selenium	78-2	28	29	29	29	2.01	cps
Silicon	28-1	13677114	13407422	13531139	13538558	1.00	cps
Silver	107-1	208	225	175	203	12.55	cps
Silver	109-1	100	75	42	72	40.52	cps
Sodium	23-2	1639057	1635756	1632995	1635936	0.19	cps
Strontium	86-1	351708	353069	357302	354026	0.82	cps
Strontium	88-1	3100243	3091286	3118289	3103273	0.44	cps
Sulfur	34-1	877905	870472	866117	871498	0.68	cps
Terbium	159-1	22936156	23478715	24789403	23734758	4.01	cps
Terbium	159-2	8698342	8756244	9198626	8884404	3.08	cps
Thallium	203-1	433	467	367	422	12.06	cps
Thallium	205-1	958	825	792	858	10.28	cps
Tin	118-1	1767	1692	1917	1792	6.39	cps

LB Number :	LB116309	Operator :	Jaswal
Lab Sample ID :	M3710-03LX5	Instrumnet Name :	P8
Client Sample ID :	EW132L	Dilution Factor :	5
Date & Time Acquired ::	2021-09-14 18:07:54	DataFile Name :	030AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Titanium	47-1	683	775	758	739	6.61	cps
Uranium	238-1	7703	7594	7652	7650	0.71	cps
Vanadium	51-2	193	177	213	194	9.44	cps
Ytterbium	172-1	42	75	50	56	31.22	cps
Ytterbium	172-2	17	0	22	13	89.21	cps
Ytterbium	176-1	2625	2434	2675	2578	4.95	cps
Ytterbium	176-2	1128	1389	1389	1302	11.58	cps
Yttrium	89-1	31505263	31587085	33658408	32250252	3.78	cps
Yttrium	89-2	2878156	3039060	3074750	2997322	3.49	cps
Zinc	66-2	2790	2827	2907	2841	2.10	cps
Zirconium	90-1	2392	2367	2317	2359	1.62	cps
Zirconium	91-1	542	533	492	522	5.13	cps

LB Number :	LB116309	Operator :	Jaswal
Lab Sample ID :	M3710-05	Instrumnet Name :	P8
Client Sample ID :	EW132S	Dilution Factor :	1
Date & Time Acquired ::	2021-09-14 18:10:53	DataFile Name :	031AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	147012	145185	145001	145733	0.76	cps
Antimony	121-1	898987	900205	902237	900476	0.18	cps
Arsenic	75-2	10506	10357	10421	10428	0.72	cps
Barium	135-1	4684949	4727251	4709048	4707082	0.45	cps
Barium	137-1	7931007	8067457	8131973	8043479	1.28	cps
Beryllium	9-1	171637	170480	169854	170657	0.53	cps
Bismuth	209-1	13920922	14689573	13765914	14125470	3.50	cps
Bismuth	209-2	6151845	6316849	6656969	6375221	4.04	cps
Boron	10-1	179620	189889	200052	189854	5.38	cps
Boron	11-1	795014	842550	893876	843813	5.86	cps
Bromine	81-1	69030	79354	85354	77913	10.60	cps
Cadmium	111-1	119961	116372	120865	119066	2.00	cps
Cadmium	106-1	20842	21459	20766	21022	1.81	cps
Cadmium	108-1	8490	8432	8178	8367	1.99	cps
Calcium	43-1	5330184	5178144	5372573	5293633	1.93	cps
Calcium	44-1	85462215	84209336	86442817	85371456	1.31	cps
Carbon	12-1	9784366	10525057	11135494	10481639	6.46	cps
Carbon	12-2	114900	114150	115260	114770	0.49	cps
Chlorine	35-1	4075270	4600945	5119988	4598734	11.36	cps
Chlorine	35-2	39739	42262	44753	42251	5.93	cps
Chromium	52-2	533431	538194	533203	534943	0.53	cps
Cobalt	59-2	2453175	2525410	2470767	2483118	1.52	cps
Copper	63-2	882827	892337	879863	885009	0.74	cps
Dysprosium	156-1	50	108	50	69	48.50	cps
Dysprosium	156-2	17	17	37	23	49.48	cps
Erbium	164-1	167	192	225	194	15.05	cps
Erbium	164-2	87	37	70	64	39.50	cps
Gadolinium	160-1	208	183	200	197	6.45	cps
Gadolinium	160-2	57	53	90	67	30.41	cps
Holmium	165-1	23159146	24947307	23487494	23864649	3.99	cps
Holmium	165-2	8940222	9200191	9753360	9297924	4.47	cps
Indium	115-1	19020376	20428239	19495693	19648103	3.65	cps
Indium	115-2	2474456	2417809	2705484	2532583	6.02	cps
Iron	54-2	368282	367378	366149	367270	0.29	cps
Iron	56-2	6482681	6451718	6446439	6460279	0.30	cps
Iron	57-2	161078	161698	157865	160214	1.28	cps

LB Number :	LB116309	Operator :	Jaswal
Lab Sample ID :	M3710-05	Instrumnet Name :	P8
Client Sample ID :	EW132S	Dilution Factor :	1
Date & Time Acquired ::	2021-09-14 18:10:53	DataFile Name :	031AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Krypton	83-1	547	710	580	612	14.10	cps
Lead	206-1	138663	139801	142875	140446	1.55	cps
Lead	207-1	127214	123747	122877	124613	1.84	cps
Lead	208-1	563654	557249	563270	561391	0.64	cps
Lithium	6-1	11569051	11726385	11281505	11525647	1.96	cps
Magnesium	24-2	8682506	8675917	8528188	8628871	1.01	cps
Manganese	55-2	1965129	1945349	1967463	1959313	0.62	cps
Molybdenum	94-1	317681	315674	317703	317019	0.37	cps
Molybdenum	95-1	552399	557597	566630	558875	1.29	cps
Molybdenum	96-1	584282	592167	589709	588719	0.69	cps
Molybdenum	97-1	342125	335041	339424	338863	1.06	cps
Molybdenum	98-1	875543	874042	901857	883814	1.77	cps
Neodymium	150-1	293	293	327	304	6.32	cps
Neodymium	150-2	37	43	17	32	43.06	cps
Nickel	60-2	645563	642640	642622	643608	0.26	cps
Phosphorus	31-2	400	467	317	394	19.05	cps
Potassium	39-2	1823542	1872111	1859316	1851656	1.36	cps
Rhodium	103-1	18143573	18869161	18299635	18437456	2.07	cps
Rhodium	103-2	7471755	7398418	8162328	7677500	5.49	cps
Scandium	45-1	14830872	15089658	14808768	14909766	1.05	cps
Scandium	45-2	395706	408682	436091	413493	4.99	cps
Selenium	82-1	18092	17862	18502	18152	1.78	cps
Selenium	77-2	490	467	413	457	8.61	cps
Selenium	78-2	1581	1589	1537	1569	1.78	cps
Silicon	28-1	68593331	67399112	69498720	68497054	1.54	cps
Silver	107-1	367813	367170	373988	369657	1.02	cps
Silver	109-1	350915	356595	357434	354981	1.00	cps
Sodium	23-2	8208647	8382559	8403481	8331563	1.28	cps
Strontium	86-1	1896422	1849860	1851893	1866058	1.41	cps
Strontium	88-1	16149569	15685780	16009857	15948402	1.49	cps
Sulfur	34-1	1838520	1801118	1816549	1818729	1.03	cps
Terbium	159-1	24429709	25727378	23912825	24689970	3.79	cps
Terbium	159-2	9085138	8965993	9545221	9198784	3.33	cps
Thallium	203-1	434129	440088	440287	438168	0.80	cps
Thallium	205-1	1035296	1035853	1056375	1042508	1.15	cps
Tin	118-1	4834	4918	4893	4882	0.88	cps

LB Number :	LB116309	Operator :	Jaswal
Lab Sample ID :	M3710-05	Instrumnet Name :	P8
Client Sample ID :	EW132S	Dilution Factor :	1
Date & Time Acquired ::	2021-09-14 18:10:53	DataFile Name :	031AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Titanium	47-1	2709	2775	2650	2711	2.31	cps
Uranium	238-1	39078	38484	40574	39379	2.73	cps
Vanadium	51-2	1061269	1067126	1049699	1059364	0.84	cps
Ytterbium	172-1	100	108	75	94	18.37	cps
Ytterbium	172-2	56	39	28	41	34.32	cps
Ytterbium	176-1	2800	2775	2609	2728	3.82	cps
Ytterbium	176-2	1122	1239	1422	1261	11.99	cps
Yttrium	89-1	33026250	33918139	32813673	33252687	1.76	cps
Yttrium	89-2	2993532	2977585	3131847	3034321	2.80	cps
Zinc	66-2	215449	220209	215530	217062	1.26	cps
Zirconium	90-1	5618	5785	5426	5610	3.20	cps
Zirconium	91-1	1192	1217	1183	1197	1.45	cps

LB Number :	LB116309	Operator :	Jaswal
Lab Sample ID :	M3713-13	Instrumnet Name :	P8
Client Sample ID :	JCF16	Dilution Factor :	1
Date & Time Acquired ::	2021-09-14 18:16:57	DataFile Name :	033AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	945	890	881	905	3.82	cps
Antimony	121-1	117	150	158	142	15.56	cps
Arsenic	75-2	10	13	9	11	19.52	cps
Barium	135-1	850	758	767	792	6.40	cps
Barium	137-1	1300	1442	1392	1378	5.21	cps
Beryllium	9-1	38	54	76	56	34.08	cps
Bismuth	209-1	13697098	15048784	14377133	14374338	4.70	cps
Bismuth	209-2	6794732	6724954	6672265	6730650	0.91	cps
Boron	10-1	12617	12103	11282	12001	5.61	cps
Boron	11-1	59163	53884	50946	54664	7.62	cps
Bromine	81-1	12138	12108	11356	11867	3.73	cps
Cadmium	111-1	32	9	-7	11	174.04	cps
Cadmium	106-1	9370	9962	9971	9768	3.52	cps
Cadmium	108-1	13	67	50	43	64.44	cps
Calcium	43-1	2381	2345	2301	2342	1.71	cps
Calcium	44-1	50971	51396	51246	51204	0.42	cps
Carbon	12-1	4981831	4982685	4969922	4978146	0.14	cps
Carbon	12-2	47226	47569	48414	47736	1.28	cps
Chlorine	35-1	1297998	1254195	1195928	1249373	4.10	cps
Chlorine	35-2	6502	7344	6818	6888	6.17	cps
Chromium	52-2	773	610	743	709	12.26	cps
Cobalt	59-2	117	107	110	111	4.58	cps
Copper	63-2	1030	1147	1100	1092	5.38	cps
Dysprosium	156-1	58	67	25	50	44.10	cps
Dysprosium	156-2	10	7	7	8	24.71	cps
Erbium	164-1	133	158	133	142	10.19	cps
Erbium	164-2	73	57	73	68	14.19	cps
Gadolinium	160-1	133	142	133	136	3.53	cps
Gadolinium	160-2	30	60	47	46	32.99	cps
Holmium	165-1	22238458	23012887	23430897	22894081	2.64	cps
Holmium	165-2	9599030	9459477	9341536	9466681	1.36	cps
Indium	115-1	19012776	19957103	19468631	19479504	2.42	cps
Indium	115-2	2631796	2610288	2580370	2607485	0.99	cps
Iron	54-2	1239	1450	1195	1295	10.55	cps
Iron	56-2	20676	20610	20732	20673	0.30	cps
Iron	57-2	589	561	528	559	5.47	cps

LB Number :	LB116309	Operator :	Jaswal
Lab Sample ID :	M3713-13	Instrumnet Name :	P8
Client Sample ID :	JCF16	Dilution Factor :	1
Date & Time Acquired ::	2021-09-14 18:16:57	DataFile Name :	033AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Krypton	83-1	650	573	610	611	6.27	cps
Lead	206-1	2906	2867	3062	2945	3.49	cps
Lead	207-1	2956	2823	2756	2845	3.58	cps
Lead	208-1	11697	11541	11975	11737	1.87	cps
Lithium	6-1	10835895	11140883	11700931	11225903	3.91	cps
Magnesium	24-2	3325	3451	3300	3359	2.39	cps
Manganese	55-2	1217	1260	1247	1241	1.79	cps
Molybdenum	94-1	433	667	542	547	21.34	cps
Molybdenum	95-1	17	50	92	53	71.20	cps
Molybdenum	96-1	225	192	158	192	17.39	cps
Molybdenum	97-1	33	50	67	50	33.34	cps
Molybdenum	98-1	117	167	108	131	24.16	cps
Neodymium	150-1	13	53	47	38	56.73	cps
Neodymium	150-2	7	7	0	4	86.60	cps
Nickel	60-2	77	70	97	81	17.11	cps
Phosphorus	31-2	83	142	167	131	32.75	cps
Potassium	39-2	13190	13106	13507	13268	1.59	cps
Rhodium	103-1	18044747	18737353	18647102	18476401	2.04	cps
Rhodium	103-2	8150601	8014832	7878380	8014604	1.70	cps
Scandium	45-1	14158104	14815729	14980678	14651504	2.97	cps
Scandium	45-2	418468	408050	413255	413258	1.26	cps
Selenium	82-1	-35	54	-59	-13	-452.42	cps
Selenium	77-2	0	0	0	0	0.00	cps
Selenium	78-2	32	20	24	25	24.12	cps
Silicon	28-1	411543	419399	413776	414906	0.98	cps
Silver	107-1	292	358	317	322	10.45	cps
Silver	109-1	192	275	192	219	21.92	cps
Sodium	23-2	25573	25473	25498	25514	0.20	cps
Strontium	86-1	2342	2442	2084	2289	8.08	cps
Strontium	88-1	12614	12097	11705	12139	3.76	cps
Sulfur	34-1	533694	534376	535136	534402	0.13	cps
Terbium	159-1	23403194	24126897	23174035	23568042	2.11	cps
Terbium	159-2	9219247	9162129	9059682	9147019	0.88	cps
Thallium	203-1	383	333	433	383	13.04	cps
Thallium	205-1	875	892	892	886	1.09	cps
Tin	118-1	1025	1108	1142	1092	5.50	cps

LB Number :	LB116309	Operator :	Jaswal
Lab Sample ID :	M3713-13	Instrumnet Name :	P8
Client Sample ID :	JCF16	Dilution Factor :	1
Date & Time Acquired ::	2021-09-14 18:16:57	DataFile Name :	033AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Titanium	47-1	408	500	425	444	10.99	cps
Uranium	238-1	8	25	33	22	57.29	cps
Vanadium	51-2	73	50	43	56	28.35	cps
Ytterbium	172-1	75	58	83	72	17.62	cps
Ytterbium	172-2	22	39	39	33	28.87	cps
Ytterbium	176-1	2684	2475	2959	2706	8.96	cps
Ytterbium	176-2	1106	1339	1267	1237	9.66	cps
Yttrium	89-1	31076818	32561638	32079710	31906055	2.37	cps
Yttrium	89-2	3109125	3105429	2961238	3058597	2.76	cps
Zinc	66-2	1050	1130	967	1049	7.79	cps
Zirconium	90-1	1500	1542	1433	1492	3.66	cps
Zirconium	91-1	367	275	292	311	15.69	cps

LB Number :	LB116309	Operator :	Jaswal
Lab Sample ID :	M3713-01	Instrumnet Name :	P8
Client Sample ID :	JCF03	Dilution Factor :	1
Date & Time Acquired ::	2021-09-14 18:19:58	DataFile Name :	034AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	1837216	1893672	1824397	1851762	1.99	cps
Antimony	121-1	2792	3842	3534	3389	15.93	cps
Arsenic	75-2	4869	4946	4992	4936	1.26	cps
Barium	135-1	371620	374937	378550	375036	0.92	cps
Barium	137-1	647372	649924	653007	650101	0.43	cps
Beryllium	9-1	2902	3112	3094	3036	3.83	cps
Bismuth	209-1	14776859	15044112	15086563	14969178	1.12	cps
Bismuth	209-2	6662331	6639268	6277742	6526447	3.30	cps
Boron	10-1	12669	12633	12105	12469	2.53	cps
Boron	11-1	58964	57366	55535	57288	2.99	cps
Bromine	81-1	14993	15875	15795	15555	3.14	cps
Cadmium	111-1	168	243	236	216	19.32	cps
Cadmium	106-1	9545	10004	10096	9882	2.98	cps
Cadmium	108-1	142	108	96	115	20.55	cps
Calcium	43-1	289164	289782	297008	291984	1.49	cps
Calcium	44-1	4801887	4874669	5052372	4909643	2.62	cps
Carbon	12-1	10680755	10785647	10981561	10815987	1.41	cps
Carbon	12-2	105915	104211	106594	105573	1.16	cps
Chlorine	35-1	62811122	80575266	94279677	79222022	19.92	cps
Chlorine	35-2	692392	729878	737893	720054	3.37	cps
Chromium	52-2	98453	98278	96309	97680	1.22	cps
Cobalt	59-2	124896	123822	124570	124429	0.44	cps
Copper	63-2	302126	299992	301123	301081	0.35	cps
Dysprosium	156-1	25734	25608	25091	25478	1.34	cps
Dysprosium	156-2	9397	9537	9500	9478	0.77	cps
Erbium	164-1	23672	23738	22904	23438	1.98	cps
Erbium	164-2	8633	9137	9170	8980	3.35	cps
Gadolinium	160-1	25258	23747	24515	24506	3.08	cps
Gadolinium	160-2	11068	11502	11512	11360	2.23	cps
Holmium	165-1	24042193	23597685	24072128	23904002	1.11	cps
Holmium	165-2	9451072	9448375	8741116	9213521	4.44	cps
Indium	115-1	20309626	19892162	20339351	20180380	1.24	cps
Indium	115-2	2551783	2575733	2446549	2524689	2.72	cps
Iron	54-2	6269159	6239033	6176059	6228084	0.76	cps
Iron	56-2	111511986	111400186	112496755	111802976	0.54	cps
Iron	57-2	2874298	2825224	2974202	2891241	2.63	cps

LB Number :	LB116309	Operator :	Jaswal
Lab Sample ID :	M3713-01	Instrumnet Name :	P8
Client Sample ID :	JCF03	Dilution Factor :	1
Date & Time Acquired ::	2021-09-14 18:19:58	DataFile Name :	034AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Krypton	83-1	550	597	630	592	6.79	cps
Lead	206-1	24846	24846	25759	25151	2.10	cps
Lead	207-1	20695	21357	21362	21138	1.82	cps
Lead	208-1	97506	97036	98669	97737	0.86	cps
Lithium	6-1	11461291	11446624	11723465	11543793	1.35	cps
Magnesium	24-2	1199615	1189402	1178170	1189063	0.90	cps
Manganese	55-2	2347901	2391095	2339559	2359518	1.17	cps
Molybdenum	94-1	16076	15868	16143	16029	0.90	cps
Molybdenum	95-1	1533	1567	1675	1592	4.65	cps
Molybdenum	96-1	4826	4743	4609	4726	2.31	cps
Molybdenum	97-1	950	867	983	933	6.44	cps
Molybdenum	98-1	2292	2709	2442	2481	8.51	cps
Neodymium	150-1	35735	35601	36711	36015	1.68	cps
Neodymium	150-2	10377	10518	10117	10337	1.97	cps
Nickel	60-2	31475	31244	31244	31321	0.43	cps
Phosphorus	31-2	2684	2709	2867	2753	3.61	cps
Potassium	39-2	58419	58871	58636	58642	0.38	cps
Rhodium	103-1	19050759	18687050	18723249	18820353	1.06	cps
Rhodium	103-2	7974190	8069878	7658895	7900988	2.72	cps
Scandium	45-1	15432989	15480216	15766665	15559956	1.16	cps
Scandium	45-2	424849	423687	397515	415350	3.72	cps
Selenium	82-1	161	47	56	88	71.94	cps
Selenium	77-2	50	53	57	53	6.25	cps
Selenium	78-2	52	74	44	57	27.42	cps
Silicon	28-1	14173938	13386592	14136650	13899060	3.20	cps
Silver	107-1	1483	1625	1517	1542	4.80	cps
Silver	109-1	1308	1200	1167	1225	6.05	cps
Sodium	23-2	135585	136736	137360	136561	0.66	cps
Strontium	86-1	277473	284949	286431	282951	1.70	cps
Strontium	88-1	2412135	2385642	2477940	2425239	1.96	cps
Sulfur	34-1	516767	514113	514542	515141	0.28	cps
Terbium	159-1	24749330	24506374	24623980	24626562	0.49	cps
Terbium	159-2	9392992	9169137	8620201	9060776	4.39	cps
Thallium	203-1	1517	1633	2084	1745	17.15	cps
Thallium	205-1	3484	4426	4784	4231	15.87	cps
Tin	118-1	11797	11297	11405	11500	2.29	cps

LB Number :	LB116309	Operator :	Jaswal
Lab Sample ID :	M3713-01	Instrumnet Name :	P8
Client Sample ID :	JCF03	Dilution Factor :	1
Date & Time Acquired ::	2021-09-14 18:19:58	DataFile Name :	034AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Titanium	47-1	338599	342327	352895	344607	2.15	cps
Uranium	238-1	6218	5785	6102	6035	3.72	cps
Vanadium	51-2	234240	233875	231967	233360	0.52	cps
Ytterbium	172-1	6860	6885	7019	6921	1.23	cps
Ytterbium	172-2	3184	3262	3306	3250	1.90	cps
Ytterbium	176-1	7294	7544	7302	7380	1.93	cps
Ytterbium	176-2	3306	3239	3306	3284	1.17	cps
Yttrium	89-1	33190030	32848409	33852683	33297040	1.53	cps
Yttrium	89-2	3134244	3192773	2970244	3099087	3.72	cps
Zinc	66-2	51219	51353	51430	51334	0.21	cps
Zirconium	90-1	42173	42231	42674	42359	0.65	cps
Zirconium	91-1	10037	9328	10204	9857	4.72	cps

LB Number :	LB116309	Operator :	Jaswal
Lab Sample ID :	M3713-02	Instrumnet Name :	P8
Client Sample ID :	JCF03D	Dilution Factor :	1
Date & Time Acquired ::	2021-09-14 18:22:53	DataFile Name :	035AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	1825715	1768248	1806120	1800027	1.62	cps
Antimony	121-1	4459	4676	4634	4590	2.51	cps
Arsenic	75-2	4843	4717	4654	4738	2.03	cps
Barium	135-1	359503	362813	360258	360858	0.48	cps
Barium	137-1	617020	641598	618854	625824	2.19	cps
Beryllium	9-1	2922	3014	3096	3010	2.89	cps
Bismuth	209-1	15211766	15084178	14299795	14865246	3.32	cps
Bismuth	209-2	6567440	6426188	6566514	6520047	1.25	cps
Boron	10-1	9151	9473	9081	9235	2.26	cps
Boron	11-1	41580	41843	42222	41882	0.77	cps
Bromine	81-1	14372	13611	14733	14239	4.02	cps
Cadmium	111-1	199	313	336	283	26.04	cps
Cadmium	106-1	9512	9287	9187	9328	1.79	cps
Cadmium	108-1	171	117	104	131	27.14	cps
Calcium	43-1	299384	298840	296129	298118	0.58	cps
Calcium	44-1	4821800	4957464	4843334	4874199	1.50	cps
Carbon	12-1	11348002	11202545	11344130	11298226	0.73	cps
Carbon	12-2	107737	107743	108734	108071	0.53	cps
Chlorine	35-1	107638144	120666957	125316411	117873837	7.77	cps
Chlorine	35-2	840729	838084	849004	842605	0.68	cps
Chromium	52-2	94111	92893	92252	93085	1.01	cps
Cobalt	59-2	118592	116529	119489	118203	1.28	cps
Copper	63-2	305962	299967	300161	302030	1.13	cps
Dysprosium	156-1	25800	26101	25533	25812	1.10	cps
Dysprosium	156-2	9153	9173	9227	9184	0.41	cps
Erbium	164-1	23864	23580	22962	23469	1.96	cps
Erbium	164-2	8803	8543	8813	8720	1.76	cps
Gadolinium	160-1	25942	26343	25483	25923	1.66	cps
Gadolinium	160-2	11402	10928	11318	11216	2.25	cps
Holmium	165-1	23907041	24231029	23372220	23836763	1.82	cps
Holmium	165-2	9262422	9286139	9369797	9306120	0.61	cps
Indium	115-1	20029367	20876717	20179608	20361897	2.22	cps
Indium	115-2	2522265	2542069	2517959	2527431	0.51	cps
Iron	54-2	6038762	5970985	5932951	5980900	0.90	cps
Iron	56-2	110493883	107520333	108425105	108813107	1.40	cps
Iron	57-2	2876866	2726442	2805019	2802776	2.68	cps

LB Number :	LB116309	Operator :	Jaswal
Lab Sample ID :	M3713-02	Instrumnet Name :	P8
Client Sample ID :	JCF03D	Dilution Factor :	1
Date & Time Acquired ::	2021-09-14 18:22:53	DataFile Name :	035AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Krypton	83-1	607	653	557	606	7.98	cps
Lead	206-1	24568	25681	25347	25199	2.27	cps
Lead	207-1	20522	20689	21251	20821	1.83	cps
Lead	208-1	96024	98660	99958	98214	2.04	cps
Lithium	6-1	11404767	11773520	11321390	11499893	2.09	cps
Magnesium	24-2	1174061	1172409	1154717	1167062	0.92	cps
Manganese	55-2	2156515	2071707	2091914	2106712	2.10	cps
Molybdenum	94-1	16911	16518	17495	16975	2.89	cps
Molybdenum	95-1	1242	1517	1567	1442	12.14	cps
Molybdenum	96-1	4776	5143	4893	4937	3.80	cps
Molybdenum	97-1	883	908	783	858	7.71	cps
Molybdenum	98-1	2475	2175	2384	2345	6.56	cps
Neodymium	150-1	37560	36670	37052	37094	1.20	cps
Neodymium	150-2	10498	10454	10031	10327	2.50	cps
Nickel	60-2	29370	29023	28665	29020	1.21	cps
Phosphorus	31-2	2717	2742	2684	2714	1.08	cps
Potassium	39-2	58085	56502	57030	57206	1.41	cps
Rhodium	103-1	19001876	19039805	18515242	18852308	1.55	cps
Rhodium	103-2	7869699	7934004	7923082	7908928	0.44	cps
Scandium	45-1	15242706	15535358	15105461	15294509	1.44	cps
Scandium	45-2	425542	423132	421259	423311	0.51	cps
Selenium	82-1	61	45	138	81	61.07	cps
Selenium	77-2	50	53	70	58	18.55	cps
Selenium	78-2	73	73	73	73	0.00	cps
Silicon	28-1	14482336	14844977	14361625	14562980	1.73	cps
Silver	107-1	2000	2625	3242	2623	23.68	cps
Silver	109-1	1975	2434	2909	2439	19.14	cps
Sodium	23-2	141818	143922	143965	143235	0.86	cps
Strontium	86-1	274860	278437	279763	277686	0.91	cps
Strontium	88-1	2468408	2482788	2422275	2457824	1.29	cps
Sulfur	34-1	497025	495185	483591	491934	1.48	cps
Terbium	159-1	25122533	24197903	24023088	24447841	2.42	cps
Terbium	159-2	9064079	8922744	8956504	8981109	0.82	cps
Thallium	203-1	2142	2509	2550	2400	9.36	cps
Thallium	205-1	4893	5843	6018	5585	10.84	cps
Tin	118-1	11397	12139	11739	11758	3.16	cps

LB Number :	LB116309	Operator :	Jaswal
Lab Sample ID :	M3713-02	Instrumnet Name :	P8
Client Sample ID :	JCF03D	Dilution Factor :	1
Date & Time Acquired ::	2021-09-14 18:22:53	DataFile Name :	035AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Titanium	47-1	369833	375854	370304	371997	0.90	cps
Uranium	238-1	5985	6227	5485	5899	6.42	cps
Vanadium	51-2	233893	232078	232232	232734	0.43	cps
Ytterbium	172-1	7327	7286	7311	7308	0.29	cps
Ytterbium	172-2	3212	3245	3156	3204	1.40	cps
Ytterbium	176-1	7160	7244	6844	7083	2.98	cps
Ytterbium	176-2	3400	3295	3228	3308	2.63	cps
Yttrium	89-1	34477139	33944879	32966202	33796073	2.27	cps
Yttrium	89-2	3146945	3137490	3088217	3124217	1.01	cps
Zinc	66-2	47934	47636	46466	47346	1.64	cps
Zirconium	90-1	46143	44580	44538	45087	2.03	cps
Zirconium	91-1	9904	9929	10137	9990	1.28	cps

LB Number :	LB116309	Operator :	Jaswal
Lab Sample ID :	M3713-01LX5	Instrumnet Name :	P8
Client Sample ID :	JCF03L	Dilution Factor :	5
Date & Time Acquired ::	2021-09-14 18:25:46	DataFile Name :	036AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	343937	340337	344286	342853	0.64	cps
Antimony	121-1	1000	992	1117	1036	6.75	cps
Arsenic	75-2	967	945	940	951	1.51	cps
Barium	135-1	71623	72017	70870	71503	0.82	cps
Barium	137-1	126968	125124	123201	125098	1.51	cps
Beryllium	9-1	588	586	594	589	0.71	cps
Bismuth	209-1	13998671	14477964	14622203	14366279	2.27	cps
Bismuth	209-2	6422857	6356036	6430328	6403073	0.64	cps
Boron	10-1	5974	5928	6024	5975	0.80	cps
Boron	11-1	27216	27516	26649	27127	1.62	cps
Bromine	81-1	9703	9994	10024	9907	1.79	cps
Cadmium	111-1	59	105	88	84	27.57	cps
Cadmium	106-1	8786	9520	9679	9328	5.10	cps
Cadmium	108-1	67	50	50	56	17.32	cps
Calcium	43-1	58632	57745	57492	57956	1.03	cps
Calcium	44-1	953891	951760	941464	949038	0.70	cps
Carbon	12-1	6227962	6248989	6205544	6227498	0.35	cps
Carbon	12-2	58701	57237	59948	58629	2.31	cps
Chlorine	35-1	35294064	35111639	34031326	34812343	1.96	cps
Chlorine	35-2	211282	208814	208445	209514	0.74	cps
Chromium	52-2	19270	19577	18849	19232	1.90	cps
Cobalt	59-2	24321	24107	23633	24020	1.47	cps
Copper	63-2	59588	58905	57968	58820	1.38	cps
Dysprosium	156-1	4851	4726	4651	4743	2.13	cps
Dysprosium	156-2	1833	1717	1757	1769	3.35	cps
Erbium	164-1	5118	4659	4843	4873	4.74	cps
Erbium	164-2	1703	1787	1870	1787	4.66	cps
Gadolinium	160-1	4709	5009	5168	4962	4.69	cps
Gadolinium	160-2	2154	2207	2174	2178	1.24	cps
Holmium	165-1	23168353	23730938	23320091	23406460	1.24	cps
Holmium	165-2	9015567	9032801	9160089	9069486	0.87	cps
Indium	115-1	19819274	19614823	20277783	19903960	1.71	cps
Indium	115-2	2450610	2467361	2561600	2493190	2.40	cps
Iron	54-2	1164536	1161677	1148247	1158153	0.75	cps
Iron	56-2	21906707	21353022	21212288	21490672	1.71	cps
Iron	57-2	526783	527032	523118	525644	0.42	cps

LB Number :	LB116309	Operator :	Jaswal
Lab Sample ID :	M3713-01LX5	Instrumnet Name :	P8
Client Sample ID :	JCF03L	Dilution Factor :	5
Date & Time Acquired ::	2021-09-14 18:25:46	DataFile Name :	036AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Krypton	83-1	747	517	653	639	18.11	cps
Lead	206-1	6018	5813	5868	5900	1.80	cps
Lead	207-1	5012	4640	4795	4816	3.88	cps
Lead	208-1	22908	22630	22692	22743	0.64	cps
Lithium	6-1	11242499	11402336	11304405	11316414	0.71	cps
Magnesium	24-2	225772	227017	227357	226715	0.37	cps
Manganese	55-2	435734	437757	434949	436147	0.33	cps
Molybdenum	94-1	3426	3309	3517	3417	3.06	cps
Molybdenum	95-1	350	275	408	344	19.41	cps
Molybdenum	96-1	975	1008	883	956	6.77	cps
Molybdenum	97-1	142	217	208	189	21.76	cps
Molybdenum	98-1	442	408	550	467	15.87	cps
Neodymium	150-1	7336	6775	7282	7131	4.34	cps
Neodymium	150-2	1763	2034	1930	1909	7.14	cps
Nickel	60-2	6208	6041	6085	6111	1.42	cps
Phosphorus	31-2	575	567	600	581	2.99	cps
Potassium	39-2	21341	20340	20674	20785	2.45	cps
Rhodium	103-1	18447549	19077990	18788939	18771493	1.68	cps
Rhodium	103-2	7740493	7672599	7884016	7765703	1.39	cps
Scandium	45-1	14964454	15306957	15170287	15147233	1.14	cps
Scandium	45-2	401922	402096	414331	406116	1.75	cps
Selenium	82-1	-125	123	-13	-5	-2529.45	cps
Selenium	77-2	13	7	10	10	33.30	cps
Selenium	78-2	22	31	32	28	19.44	cps
Silicon	28-1	2938452	2917482	2870897	2908944	1.19	cps
Silver	107-1	1133	1317	1100	1183	9.86	cps
Silver	109-1	983	967	967	972	0.99	cps
Sodium	23-2	51642	50588	51834	51355	1.31	cps
Strontium	86-1	54925	56498	56983	56136	1.92	cps
Strontium	88-1	485236	477547	477395	480059	0.93	cps
Sulfur	34-1	474381	471881	469699	471987	0.50	cps
Terbium	159-1	24089835	24451123	24336527	24292495	0.76	cps
Terbium	159-2	8772687	8800917	9027728	8867111	1.58	cps
Thallium	203-1	950	858	750	853	11.74	cps
Thallium	205-1	2092	1984	1959	2011	3.52	cps
Tin	118-1	2950	2934	2909	2931	0.72	cps

LB Number :	LB116309	Operator :	Jaswal
Lab Sample ID :	M3713-01LX5	Instrumnet Name :	P8
Client Sample ID :	JCF03L	Dilution Factor :	5
Date & Time Acquired ::	2021-09-14 18:25:46	DataFile Name :	036AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Titanium	47-1	69042	68054	67971	68356	0.87	cps
Uranium	238-1	1067	1125	1267	1153	8.92	cps
Vanadium	51-2	45251	45221	44539	45004	0.89	cps
Ytterbium	172-1	1625	1350	1600	1525	9.97	cps
Ytterbium	172-2	811	617	689	706	13.93	cps
Ytterbium	176-1	3334	3576	3259	3389	4.88	cps
Ytterbium	176-2	1489	1767	1728	1661	9.06	cps
Yttrium	89-1	33029192	32918802	33245668	33064554	0.50	cps
Yttrium	89-2	2942994	2956944	3104380	3001439	2.98	cps
Zinc	66-2	10024	9900	10160	10028	1.30	cps
Zirconium	90-1	9412	9654	9779	9615	1.94	cps
Zirconium	91-1	2375	2067	1975	2139	9.80	cps

LB Number :	LB116309	Operator :	Jaswal
Lab Sample ID :	M3713-03	Instrumnet Name :	P8
Client Sample ID :	JCF03S	Dilution Factor :	1
Date & Time Acquired ::	2021-09-14 18:28:48	DataFile Name :	037AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	1972684	1901405	1912716	1928935	1.99	cps
Antimony	121-1	133154	136630	135536	135107	1.32	cps
Arsenic	75-2	5559	5417	5350	5442	1.96	cps
Barium	135-1	1238597	1235113	1236526	1236745	0.14	cps
Barium	137-1	2199927	2129275	2185420	2171541	1.72	cps
Beryllium	9-1	38176	38308	38061	38182	0.32	cps
Bismuth	209-1	14558781	15343066	15097039	14999629	2.67	cps
Bismuth	209-2	6434940	6580154	6422325	6479140	1.35	cps
Boron	10-1	6992	7152	6962	7036	1.45	cps
Boron	11-1	30429	31934	32578	31647	3.48	cps
Bromine	81-1	13370	14342	14262	13991	3.86	cps
Cadmium	111-1	25443	24986	24400	24943	2.10	cps
Cadmium	106-1	11497	11822	12256	11858	3.21	cps
Cadmium	108-1	1717	1954	1975	1882	7.63	cps
Calcium	43-1	325355	323602	323955	324304	0.29	cps
Calcium	44-1	5318370	5277797	5312715	5302960	0.41	cps
Carbon	12-1	12800044	12946307	13164061	12970137	1.41	cps
Carbon	12-2	124214	126021	121837	124024	1.69	cps
Chlorine	35-1	91705483	106444361	116168523	104772789	11.76	cps
Chlorine	35-2	827069	837400	828223	830897	0.68	cps
Chromium	52-2	188615	186159	182719	185831	1.59	cps
Cobalt	59-2	610852	591994	592212	598353	1.81	cps
Copper	63-2	522250	515533	511452	516412	1.06	cps
Dysprosium	156-1	24047	24723	24915	24562	1.86	cps
Dysprosium	156-2	9527	9013	9360	9300	2.82	cps
Erbium	164-1	23696	24381	24131	24069	1.44	cps
Erbium	164-2	8776	8756	8853	8795	0.58	cps
Gadolinium	160-1	25057	24857	25325	25080	0.93	cps
Gadolinium	160-2	11538	11168	11191	11299	1.84	cps
Holmium	165-1	23537579	25040423	24339159	24305720	3.09	cps
Holmium	165-2	9141895	9116995	9398632	9219174	1.69	cps
Indium	115-1	20462193	20679952	20544788	20562311	0.53	cps
Indium	115-2	2534780	2521989	2511480	2522750	0.46	cps
Iron	54-2	5421716	5468859	5422548	5437708	0.50	cps
Iron	56-2	99261869	99019908	95910594	98064123	1.91	cps
Iron	57-2	2607098	2476618	2467954	2517224	3.10	cps

LB Number :	LB116309	Operator :	Jaswal
Lab Sample ID :	M3713-03	Instrumnet Name :	P8
Client Sample ID :	JCF03S	Dilution Factor :	1
Date & Time Acquired ::	2021-09-14 18:28:48	DataFile Name :	037AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Krypton	83-1	620	573	663	619	7.27	cps
Lead	206-1	49740	50498	49416	49885	1.11	cps
Lead	207-1	43345	43808	43607	43586	0.53	cps
Lead	208-1	197559	198192	199413	198388	0.48	cps
Lithium	6-1	11649330	11770308	12132248	11850629	2.12	cps
Magnesium	24-2	1299009	1309999	1328415	1312475	1.13	cps
Manganese	55-2	1389172	1417015	1372448	1392878	1.62	cps
Molybdenum	94-1	16210	16285	16752	16416	1.79	cps
Molybdenum	95-1	1283	1292	1408	1328	5.26	cps
Molybdenum	96-1	4868	4651	4643	4720	2.70	cps
Molybdenum	97-1	733	792	858	794	7.87	cps
Molybdenum	98-1	1909	2142	2117	2056	6.23	cps
Neodymium	150-1	36229	35888	36056	36058	0.47	cps
Neodymium	150-2	10097	10021	9437	9851	3.67	cps
Nickel	60-2	156448	158641	153596	156228	1.62	cps
Phosphorus	31-2	2575	2400	2267	2414	6.41	cps
Potassium	39-2	52121	53064	52454	52546	0.91	cps
Rhodium	103-1	18503021	19702321	19298492	19167945	3.18	cps
Rhodium	103-2	7986162	7829197	7745586	7853649	1.56	cps
Scandium	45-1	15420470	15941368	15829189	15730342	1.74	cps
Scandium	45-2	411943	416167	412121	413410	0.58	cps
Selenium	82-1	3421	3434	3361	3405	1.14	cps
Selenium	77-2	187	103	153	148	28.38	cps
Selenium	78-2	374	318	320	337	9.42	cps
Silicon	28-1	16365997	15939874	17336087	16547319	4.32	cps
Silver	107-1	79790	79606	80670	80022	0.71	cps
Silver	109-1	75801	75658	76379	75946	0.50	cps
Sodium	23-2	164774	164883	163848	164501	0.35	cps
Strontium	86-1	262118	260615	261168	261300	0.29	cps
Strontium	88-1	2376882	2288447	2318637	2327989	1.93	cps
Sulfur	34-1	471503	484774	482279	479519	1.47	cps
Terbium	159-1	24447624	25331383	25705093	25161367	2.57	cps
Terbium	159-2	8929150	9027163	8950318	8968877	0.58	cps
Thallium	203-1	83569	85724	85390	84894	1.37	cps
Thallium	205-1	203168	204177	206002	204449	0.70	cps
Tin	118-1	12081	11297	12089	11822	3.85	cps

LB Number :	LB116309	Operator :	Jaswal
Lab Sample ID :	M3713-03	Instrumnet Name :	P8
Client Sample ID :	JCF03S	Dilution Factor :	1
Date & Time Acquired ::	2021-09-14 18:28:48	DataFile Name :	037AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Titanium	47-1	421585	420563	414693	418947	0.89	cps
Uranium	238-1	5185	5460	5860	5501	6.17	cps
Vanadium	51-2	429216	424157	416761	423378	1.48	cps
Ytterbium	172-1	7402	7678	7144	7408	3.60	cps
Ytterbium	172-2	3200	3067	3228	3165	2.72	cps
Ytterbium	176-1	6852	7402	7027	7094	3.96	cps
Ytterbium	176-2	3345	3350	3362	3352	0.25	cps
Yttrium	89-1	33710659	34624339	34633811	34322936	1.54	cps
Yttrium	89-2	3098221	3066943	2987074	3050746	1.88	cps
Zinc	66-2	101064	98476	100154	99898	1.31	cps
Zirconium	90-1	44422	43720	43744	43962	0.91	cps
Zirconium	91-1	9554	9770	9820	9715	1.46	cps

LB Number :	LB116309	Operator :	Jaswal
Lab Sample ID :	M3713-04	Instrumnet Name :	P8
Client Sample ID :	JCF04	Dilution Factor :	1
Date & Time Acquired ::	2021-09-14 18:31:41	DataFile Name :	038AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	2230903	2252704	2195331	2226313	1.30	cps
Antimony	121-1	13582	13032	12856	13157	2.88	cps
Arsenic	75-2	9871	9696	9875	9814	1.04	cps
Barium	135-1	449616	443396	447985	446999	0.72	cps
Barium	137-1	783405	776994	779643	780014	0.41	cps
Beryllium	9-1	3648	3694	3734	3692	1.17	cps
Bismuth	209-1	13881110	14710857	14470478	14354148	2.97	cps
Bismuth	209-2	6253024	6506650	6173902	6311192	2.75	cps
Boron	10-1	6656	6736	6734	6709	0.68	cps
Boron	11-1	30554	31535	31075	31055	1.58	cps
Bromine	81-1	10124	11076	10455	10552	4.58	cps
Cadmium	111-1	222	166	184	191	15.02	cps
Cadmium	106-1	9654	10154	9612	9807	3.08	cps
Cadmium	108-1	258	188	200	215	17.56	cps
Calcium	43-1	334235	332567	332438	333080	0.30	cps
Calcium	44-1	5500501	5480335	5505803	5495546	0.24	cps
Carbon	12-1	6975380	7117583	6936010	7009658	1.36	cps
Carbon	12-2	67489	66375	67020	66961	0.83	cps
Chlorine	35-1	108022194	118814144	122836815	116557718	6.57	cps
Chlorine	35-2	842745	859224	866260	856076	1.41	cps
Chromium	52-2	98520	98973	97120	98204	0.98	cps
Cobalt	59-2	142269	139987	139248	140501	1.12	cps
Copper	63-2	375064	369603	373796	372821	0.77	cps
Dysprosium	156-1	38874	39200	39852	39309	1.27	cps
Dysprosium	156-2	14605	14351	14058	14338	1.91	cps
Erbium	164-1	35490	35030	36350	35624	1.88	cps
Erbium	164-2	13560	13243	13117	13307	1.72	cps
Gadolinium	160-1	39534	39275	38782	39197	0.98	cps
Gadolinium	160-2	17952	17151	16994	17366	2.96	cps
Holmium	165-1	23479083	23728243	23983968	23730431	1.06	cps
Holmium	165-2	9161678	9254479	9073827	9163328	0.99	cps
Indium	115-1	19429643	20494126	20481996	20135255	3.04	cps
Indium	115-2	2474714	2479091	2420741	2458182	1.32	cps
Iron	54-2	8099182	7906659	8136784	8047542	1.53	cps
Iron	56-2	149957942	148178053	146793914	148309970	1.07	cps
Iron	57-2	3804412	3799714	3714147	3772758	1.35	cps

LB Number :	LB116309	Operator :	Jaswal
Lab Sample ID :	M3713-04	Instrumnet Name :	P8
Client Sample ID :	JCF04	Dilution Factor :	1
Date & Time Acquired ::	2021-09-14 18:31:41	DataFile Name :	038AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Krypton	83-1	707	687	673	689	2.44	cps
Lead	206-1	39371	39326	38981	39226	0.54	cps
Lead	207-1	33076	33115	32675	32955	0.74	cps
Lead	208-1	151755	152343	153267	152455	0.50	cps
Lithium	6-1	11576270	11823505	11460061	11619945	1.60	cps
Magnesium	24-2	1989662	1972002	1948267	1969977	1.05	cps
Manganese	55-2	1314393	1314149	1343229	1323924	1.26	cps
Molybdenum	94-1	38889	38303	37669	38287	1.59	cps
Molybdenum	95-1	2067	2342	2275	2228	6.44	cps
Molybdenum	96-1	10046	9745	9612	9801	2.27	cps
Molybdenum	97-1	1433	1283	1450	1389	6.61	cps
Molybdenum	98-1	3634	3342	3601	3526	4.53	cps
Neodymium	150-1	60757	59404	60328	60163	1.15	cps
Neodymium	150-2	16303	16136	16100	16180	0.67	cps
Nickel	60-2	34151	34572	33794	34172	1.14	cps
Phosphorus	31-2	3801	4092	4209	4034	5.22	cps
Potassium	39-2	96061	96061	97227	96450	0.70	cps
Rhodium	103-1	18636062	19167814	18133561	18645812	2.77	cps
Rhodium	103-2	7715411	7738253	7498044	7650569	1.73	cps
Scandium	45-1	15137629	15682709	15777499	15532612	2.22	cps
Scandium	45-2	415753	430307	406870	417644	2.83	cps
Selenium	82-1	10	85	73	56	71.89	cps
Selenium	77-2	77	107	87	90	16.97	cps
Selenium	78-2	75	89	69	78	13.21	cps
Silicon	28-1	13506413	13424049	13414782	13448415	0.38	cps
Silver	107-1	2284	2517	2459	2420	5.02	cps
Silver	109-1	2009	2125	2334	2156	7.64	cps
Sodium	23-2	185750	186997	185385	186044	0.45	cps
Strontium	86-1	380061	381211	382394	381222	0.31	cps
Strontium	88-1	3331826	3327126	3331958	3330303	0.08	cps
Sulfur	34-1	480844	479079	481360	480427	0.25	cps
Terbium	159-1	24428005	24539918	23925264	24297729	1.35	cps
Terbium	159-2	8748726	8918310	8640147	8769061	1.60	cps
Thallium	203-1	1133	1050	1425	1203	16.37	cps
Thallium	205-1	2867	3276	3276	3139	7.51	cps
Tin	118-1	11105	11430	12064	11533	4.23	cps

LB Number :	LB116309	Operator :	Jaswal
Lab Sample ID :	M3713-04	Instrumnet Name :	P8
Client Sample ID :	JCF04	Dilution Factor :	1
Date & Time Acquired ::	2021-09-14 18:31:41	DataFile Name :	038AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Titanium	47-1	1180905	1171549	1179113	1177189	0.42	cps
Uranium	238-1	8428	8928	8895	8750	3.20	cps
Vanadium	51-2	328938	325747	326228	326971	0.53	cps
Ytterbium	172-1	10163	10313	10112	10196	1.02	cps
Ytterbium	172-2	4534	4634	4584	4584	1.09	cps
Ytterbium	176-1	8761	9629	8003	8798	9.25	cps
Ytterbium	176-2	4445	4017	4151	4204	5.21	cps
Yttrium	89-1	33373543	34234759	33584920	33731074	1.33	cps
Yttrium	89-2	2968879	3004835	2885381	2953032	2.08	cps
Zinc	66-2	60488	60639	59709	60279	0.83	cps
Zirconium	90-1	105894	103921	101116	103643	2.32	cps
Zirconium	91-1	22744	23145	22168	22686	2.16	cps

LB Number :	LB116309	Operator :	Jaswal
Lab Sample ID :	M3713-05	Instrumnet Name :	P8
Client Sample ID :	JCF05	Dilution Factor :	1
Date & Time Acquired ::	2021-09-14 18:34:38	DataFile Name :	039AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	2087780	2027623	1943500	2019634	3.59	cps
Antimony	121-1	7469	8153	7477	7700	5.10	cps
Arsenic	75-2	9760	9580	9604	9648	1.01	cps
Barium	135-1	446951	436914	439935	441267	1.17	cps
Barium	137-1	772353	766016	770635	769668	0.43	cps
Beryllium	9-1	4306	4290	4008	4201	3.99	cps
Bismuth	209-1	14707202	14411942	15262328	14793824	2.92	cps
Bismuth	209-2	6459264	6446471	6673212	6526316	1.95	cps
Boron	10-1	6656	6672	6740	6690	0.67	cps
Boron	11-1	30097	30810	30423	30443	1.17	cps
Bromine	81-1	12048	12008	11927	11994	0.51	cps
Cadmium	111-1	243	226	236	235	3.58	cps
Cadmium	106-1	9729	10187	10104	10007	2.44	cps
Cadmium	108-1	142	108	129	126	13.32	cps
Calcium	43-1	342642	342111	340664	341806	0.30	cps
Calcium	44-1	5638647	5638929	5415140	5564238	2.32	cps
Carbon	12-1	9337192	9549098	9480884	9455725	1.14	cps
Carbon	12-2	90051	91182	90403	90545	0.64	cps
Chlorine	35-1	106077361	116422582	122748665	115082869	7.31	cps
Chlorine	35-2	823705	817844	828244	823264	0.63	cps
Chromium	52-2	89605	88559	89065	89076	0.59	cps
Cobalt	59-2	137991	137210	135178	136793	1.06	cps
Copper	63-2	370111	359400	365855	365122	1.48	cps
Dysprosium	156-1	46339	47970	46724	47011	1.81	cps
Dysprosium	156-2	17004	16897	17114	17005	0.64	cps
Erbium	164-1	43589	43104	43062	43251	0.68	cps
Erbium	164-2	16447	15940	15623	16003	2.60	cps
Gadolinium	160-1	46716	47226	46482	46808	0.81	cps
Gadolinium	160-2	20783	20386	20493	20554	1.00	cps
Holmium	165-1	24450797	24444177	24615106	24503360	0.40	cps
Holmium	165-2	9290351	9325299	9370906	9328852	0.43	cps
Indium	115-1	20014795	20910635	21407507	20777645	3.40	cps
Indium	115-2	2556709	2552243	2543057	2550670	0.27	cps
Iron	54-2	8253080	8063805	8313860	8210248	1.59	cps
Iron	56-2	150185920	150168603	149440048	149931524	0.28	cps
Iron	57-2	3748673	3786938	3748559	3761390	0.59	cps

LB Number :	LB116309	Operator :	Jaswal
Lab Sample ID :	M3713-05	Instrumnet Name :	P8
Client Sample ID :	JCF05	Dilution Factor :	1
Date & Time Acquired ::	2021-09-14 18:34:38	DataFile Name :	039AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Krypton	83-1	640	743	710	698	7.56	cps
Lead	206-1	41032	40736	41678	41149	1.17	cps
Lead	207-1	34396	33193	34156	33915	1.88	cps
Lead	208-1	159753	158421	160974	159716	0.80	cps
Lithium	6-1	11687034	11919192	12454608	12020278	3.27	cps
Magnesium	24-2	1613887	1589915	1543416	1582406	2.26	cps
Manganese	55-2	1361468	1394849	1321091	1359136	2.72	cps
Molybdenum	94-1	21375	20825	21818	21339	2.33	cps
Molybdenum	95-1	2409	2292	2459	2386	3.58	cps
Molybdenum	96-1	6802	7060	6468	6777	4.38	cps
Molybdenum	97-1	1367	1375	1617	1453	9.77	cps
Molybdenum	98-1	3701	3792	3576	3689	2.95	cps
Neodymium	150-1	67777	68085	68970	68277	0.91	cps
Neodymium	150-2	19030	18583	19094	18902	1.47	cps
Nickel	60-2	30780	31198	30656	30878	0.92	cps
Phosphorus	31-2	3926	4209	4101	4078	3.51	cps
Potassium	39-2	84899	83181	81379	83153	2.12	cps
Rhodium	103-1	18858001	19174437	19824921	19285787	2.56	cps
Rhodium	103-2	8056751	8091512	8007551	8051938	0.52	cps
Scandium	45-1	15436329	15907292	16137630	15827084	2.26	cps
Scandium	45-2	421683	428607	428040	426110	0.90	cps
Selenium	82-1	166	11	114	97	81.61	cps
Selenium	77-2	110	117	80	102	19.11	cps
Selenium	78-2	80	107	97	95	14.42	cps
Silicon	28-1	11363606	11297060	11139670	11266779	1.02	cps
Silver	107-1	1775	2225	1917	1972	11.67	cps
Silver	109-1	1492	1800	1792	1695	10.37	cps
Sodium	23-2	185448	182112	179319	182293	1.68	cps
Strontium	86-1	386161	386905	390161	387742	0.55	cps
Strontium	88-1	3460297	3380276	3411666	3417413	1.18	cps
Sulfur	34-1	484997	484112	480353	483154	0.51	cps
Terbium	159-1	24158212	25743751	25553560	25151841	3.44	cps
Terbium	159-2	9034498	9094007	9198936	9109147	0.91	cps
Thallium	203-1	1150	958	1083	1064	9.15	cps
Thallium	205-1	2284	2617	2550	2484	7.10	cps
Tin	118-1	10746	11363	11255	11122	2.96	cps

LB Number :	LB116309	Operator :	Jaswal
Lab Sample ID :	M3713-05	Instrumnet Name :	P8
Client Sample ID :	JCF05	Dilution Factor :	1
Date & Time Acquired ::	2021-09-14 18:34:38	DataFile Name :	039AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Titanium	47-1	808083	803503	790316	800634	1.15	cps
Uranium	238-1	9846	10004	10188	10013	1.71	cps
Vanadium	51-2	321553	317750	315410	318238	0.97	cps
Ytterbium	172-1	12740	12364	12923	12676	2.25	cps
Ytterbium	172-2	5168	5646	5440	5418	4.43	cps
Ytterbium	176-1	10446	10788	10855	10696	2.05	cps
Ytterbium	176-2	4412	4884	4984	4760	6.42	cps
Yttrium	89-1	34523226	34629028	36102879	35085044	2.52	cps
Yttrium	89-2	3058203	3068075	3096657	3074312	0.65	cps
Zinc	66-2	63853	62470	62307	62877	1.35	cps
Zirconium	90-1	55385	56138	55285	55603	0.84	cps
Zirconium	91-1	12114	12741	12239	12365	2.68	cps

LB Number :	LB116309	Operator :	Jaswal
Lab Sample ID :	M3713-06	Instrumnet Name :	P8
Client Sample ID :	JCF06	Dilution Factor :	1
Date & Time Acquired ::	2021-09-14 18:37:33	DataFile Name :	040AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	1561617	1587064	1524997	1557893	2.00	cps
Antimony	121-1	2050	2534	2359	2314	10.58	cps
Arsenic	75-2	1326	1289	1293	1303	1.56	cps
Barium	135-1	303091	301407	306125	303541	0.79	cps
Barium	137-1	529551	538273	530413	532745	0.90	cps
Beryllium	9-1	2462	2600	2554	2538	2.77	cps
Bismuth	209-1	15304954	14685449	14335639	14775347	3.32	cps
Bismuth	209-2	6695958	6777958	6362777	6612231	3.33	cps
Boron	10-1	4966	5204	5062	5077	2.36	cps
Boron	11-1	22885	23320	22957	23054	1.01	cps
Bromine	81-1	11607	11386	11887	11627	2.16	cps
Cadmium	111-1	186	157	155	166	10.53	cps
Cadmium	106-1	9420	8937	9128	9162	2.66	cps
Cadmium	108-1	121	188	217	175	28.07	cps
Calcium	43-1	239696	243462	244238	242465	1.00	cps
Calcium	44-1	3967243	3995857	4059683	4007594	1.18	cps
Carbon	12-1	11903459	12055228	11819172	11925953	1.00	cps
Carbon	12-2	114896	112984	114091	113991	0.84	cps
Chlorine	35-1	115372698	123396528	128138778	122302668	5.28	cps
Chlorine	35-2	822121	830665	849686	834157	1.69	cps
Chromium	52-2	68031	67884	67080	67665	0.76	cps
Cobalt	59-2	72477	72339	74453	73090	1.62	cps
Copper	63-2	245102	246982	247216	246433	0.47	cps
Dysprosium	156-1	28498	28673	28356	28509	0.56	cps
Dysprosium	156-2	10164	10181	10524	10290	1.98	cps
Erbium	164-1	25625	26318	26368	26104	1.59	cps
Erbium	164-2	9600	9433	9540	9525	0.89	cps
Gadolinium	160-1	27537	28439	27680	27885	1.74	cps
Gadolinium	160-2	12443	12146	12266	12285	1.22	cps
Holmium	165-1	24718063	24598990	23403838	24240297	3.00	cps
Holmium	165-2	9564876	9755171	9181535	9500527	3.08	cps
Indium	115-1	21190815	20685662	20029932	20635470	2.82	cps
Indium	115-2	2623023	2579535	2472186	2558248	3.03	cps
Iron	54-2	4822599	4691977	4778338	4764305	1.39	cps
Iron	56-2	83381696	84405380	83901794	83896290	0.61	cps
Iron	57-2	2199080	2183589	2192979	2191883	0.36	cps

LB Number :	LB116309	Operator :	Jaswal
Lab Sample ID :	M3713-06	Instrumnet Name :	P8
Client Sample ID :	JCF06	Dilution Factor :	1
Date & Time Acquired ::	2021-09-14 18:37:33	DataFile Name :	040AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Krypton	83-1	673	673	620	656	4.70	cps
Lead	206-1	27123	28498	27780	27801	2.47	cps
Lead	207-1	23444	23182	23049	23225	0.87	cps
Lead	208-1	106002	107785	108256	107348	1.11	cps
Lithium	6-1	12510026	12007819	11842241	12120029	2.87	cps
Magnesium	24-2	1214109	1241199	1201443	1218917	1.67	cps
Manganese	55-2	553109	558303	555430	555614	0.47	cps
Molybdenum	94-1	36040	35313	34853	35402	1.69	cps
Molybdenum	95-1	1433	1392	1150	1325	11.55	cps
Molybdenum	96-1	7569	8178	7360	7702	5.51	cps
Molybdenum	97-1	783	758	908	817	9.84	cps
Molybdenum	98-1	2159	2109	1950	2072	5.25	cps
Neodymium	150-1	42829	44695	43029	43518	2.35	cps
Neodymium	150-2	12056	12219	11825	12033	1.64	cps
Nickel	60-2	21997	21927	22071	21998	0.33	cps
Phosphorus	31-2	2217	2100	2250	2189	3.60	cps
Potassium	39-2	76939	79510	80935	79128	2.56	cps
Rhodium	103-1	19452089	19145050	18776171	19124437	1.77	cps
Rhodium	103-2	8251838	8112813	7655447	8006699	3.90	cps
Scandium	45-1	15786594	15819715	15477858	15694722	1.20	cps
Scandium	45-2	434955	428824	412789	425523	2.69	cps
Selenium	82-1	39	69	102	70	44.64	cps
Selenium	77-2	73	63	63	67	8.66	cps
Selenium	78-2	51	69	73	64	18.21	cps
Silicon	28-1	14415070	14281208	14523179	14406486	0.84	cps
Silver	107-1	1759	1875	1567	1734	8.98	cps
Silver	109-1	1500	1458	1692	1550	8.03	cps
Sodium	23-2	143139	140330	138523	140664	1.65	cps
Strontium	86-1	334748	349087	334480	339438	2.46	cps
Strontium	88-1	2988799	3077580	3050331	3038903	1.50	cps
Sulfur	34-1	462717	465933	467987	465546	0.57	cps
Terbium	159-1	25340594	24931725	24354513	24875610	1.99	cps
Terbium	159-2	9346202	8831009	8902689	9026633	3.09	cps
Thallium	203-1	650	658	967	758	23.80	cps
Thallium	205-1	1900	1942	2042	1961	3.71	cps
Tin	118-1	10379	10271	10154	10268	1.10	cps

LB Number :	LB116309	Operator :	Jaswal
Lab Sample ID :	M3713-06	Instrumnet Name :	P8
Client Sample ID :	JCF06	Dilution Factor :	1
Date & Time Acquired ::	2021-09-14 18:37:33	DataFile Name :	040AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Titanium	47-1	1461973	1444351	1440449	1448924	0.79	cps
Uranium	238-1	7352	7627	7686	7555	2.36	cps
Vanadium	51-2	226121	222760	226545	225142	0.92	cps
Ytterbium	172-1	7044	7219	6994	7085	1.67	cps
Ytterbium	172-2	3045	3156	3362	3187	5.04	cps
Ytterbium	176-1	7269	7627	7194	7363	3.15	cps
Ytterbium	176-2	3289	3312	3301	3300	0.34	cps
Yttrium	89-1	34773779	34381944	33762468	34306064	1.49	cps
Yttrium	89-2	3144931	3093727	3044787	3094481	1.62	cps
Zinc	66-2	45048	43828	44205	44360	1.41	cps
Zirconium	90-1	92080	96383	95300	94588	2.37	cps
Zirconium	91-1	20733	21075	20808	20872	0.86	cps

LB Number :	LB116309	Operator :	Jaswal
Lab Sample ID :	M3713-07	Instrumnet Name :	P8
Client Sample ID :	JCF08	Dilution Factor :	1
Date & Time Acquired ::	2021-09-14 18:40:29	DataFile Name :	041AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	2543577	2536798	2539340	2539905	0.13	cps
Antimony	121-1	6202	5643	5401	5749	7.14	cps
Arsenic	75-2	5330	5512	5417	5419	1.68	cps
Barium	135-1	545478	553212	549658	549450	0.70	cps
Barium	137-1	946838	946044	974712	955864	1.71	cps
Beryllium	9-1	3908	3914	3974	3932	0.93	cps
Bismuth	209-1	15068426	14229649	14567614	14621896	2.89	cps
Bismuth	209-2	6555416	6370208	6321600	6415741	1.92	cps
Boron	10-1	4814	4940	4862	4872	1.31	cps
Boron	11-1	22767	22609	22381	22586	0.86	cps
Bromine	81-1	10284	10335	10234	10284	0.49	cps
Cadmium	111-1	199	197	261	219	16.75	cps
Cadmium	106-1	9695	9779	9162	9545	3.51	cps
Cadmium	108-1	171	217	138	175	22.71	cps
Calcium	43-1	379203	379946	381026	380058	0.24	cps
Calcium	44-1	6318307	6303683	6162011	6261334	1.38	cps
Carbon	12-1	7034483	7134267	7082207	7083653	0.70	cps
Carbon	12-2	67095	67523	67079	67232	0.37	cps
Chlorine	35-1	103444377	112723453	117015165	111060998	6.25	cps
Chlorine	35-2	772605	784512	804503	787207	2.05	cps
Chromium	52-2	81963	82868	82694	82508	0.58	cps
Cobalt	59-2	150500	150691	152296	151162	0.65	cps
Copper	63-2	393211	389408	387137	389919	0.79	cps
Dysprosium	156-1	38164	38130	39125	38473	1.47	cps
Dysprosium	156-2	13680	13083	13647	13470	2.49	cps
Erbium	164-1	33117	34186	34378	33894	2.01	cps
Erbium	164-2	12342	12312	12276	12310	0.27	cps
Gadolinium	160-1	37461	36793	38230	37495	1.92	cps
Gadolinium	160-2	16020	15860	16303	16061	1.40	cps
Holmium	165-1	23994748	24897566	23833478	24241931	2.37	cps
Holmium	165-2	9314032	9309321	9256234	9293196	0.35	cps
Indium	115-1	20272735	20318794	19978452	20189994	0.91	cps
Indium	115-2	2566409	2520666	2522252	2536442	1.02	cps
Iron	54-2	8075779	8230093	8023562	8109811	1.32	cps
Iron	56-2	145967703	145736559	144945198	145549820	0.37	cps
Iron	57-2	3719967	3725103	3729330	3724800	0.13	cps

LB Number :	LB116309	Operator :	Jaswal
Lab Sample ID :	M3713-07	Instrumnet Name :	P8
Client Sample ID :	JCF08	Dilution Factor :	1
Date & Time Acquired ::	2021-09-14 18:40:29	DataFile Name :	041AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Krypton	83-1	593	617	650	620	4.59	cps
Lead	206-1	35989	36011	35945	35982	0.09	cps
Lead	207-1	29462	30553	29924	29979	1.83	cps
Lead	208-1	138232	141542	141489	140421	1.35	cps
Lithium	6-1	11834844	11906860	11284855	11675520	2.91	cps
Magnesium	24-2	2133625	2117572	2154272	2135157	0.86	cps
Manganese	55-2	1651026	1636282	1624929	1637412	0.80	cps
Molybdenum	94-1	29832	29975	29766	29858	0.36	cps
Molybdenum	95-1	2250	1975	1892	2039	9.20	cps
Molybdenum	96-1	8178	8278	8278	8244	0.70	cps
Molybdenum	97-1	1417	1150	1225	1264	10.88	cps
Molybdenum	98-1	3267	3217	2992	3159	4.64	cps
Neodymium	150-1	58521	58199	58386	58369	0.28	cps
Neodymium	150-2	15402	15299	15499	15400	0.65	cps
Nickel	60-2	34321	34753	35244	34773	1.33	cps
Phosphorus	31-2	4076	4034	4209	4106	2.23	cps
Potassium	39-2	108708	107373	107490	107857	0.69	cps
Rhodium	103-1	19077682	18846414	18836436	18920177	0.72	cps
Rhodium	103-2	7943543	7793614	7917534	7884897	1.02	cps
Scandium	45-1	16137096	15901285	15464385	15834255	2.16	cps
Scandium	45-2	430435	425782	416901	424373	1.62	cps
Selenium	82-1	133	166	153	151	10.91	cps
Selenium	77-2	83	107	110	100	14.53	cps
Selenium	78-2	80	70	54	68	19.28	cps
Silicon	28-1	16259576	15961284	15886169	16035676	1.23	cps
Silver	107-1	1575	1575	1508	1553	2.48	cps
Silver	109-1	1092	1475	1383	1317	15.20	cps
Sodium	23-2	197643	194451	196419	196171	0.82	cps
Strontium	86-1	408016	398024	402618	402886	1.24	cps
Strontium	88-1	3606681	3571067	3465572	3547774	2.07	cps
Sulfur	34-1	463996	453153	447732	454960	1.82	cps
Terbium	159-1	24682857	24534170	24490816	24569281	0.41	cps
Terbium	159-2	9018914	8960702	8935245	8971620	0.48	cps
Thallium	203-1	967	1025	1025	1006	3.35	cps
Thallium	205-1	2425	2542	2417	2461	2.84	cps
Tin	118-1	10938	11347	11805	11363	3.82	cps

LB Number :	LB116309	Operator :	Jaswal
Lab Sample ID :	M3713-07	Instrumnet Name :	P8
Client Sample ID :	JCF08	Dilution Factor :	1
Date & Time Acquired ::	2021-09-14 18:40:29	DataFile Name :	041AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Titanium	47-1	1144580	1124738	1123441	1130920	1.05	cps
Uranium	238-1	9370	9629	9262	9420	2.00	cps
Vanadium	51-2	301085	294698	295992	297258	1.14	cps
Ytterbium	172-1	9128	9829	9679	9545	3.86	cps
Ytterbium	172-2	4306	4151	3801	4086	6.34	cps
Ytterbium	176-1	9112	8812	8061	8661	6.25	cps
Ytterbium	176-2	3773	3756	4162	3897	5.89	cps
Yttrium	89-1	33996164	34558455	32958900	33837839	2.40	cps
Yttrium	89-2	3024445	3102566	3068341	3065117	1.28	cps
Zinc	66-2	60150	59923	59605	59893	0.46	cps
Zirconium	90-1	79904	82653	80030	80863	1.92	cps
Zirconium	91-1	17829	18329	17687	17948	1.88	cps

LB Number :	LB116309	Operator :	Jaswal
Lab Sample ID :	M3713-08	Instrumnet Name :	P8
Client Sample ID :	JCF11	Dilution Factor :	1
Date & Time Acquired ::	2021-09-14 18:43:23	DataFile Name :	042AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	2169590	2183428	2186051	2179690	0.41	cps
Antimony	121-1	11622	12631	12089	12114	4.17	cps
Arsenic	75-2	7890	7966	7926	7927	0.48	cps
Barium	135-1	459307	456960	459042	458436	0.28	cps
Barium	137-1	801124	791174	812069	801456	1.30	cps
Beryllium	9-1	3588	3556	3554	3566	0.53	cps
Bismuth	209-1	14751686	14809108	14346506	14635767	1.72	cps
Bismuth	209-2	6571914	6325128	6384617	6427220	2.00	cps
Boron	10-1	4658	4860	4868	4795	2.48	cps
Boron	11-1	22309	22244	23001	22518	1.86	cps
Bromine	81-1	11126	11026	11206	11119	0.81	cps
Cadmium	111-1	266	224	205	232	13.37	cps
Cadmium	106-1	9554	9353	9303	9403	1.41	cps
Cadmium	108-1	171	171	192	178	6.76	cps
Calcium	43-1	381980	385851	385902	384577	0.58	cps
Calcium	44-1	6237896	6329264	6333029	6300063	0.86	cps
Carbon	12-1	12309238	12637375	12732456	12559690	1.77	cps
Carbon	12-2	119694	120122	118433	119416	0.74	cps
Chlorine	35-1	110215090	119090344	126550603	118618679	6.89	cps
Chlorine	35-2	827222	836021	851914	838386	1.49	cps
Chromium	52-2	91514	90565	91309	91129	0.55	cps
Cobalt	59-2	133247	131647	133166	132687	0.68	cps
Copper	63-2	356695	356218	357910	356941	0.24	cps
Dysprosium	156-1	38481	36668	39710	38286	4.00	cps
Dysprosium	156-2	13781	13794	14298	13957	2.11	cps
Erbium	164-1	35632	34922	35548	35367	1.10	cps
Erbium	164-2	13177	13000	13083	13087	0.68	cps
Gadolinium	160-1	38406	38139	38774	38440	0.83	cps
Gadolinium	160-2	17034	16574	17245	16951	2.02	cps
Holmium	165-1	23519763	24147645	23272376	23646595	1.91	cps
Holmium	165-2	9373436	8921916	9165538	9153630	2.47	cps
Indium	115-1	19962498	20360129	19851284	20057970	1.33	cps
Indium	115-2	2512594	2427735	2417928	2452752	2.12	cps
Iron	54-2	7243895	7115754	7119196	7159615	1.02	cps
Iron	56-2	127668942	128597808	126839097	127701949	0.69	cps
Iron	57-2	3295466	3273766	3255836	3275023	0.61	cps

LB Number :	LB116309	Operator :	Jaswal
Lab Sample ID :	M3713-08	Instrumnet Name :	P8
Client Sample ID :	JCF11	Dilution Factor :	1
Date & Time Acquired ::	2021-09-14 18:43:23	DataFile Name :	042AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Krypton	83-1	610	703	550	621	12.44	cps
Lead	206-1	37950	37950	38558	38153	0.92	cps
Lead	207-1	31645	32162	32123	31977	0.90	cps
Lead	208-1	147786	151043	151051	149960	1.26	cps
Lithium	6-1	11492203	12168835	11704123	11788387	2.94	cps
Magnesium	24-2	1875645	1858839	1845648	1860044	0.81	cps
Manganese	55-2	1308355	1301491	1304619	1304822	0.26	cps
Molybdenum	94-1	30526	31587	30050	30721	2.56	cps
Molybdenum	95-1	1892	1892	1925	1903	1.01	cps
Molybdenum	96-1	7827	7669	7636	7711	1.33	cps
Molybdenum	97-1	1250	1258	1283	1264	1.37	cps
Molybdenum	98-1	2884	3175	3175	3078	5.47	cps
Neodymium	150-1	56017	59150	58601	57923	2.89	cps
Neodymium	150-2	15189	16060	15983	15744	3.06	cps
Nickel	60-2	32494	32467	32417	32459	0.12	cps
Phosphorus	31-2	3292	3334	3150	3259	2.95	cps
Potassium	39-2	84782	85454	84824	85020	0.44	cps
Rhodium	103-1	19006138	19177159	18492461	18891919	1.89	cps
Rhodium	103-2	7921980	7541539	7405192	7622903	3.51	cps
Scandium	45-1	15528973	15475528	14931992	15312164	2.16	cps
Scandium	45-2	424654	407085	412668	414802	2.16	cps
Selenium	82-1	137	21	231	130	81.45	cps
Selenium	77-2	87	77	77	80	7.22	cps
Selenium	78-2	79	78	84	80	4.00	cps
Silicon	28-1	13949763	13794650	14211216	13985210	1.51	cps
Silver	107-1	1417	1700	1642	1586	9.43	cps
Silver	109-1	1200	1542	1450	1397	12.66	cps
Sodium	23-2	172723	175321	170802	172949	1.31	cps
Strontium	86-1	430581	434330	445785	436899	1.81	cps
Strontium	88-1	3835684	3749467	3847796	3810982	1.41	cps
Sulfur	34-1	485663	482802	479994	482819	0.59	cps
Terbium	159-1	24422130	24339192	24478975	24413432	0.29	cps
Terbium	159-2	9257405	8656662	8914441	8942836	3.37	cps
Thallium	203-1	750	808	767	775	3.88	cps
Thallium	205-1	1742	1900	1658	1767	6.95	cps
Tin	118-1	10971	11831	11672	11491	3.98	cps

LB Number :	LB116309	Operator :	Jaswal
Lab Sample ID :	M3713-08	Instrumnet Name :	P8
Client Sample ID :	JCF11	Dilution Factor :	1
Date & Time Acquired ::	2021-09-14 18:43:23	DataFile Name :	042AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Titanium	47-1	760662	758171	777671	765501	1.39	cps
Uranium	238-1	8495	8236	8553	8428	2.00	cps
Vanadium	51-2	288230	285672	284056	285986	0.74	cps
Ytterbium	172-1	9629	9929	10029	9862	2.11	cps
Ytterbium	172-2	4201	4240	4584	4342	4.86	cps
Ytterbium	176-1	8570	8795	9012	8792	2.51	cps
Ytterbium	176-2	3945	4101	4251	4099	3.73	cps
Yttrium	89-1	33828666	33769835	32854527	33484343	1.63	cps
Yttrium	89-2	3100352	2985076	3027158	3037529	1.92	cps
Zinc	66-2	55488	54571	55752	55271	1.12	cps
Zirconium	90-1	79946	81947	82577	81490	1.69	cps
Zirconium	91-1	17803	18288	18070	18054	1.34	cps

LB Number :	LB116309	Operator :	Jaswal
Lab Sample ID :	M3713-09	Instrumnet Name :	P8
Client Sample ID :	JCF12	Dilution Factor :	1
Date & Time Acquired ::	2021-09-14 18:46:18	DataFile Name :	043AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	3033614	2980182	2986018	2999938	0.98	cps
Antimony	121-1	13240	13273	13515	13343	1.13	cps
Arsenic	75-2	13130	13003	13153	13096	0.62	cps
Barium	135-1	623425	648442	631009	634292	2.02	cps
Barium	137-1	1113626	1113458	1092932	1106672	1.08	cps
Beryllium	9-1	5008	5014	5138	5053	1.45	cps
Bismuth	209-1	14481755	14537047	15017649	14678817	2.01	cps
Bismuth	209-2	6659867	6524864	6368828	6517853	2.23	cps
Boron	10-1	4942	5042	5008	4997	1.02	cps
Boron	11-1	22138	22981	22909	22676	2.06	cps
Bromine	81-1	9924	9643	9894	9820	1.57	cps
Cadmium	111-1	234	140	268	214	30.78	cps
Cadmium	106-1	9128	8887	9112	9042	1.49	cps
Cadmium	108-1	242	204	233	226	8.70	cps
Calcium	43-1	465531	471452	472829	469937	0.83	cps
Calcium	44-1	7712163	7851522	7865173	7809620	1.08	cps
Carbon	12-1	6381691	6493692	6516078	6463821	1.11	cps
Carbon	12-2	62098	61446	60550	61365	1.27	cps
Chlorine	35-1	102467456	113612344	117246111	111108637	6.93	cps
Chlorine	35-2	764496	804380	858196	809024	5.81	cps
Chromium	52-2	106167	106865	108938	107323	1.34	cps
Cobalt	59-2	178890	178971	179519	179126	0.19	cps
Copper	63-2	475804	481116	474409	477110	0.74	cps
Dysprosium	156-1	53675	54378	53432	53828	0.91	cps
Dysprosium	156-2	19060	19438	19341	19280	1.02	cps
Erbium	164-1	51701	49275	48522	49833	3.33	cps
Erbium	164-2	17885	18456	18183	18175	1.57	cps
Gadolinium	160-1	53332	54646	52780	53586	1.79	cps
Gadolinium	160-2	23204	23738	24152	23698	2.01	cps
Holmium	165-1	23848979	23280605	24869981	23999855	3.36	cps
Holmium	165-2	9601413	9424399	9065053	9363622	2.92	cps
Indium	115-1	19540734	19401304	20367427	19769822	2.64	cps
Indium	115-2	2584381	2509904	2404906	2499730	3.61	cps
Iron	54-2	10937653	10915770	11110167	10987863	0.97	cps
Iron	56-2	199968110	194802460	200511160	198427243	1.59	cps
Iron	57-2	4966273	5007350	4981423	4985015	0.42	cps

LB Number :	LB116309	Operator :	Jaswal
Lab Sample ID :	M3713-09	Instrumnet Name :	P8
Client Sample ID :	JCF12	Dilution Factor :	1
Date & Time Acquired ::	2021-09-14 18:46:18	DataFile Name :	043AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Krypton	83-1	670	720	703	698	3.65	cps
Lead	206-1	49523	48435	49160	49039	1.13	cps
Lead	207-1	41483	40926	40993	41134	0.74	cps
Lead	208-1	192009	190536	190344	190963	0.48	cps
Lithium	6-1	11615320	11253097	11823911	11564109	2.50	cps
Magnesium	24-2	2655284	2582549	2598853	2612228	1.46	cps
Manganese	55-2	1724154	1700825	1728482	1717820	0.87	cps
Molybdenum	94-1	39206	38437	38471	38705	1.12	cps
Molybdenum	95-1	2950	2959	2992	2967	0.74	cps
Molybdenum	96-1	10296	10646	10429	10457	1.69	cps
Molybdenum	97-1	1600	1683	1500	1595	5.76	cps
Molybdenum	98-1	4601	4367	4292	4420	3.64	cps
Neodymium	150-1	83170	85182	81011	83121	2.51	cps
Neodymium	150-2	22499	22903	22215	22539	1.53	cps
Nickel	60-2	42153	43858	43767	43259	2.22	cps
Phosphorus	31-2	5326	5084	5460	5290	3.59	cps
Potassium	39-2	135887	133809	136080	135259	0.93	cps
Rhodium	103-1	18491554	17844391	18558767	18298237	2.16	cps
Rhodium	103-2	8072906	7777932	7644980	7831939	2.80	cps
Scandium	45-1	15578824	15462743	15469577	15503715	0.42	cps
Scandium	45-2	434836	418694	409494	421008	3.05	cps
Selenium	82-1	76	43	41	54	36.34	cps
Selenium	77-2	140	120	93	118	19.88	cps
Selenium	78-2	97	109	98	101	6.57	cps
Silicon	28-1	19271925	19212548	18958903	19147792	0.87	cps
Silver	107-1	1350	1350	1542	1414	7.83	cps
Silver	109-1	1142	1233	1358	1245	8.74	cps
Sodium	23-2	292225	280759	281111	284698	2.29	cps
Strontium	86-1	574225	563962	573890	570692	1.02	cps
Strontium	88-1	4936651	4974747	4944424	4951941	0.41	cps
Sulfur	34-1	459393	449685	446509	451863	1.49	cps
Terbium	159-1	24453807	24842404	24741061	24679091	0.82	cps
Terbium	159-2	9250452	9167749	8742102	9053435	3.01	cps
Thallium	203-1	792	958	900	883	9.57	cps
Thallium	205-1	2350	2309	2400	2353	1.95	cps
Tin	118-1	12414	12589	12881	12628	1.87	cps

LB Number :	LB116309	Operator :	Jaswal
Lab Sample ID :	M3713-09	Instrumnet Name :	P8
Client Sample ID :	JCF12	Dilution Factor :	1
Date & Time Acquired ::	2021-09-14 18:46:18	DataFile Name :	043AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Titanium	47-1	1689996	1636754	1637913	1654888	1.84	cps
Uranium	238-1	11789	11898	11848	11845	0.46	cps
Vanadium	51-2	401693	401431	407403	403509	0.84	cps
Ytterbium	172-1	13741	14442	14008	14063	2.52	cps
Ytterbium	172-2	6046	6029	6507	6194	4.38	cps
Ytterbium	176-1	11847	11205	11814	11622	3.11	cps
Ytterbium	176-2	5307	5473	5168	5316	2.88	cps
Yttrium	89-1	33165029	32943963	34338608	33482533	2.24	cps
Yttrium	89-2	3102949	3046301	2997461	3048904	1.73	cps
Zinc	66-2	70679	68950	69422	69684	1.28	cps
Zirconium	90-1	106088	110037	104728	106951	2.58	cps
Zirconium	91-1	23579	22310	23145	23011	2.80	cps

LB Number : LB116309 Operator : Jaswal
 Lab Sample ID : M3713-10 Instrumnet Name : P8
 Client Sample ID : JCF13 Dilution Factor : 1
 Date & Time Acquired :: 2021-09-14 18:49:11 DataFile Name : 044AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	2232988	2203750	2244567	2227102	0.94	cps
Antimony	121-1	7185	6827	7619	7210	5.50	cps
Arsenic	75-2	7647	7663	7480	7596	1.34	cps
Barium	135-1	502890	500218	493687	498932	0.95	cps
Barium	137-1	874324	867533	861491	867783	0.74	cps
Beryllium	9-1	3910	3964	4100	3991	2.45	cps
Bismuth	209-1	14904466	15139861	14579400	14874576	1.89	cps
Bismuth	209-2	6627678	6537321	6573018	6579339	0.69	cps
Boron	10-1	4384	4574	4482	4480	2.12	cps
Boron	11-1	20456	20656	20767	20626	0.76	cps
Bromine	81-1	11176	11006	11657	11280	2.99	cps
Cadmium	111-1	243	228	234	235	3.12	cps
Cadmium	106-1	9028	8503	8761	8764	3.00	cps
Cadmium	108-1	125	154	158	146	12.46	cps
Calcium	43-1	355171	355182	359523	356625	0.70	cps
Calcium	44-1	5895365	5774875	5859616	5843285	1.06	cps
Carbon	12-1	9010650	9154496	9239369	9134838	1.27	cps
Carbon	12-2	85491	85675	87284	86150	1.15	cps
Chlorine	35-1	107469044	119297474	123296553	116687690	7.05	cps
Chlorine	35-2	822362	827877	837412	829217	0.92	cps
Chromium	52-2	103575	104163	104099	103946	0.31	cps
Cobalt	59-2	145361	144297	144007	144555	0.49	cps
Copper	63-2	385639	382813	386522	384991	0.50	cps
Dysprosium	156-1	46172	47058	46214	46481	1.08	cps
Dysprosium	156-2	16217	16290	16657	16388	1.44	cps
Erbium	164-1	40487	40830	41558	40958	1.33	cps
Erbium	164-2	14895	15282	15125	15101	1.29	cps
Gadolinium	160-1	46440	46097	45553	46030	0.97	cps
Gadolinium	160-2	19681	20045	19992	19906	0.99	cps
Holmium	165-1	24461088	24664251	23838632	24321324	1.77	cps
Holmium	165-2	9415588	9307345	9659303	9460745	1.91	cps
Indium	115-1	20694495	20392633	19588042	20225057	2.83	cps
Indium	115-2	2508506	2510721	2491506	2503578	0.42	cps
Iron	54-2	8015302	8046405	8019560	8027089	0.21	cps
Iron	56-2	144625603	147029326	145065059	145573329	0.88	cps
Iron	57-2	3732662	3716943	3657499	3702368	1.07	cps

LB Number :	LB116309	Operator :	Jaswal
Lab Sample ID :	M3713-10	Instrumnet Name :	P8
Client Sample ID :	JCF13	Dilution Factor :	1
Date & Time Acquired ::	2021-09-14 18:49:11	DataFile Name :	044AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Krypton	83-1	687	717	713	706	2.33	cps
Lead	206-1	42358	42581	42693	42544	0.40	cps
Lead	207-1	35744	35493	35098	35445	0.92	cps
Lead	208-1	163388	167309	167701	166133	1.44	cps
Lithium	6-1	11844400	12168094	11533110	11848535	2.68	cps
Magnesium	24-2	1871667	1851697	1850819	1858061	0.63	cps
Manganese	55-2	1270399	1273764	1263776	1269313	0.40	cps
Molybdenum	94-1	24205	24965	24138	24436	1.88	cps
Molybdenum	95-1	2100	2142	2200	2147	2.34	cps
Molybdenum	96-1	7177	6944	6702	6941	3.42	cps
Molybdenum	97-1	1342	1358	1242	1314	4.80	cps
Molybdenum	98-1	3042	2809	3134	2995	5.60	cps
Neodymium	150-1	69720	68461	68963	69048	0.92	cps
Neodymium	150-2	17992	18303	18593	18296	1.64	cps
Nickel	60-2	34395	33967	33921	34094	0.77	cps
Phosphorus	31-2	3842	3442	3275	3520	8.28	cps
Potassium	39-2	86862	88714	85838	87138	1.67	cps
Rhodium	103-1	18995424	19214522	18212259	18807402	2.80	cps
Rhodium	103-2	7966664	7840312	8049417	7952131	1.32	cps
Scandium	45-1	15790874	16124858	15039498	15651743	3.55	cps
Scandium	45-2	431220	415491	426104	424272	1.89	cps
Selenium	82-1	55	25	64	48	42.08	cps
Selenium	77-2	100	110	97	102	6.79	cps
Selenium	78-2	84	75	80	80	5.66	cps
Silicon	28-1	18206677	18780912	18179665	18389085	1.85	cps
Silver	107-1	1217	1242	1575	1345	14.88	cps
Silver	109-1	1100	1217	1175	1164	5.08	cps
Sodium	23-2	195586	193581	197771	195646	1.07	cps
Strontium	86-1	454121	452206	450332	452220	0.42	cps
Strontium	88-1	3948558	3893765	3948558	3930294	0.80	cps
Sulfur	34-1	445029	450504	438901	444811	1.30	cps
Terbium	159-1	25548518	25013920	24290633	24951024	2.53	cps
Terbium	159-2	9094390	8973877	9203882	9090716	1.27	cps
Thallium	203-1	900	717	700	772	14.37	cps
Thallium	205-1	1950	2084	1859	1964	5.76	cps
Tin	118-1	10663	11338	11589	11197	4.28	cps

LB Number :	LB116309	Operator :	Jaswal
Lab Sample ID :	M3713-10	Instrumnet Name :	P8
Client Sample ID :	JCF13	Dilution Factor :	1
Date & Time Acquired ::	2021-09-14 18:49:11	DataFile Name :	044AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Titanium	47-1	938888	952489	947168	946182	0.72	cps
Uranium	238-1	10088	11130	10421	10546	5.05	cps
Vanadium	51-2	336130	340664	336586	337793	0.74	cps
Ytterbium	172-1	11831	11981	11722	11845	1.10	cps
Ytterbium	172-2	5257	5251	4951	5153	3.39	cps
Ytterbium	176-1	10004	10096	10012	10037	0.51	cps
Ytterbium	176-2	4473	4890	4751	4705	4.51	cps
Yttrium	89-1	34814699	33933713	32849250	33865887	2.91	cps
Yttrium	89-2	3083522	3041790	3167437	3097583	2.07	cps
Zinc	66-2	60010	60027	60006	60014	0.02	cps
Zirconium	90-1	65303	63863	64341	64502	1.14	cps
Zirconium	91-1	14324	14541	14408	14424	0.76	cps

LB Number : LB116309 Operator : Jaswal
 Lab Sample ID : M3713-11 Instrumnet Name : P8
 Client Sample ID : JCF14 Dilution Factor : 1
 Date & Time Acquired :: 2021-09-14 18:52:08 DataFile Name : 045AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	1319045	1280054	1270899	1289999	1.98	cps
Antimony	121-1	6093	6027	5951	6024	1.18	cps
Arsenic	75-2	4208	4125	4043	4125	2.00	cps
Barium	135-1	284894	286703	284844	285480	0.37	cps
Barium	137-1	507265	503108	496499	502291	1.08	cps
Beryllium	9-1	2408	2378	2288	2358	2.65	cps
Bismuth	209-1	14736832	14784071	15589485	15036796	3.19	cps
Bismuth	209-2	6503950	6509745	6449408	6487701	0.51	cps
Boron	10-1	3924	4114	4366	4134	5.36	cps
Boron	11-1	19291	19777	19269	19446	1.48	cps
Bromine	81-1	12068	11897	12038	12001	0.76	cps
Cadmium	111-1	163	197	195	185	10.10	cps
Cadmium	106-1	8878	8728	9537	9048	4.76	cps
Cadmium	108-1	142	158	163	154	7.15	cps
Calcium	43-1	249530	248812	248871	249071	0.16	cps
Calcium	44-1	4039588	4143254	4175802	4119548	1.73	cps
Carbon	12-1	11933849	12199458	11947148	12026818	1.24	cps
Carbon	12-2	114478	115636	114528	114881	0.57	cps
Chlorine	35-1	98092358	108241002	116437798	107590386	8.54	cps
Chlorine	35-2	738384	756753	763028	752722	1.70	cps
Chromium	52-2	59376	61133	60504	60338	1.48	cps
Cobalt	59-2	83785	84177	84083	84015	0.24	cps
Copper	63-2	238819	237360	243061	239747	1.24	cps
Dysprosium	156-1	29776	31755	29917	30483	3.62	cps
Dysprosium	156-2	10918	10991	11649	11186	3.60	cps
Erbium	164-1	28799	28698	28080	28526	1.36	cps
Erbium	164-2	10544	10411	10511	10489	0.66	cps
Gadolinium	160-1	31179	30619	31112	30970	0.99	cps
Gadolinium	160-2	13203	13207	13257	13222	0.23	cps
Holmium	165-1	23540329	23718204	24240001	23832844	1.53	cps
Holmium	165-2	9398170	9172964	9160311	9243815	1.45	cps
Indium	115-1	19916001	20403821	20825977	20381933	2.23	cps
Indium	115-2	2506771	2462308	2391031	2453370	2.38	cps
Iron	54-2	4834461	4787110	4739951	4787174	0.99	cps
Iron	56-2	87247083	84890541	86050841	86062821	1.37	cps
Iron	57-2	2266229	2222276	2187002	2225169	1.78	cps

LB Number :	LB116309	Operator :	Jaswal
Lab Sample ID :	M3713-11	Instrumnet Name :	P8
Client Sample ID :	JCF14	Dilution Factor :	1
Date & Time Acquired ::	2021-09-14 18:52:08	DataFile Name :	045AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Krypton	83-1	717	707	597	673	9.89	cps
Lead	206-1	29523	29072	29038	29211	0.93	cps
Lead	207-1	24162	24228	24000	24130	0.49	cps
Lead	208-1	112552	114377	111409	112779	1.33	cps
Lithium	6-1	11535270	11670977	12145759	11784002	2.72	cps
Magnesium	24-2	1100746	1112400	1085531	1099559	1.23	cps
Manganese	55-2	750835	755420	760216	755491	0.62	cps
Molybdenum	94-1	22101	23011	21684	22266	3.05	cps
Molybdenum	95-1	1483	1608	1375	1489	7.84	cps
Molybdenum	96-1	5835	5476	5284	5532	5.05	cps
Molybdenum	97-1	892	925	858	892	3.74	cps
Molybdenum	98-1	2209	2309	2267	2261	2.22	cps
Neodymium	150-1	44601	44374	44220	44398	0.43	cps
Neodymium	150-2	12252	11665	11905	11941	2.47	cps
Nickel	60-2	21256	20755	21319	21110	1.46	cps
Phosphorus	31-2	2409	2500	2467	2459	1.89	cps
Potassium	39-2	62327	62821	63114	62754	0.63	cps
Rhodium	103-1	18699561	18797378	19470916	18989285	2.21	cps
Rhodium	103-2	7911986	7744466	7524771	7727074	2.51	cps
Scandium	45-1	15051133	15436035	15803042	15430070	2.44	cps
Scandium	45-2	414023	409005	401753	408261	1.51	cps
Selenium	82-1	2	31	65	33	95.98	cps
Selenium	77-2	87	63	70	73	16.39	cps
Selenium	78-2	76	61	65	67	11.53	cps
Silicon	28-1	12964763	13408690	12849325	13074259	2.26	cps
Silver	107-1	1092	1017	1483	1197	20.93	cps
Silver	109-1	858	1133	933	975	14.58	cps
Sodium	23-2	140354	139900	140465	140240	0.21	cps
Strontium	86-1	264520	260039	266848	263802	1.31	cps
Strontium	88-1	2283368	2290895	2286458	2286907	0.17	cps
Sulfur	34-1	445888	448778	455076	449914	1.04	cps
Terbium	159-1	24408150	24730962	25563206	24900773	2.39	cps
Terbium	159-2	9010684	8704674	8689053	8801470	2.06	cps
Thallium	203-1	650	683	775	703	9.21	cps
Thallium	205-1	1608	1508	1533	1550	3.36	cps
Tin	118-1	10237	11367	10046	10550	6.77	cps

LB Number :	LB116309	Operator :	Jaswal
Lab Sample ID :	M3713-11	Instrumnet Name :	P8
Client Sample ID :	JCF14	Dilution Factor :	1
Date & Time Acquired ::	2021-09-14 18:52:08	DataFile Name :	045AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Titanium	47-1	786850	788591	773322	782921	1.07	cps
Uranium	238-1	6494	6460	6393	6449	0.79	cps
Vanadium	51-2	202265	201585	203421	202424	0.46	cps
Ytterbium	172-1	8636	8603	7919	8386	4.83	cps
Ytterbium	172-2	3512	3645	3534	3564	2.01	cps
Ytterbium	176-1	7711	8078	7619	7803	3.11	cps
Ytterbium	176-2	3456	3817	3962	3745	6.96	cps
Yttrium	89-1	33636352	33137319	34212504	33662058	1.60	cps
Yttrium	89-2	3017903	3016621	2923767	2986097	1.81	cps
Zinc	66-2	40672	39716	40685	40357	1.38	cps
Zirconium	90-1	58908	57662	59756	58775	1.79	cps
Zirconium	91-1	12439	13657	13373	13157	4.84	cps

LB Number :	LB116309	Operator :	Jaswal
Lab Sample ID :	M3713-12	Instrumnet Name :	P8
Client Sample ID :	JCF15	Dilution Factor :	1
Date & Time Acquired ::	2021-09-14 18:55:02	DataFile Name :	046AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	3711855	3684070	3718634	3704853	0.49	cps
Antimony	121-1	11305	11897	12256	11819	4.06	cps
Arsenic	75-2	6551	6489	6309	6450	1.95	cps
Barium	135-1	781768	805019	800565	795784	1.55	cps
Barium	137-1	1366076	1384970	1363554	1371533	0.85	cps
Beryllium	9-1	6320	6182	6410	6304	1.82	cps
Bismuth	209-1	14742031	15193902	14850738	14928890	1.58	cps
Bismuth	209-2	6256197	6529890	6544871	6443653	2.52	cps
Boron	10-1	5818	5784	6366	5989	5.45	cps
Boron	11-1	26745	28498	28792	28012	3.95	cps
Bromine	81-1	24176	25138	24757	24690	1.96	cps
Cadmium	111-1	586	570	624	593	4.68	cps
Cadmium	106-1	8920	9112	9645	9226	4.08	cps
Cadmium	108-1	204	221	238	221	7.55	cps
Calcium	43-1	656052	654621	659460	656711	0.38	cps
Calcium	44-1	10967156	11128063	10725978	10940399	1.85	cps
Carbon	12-1	25014192	25637807	26260673	25637557	2.43	cps
Carbon	12-2	245052	248454	244538	246015	0.87	cps
Chlorine	35-1	112687673	121533503	126057161	120092779	5.66	cps
Chlorine	35-2	809618	819722	821474	816938	0.78	cps
Chromium	52-2	154643	156027	155964	155545	0.50	cps
Cobalt	59-2	174027	174391	174025	174148	0.12	cps
Copper	63-2	673764	669638	672659	672020	0.32	cps
Dysprosium	156-1	97859	94862	96102	96274	1.56	cps
Dysprosium	156-2	35521	34976	34498	34998	1.46	cps
Erbium	164-1	89610	89434	89375	89473	0.14	cps
Erbium	164-2	33365	32774	32286	32808	1.65	cps
Gadolinium	160-1	97624	97296	100376	98432	1.72	cps
Gadolinium	160-2	42297	42665	42481	42481	0.43	cps
Holmium	165-1	24914224	24678215	23973351	24521930	2.00	cps
Holmium	165-2	9135892	9244966	9481698	9287519	1.90	cps
Indium	115-1	20336295	20713099	20484163	20511186	0.93	cps
Indium	115-2	2454755	2495529	2466183	2472156	0.85	cps
Iron	54-2	9663319	9523540	9593381	9593413	0.73	cps
Iron	56-2	172806937	175197143	171697176	173233752	1.03	cps
Iron	57-2	4410806	4450680	4402077	4421188	0.59	cps

LB Number :	LB116309	Operator :	Jaswal
Lab Sample ID :	M3713-12	Instrumnet Name :	P8
Client Sample ID :	JCF15	Dilution Factor :	1
Date & Time Acquired ::	2021-09-14 18:55:02	DataFile Name :	046AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Krypton	83-1	717	817	793	776	6.75	cps
Lead	206-1	81622	83317	83076	82672	1.11	cps
Lead	207-1	68430	68442	68798	68557	0.31	cps
Lead	208-1	315370	318683	319976	318010	0.75	cps
Lithium	6-1	11983520	11955592	11864681	11934598	0.52	cps
Magnesium	24-2	2534452	2607840	2543175	2561822	1.56	cps
Manganese	55-2	988032	993950	985912	989298	0.42	cps
Molybdenum	94-1	33935	40552	36258	36915	9.09	cps
Molybdenum	95-1	3300	3367	3184	3284	2.83	cps
Molybdenum	96-1	9937	9645	10613	10065	4.93	cps
Molybdenum	97-1	2100	1950	2250	2100	7.14	cps
Molybdenum	98-1	5193	5184	5443	5273	2.78	cps
Neodymium	150-1	140366	137422	141653	139813	1.55	cps
Neodymium	150-2	37820	36647	38138	37535	2.09	cps
Nickel	60-2	51165	50235	50626	50675	0.92	cps
Phosphorus	31-2	5976	5660	6035	5890	3.43	cps
Potassium	39-2	125840	126704	123603	125382	1.28	cps
Rhodium	103-1	18800270	19689604	18801143	19097006	2.69	cps
Rhodium	103-2	7850743	7800423	7997732	7882966	1.30	cps
Scandium	45-1	16049871	16227508	15618977	15965452	1.96	cps
Scandium	45-2	413939	426438	420960	420446	1.49	cps
Selenium	82-1	310	216	190	239	26.45	cps
Selenium	77-2	233	180	247	220	16.04	cps
Selenium	78-2	154	142	147	148	4.08	cps
Silicon	28-1	13364812	15107190	23616826	17362943	31.59	cps
Silver	107-1	2117	2392	2209	2239	6.25	cps
Silver	109-1	1658	2367	2017	2014	17.59	cps
Sodium	23-2	308186	314366	307559	310037	1.21	cps
Strontium	86-1	684491	693949	700499	692980	1.16	cps
Strontium	88-1	5955986	6163623	5920339	6013316	2.18	cps
Sulfur	34-1	544902	544464	549212	546192	0.48	cps
Terbium	159-1	24992631	25368137	25712726	25357832	1.42	cps
Terbium	159-2	9102931	9131344	9102511	9112262	0.18	cps
Thallium	203-1	1250	1408	1358	1339	6.05	cps
Thallium	205-1	3025	3175	3334	3178	4.85	cps
Tin	118-1	23896	24197	24631	24241	1.52	cps

LB Number :	LB116309	Operator :	Jaswal
Lab Sample ID :	M3713-12	Instrumnet Name :	P8
Client Sample ID :	JCF15	Dilution Factor :	1
Date & Time Acquired ::	2021-09-14 18:55:02	DataFile Name :	046AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Titanium	47-1	929389	923438	992595	948474	4.04	cps
Uranium	238-1	20434	20459	20742	20545	0.83	cps
Vanadium	51-2	472856	476687	467401	472315	0.99	cps
Ytterbium	172-1	25225	26243	25333	25600	2.19	cps
Ytterbium	172-2	11383	11400	10727	11170	3.44	cps
Ytterbium	176-1	18346	18981	18639	18655	1.70	cps
Ytterbium	176-2	8308	8586	8564	8486	1.82	cps
Yttrium	89-1	35235990	35796703	34567810	35200168	1.75	cps
Yttrium	89-2	3138039	3117681	3147145	3134288	0.48	cps
Zinc	66-2	90383	89487	89397	89755	0.61	cps
Zirconium	90-1	90251	96557	93360	93389	3.38	cps
Zirconium	91-1	18897	19464	21312	19891	6.35	cps

LB Number :	LB116309	Operator :	Jaswal
Lab Sample ID :	M3710-03A	Instrumnet Name :	P8
Client Sample ID :	EW132A	Dilution Factor :	1
Date & Time Acquired ::	2021-09-14 18:57:58	DataFile Name :	047AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	1720	1710	1686	1705	1.02	cps
Antimony	121-1	2917	2784	2825	2842	2.40	cps
Arsenic	75-2	496	469	521	495	5.25	cps
Barium	135-1	283646	282115	283677	283146	0.32	cps
Barium	137-1	485097	500614	489489	491733	1.63	cps
Beryllium	9-1	72	64	80	72	11.11	cps
Bismuth	209-1	13791401	14243193	14372208	14135600	2.16	cps
Bismuth	209-2	6072073	6242399	6197024	6170499	1.43	cps
Boron	10-1	169889	180604	188343	179612	5.16	cps
Boron	11-1	793940	851981	845767	830563	3.84	cps
Bromine	81-1	69292	81246	92820	81119	14.50	cps
Cadmium	111-1	215	197	245	219	11.02	cps
Cadmium	106-1	8311	8970	8411	8564	4.15	cps
Cadmium	108-1	121	83	104	103	18.29	cps
Calcium	43-1	5196021	5320394	5234569	5250328	1.21	cps
Calcium	44-1	85573891	83407514	85507784	84829730	1.45	cps
Carbon	12-1	9557289	10386457	10830044	10257930	6.30	cps
Carbon	12-2	107619	109850	108324	108598	1.05	cps
Chlorine	35-1	20150107	19054838	17671231	18958725	6.55	cps
Chlorine	35-2	97083	91112	87666	91953	5.18	cps
Chromium	52-2	1647	1543	1683	1625	4.47	cps
Cobalt	59-2	2550	2547	2444	2514	2.41	cps
Copper	63-2	7502	7639	7569	7570	0.90	cps
Dysprosium	156-1	67	92	92	83	17.32	cps
Dysprosium	156-2	20	13	33	22	45.83	cps
Erbium	164-1	225	225	125	192	30.12	cps
Erbium	164-2	90	83	63	79	17.59	cps
Gadolinium	160-1	125	133	125	128	3.77	cps
Gadolinium	160-2	50	73	43	56	28.35	cps
Holmium	165-1	24405866	23419593	23395825	23740428	2.43	cps
Holmium	165-2	9060712	8994824	9027685	9027740	0.36	cps
Indium	115-1	19504018	19787673	19629524	19640405	0.72	cps
Indium	115-2	2340382	2396661	2371375	2369472	1.19	cps
Iron	54-2	218363	215750	212827	215647	1.28	cps
Iron	56-2	4077251	4128508	4078105	4094621	0.72	cps
Iron	57-2	100871	100749	99859	100493	0.55	cps

LB Number :	LB116309	Operator :	Jaswal
Lab Sample ID :	M3710-03A	Instrumnet Name :	P8
Client Sample ID :	EW132A	Dilution Factor :	1
Date & Time Acquired ::	2021-09-14 18:57:58	DataFile Name :	047AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Krypton	83-1	620	587	680	629	7.52	cps
Lead	206-1	3762	3762	3667	3730	1.46	cps
Lead	207-1	3200	2850	2839	2963	6.93	cps
Lead	208-1	14337	14025	14181	14181	1.10	cps
Lithium	6-1	11448408	11602112	11588841	11546454	0.74	cps
Magnesium	24-2	8253101	8035046	7862202	8050116	2.43	cps
Manganese	55-2	1180305	1168193	1164802	1171100	0.70	cps
Molybdenum	94-1	26167	25482	27152	26267	3.20	cps
Molybdenum	95-1	42206	43778	43143	43042	1.84	cps
Molybdenum	96-1	46688	46169	46780	46546	0.71	cps
Molybdenum	97-1	26134	25975	26376	26161	0.77	cps
Molybdenum	98-1	67917	67489	68822	68076	1.00	cps
Neodymium	150-1	73	140	107	107	31.25	cps
Neodymium	150-2	43	27	27	32	29.85	cps
Nickel	60-2	4624	4584	4547	4585	0.84	cps
Phosphorus	31-2	417	358	375	383	7.84	cps
Potassium	39-2	1710634	1715410	1735000	1720348	0.75	cps
Rhodium	103-1	17965638	17789859	18012227	17922575	0.65	cps
Rhodium	103-2	7285403	7456913	7267322	7336546	1.43	cps
Scandium	45-1	14899614	14823826	14792515	14838652	0.37	cps
Scandium	45-2	388544	386009	381201	385251	0.97	cps
Selenium	82-1	31	79	-17	31	156.59	cps
Selenium	77-2	0	0	7	2	173.21	cps
Selenium	78-2	34	38	32	35	8.81	cps
Silicon	28-1	67043987	68664183	68051795	67919988	1.20	cps
Silver	107-1	24848	26134	25257	25413	2.58	cps
Silver	109-1	23537	24047	23287	23624	1.64	cps
Sodium	23-2	7954542	7854973	7769979	7859831	1.18	cps
Strontium	86-1	1853627	1839922	1792610	1828719	1.75	cps
Strontium	88-1	15665301	15725913	15395261	15595492	1.13	cps
Sulfur	34-1	1695887	1747102	1769765	1737585	2.18	cps
Terbium	159-1	24386100	24224196	24199119	24269805	0.42	cps
Terbium	159-2	8740934	8639545	8526331	8635603	1.24	cps
Thallium	203-1	408	267	325	333	21.36	cps
Thallium	205-1	892	817	725	811	10.29	cps
Tin	118-1	3809	3951	4042	3934	2.99	cps

LB Number :	LB116309	Operator :	Jaswal
Lab Sample ID :	M3710-03A	Instrumnet Name :	P8
Client Sample ID :	EW132A	Dilution Factor :	1
Date & Time Acquired ::	2021-09-14 18:57:58	DataFile Name :	047AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Titanium	47-1	2550	2150	4011	2904	33.73	cps
Uranium	238-1	39437	40223	40440	40033	1.32	cps
Vanadium	51-2	923	883	843	883	4.53	cps
Ytterbium	172-1	100	83	67	83	20.00	cps
Ytterbium	172-2	39	44	39	41	7.88	cps
Ytterbium	176-1	2509	2309	2675	2498	7.35	cps
Ytterbium	176-2	983	1345	1217	1182	15.50	cps
Yttrium	89-1	32463546	32815992	32034314	32437951	1.21	cps
Yttrium	89-2	2818379	2861310	2825138	2834942	0.81	cps
Zinc	66-2	10247	10384	10444	10358	0.97	cps
Zirconium	90-1	5970	5618	5234	5607	6.56	cps
Zirconium	91-1	933	958	1550	1147	30.43	cps

LB Number :	LB116309	Operator :	Jaswal
Lab Sample ID :	M3713-01A	Instrumnet Name :	P8
Client Sample ID :	JCF03A	Dilution Factor :	1
Date & Time Acquired ::	2021-09-14 19:00:51	DataFile Name :	048AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	1728438	1699335	1703249	1710341	0.92	cps
Antimony	121-1	2609	2467	2867	2648	7.66	cps
Arsenic	75-2	4378	4540	4539	4486	2.08	cps
Barium	135-1	372046	365061	363698	366935	1.22	cps
Barium	137-1	647639	644589	646763	646330	0.24	cps
Beryllium	9-1	2990	2884	2788	2887	3.50	cps
Bismuth	209-1	14342246	15405238	15236294	14994592	3.81	cps
Bismuth	209-2	6524430	6333683	6545896	6468003	1.81	cps
Boron	10-1	18854	17067	15769	17230	8.99	cps
Boron	11-1	89565	79825	74394	81262	9.46	cps
Bromine	81-1	26221	25439	23223	24961	6.23	cps
Cadmium	111-1	195	182	128	168	21.05	cps
Cadmium	106-1	8978	8745	9303	9009	3.12	cps
Cadmium	108-1	104	113	154	124	21.67	cps
Calcium	43-1	290512	288002	287594	288703	0.55	cps
Calcium	44-1	4883243	4759143	4685586	4775991	2.09	cps
Carbon	12-1	10658475	10596623	10532353	10595817	0.60	cps
Carbon	12-2	96626	95560	96693	96293	0.66	cps
Chlorine	35-1	82533754	95086277	100943517	92854516	10.13	cps
Chlorine	35-2	672769	685373	714970	691037	3.13	cps
Chromium	52-2	89535	88975	91460	89990	1.45	cps
Cobalt	59-2	115091	115904	115518	115504	0.35	cps
Copper	63-2	284014	284174	278291	282160	1.19	cps
Dysprosium	156-1	25417	25508	25208	25378	0.61	cps
Dysprosium	156-2	9107	8806	9133	9015	2.01	cps
Erbium	164-1	23939	23313	23104	23452	1.85	cps
Erbium	164-2	8543	8590	8216	8449	2.41	cps
Gadolinium	160-1	25241	25441	24632	25105	1.68	cps
Gadolinium	160-2	10915	10441	10888	10748	2.48	cps
Holmium	165-1	23367282	24036242	24970026	24124517	3.34	cps
Holmium	165-2	9245280	9178561	9305091	9242977	0.68	cps
Indium	115-1	19456486	19940651	20267294	19888143	2.05	cps
Indium	115-2	2416019	2446414	2398137	2420190	1.01	cps
Iron	54-2	5788723	5686626	5508925	5661425	2.50	cps
Iron	56-2	103947458	103259022	99828349	102344943	2.16	cps
Iron	57-2	2726881	2656220	2623792	2668964	1.98	cps

LB Number :	LB116309	Operator :	Jaswal
Lab Sample ID :	M3713-01A	Instrumnet Name :	P8
Client Sample ID :	JCF03A	Dilution Factor :	1
Date & Time Acquired ::	2021-09-14 19:00:51	DataFile Name :	048AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Krypton	83-1	643	577	583	601	6.11	cps
Lead	206-1	24679	24690	24529	24633	0.37	cps
Lead	207-1	20444	19932	20934	20437	2.45	cps
Lead	208-1	95410	94129	95421	94987	0.78	cps
Lithium	6-1	11104765	11334242	12006868	11481959	4.08	cps
Magnesium	24-2	1118517	1126347	1132105	1125656	0.61	cps
Manganese	55-2	2164493	2107238	2058315	2110016	2.52	cps
Molybdenum	94-1	16427	15417	15935	15926	3.17	cps
Molybdenum	95-1	1100	1392	1467	1320	14.68	cps
Molybdenum	96-1	4568	4809	4292	4556	5.68	cps
Molybdenum	97-1	842	958	733	844	13.33	cps
Molybdenum	98-1	2125	2392	2375	2297	6.50	cps
Neodymium	150-1	36283	36490	36891	36555	0.85	cps
Neodymium	150-2	9817	10007	9567	9797	2.25	cps
Nickel	60-2	29133	28682	28779	28865	0.82	cps
Phosphorus	31-2	2459	2034	2650	2381	13.26	cps
Potassium	39-2	50447	52605	52939	51997	2.60	cps
Rhodium	103-1	18081614	18561095	19071298	18571336	2.66	cps
Rhodium	103-2	7757908	7690418	7839419	7762581	0.96	cps
Scandium	45-1	14811518	15424498	15446547	15227521	2.37	cps
Scandium	45-2	401054	396297	402022	399791	0.77	cps
Selenium	82-1	83	77	131	97	30.65	cps
Selenium	77-2	40	33	63	46	34.58	cps
Selenium	78-2	41	50	73	55	30.19	cps
Silicon	28-1	13560957	13059091	13614202	13411417	2.28	cps
Silver	107-1	27236	27044	27119	27133	0.36	cps
Silver	109-1	24856	25591	24698	25048	1.90	cps
Sodium	23-2	135527	134930	133683	134713	0.70	cps
Strontium	86-1	283936	278652	275959	279516	1.45	cps
Strontium	88-1	2462935	2485598	2465581	2471371	0.50	cps
Sulfur	34-1	461158	462918	458297	460791	0.51	cps
Terbium	159-1	23993115	25579145	25008987	24860416	3.23	cps
Terbium	159-2	8990775	8987089	8721098	8899654	1.74	cps
Thallium	203-1	767	858	800	808	5.74	cps
Thallium	205-1	1825	2267	2225	2106	11.58	cps
Tin	118-1	10713	10713	10938	10788	1.21	cps

LB Number :	LB116309	Operator :	Jaswal
Lab Sample ID :	M3713-01A	Instrumnet Name :	P8
Client Sample ID :	JCF03A	Dilution Factor :	1
Date & Time Acquired ::	2021-09-14 19:00:51	DataFile Name :	048AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Titanium	47-1	344122	346672	341314	344036	0.78	cps
Uranium	238-1	6035	6143	6218	6132	1.50	cps
Vanadium	51-2	219432	216979	215571	217327	0.90	cps
Ytterbium	172-1	7219	7152	7552	7308	2.93	cps
Ytterbium	172-2	3100	2950	2856	2969	4.15	cps
Ytterbium	176-1	6944	7502	6927	7124	4.60	cps
Ytterbium	176-2	3278	3412	2989	3226	6.69	cps
Yttrium	89-1	31699137	33655231	34267899	33207422	4.04	cps
Yttrium	89-2	2935903	2950468	2985858	2957410	0.87	cps
Zinc	66-2	46974	47807	47172	47318	0.92	cps
Zirconium	90-1	41563	42842	40835	41747	2.43	cps
Zirconium	91-1	9295	9528	8795	9206	4.07	cps

LB Number : LB116309 Operator : Jaswal
 Lab Sample ID : CCV028 Instrumnet Name : P8
 Client Sample ID : CCV028 Dilution Factor : 1
 Date & Time Acquired :: 2021-09-14 19:19:39 DataFile Name : 050CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	3416437	3385518	3421843	3407933	0.58	cps
Antimony	121-1	3957089	4026534	4074976	4019533	1.47	cps
Arsenic	75-2	113117	114150	113164	113477	0.51	cps
Barium	135-1	5006398	5188194	5197322	5130638	2.10	cps
Barium	137-1	8663724	8703365	8948711	8771933	1.76	cps
Beryllium	9-1	1548231	1598656	1608262	1585050	2.03	cps
Bismuth	209-1	12442764	12651226	12800566	12631519	1.42	cps
Bismuth	209-2	5947872	5791955	5688785	5809537	2.25	cps
Boron	10-1	190637	199047	206575	198753	4.01	cps
Boron	11-1	881294	883455	894307	886352	0.79	cps
Bromine	81-1	7440	7981	7590	7670	3.64	cps
Cadmium	111-1	1083811	1077328	1093278	1084806	0.74	cps
Cadmium	106-1	135065	134849	135553	135156	0.27	cps
Cadmium	108-1	85136	87689	86049	86291	1.50	cps
Calcium	43-1	7988335	8021939	8140207	8050160	0.99	cps
Calcium	44-1	130756821	127671624	128538468	128988971	1.23	cps
Carbon	12-1	6990754	7341577	7534229	7288853	3.78	cps
Carbon	12-2	78234	79734	79229	79066	0.97	cps
Chlorine	35-1	2107022	2114501	2065271	2095598	1.27	cps
Chlorine	35-2	13181	12689	12472	12781	2.84	cps
Chromium	52-2	1204956	1228412	1231340	1221570	1.18	cps
Cobalt	59-2	2243095	2214318	2231921	2229778	0.65	cps
Copper	63-2	16641610	16977654	16651306	16756857	1.14	cps
Dysprosium	156-1	875	792	817	828	5.17	cps
Dysprosium	156-2	323	313	340	326	4.14	cps
Erbium	164-1	242	308	300	283	12.82	cps
Erbium	164-2	113	77	77	89	23.82	cps
Gadolinium	160-1	867	967	1075	970	10.75	cps
Gadolinium	160-2	407	400	480	429	10.35	cps
Holmium	165-1	22460305	22107249	22413349	22326968	0.86	cps
Holmium	165-2	9238982	8854772	8744699	8946151	2.90	cps
Indium	115-1	17937974	17611045	18194689	17914569	1.63	cps
Indium	115-2	2331468	2326825	2310871	2323055	0.47	cps
Iron	54-2	13548079	13346639	13224085	13372934	1.22	cps
Iron	56-2	243086122	239848622	243124417	242019720	0.78	cps
Iron	57-2	6204095	6079419	6179891	6154468	1.07	cps

LB Number :	LB116309	Operator :	Jaswal
Lab Sample ID :	CCV028	Instrumnet Name :	P8
Client Sample ID :	CCV028	Dilution Factor :	1
Date & Time Acquired ::	2021-09-14 19:19:39	DataFile Name :	050CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Krypton	83-1	640	633	533	602	9.92	cps
Lead	206-1	15949731	16325600	16318625	16197986	1.33	cps
Lead	207-1	13663312	14133472	13700918	13832567	1.89	cps
Lead	208-1	63617894	65133015	63592208	64114372	1.38	cps
Lithium	6-1	10675138	10308575	10683567	10555760	2.03	cps
Magnesium	24-2	52003039	51090521	52029149	51707570	1.03	cps
Manganese	55-2	6318903	6285189	6224837	6276310	0.76	cps
Molybdenum	94-1	9067838	9111886	8987183	9055636	0.70	cps
Molybdenum	95-1	11058754	11305487	11264051	11209431	1.18	cps
Molybdenum	96-1	12425072	12635870	12506090	12522344	0.85	cps
Molybdenum	97-1	6776145	6865425	6822641	6821404	0.65	cps
Molybdenum	98-1	17485507	17928873	17988602	17800994	1.54	cps
Neodymium	150-1	273	360	273	302	16.56	cps
Neodymium	150-2	20	30	10	20	50.00	cps
Nickel	60-2	566689	565730	569023	567147	0.30	cps
Phosphorus	31-2	34166	33063	35085	34105	2.97	cps
Potassium	39-2	16260919	16215495	16171135	16215849	0.28	cps
Rhodium	103-1	16064183	16009635	16315425	16129747	1.01	cps
Rhodium	103-2	7116693	6915778	7015299	7015924	1.43	cps
Scandium	45-1	13790731	13376160	13817721	13661537	1.81	cps
Scandium	45-2	393070	389726	387646	390147	0.70	cps
Selenium	82-1	85812	85757	86558	86042	0.52	cps
Selenium	77-2	2180	2194	2270	2215	2.19	cps
Selenium	78-2	7130	7316	7369	7271	1.73	cps
Silicon	28-1	3968409	4194922	4224131	4129154	3.39	cps
Silver	107-1	5580191	5633708	5623232	5612377	0.51	cps
Silver	109-1	5270664	5433711	5330005	5344793	1.54	cps
Sodium	23-2	101632142	100104840	100200263	100645748	0.85	cps
Strontium	86-1	14395556	14581459	14839623	14605546	1.53	cps
Strontium	88-1	125661174	126884861	126293082	126279706	0.48	cps
Sulfur	34-1	953053	967792	958347	959731	0.78	cps
Terbium	159-1	22852675	22442736	23067345	22787585	1.39	cps
Terbium	159-2	8944186	8293735	8619599	8619173	3.77	cps
Thallium	203-1	3950074	3994637	4121705	4022139	2.21	cps
Thallium	205-1	9362586	9312140	9314669	9329798	0.30	cps
Tin	118-1	3569753	3611858	3744832	3642147	2.51	cps

LB Number :	LB116309	Operator :	Jaswal
Lab Sample ID :	CCV028	Instrumnet Name :	P8
Client Sample ID :	CCV028	Dilution Factor :	1
Date & Time Acquired ::	2021-09-14 19:19:39	DataFile Name :	050CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Titanium	47-1	3701168	3682718	3641101	3674995	0.84	cps
Uranium	238-1	12568746	12497715	12608106	12558189	0.45	cps
Vanadium	51-2	977295	983241	981600	980712	0.31	cps
Ytterbium	172-1	83	117	142	114	25.69	cps
Ytterbium	172-2	22	17	39	26	44.60	cps
Ytterbium	176-1	18413	19273	19131	18939	2.43	cps
Ytterbium	176-2	8197	8470	8236	8301	1.78	cps
Yttrium	89-1	30537142	29864213	30623013	30341456	1.37	cps
Yttrium	89-2	2926980	2868601	2824738	2873440	1.79	cps
Zinc	66-2	1934304	1921083	1940083	1931823	0.50	cps
Zirconium	90-1	8037938	7960635	7883174	7960583	0.97	cps
Zirconium	91-1	1785224	1794521	1826691	1802145	1.21	cps

LB Number : LB116309 Operator : Jaswal
 Lab Sample ID : CCB028 Instrumnet Name : P8
 Client Sample ID : CCB028 Dilution Factor : 1
 Date & Time Acquired :: 2021-09-14 19:27:27 DataFile Name : 051CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	91	107	126	108	16.17	cps
Antimony	121-1	633	700	925	753	20.30	cps
Arsenic	75-2	6	3	6	5	34.64	cps
Barium	135-1	125	142	250	172	39.41	cps
Barium	137-1	167	417	358	314	41.67	cps
Beryllium	9-1	80	80	78	79	1.45	cps
Bismuth	209-1	14049291	14338728	14537946	14308655	1.72	cps
Bismuth	209-2	6597125	6352271	6366009	6438468	2.14	cps
Boron	10-1	6068	6132	5976	6059	1.29	cps
Boron	11-1	28137	27885	26933	27652	2.30	cps
Bromine	81-1	7760	7810	7900	7824	0.91	cps
Cadmium	111-1	82	55	34	57	42.06	cps
Cadmium	106-1	8653	8219	8861	8578	3.82	cps
Cadmium	108-1	63	42	58	54	20.35	cps
Calcium	43-1	421	444	429	431	2.66	cps
Calcium	44-1	18208	18933	19059	18733	2.45	cps
Carbon	12-1	5069681	5020851	5082631	5057721	0.64	cps
Carbon	12-2	49860	49660	49484	49668	0.38	cps
Chlorine	35-1	1516438	1468162	1476327	1486976	1.74	cps
Chlorine	35-2	9370	9212	9370	9317	0.98	cps
Chromium	52-2	707	713	660	693	4.19	cps
Cobalt	59-2	100	127	157	128	22.19	cps
Copper	63-2	1173	1167	1180	1173	0.57	cps
Dysprosium	156-1	83	50	33	56	45.83	cps
Dysprosium	156-2	0	10	7	6	91.64	cps
Erbium	164-1	175	92	125	131	32.13	cps
Erbium	164-2	67	50	73	63	18.98	cps
Gadolinium	160-1	83	67	167	106	50.75	cps
Gadolinium	160-2	33	47	40	40	16.68	cps
Holmium	165-1	22464664	22651042	23666472	22927393	2.82	cps
Holmium	165-2	9230503	8786870	8846626	8954666	2.69	cps
Indium	115-1	18945822	18768758	19794847	19169809	2.86	cps
Indium	115-2	2493288	2427107	2379288	2433228	2.35	cps
Iron	54-2	383	367	400	383	4.35	cps
Iron	56-2	3845	3528	4329	3901	10.33	cps
Iron	57-2	111	139	111	120	13.32	cps

LB Number :	LB116309	Operator :	Jaswal
Lab Sample ID :	CCB028	Instrumnet Name :	P8
Client Sample ID :	CCB028	Dilution Factor :	1
Date & Time Acquired ::	2021-09-14 19:27:27	DataFile Name :	051CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Krypton	83-1	577	657	493	576	14.19	cps
Lead	206-1	1211	1178	1072	1154	6.28	cps
Lead	207-1	1006	1056	1017	1026	2.56	cps
Lead	208-1	4612	4728	4467	4602	2.84	cps
Lithium	6-1	11069868	10853693	11342536	11088699	2.21	cps
Magnesium	24-2	442	558	642	547	18.36	cps
Manganese	55-2	303	300	253	286	9.79	cps
Molybdenum	94-1	567	733	783	694	16.34	cps
Molybdenum	95-1	292	233	217	247	15.93	cps
Molybdenum	96-1	492	408	400	433	11.70	cps
Molybdenum	97-1	183	133	142	153	17.53	cps
Molybdenum	98-1	433	342	283	353	21.43	cps
Neodymium	150-1	0	0	7	2	173.21	cps
Neodymium	150-2	0	0	3	1	173.21	cps
Nickel	60-2	30	20	23	24	20.83	cps
Phosphorus	31-2	133	75	83	97	32.45	cps
Potassium	39-2	10512	10946	10462	10640	2.50	cps
Rhodium	103-1	17850467	17873521	18739526	18154505	2.79	cps
Rhodium	103-2	7877820	7482834	7584596	7648416	2.68	cps
Scandium	45-1	14215310	13876301	14306970	14132860	1.61	cps
Scandium	45-2	390789	384711	376605	384035	1.85	cps
Selenium	82-1	21	-71	64	5	1409.48	cps
Selenium	77-2	0	0	0	0	0.00	cps
Selenium	78-2	25	17	24	22	19.81	cps
Silicon	28-1	291693	286702	293624	290673	1.23	cps
Silver	107-1	383	408	442	411	7.12	cps
Silver	109-1	408	283	258	317	25.38	cps
Sodium	23-2	19021	18963	19680	19221	2.07	cps
Strontium	86-1	967	858	1292	1039	21.71	cps
Strontium	88-1	1342	1308	1242	1297	3.93	cps
Sulfur	34-1	469449	469646	469550	469548	0.02	cps
Terbium	159-1	22874941	23302486	23508180	23228536	1.39	cps
Terbium	159-2	8892725	8667429	8524232	8694795	2.14	cps
Thallium	203-1	933	792	567	764	24.21	cps
Thallium	205-1	1975	1667	1925	1856	8.92	cps
Tin	118-1	967	967	1225	1053	14.17	cps

LB Number :	LB116309	Operator :	Jaswal
Lab Sample ID :	CCB028	Instrumnet Name :	P8
Client Sample ID :	CCB028	Dilution Factor :	1
Date & Time Acquired ::	2021-09-14 19:27:27	DataFile Name :	051CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Titanium	47-1	225	167	183	192	15.68	cps
Uranium	238-1	75	58	42	58	28.57	cps
Vanadium	51-2	10	17	3	10	66.70	cps
Ytterbium	172-1	67	50	58	58	14.29	cps
Ytterbium	172-2	28	33	11	24	48.04	cps
Ytterbium	176-1	2384	2359	2359	2367	0.61	cps
Ytterbium	176-2	1478	1628	1539	1548	4.87	cps
Yttrium	89-1	31285810	30890589	31895749	31357383	1.61	cps
Yttrium	89-2	2993832	2880054	2821642	2898509	3.02	cps
Zinc	66-2	197	237	293	242	20.05	cps
Zirconium	90-1	1759	1867	1417	1681	13.98	cps
Zirconium	91-1	283	342	358	328	12.02	cps