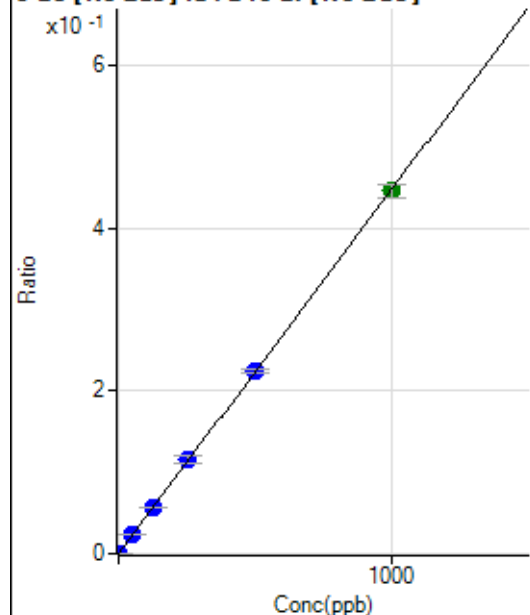


Batch Folder: D:\Agilent\ICPMH\1\DATA\P8041823MS.b\
Analysis File: P8041823MS.batch.bin
DA Date-Time: 2023-04-18 23:58:15
Calibration Title:
Calibration Method: External Calibration
VIS Interpolation Fit:

Level	Standard Data File	Sample Name	Acq. Date-Time
1	004CALB.d	S00	2023-04-18 12:09:39
2	006CALS.d	S02	2023-04-18 12:15:49
3	007CALS.d	S03	2023-04-18 12:18:52
4	008CALS.d	S04	2023-04-18 12:21:54
5	009CALS.d	S05	2023-04-18 12:24:52
6	010CALS.d	S06	2023-04-18 12:27:53
7	011CALS.d	S07	2023-04-18 12:30:52
8	012CALS.d	S08	2023-04-18 12:33:53

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	72.91	0.0000	P	7.3
2	☐	1.000	1.126	1990.72	0.0005	P	3.7
3	☐	50.000	52.781	88198.02	0.0236	P	1.6
4	☐	125.000	125.726	217120.37	0.0563	P	2.0
5	☐	250.000	260.612	434514.93	0.1166	P	8.5
6	☐	500.000	501.052	848888.39	0.2242	P	2.7
7	☐	1000.000	996.591	1686500.54	0.4458	A	3.9
8	☐			651.18	0.0002	P	3.7

$$y = 4.4733\text{E-}004 * x + 1.9364\text{E-}005$$

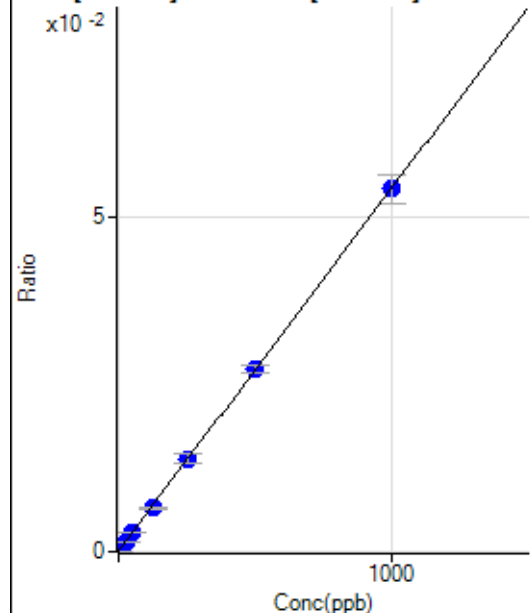
$$R = 0.9999$$

$$DL = 0.009527$$

$$BEC = 0.04329$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	424.59	0.0001	P	8.8
2	☐	25.000	23.752	5329.26	0.0014	P	2.8
3	☐	50.000	51.161	10769.17	0.0029	P	5.9
4	☐	125.000	118.451	25214.68	0.0065	P	5.3
5	☐	250.000	253.921	51671.76	0.0139	P	11.2
6	☐	500.000	502.141	103455.24	0.0273	P	5.0
7	☐	1000.000	998.741	205082.99	0.0542	P	7.9
8	☐			14314.84	0.0039	P	6.0

$$y = 5.4188\text{E-}005 * x + 1.1283\text{E-}004$$

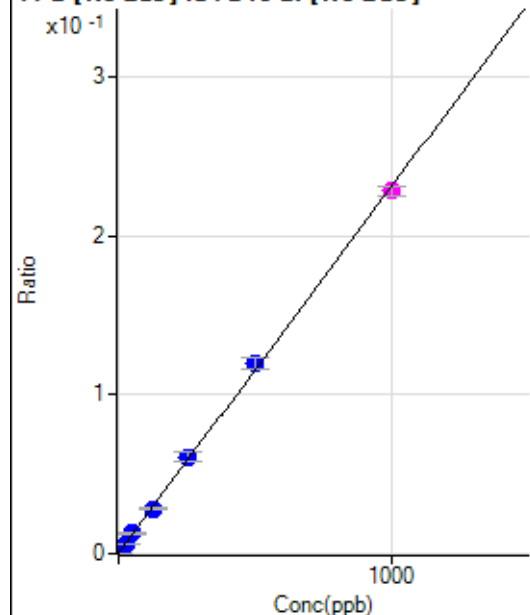
$$R = 1.0000$$

$$DL = 0.5523$$

$$BEC = 2.082$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	1822.43	0.0005	P	2.4
2	☐	25.000	25.113	23861.29	0.0063	P	3.4
3	☐	50.000	53.552	47844.06	0.0128	P	4.8
4	☐	125.000	120.914	109366.72	0.0283	P	5.1
5	☐	250.000	262.948	227494.80	0.0610	P	10.7
6	☐	500.000	517.848	453388.35	0.1198	P	6.4
7	☐	1000.000	988.169	863130.26	0.2281	M	2.9
8	☐			62110.37	0.0171	P	6.3

$$y = 2.3032\text{E-}004 * x + 4.8370\text{E-}004$$

$$R = 0.9996$$

$$DL = 0.1481$$

$$BEC = 2.1$$

Weight: <None>

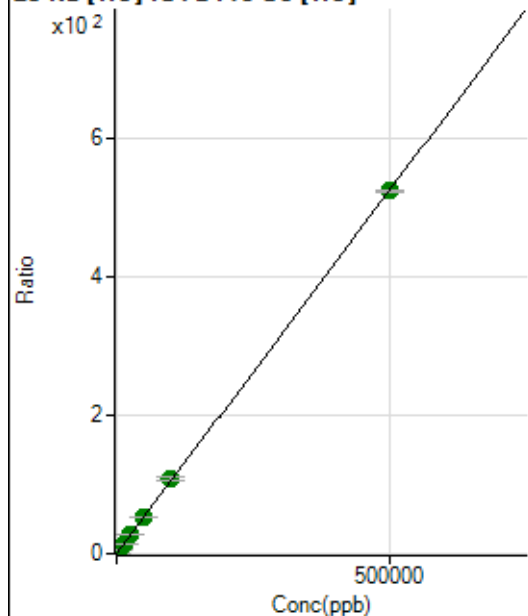
Min Conc: 0

12 C [No Gas] No available calibration points

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐			5062888.91		A	0.7
2	☐			4997746.90		A	0.5
3	☐			5491486.76		A	1.6
4	☐			5476847.74		A	1.9
5	☐			5216173.95		A	0.8
6	☐			6180601.14		A	2.2
7	☐			6464246.06		A	3.2
8	☐			5036598.90		A	1.9

12 C [He] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			58023.60		P	0.7
2	☐			57013.98		P	0.3
3	☐			62438.57		P	0.7
4	☐			63548.76		P	2.1
5	☐			61007.42		P	1.7
6	☐			72814.09		P	1.0
7	☐			79123.94		P	0.8
8	☐			64215.68		P	1.0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	22598.56	0.1105	P	1.3
2	☐	500.000	509.912	131996.98	0.6460	P	1.5
3	☐	5000.000	5203.744	1138509.28	5.5754	A	3.6
4	☐	12500.000	12983.586	2793707.03	13.7457	A	3.1
5	☐	25000.000	25589.690	5491463.01	26.9844	A	2.1
6	☐	50000.000	50653.257	10755674.81	53.3058	A	2.2
7	☐	100000.00	102513.93	21742821.15	107.7691	A	4.2
8	☐	500000.00	499388.26	105970196.8	524.5603	A	0.6

$$y = 0.0011 * x + 0.1105$$

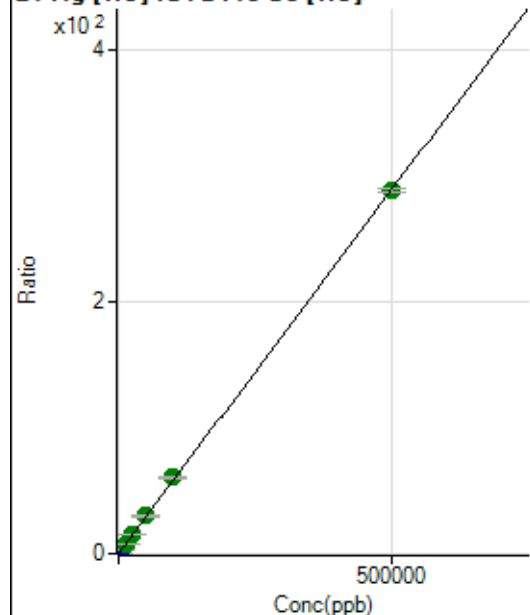
$$R = 1.0000$$

$$DL = 4.15$$

$$BEC = 105.3$$

Weight: <None>

Min Conc: 0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	261.12	0.0013	P	20.4
2	☐	500.000	520.387	61756.47	0.3023	P	3.7
3	☐	5000.000	5161.837	610067.86	2.9876	P	3.4
4	☐	12500.000	13464.289	1583465.88	7.7910	A	2.0
5	☐	25000.000	26528.093	3123644.82	15.3490	A	1.8
6	☐	50000.000	51840.007	6051882.13	29.9932	A	2.0
7	☐	100000.00	104878.15	12243238.82	60.6783	A	2.2
8	☐	500000.00	498738.21	58291855.47	288.5450	A	1.1

$$y = 5.7855E-004 * x + 0.0013$$

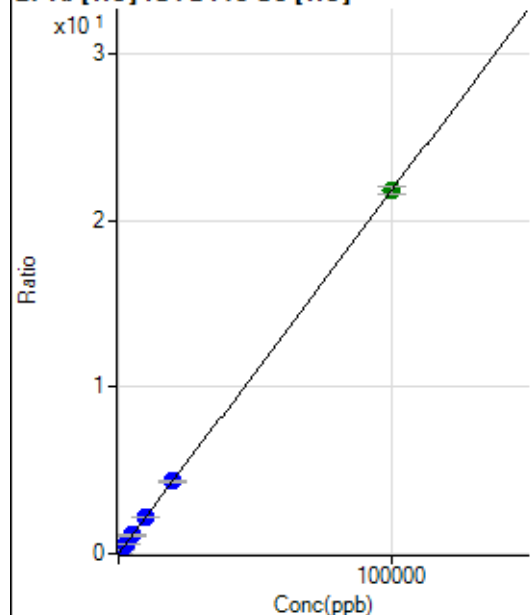
$$R = 0.9999$$

$$DL = 1.348$$

$$BEC = 2.205$$

Weight: <None>

Min Conc: 0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	71.66	0.0004	P	9.0
2	☐	20.000	20.682	991.58	0.0049	P	4.5
3	☐	1000.000	1000.557	44523.31	0.2180	P	2.8
4	☐	2500.000	2528.825	111888.39	0.5505	P	1.9
5	☐	5000.000	5055.141	223934.60	1.1001	P	2.4
6	☐	10000.000	9955.509	437086.77	2.1662	P	2.7
7	☐	20000.000	20083.577	881605.18	4.3697	P	2.6
8	☐	100000.00	99984.250	4394557.30	21.7527	A	2.0

$$y = 2.1756E-004 * x + 3.5064E-004$$

$$R = 1.0000$$

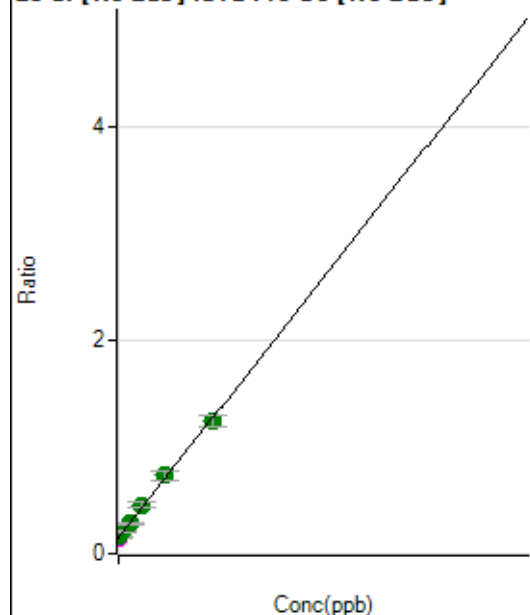
$$DL = 0.4371$$

$$BEC = 1.612$$

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	881506.82	0.1511	M	2.5
2	☐	10.000	5.133	915397.29	0.1568	A	1.3
3	☐	50.000	51.150	1206282.75	0.2079	A	3.7
4	☐	125.000	118.879	1678943.99	0.2831	A	5.0
5	☐	250.000	272.917	2599470.74	0.4542	A	10.4
6	☐	500.000	523.016	4320425.84	0.7319	A	12.6
7	☐	1000.000	983.519	7347367.61	1.2434	A	9.6
8	☐			1881463.54	0.3263	A	4.1

$$y = 0.0011 * x + 0.1511$$

$$R = 0.9992$$

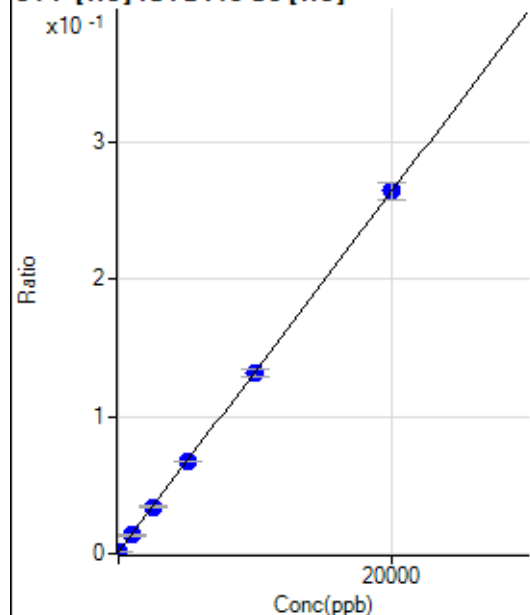
$$DL = 10.4$$

$$BEC = 136.1$$

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	-5.807	272.23	0.0013	P	17.6
2	☐	0.000	5.807	302.79	0.0015	P	12.9
3	☐	1000.000	934.377	2797.57	0.0137	P	7.2
4	☐	2500.000	2474.915	6899.06	0.0339	P	3.1
5	☐	5000.000	5016.602	13709.64	0.0674	P	1.5
6	☐	10000.000	9940.898	26655.69	0.1321	P	4.3
7	☐	20000.000	20031.817	53396.51	0.2648	P	5.1
8	☐			302.79	0.0015	P	1.1

$$y = 1.3147E-005 * x + 0.0014$$

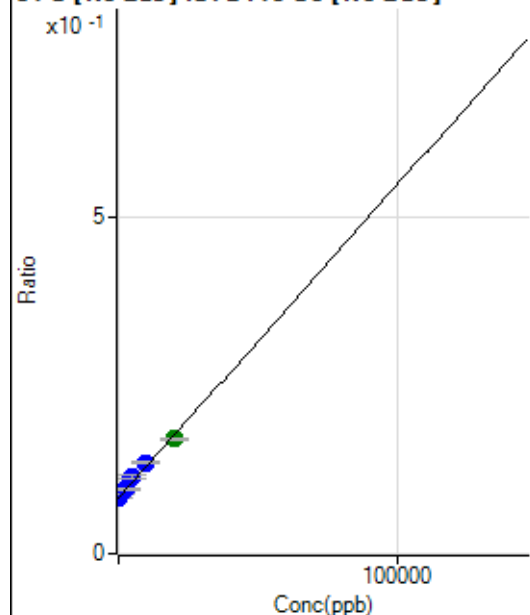
$$R = 1.0000$$

$$DL = 48.6$$

$$BEC = 107.1$$

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	-52.540	481442.00	0.0825	P	2.1
2	☐	0.000	52.540	484678.07	0.0830	P	0.8
3	☐	1000.000	1388.473	517656.43	0.0892	P	1.8
4	☐	2500.000	2961.158	572040.94	0.0965	P	2.6
5	☐	5000.000	6549.098	648426.66	0.1131	P	4.7
6	☐	10000.000	11310.391	799583.11	0.1352	P	2.8
7	☐	20000.000	18880.461	1007203.97	0.1703	A	1.5
8	☐			436869.43	0.0758	P	1.8

$$y = 4.6376E-006 * x + 0.0828$$

$$R = 0.9930$$

$$DL = 766.2$$

$$BEC = 1.785E+04$$

Weight: <None>

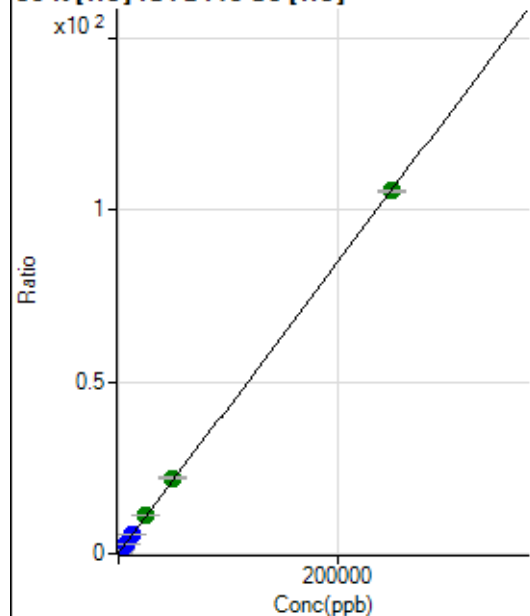
Min Conc: 0

35 Cl [No Gas] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			241960.62		P	0.5
2	☐			244778.62		P	0.8
3	☐			259572.80		P	0.8
4	☐			260605.86		P	0.6
5	☐			246329.91		P	0.9
6	☐			263027.94		P	0.4
7	☐			240638.55		P	0.4
8	☐			232882.79		P	0.3

35 Cl [He] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			1958.52		P	4.4
2	☐			1816.83		P	6.8
3	☐			1947.40		P	8.9
4	☐			1811.27		P	8.1
5	☐			1861.28		P	4.6
6	☐			1875.17		P	12.4
7	☐			1655.70		P	4.3
8	☐			1755.71		P	3.6

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	30276.80	0.1481	P	1.5
2	☐	500.000	488.754	72426.38	0.3544	P	1.8
3	☐	2500.000	2466.594	242899.57	1.1894	P	1.7
4	☐	6250.000	6263.234	567487.11	2.7922	P	1.7
5	☐	12500.000	12596.225	1112462.06	5.4657	P	2.4
6	☐	25000.000	25827.215	2229651.72	11.0512	A	2.1
7	☐	50000.000	51644.425	4429034.95	21.9502	A	2.8
8	☐	250000.00	249583.60	21314990.24	105.5118	A	0.7

$$y = 4.2216\text{E-}004 * x + 0.1481$$

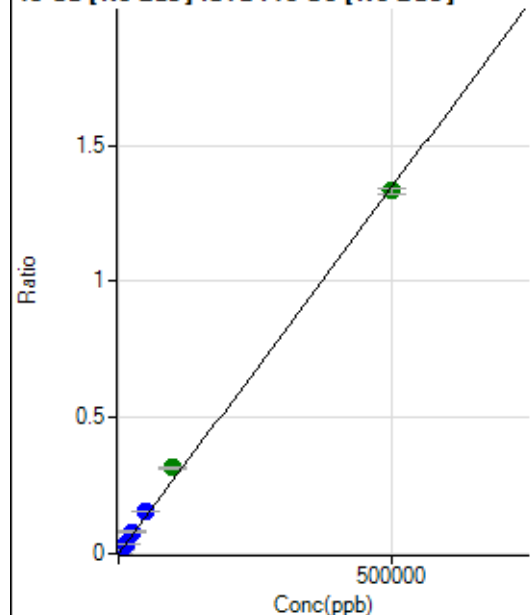
$$R = 1.0000$$

$$DL = 15.78$$

$$BEC = 350.8$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	192.06	0.0000	P	17.2
2	☐	500.000	527.928	8480.62	0.0015	P	2.2
3	☐	5000.000	5912.158	92451.91	0.0159	P	1.1
4	☐	12500.000	14294.682	228089.63	0.0385	P	1.3
5	☐	25000.000	29538.409	455140.23	0.0795	P	6.8
6	☐	50000.000	57133.894	908784.03	0.1537	P	2.2
7	☐	100000.00	117819.99	1873875.34	0.3169	A	2.0
8	☐	500000.00	495441.67	7683290.23	1.3324	A	1.6

$$y = 2.6893\text{E-}006 * x + 3.2977\text{E-}005$$

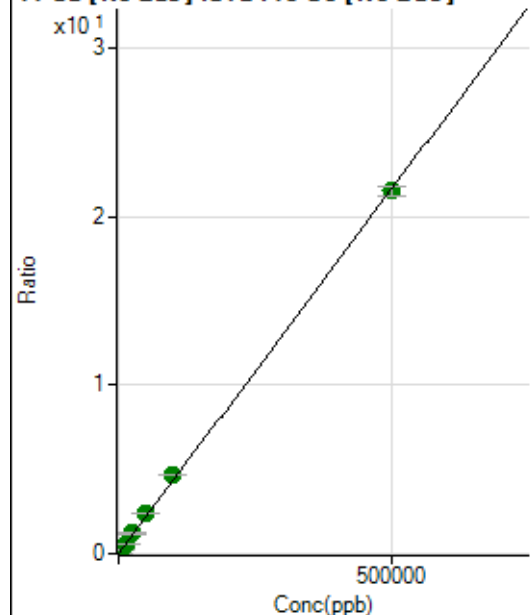
$$R = 0.9993$$

$$DL = 6.332$$

$$BEC = 12.26$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	20357.06	0.0035	P	2.0
2	☐	500.000	535.339	155700.82	0.0267	P	1.2
3	☐	5000.000	5717.660	1456913.28	0.2511	A	1.7
4	☐	12500.000	14035.960	3623753.47	0.6113	A	1.1
5	☐	25000.000	28438.897	7073381.31	1.2349	A	6.5
6	☐	50000.000	54682.129	14026502.75	2.3713	A	0.9
7	☐	100000.00	108148.17	27714216.81	4.6864	A	1.4
8	☐	500000.00	497684.59	124285587.0	21.5535	A	2.5

$$y = 4.3300\text{E-}005 * x + 0.0035$$

$$R = 0.9998$$

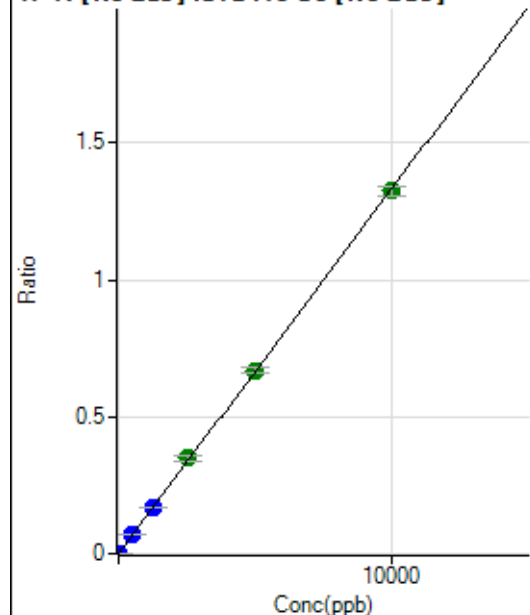
$$DL = 4.874$$

$$BEC = 80.59$$

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	194.45	0.0000	P	10.5
2	☐	5.000	5.339	4342.44	0.0007	P	8.2
3	☐	500.000	520.364	402189.82	0.0693	P	1.6
4	☐	1250.000	1257.604	992855.50	0.1675	P	0.6
5	☐	2500.000	2627.732	2004270.62	0.3499	A	6.2
6	☐	5000.000	5030.308	3960972.61	0.6697	A	2.6
7	☐	10000.000	9950.944	7834555.47	1.3249	A	2.4
8	☐			1180.64	0.0002	P	4.2

$$y = 1.3314\text{E-}004 * x + 3.3341\text{E-}005$$

$$R = 0.9999$$

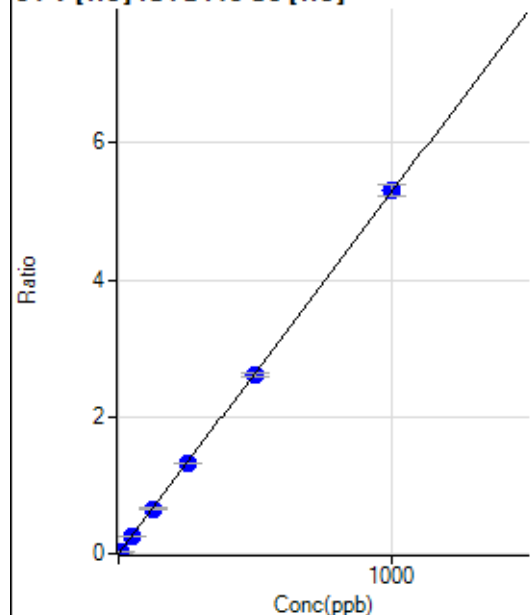
$$DL = 0.07856$$

$$BEC = 0.2504$$

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	15.55	0.0001	P	44.8
2	☐	5.000	5.093	5506.68	0.0270	P	4.0
3	☐	50.000	48.885	52714.57	0.2581	P	2.8
4	☐	125.000	123.352	132364.31	0.6513	P	2.8
5	☐	250.000	249.653	268277.06	1.3180	P	1.4
6	☐	500.000	493.833	525996.02	2.6071	P	1.9
7	☐	1000.000	1003.432	1068759.77	5.2973	P	3.2
8	☐			308.89	0.0015	P	17.6

$$y = 0.0053 * x + 7.6149\text{E-}005$$

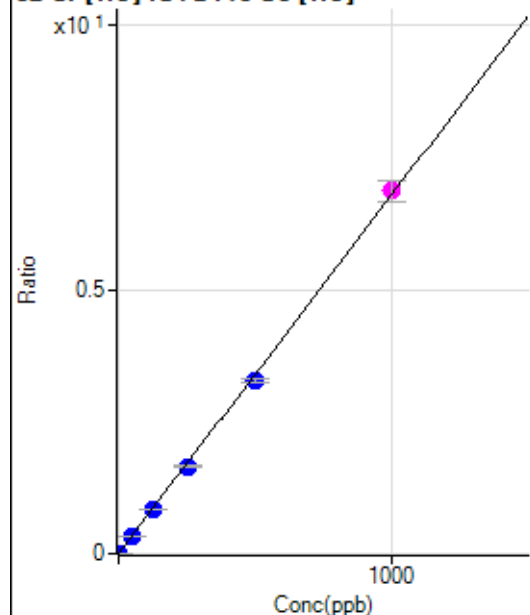
$$R = 1.0000$$

$$DL = 0.0194$$

$$BEC = 0.01442$$

Weight: <None>

Min Conc: 0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	610.02	0.0030	P	4.9
2	☐	2.000	1.980	3357.10	0.0164	P	1.7
3	☐	50.000	48.345	67650.22	0.3313	P	3.6
4	☐	125.000	121.737	168635.15	0.8297	P	1.9
5	☐	250.000	241.664	334622.83	1.6442	P	2.2
6	☐	500.000	481.918	660927.53	3.2758	P	2.8
7	☐	1000.000	1011.616	1386829.74	6.8731	M	5.8
8	☐			10710.78	0.0530	P	2.3

$$y = 0.0068 * x + 0.0030$$

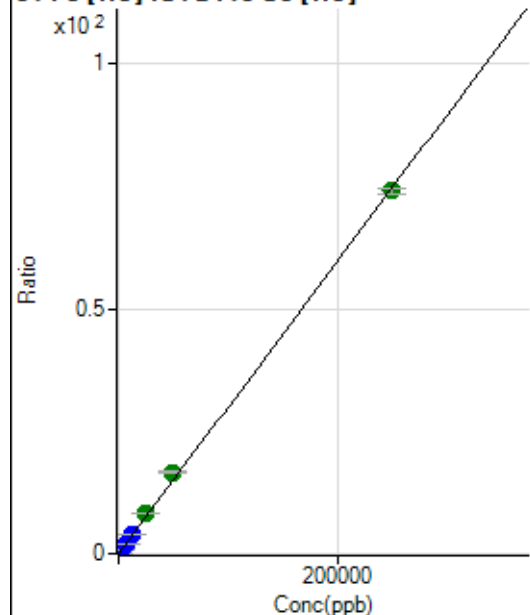
$$R = 0.9997$$

$$DL = 0.06494$$

$$BEC = 0.4394$$

Weight: <None>

Min Conc: 0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	701.88	0.0034	P	4.5
2	☐	50.000	54.503	4024.71	0.0197	P	7.2
3	☐	2500.000	2653.866	162295.84	0.7948	P	2.9
4	☐	6250.000	6699.705	406721.09	2.0012	P	2.3
5	☐	12500.000	13286.812	807094.48	3.9653	P	2.5
6	☐	25000.000	27497.761	1654872.58	8.2027	A	3.4
7	☐	50000.000	55904.387	3364203.61	16.6731	A	2.0
8	☐	250000.00	248517.22	14971476.38	74.1066	A	1.8

$$y = 2.9818E-004 * x + 0.0034$$

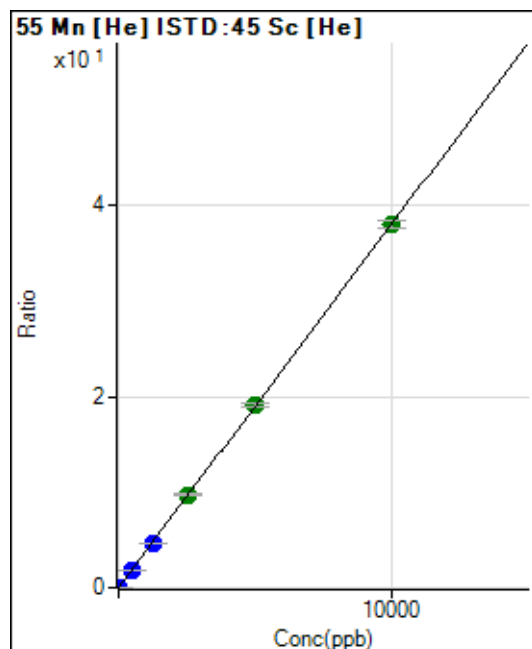
$$R = 0.9997$$

$$DL = 1.549$$

$$BEC = 11.51$$

Weight: <None>

Min Conc: 0



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	53.33	0.0003	P	15.7
2	☐	1.000	1.115	918.93	0.0045	P	1.5
3	☐	500.000	479.134	372018.47	1.8218	P	3.1
4	☐	1250.000	1213.842	937966.91	4.6150	P	1.9
5	☐	2500.000	2566.186	1985680.44	9.7563	A	2.3
6	☐	5000.000	5011.827	3844138.24	19.0541	A	2.3
7	☐	10000.000	9983.103	7657837.52	37.9537	A	2.1
8	☐			3601.60	0.0178	P	0.8

$$y = 0.0038 * x + 2.6063E-004$$

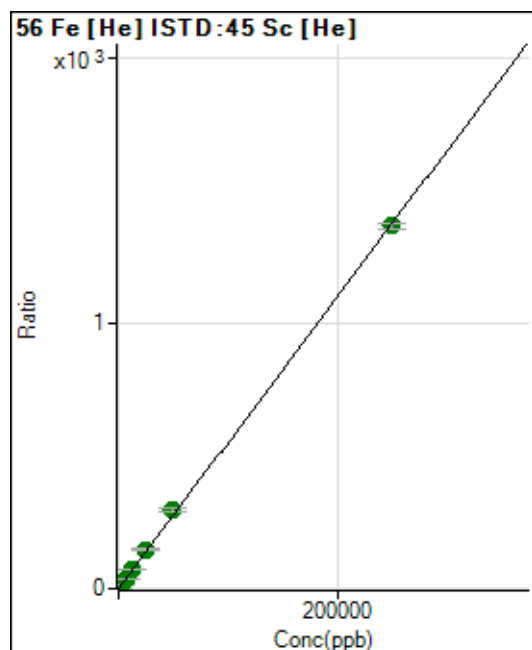
$$R = 1.0000$$

$$DL = 0.03221$$

$$BEC = 0.06855$$

Weight: <None>

Min Conc: 0



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	3961.73	0.0194	P	7.7
2	☐	50.000	51.800	62066.51	0.3038	P	2.7
3	☐	2500.000	2711.086	3043474.95	14.9049	A	3.7
4	☐	6250.000	6798.597	7590668.34	37.3478	A	2.3
5	☐	12500.000	13465.450	15051835.17	73.9529	A	1.8
6	☐	25000.000	26893.654	29793453.21	147.6819	A	2.8
7	☐	50000.000	54064.443	59903667.54	296.8660	A	3.4
8	☐	250000.00	248933.64	276129470.9	1,366.816	A	1.5

$$y = 0.0055 * x + 0.0194$$

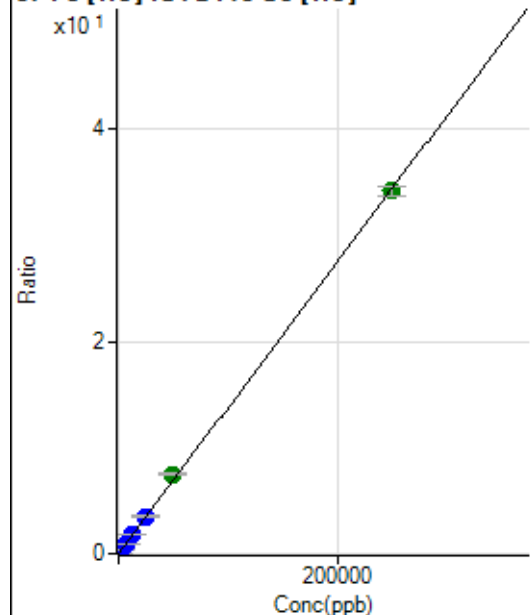
$$R = 0.9998$$

$$DL = 0.8206$$

$$BEC = 3.53$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	207.41	0.0010	P	31.1
2	☐	50.000	47.367	1535.30	0.0075	P	3.9
3	☐	2500.000	2555.912	71847.39	0.3518	P	2.4
4	☐	6250.000	6420.103	179301.17	0.8822	P	1.2
5	☐	12500.000	12902.429	360607.52	1.7719	P	3.7
6	☐	25000.000	25494.414	706187.96	3.5002	P	2.9
7	☐	50000.000	54683.623	1514598.62	7.5066	A	3.6
8	☐	250000.00	248988.90	6904226.71	34.1757	A	2.3

$$y = 1.3725\text{E-}004 * x + 0.0010$$

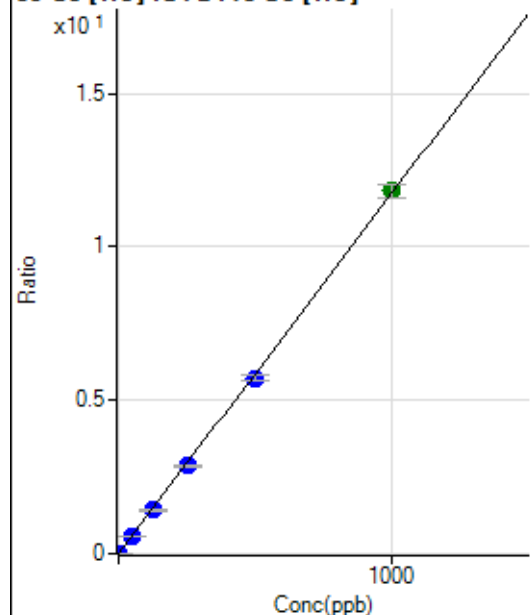
$$R = 0.9998$$

$$DL = 6.896$$

$$BEC = 7.387$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	97.78	0.0005	P	11.7
2	☐	1.000	1.014	2528.03	0.0124	P	3.2
3	☐	50.000	48.411	116076.80	0.5684	P	2.7
4	☐	125.000	121.136	288926.65	1.4216	P	2.2
5	☐	250.000	244.360	583584.54	2.8672	P	1.9
6	☐	500.000	488.278	1155844.63	5.7287	P	3.3
7	☐	1000.000	1007.833	2385637.13	11.8238	A	3.7
8	☐			2094.62	0.0104	P	2.8

$$y = 0.0117 * x + 4.7849\text{E-}004$$

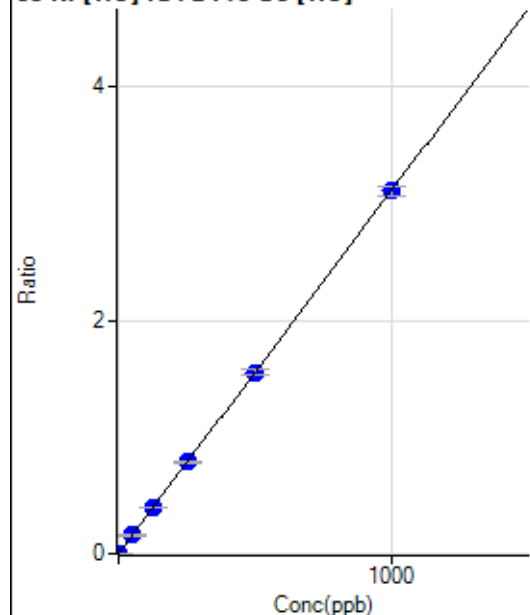
$$R = 0.9999$$

$$DL = 0.01433$$

$$BEC = 0.04079$$

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	111.11	0.0005	P	19.3
2	☐	1.000	0.969	727.80	0.0036	P	10.4
3	☐	50.000	50.793	32361.30	0.1585	P	2.9
4	☐	125.000	125.599	79481.93	0.3911	P	1.1
5	☐	250.000	253.742	160699.96	0.7895	P	2.2
6	☐	500.000	499.964	313759.19	1.5551	P	3.1
7	☐	1000.000	998.968	626741.46	3.1066	P	2.6
8	☐			1871.25	0.0093	P	5.6

$$y = 0.0031 * x + 5.4347E-004$$

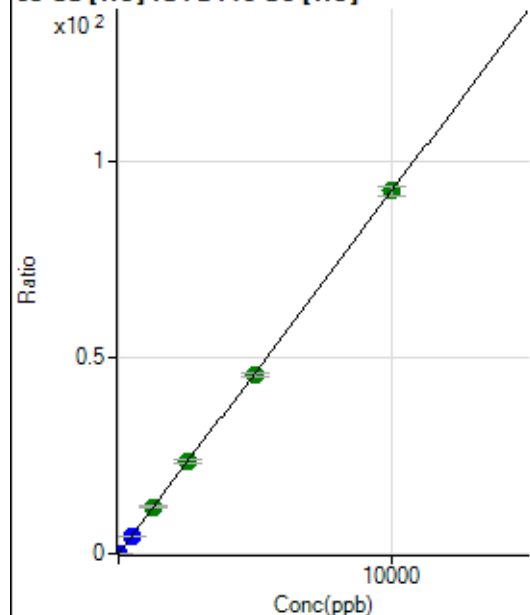
$$R = 1.0000$$

$$DL = 0.1014$$

$$BEC = 0.1748$$

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	796.70	0.0039	P	4.0
2	☐	2.000	2.079	4725.29	0.0231	P	1.8
3	☐	500.000	490.657	927601.32	4.5423	P	2.5
4	☐	1250.000	1290.479	2426788.19	11.9403	A	2.0
5	☐	2500.000	2546.714	4796318.09	23.5600	A	3.4
6	☐	5000.000	4947.792	9234212.92	45.7691	A	1.8
7	☐	10000.000	10009.832	18681832.22	92.5911	A	2.4
8	☐			3648.29	0.0181	P	1.9

$$y = 0.0092 * x + 0.0039$$

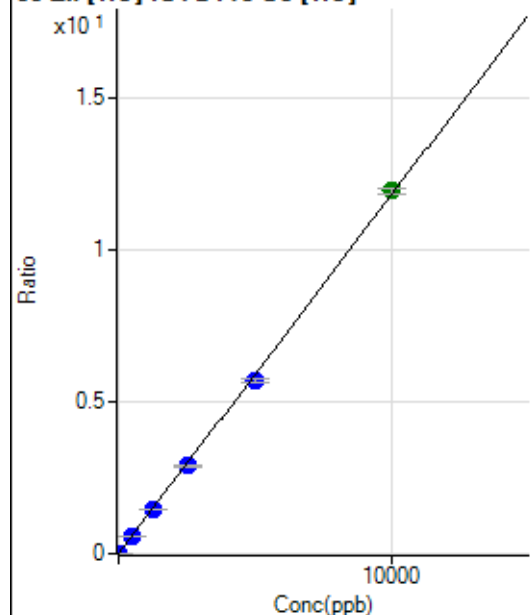
$$R = 1.0000$$

$$DL = 0.05107$$

$$BEC = 0.4214$$

Weight: <None>

Min Conc: 0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	141.11	0.0007	P	13.8
2	☐	2.000	2.134	655.58	0.0032	P	6.3
3	☐	500.000	485.499	117229.74	0.5741	P	3.1
4	☐	1250.000	1239.724	297726.64	1.4649	P	1.8
5	☐	2500.000	2444.587	587822.77	2.8879	P	1.7
6	☐	5000.000	4817.495	1148105.91	5.6904	P	2.1
7	☐	10000.000	10107.115	2408565.36	11.9378	A	1.5
8	☐			10030.31	0.0496	P	3.6

$$y = 0.0012 * x + 6.9070E-004$$

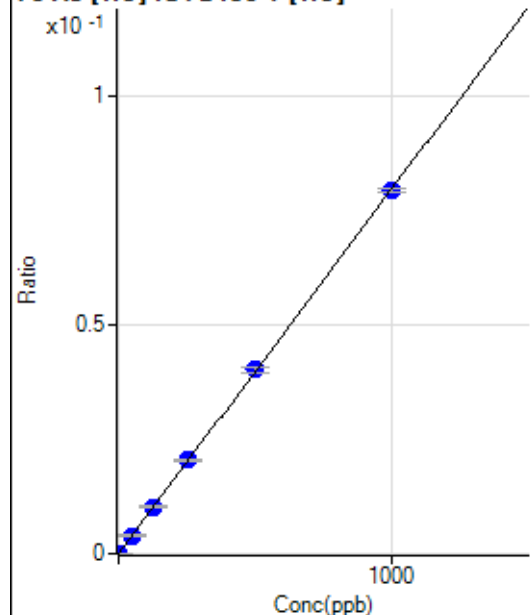
$$R = 0.9997$$

$$DL = 0.2423$$

$$BEC = 0.5848$$

Weight: <None>

Min Conc: 0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	3.67	0.0000	P	30.1
2	☐	1.000	1.062	146.35	0.0001	P	6.9
3	☐	50.000	49.967	6760.30	0.0040	P	5.1
4	☐	125.000	128.149	17065.32	0.0102	P	1.9
5	☐	250.000	256.596	33986.08	0.0204	P	3.5
6	☐	500.000	504.490	67510.81	0.0402	P	2.6
7	☐	1000.000	995.714	137040.78	0.0793	P	0.9
8	☐			32.67	0.0000	P	7.4

$$y = 7.9602E-005 * x + 2.2202E-006$$

$$R = 1.0000$$

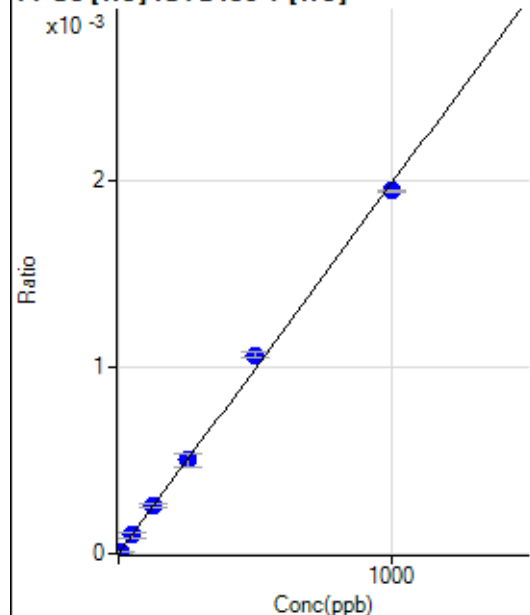
$$DL = 0.0252$$

$$BEC = 0.02789$$

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	2.22	0.0000	P	86.6
2	☐	5.000	3.962	15.56	0.0000	P	13.0
3	☐	50.000	49.150	168.89	0.0001	P	23.5
4	☐	125.000	130.471	435.57	0.0003	P	8.7
5	☐	250.000	251.900	834.48	0.0005	P	14.4
6	☐	500.000	537.333	1795.69	0.0011	P	2.4
7	☐	1000.000	980.222	3367.10	0.0019	P	0.5
8	☐			2.22	0.0000	P	86.6

$$y = 1.9854\text{E-}006 * x + 1.3574\text{E-}006$$

$$R = 0.9989$$

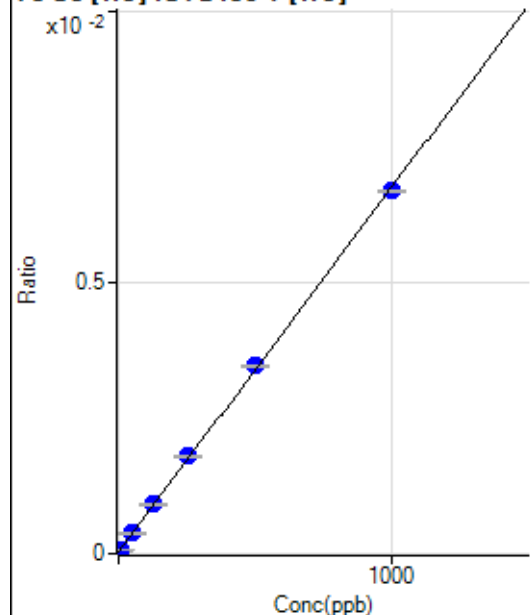
$$DL = 1.776$$

$$BEC = 0.6837$$

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	57.34	0.0000	P	6.9
2	☐	5.000	5.224	118.01	0.0001	P	2.2
3	☐	50.000	50.856	640.08	0.0004	P	5.0
4	☐	125.000	130.658	1526.58	0.0009	P	2.1
5	☐	250.000	263.684	3006.30	0.0018	P	2.1
6	☐	500.000	510.182	5821.80	0.0035	P	0.8
7	☐	1000.000	990.737	11570.59	0.0067	P	0.6
8	☐			65.68	0.0000	P	9.3

$$y = 6.7197\text{E-}006 * x + 3.4828\text{E-}005$$

$$R = 0.9998$$

$$DL = 1.069$$

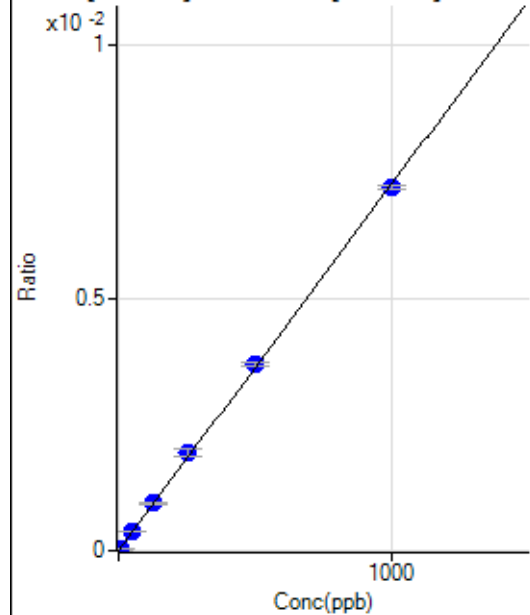
$$BEC = 5.183$$

Weight: <None>

Min Conc: 0

81 Br [No Gas] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			30962.78		P	2.3
2	☐			29251.05		P	1.9
3	☐			30344.75		P	3.9
4	☐			30612.18		P	2.2
5	☐			29852.06		P	1.7
6	☐			30667.74		P	2.2
7	☐			30450.58		P	2.1
8	☐			29696.09		P	3.8

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	19.58	0.0000	P	299.
2	☐	5.000	5.704	577.04	0.0000	P	9.8
3	☐	50.000	53.398	5183.79	0.0004	P	2.4
4	☐	125.000	129.018	12966.35	0.0009	P	1.5
5	☐	250.000	267.075	25667.90	0.0019	P	8.3
6	☐	500.000	509.656	51032.00	0.0037	P	2.7
7	☐	1000.000	990.228	101103.80	0.0072	P	1.0
8	☐			93.74	0.0000	P	21.0

$$y = 7.2528\text{E-}006 * x + 1.4133\text{E-}006$$

$$R = 0.9998$$

$$DL = 1.751$$

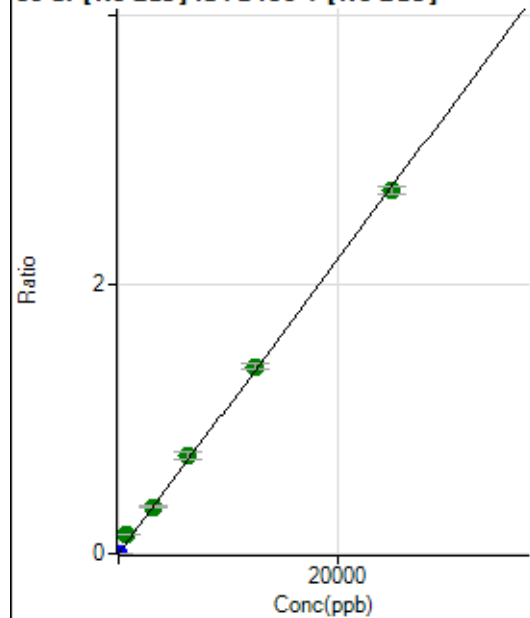
$$BEC = 0.1949$$

Weight: <None>

Min Conc: 0

83 Kr [No Gas] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			334.96		P	9.1
2	☐			327.88		P	4.5
3	☐			359.13		P	3.2
4	☐			329.55		P	4.9
5	☐			354.96		P	5.5
6	☐			343.71		P	5.4
7	☐			362.04		P	6.6
8	☐			349.96		P	2.2

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	594.47	0.0000	P	20.4
2	☐	1.000	0.979	2027.98	0.0002	P	12.1
3	☐	625.000	1339.748	1945882.90	0.1459	A	3.2
4	☐	3125.000	3186.907	4801173.72	0.3471	A	3.0
5	☐	6250.000	6699.560	9662859.42	0.7295	A	7.6
6	☐	12500.000	12763.200	19176202.51	1.3898	A	3.7
7	☐	25000.000	24730.403	37901888.35	2.6929	A	1.9
8	☐			10140.08	0.0008	P	4.4

$$y = 1.0889E-004 * x + 4.3793E-005$$

$$R = 0.9995$$

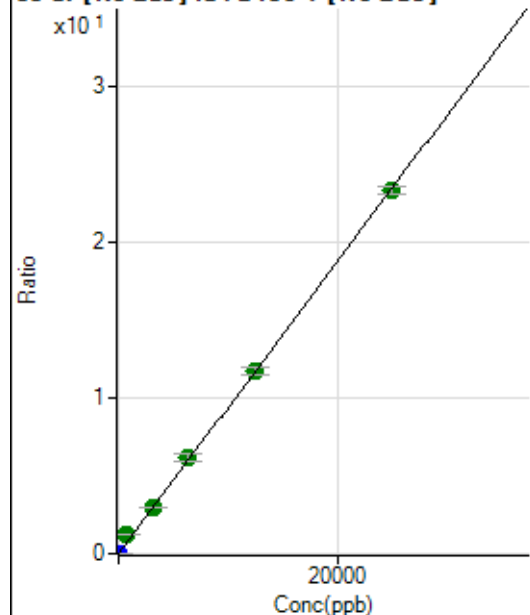
$$DL = 0.2459$$

$$BEC = 0.4022$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	430.58	0.0000	P	71.1
2	☐	1.000	1.057	13784.96	0.0010	P	4.3
3	☐	625.000	1307.627	16325065.47	1.2240	A	2.4
4	☐	3125.000	3158.288	40900019.67	2.9563	A	2.2
5	☐	6250.000	6609.561	81986958.08	6.1868	A	6.7
6	☐	12500.000	12529.064	161790414.7	11.7276	A	4.4
7	☐	25000.000	24874.351	327690168.4	23.2832	A	2.1
8	☐			81269.87	0.0060	P	4.0

$$y = 9.3603\text{E-}004 * x + 3.1823\text{E-}005$$

$$R = 0.9996$$

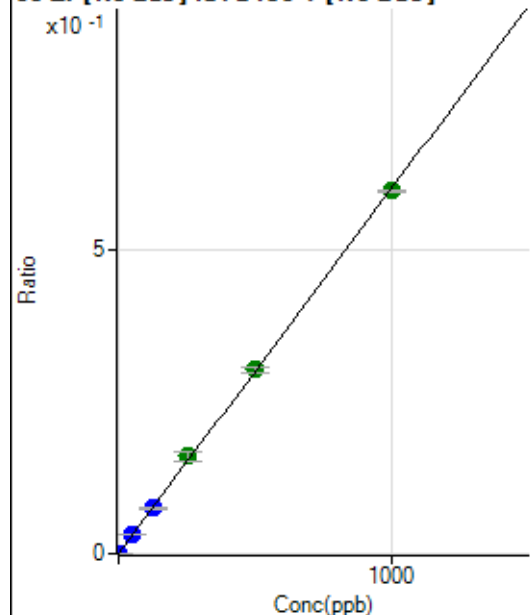
$$DL = 0.07247$$

$$BEC = 0.034$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	547.25	0.0000	P	5.9
2	☐	1.000	0.998	8639.02	0.0006	P	3.9
3	☐	50.000	51.606	414263.78	0.0311	P	2.4
4	☐	125.000	123.978	1031756.97	0.0746	P	1.1
5	☐	250.000	266.181	2119499.68	0.1600	A	8.9
6	☐	500.000	504.737	4187606.69	0.3035	A	2.9
7	☐	1000.000	993.634	8408092.03	0.5973	A	0.8
8	☐			1947.43	0.0001	P	3.8

$$y = 6.0113\text{E-}004 * x + 4.0280\text{E-}005$$

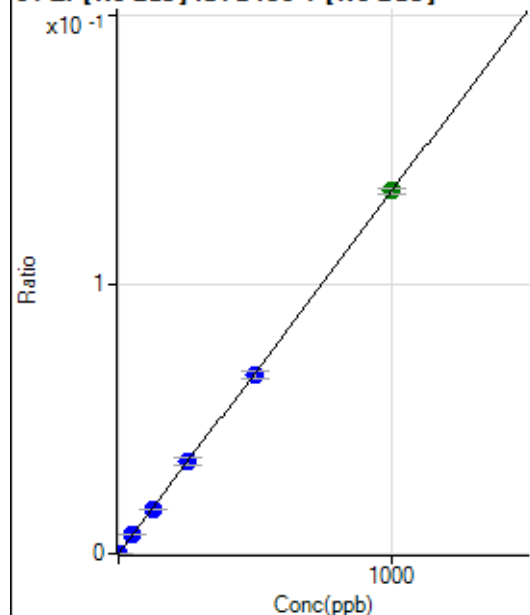
$$R = 0.9998$$

$$DL = 0.01195$$

$$BEC = 0.06701$$

Weight: <None>

Min Conc: 0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	133.34	0.0000	P	9.8
2	☐	1.000	1.004	1955.75	0.0001	P	5.4
3	☐	50.000	51.799	93032.93	0.0070	P	1.4
4	☐	125.000	122.770	228547.09	0.0165	P	1.3
5	☐	250.000	256.359	456583.24	0.0345	P	8.3
6	☐	500.000	494.000	916552.89	0.0664	P	4.1
7	☐	1000.000	1001.599	1895694.66	0.1347	A	1.3
8	☐			425.02	0.0000	P	10.3

$$y = 1.3446\text{E-}004 * x + 9.8041\text{E-}006$$

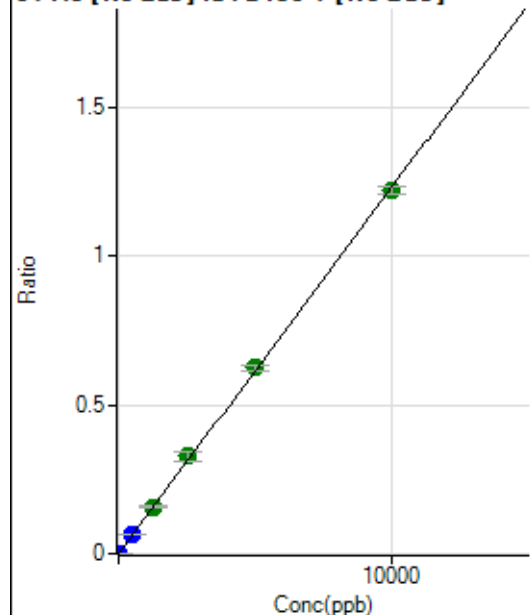
$$R = 0.9999$$

$$DL = 0.02151$$

$$BEC = 0.07291$$

Weight: <None>

Min Conc: 0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	133.34	0.0000	P	26.1
2	☐	5.000	5.754	9681.38	0.0007	P	2.6
3	☐	500.000	527.577	865324.26	0.0649	P	1.6
4	☐	1250.000	1276.379	2171130.61	0.1569	A	3.2
5	☐	2500.000	2658.374	4328550.53	0.3269	A	8.6
6	☐	5000.000	5084.139	8625866.86	0.6251	A	3.4
7	☐	10000.000	9913.660	17155556.98	1.2189	A	2.0
8	☐			3494.97	0.0003	P	8.4

$$y = 1.2295\text{E-}004 * x + 9.8297\text{E-}006$$

$$R = 0.9998$$

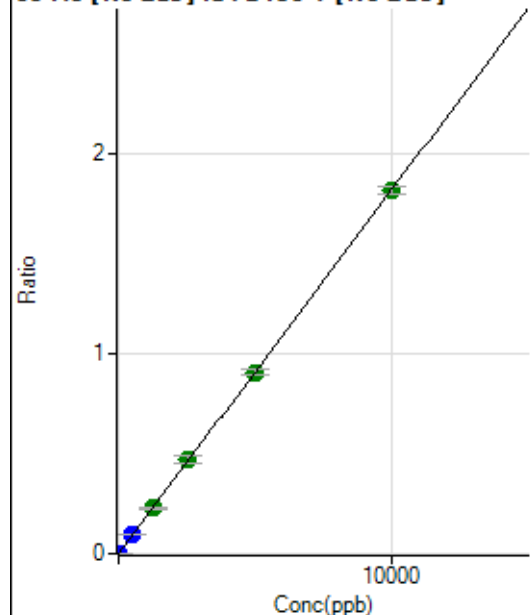
$$DL = 0.06263$$

$$BEC = 0.07995$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	19.45	0.0000	P	25.9
2	☐	5.000	5.059	12433.68	0.0009	P	1.2
3	☐	500.000	519.198	1258233.13	0.0944	P	3.1
4	☐	1250.000	1252.178	3148146.34	0.2276	A	2.8
5	☐	2500.000	2601.891	6260892.28	0.4729	A	9.0
6	☐	5000.000	4994.029	12524571.81	0.9076	A	2.9
7	☐	10000.000	9976.280	25515840.67	1.8130	A	2.0
8	☐			4450.85	0.0003	P	4.5

$$y = 1.8173E-004 * x + 1.4333E-006$$

$$R = 0.9999$$

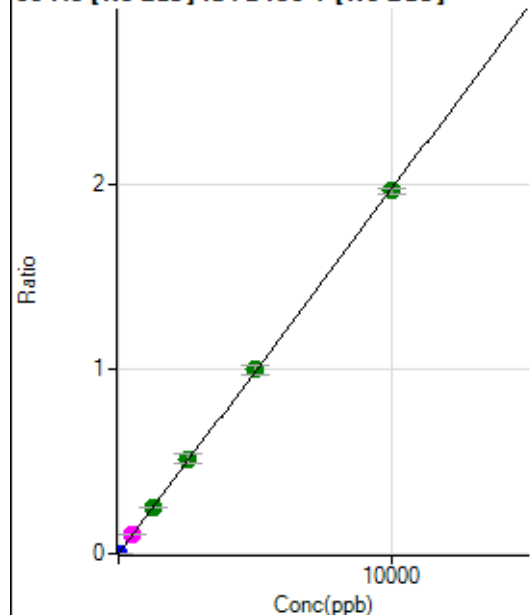
$$DL = 0.006122$$

$$BEC = 0.007887$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	63.89	0.0000	P	44.9
2	☐	5.000	5.015	13448.47	0.0010	P	2.1
3	☐	500.000	523.754	1380858.97	0.1036	M	4.1
4	☐	1250.000	1258.265	3442056.11	0.2488	A	2.4
5	☐	2500.000	2606.713	6823226.19	0.5154	A	8.9
6	☐	5000.000	5038.614	13744820.62	0.9963	A	4.3
7	☐	10000.000	9951.794	27695767.28	1.9678	A	1.4
8	☐			9286.76	0.0007	P	4.1

$$y = 1.9773E-004 * x + 4.6844E-006$$

$$R = 0.9999$$

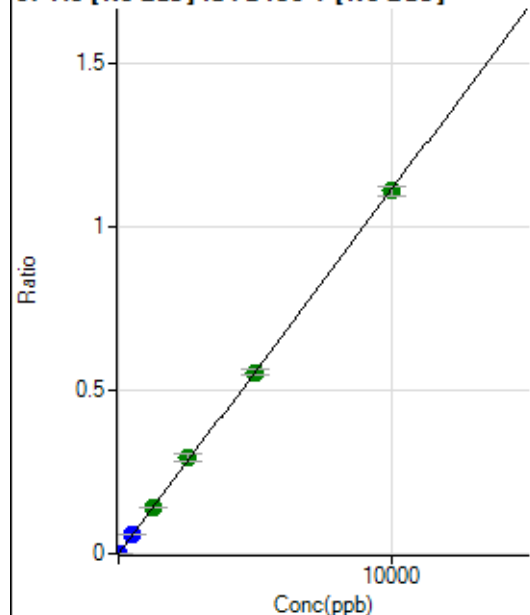
$$DL = 0.0319$$

$$BEC = 0.02369$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	25.00	0.0000	P	57.6
2	☐	5.000	5.027	7582.82	0.0006	P	1.9
3	☐	500.000	524.262	778377.75	0.0584	P	3.4
4	☐	1250.000	1267.078	1951931.88	0.1411	A	2.9
5	☐	2500.000	2649.374	3905369.97	0.2950	A	8.7
6	☐	5000.000	4986.167	7661779.77	0.5552	A	2.8
7	☐	10000.000	9966.225	15616427.26	1.1097	A	2.5
8	☐			3200.48	0.0002	P	8.5

$$y = 1.1134\text{E-}004 * x + 1.8392\text{E-}006$$

$$R = 0.9999$$

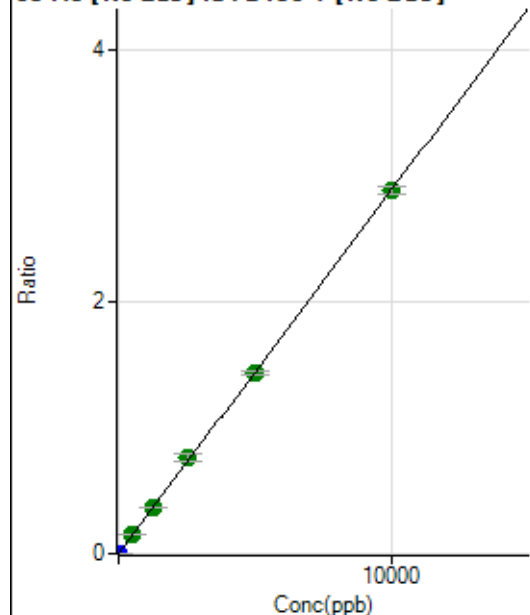
$$DL = 0.02857$$

$$BEC = 0.01652$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	41.67	0.0000	P	19.5
2	☐	5.000	4.961	19358.42	0.0014	P	1.1
3	☐	500.000	526.396	2024614.26	0.1518	A	3.3
4	☐	1250.000	1273.236	5080905.41	0.3672	A	1.8
5	☐	2500.000	2651.453	10130156.39	0.7647	A	7.4
6	☐	5000.000	4962.823	19755484.47	1.4314	A	2.3
7	☐	10000.000	9976.501	40496752.99	2.8775	A	1.9
8	☐			7457.80	0.0006	P	12.2

$$y = 2.8843\text{E-}004 * x + 3.0632\text{E-}006$$

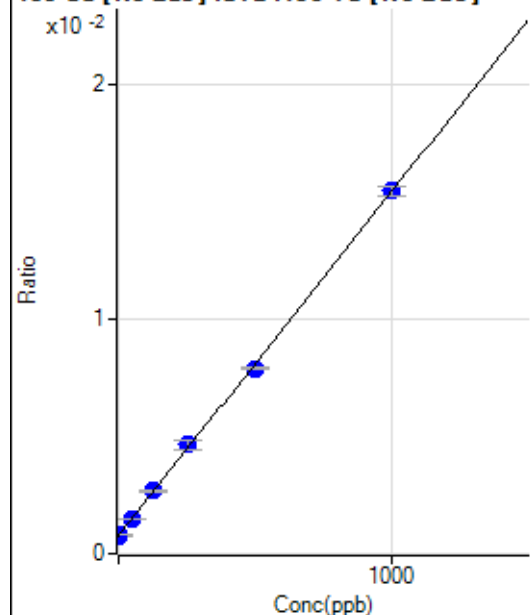
$$R = 0.9999$$

$$DL = 0.006216$$

$$BEC = 0.01062$$

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	6612.87	0.0008	P	3.6
2	☐	1.000	1.178	6735.15	0.0008	P	3.6
3	☐	50.000	48.813	12692.24	0.0015	P	2.0
4	☐	125.000	130.307	23200.75	0.0027	P	3.6
5	☐	250.000	265.273	39390.68	0.0047	P	8.5
6	☐	500.000	486.492	69771.66	0.0079	P	1.7
7	☐	1000.000	1002.332	137417.19	0.0154	P	2.8
8	☐			6196.00	0.0007	P	0.8

$$y = 1.4626\text{E-}005 * x + 7.7726\text{E-}004$$

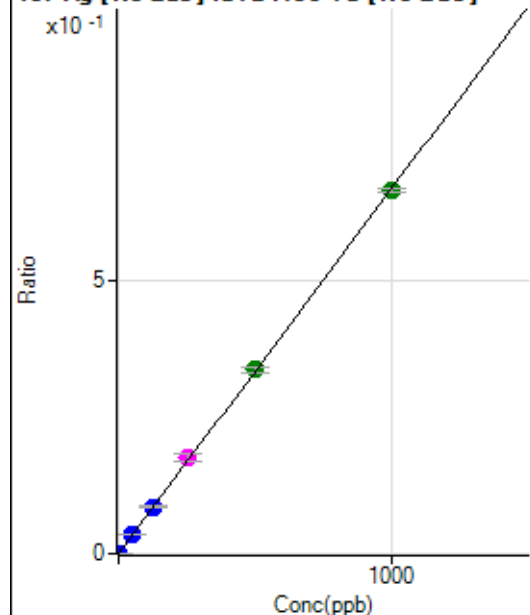
$$R = 0.9997$$

$$DL = 5.774$$

$$BEC = 53.14$$

Weight: <None>

Min Conc: 0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	130.56	0.0000	P	28.8
2	☐	1.000	1.076	6243.28	0.0007	P	8.0
3	☐	50.000	52.341	298239.46	0.0350	P	1.1
4	☐	125.000	128.900	746128.54	0.0863	P	2.2
5	☐	250.000	263.255	1490165.47	0.1762	M	8.2
6	☐	500.000	503.805	2980081.27	0.3372	A	3.5
7	☐	1000.000	994.179	5924808.51	0.6654	A	1.2
8	☐			2108.56	0.0002	P	6.1

$$y = 6.6927\text{E-}004 * x + 1.5351\text{E-}005$$

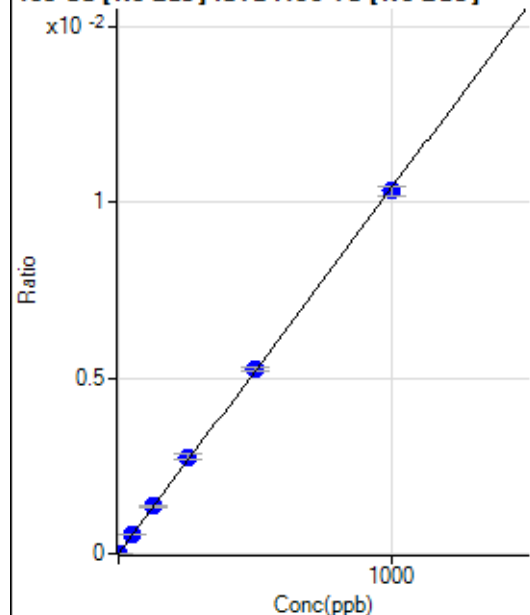
$$R = 0.9999$$

$$DL = 0.01985$$

$$BEC = 0.02294$$

Weight: <None>

Min Conc: 0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	31.95	0.0000	P	15.8
2	☐	1.000	0.974	118.06	0.0000	P	21.9
3	☐	50.000	53.177	4741.15	0.0006	P	3.1
4	☐	125.000	128.639	11609.16	0.0013	P	2.2
5	☐	250.000	265.110	23376.95	0.0028	P	6.9
6	☐	500.000	506.447	46619.03	0.0053	P	2.3
7	☐	1000.000	992.386	91966.96	0.0103	P	2.7
8	☐			76.39	0.0000	P	16.2

$$y = 1.0407\text{E-}005 * x + 3.7574\text{E-}006$$

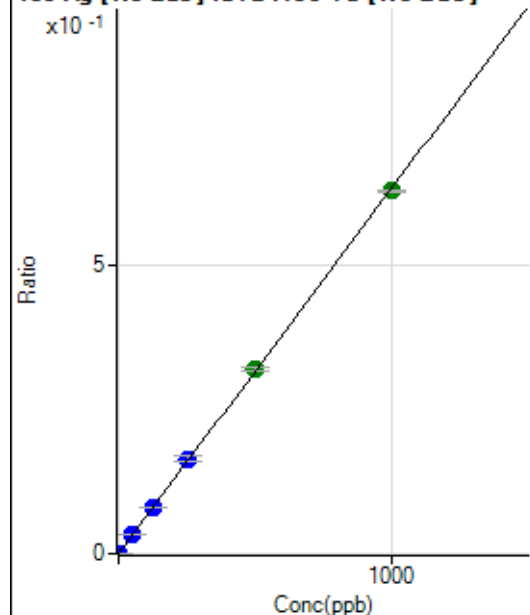
$$R = 0.9998$$

$$DL = 0.1706$$

$$BEC = 0.3611$$

Weight: <None>

Min Conc: 0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	55.56	0.0000	P	60.2
2	☐	1.000	1.073	5826.38	0.0007	P	4.2
3	☐	50.000	53.065	286611.27	0.0337	P	1.2
4	☐	125.000	127.239	698289.51	0.0808	P	2.3
5	☐	250.000	260.436	1398118.88	0.1653	P	7.5
6	☐	500.000	506.437	2840847.11	0.3214	A	2.5
7	☐	1000.000	993.739	5615390.01	0.6306	A	0.2
8	☐			2033.53	0.0002	P	4.1

$$y = 6.3461\text{E-}004 * x + 6.5241\text{E-}006$$

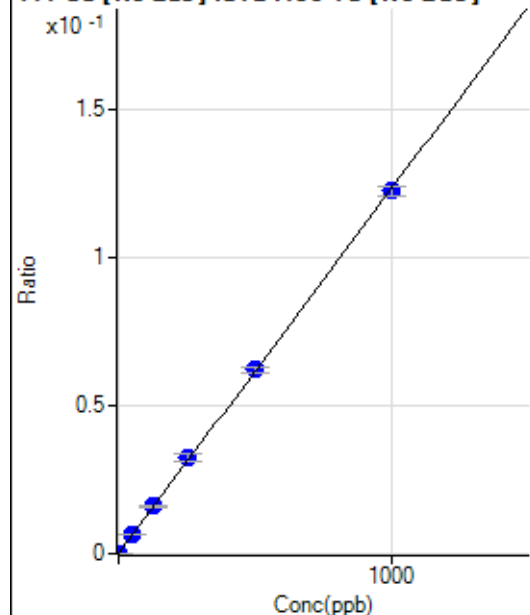
$$R = 0.9999$$

$$DL = 0.01857$$

$$BEC = 0.01028$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	658.37	0.0001	P	5.1
2	☐	1.000	1.172	1877.06	0.0002	P	5.5
3	☐	50.000	53.060	56199.58	0.0066	P	1.0
4	☐	125.000	129.664	138582.84	0.0160	P	2.4
5	☐	250.000	264.227	275674.87	0.0326	P	7.1
6	☐	500.000	503.562	548179.49	0.0620	P	2.5
7	☐	1000.000	993.926	1088907.93	0.1223	P	2.8
8	☐			950.86	0.0001	P	3.4

$$y = 1.2300\text{E-}004 * x + 7.7381\text{E-}005$$

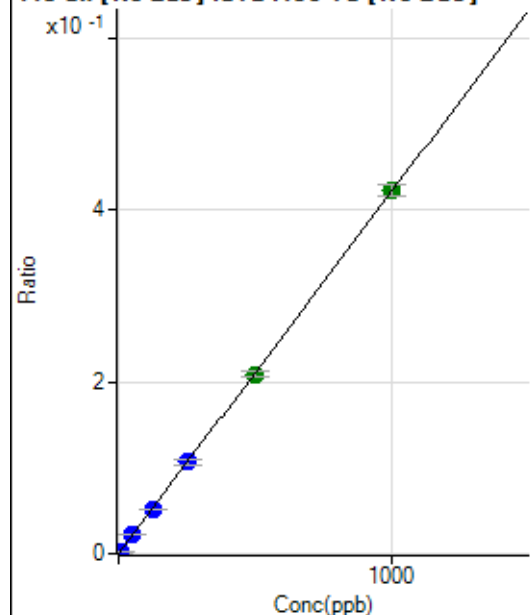
$$R = 0.9999$$

$$DL = 0.09541$$

$$BEC = 0.6291$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	633.37	0.0001	P	6.7
2	☐	5.000	5.048	18679.87	0.0022	P	1.8
3	☐	50.000	51.140	184188.35	0.0216	P	0.9
4	☐	125.000	123.120	449691.22	0.0520	P	1.4
5	☐	250.000	253.266	904306.88	0.1069	P	7.2
6	☐	500.000	494.489	1843908.37	0.2086	A	3.1
7	☐	1000.000	1002.117	3763242.44	0.4227	A	3.1
8	☐			1811.28	0.0002	P	1.3

$$y = 4.2176\text{E-}004 * x + 7.4450\text{E-}005$$

$$R = 1.0000$$

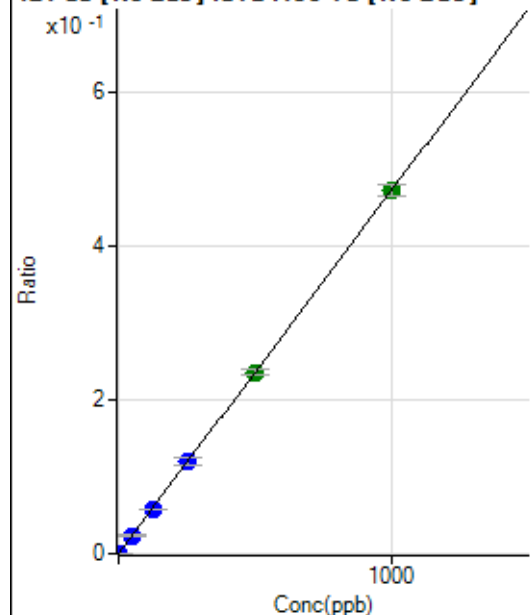
$$DL = 0.03558$$

$$BEC = 0.1765$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	50.00	0.0000	P	50.6
2	☐	2.000	2.048	8241.59	0.0010	P	0.7
3	☐	50.000	50.030	200863.26	0.0236	P	1.1
4	☐	125.000	121.635	496163.46	0.0574	P	2.7
5	☐	250.000	255.681	1020208.61	0.1206	P	7.9
6	☐	500.000	500.242	2085395.71	0.2360	A	3.6
7	☐	1000.000	998.878	4194216.72	0.4712	A	3.1
8	☐			2091.89	0.0002	P	17.5

$$y = 4.7170\text{E-}004 * x + 5.8893\text{E-}006$$

$$R = 1.0000$$

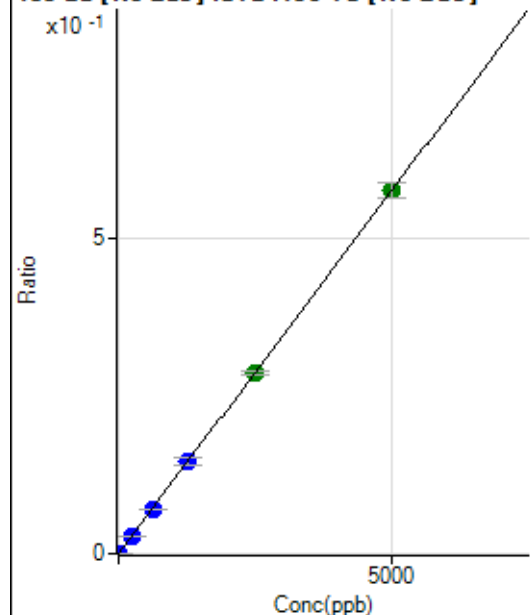
$$DL = 0.01895$$

$$BEC = 0.01249$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	11.11	0.0000	P	43.1
2	☐	10.000	9.922	9717.70	0.0011	P	0.4
3	☐	250.000	251.019	246471.55	0.0290	P	0.6
4	☐	625.000	605.842	604460.22	0.0699	P	2.1
5	☐	1250.000	1269.941	1238962.37	0.1465	P	8.8
6	☐	2500.000	2493.839	2543178.16	0.2877	A	2.9
7	☐	5000.000	5000.439	5136211.22	0.5769	A	4.2
8	☐			2980.96	0.0003	P	6.8

$$y = 1.1538\text{E-}004 * x + 1.3051\text{E-}006$$

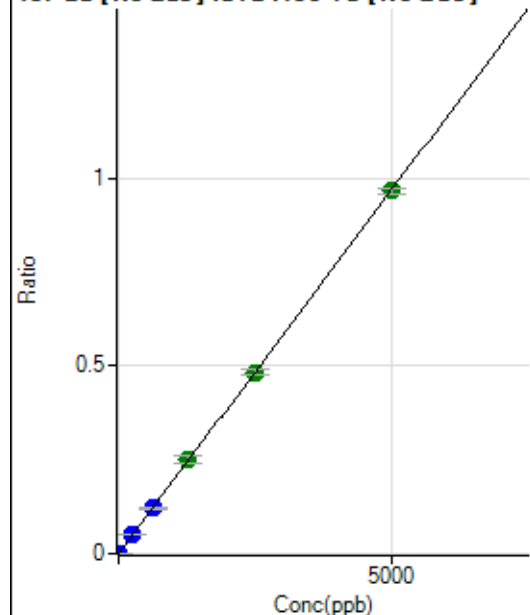
$$R = 1.0000$$

$$DL = 0.01463$$

$$BEC = 0.01131$$

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	25.00	0.0000	P	33.1
2	☐	10.000	10.362	17041.70	0.0020	P	1.7
3	☐	250.000	258.077	425304.97	0.0500	P	0.9
4	☐	625.000	622.861	1043107.54	0.1206	P	1.5
5	☐	1250.000	1307.781	2141968.15	0.2533	A	8.1
6	☐	2500.000	2494.013	4268812.38	0.4830	A	2.9
7	☐	5000.000	4988.411	8600968.94	0.9660	A	1.8
8	☐			5112.22	0.0006	P	4.0

$$y = 1.9365E-004 * x + 2.9376E-006$$

$$R = 0.9999$$

$$DL = 0.01505$$

$$BEC = 0.01517$$

Weight: <None>

Min Conc: 0

150 Nd [No Gas] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			2.22		P	173.
2	☐			15.56		P	89.2
3	☐			31.11		P	61.9
4	☐			106.67		P	28.6
5	☐			184.45		P	7.5
6	☐			275.57		P	9.8
7	☐			571.13		P	2.4
8	☐			35.55		P	10.8

150 Nd [He] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			3.33		P	100.
2	☐			1.11		P	173.
3	☐			3.33		P	100.
4	☐			2.22		P	173.
5	☐			10.00		P	33.3
6	☐			12.22		P	15.7
7	☐			38.89		P	30.1
8	☐			16.67		P	91.7

156 Dy [No Gas] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			5.55		P	86.6
2	☐			13.89		P	69.3
3	☐			19.45		P	24.7
4	☐			38.89		P	81.1
5	☐			91.67		P	31.5
6	☐			141.67		P	25.6
7	☐			302.79		P	8.4
8	☐			866.72		P	2.5

156 Dy [He] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			4.44		P	114.
2	☐			5.55		P	69.3
3	☐			8.89		P	57.3
4	☐			13.33		P	50.0
5	☐			24.44		P	20.8
6	☐			66.67		P	44.4
7	☐			121.11		P	29.2
8	☐			422.23		P	1.6

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			150.00		P	33.8
2	☐			94.45		P	20.4
3	☐			113.89		P	27.7
4	☐			119.45		P	26.4
5	☐			177.78		P	19.5
6	☐			233.34		P	10.7
7	☐			375.02		P	27.3
8	☐			1008.40		P	17.6

160 Gd [He] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			144.45		P	9.6
2	☐			137.78		P	3.7
3	☐			144.45		P	25.5
4	☐			131.11		P	20.7
5	☐			156.67		P	13.3
6	☐			181.12		P	9.3
7	☐			205.56		P	7.3
8	☐			604.47		P	4.7

164 Er [No Gas] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			52.78		P	9.1
2	☐			75.00		P	33.3
3	☐			63.89		P	41.9
4	☐			50.00		P	60.1
5	☐			75.00		P	33.3
6	☐			75.00		P	61.9
7	☐			72.22		P	46.6
8	☐			94.45		P	22.2

164 Er [He] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			32.22		P	26.0
2	☐			25.56		P	19.9
3	☐			28.89		P	63.5
4	☐			27.78		P	30.2
5	☐			22.22		P	17.3
6	☐			38.89		P	24.7
7	☐			36.67		P	24.1
8	☐			53.33		P	39.0

172 Yb [No Gas] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			55.56		P	43.3
2	☐			55.56		P	17.3
3	☐			61.11		P	28.4
4	☐			75.00		P	38.5
5	☐			66.67		P	37.5
6	☐			97.22		P	49.5
7	☐			127.78		P	46.3
8	☐			394.46		P	4.9

172 Yb [He] No available calibration points

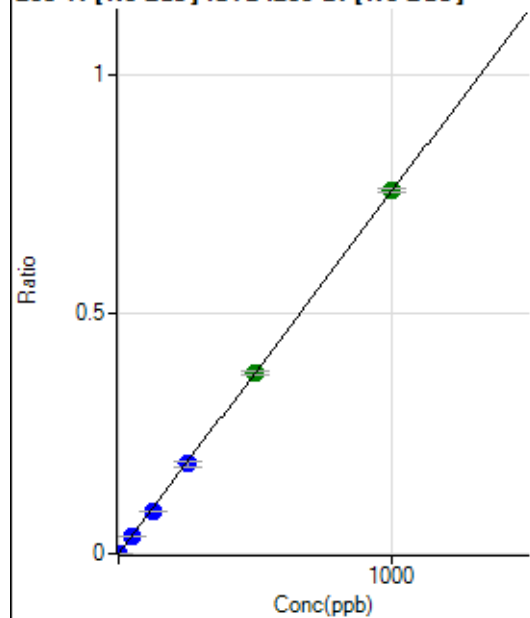
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			31.48		P	44.4
2	☐			35.19		P	24.1
3	☐			33.33		P	33.3
4	☐			46.30		P	30.2
5	☐			27.78		P	20.0
6	☐			35.19		P	55.5
7	☐			62.97		P	10.2
8	☐			190.75		P	23.7

176 Yb [No Gas] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			1894.63		P	5.3
2	☐			2041.89		P	2.3
3	☐			2669.80		P	10.7
4	☐			3836.78		P	7.7
5	☐			5907.03		P	1.4
6	☐			9442.55		P	2.2
7	☐			17606.64		P	3.5
8	☐			2036.33		P	3.3

176 Yb [He] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			8560.34		P	2.2
2	☐			8582.59		P	6.9
3	☐			8665.99		P	2.4
4	☐			9364.59		P	2.3
5	☐			10148.50		P	2.2
6	☐			12133.57		P	1.4
7	☐			16262.05		P	0.8
8	☐			8591.85		P	7.3

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	252.79	0.0001	P	2.6
2	☐	1.000	0.976	3847.92	0.0008	P	7.8
3	☐	50.000	48.656	179799.83	0.0368	P	2.8
4	☐	125.000	115.953	440496.51	0.0877	P	1.7
5	☐	250.000	247.038	901613.13	0.1868	P	6.9
6	☐	500.000	500.027	1868270.64	0.3780	A	1.9
7	☐	1000.000	1001.925	3795575.34	0.7574	A	1.2
8	☐			850.05	0.0002	P	12.8

$$y = 7.5593E-004 * x + 5.1327E-005$$

$$R = 1.0000$$

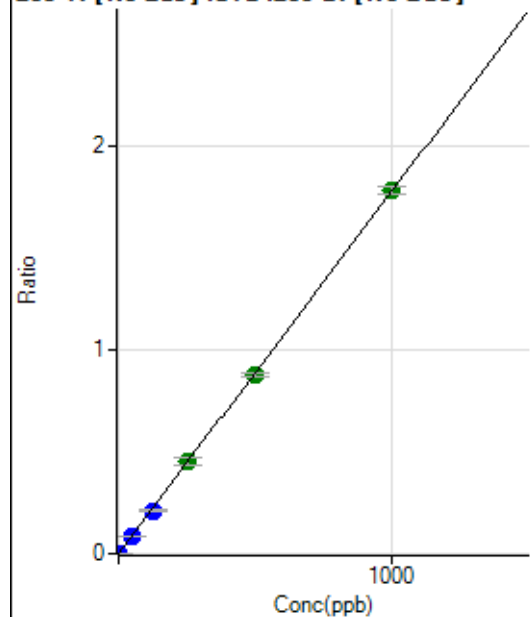
$$DL = 0.005287$$

$$BEC = 0.0679$$

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	538.92	0.0001	P	10.6
2	☐	1.000	0.981	9042.34	0.0019	P	3.5
3	☐	50.000	48.635	422439.28	0.0865	P	1.8
4	☐	125.000	118.335	1056537.03	0.2104	P	2.7
5	☐	250.000	256.326	2197791.07	0.4556	A	7.9
6	☐	500.000	494.184	4339784.82	0.8782	A	2.4
7	☐	1000.000	1002.228	8924276.33	1.7809	A	2.3
8	☐			2041.90	0.0004	P	9.1

$$y = 0.0018 * x + 1.0947E-004$$

$$R = 0.9999$$

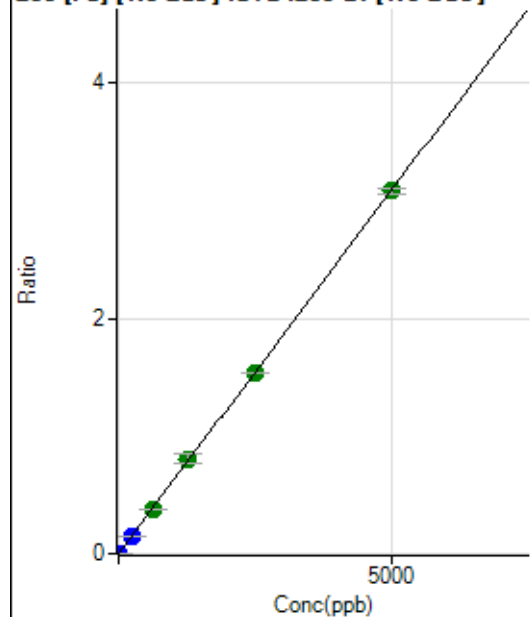
$$DL = 0.01952$$

$$BEC = 0.06161$$

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	446.31	0.0001	P	9.8
2	☐	1.000	0.941	3278.24	0.0007	P	5.2
3	☐	250.000	240.219	724974.95	0.1485	P	1.3
4	☐	625.000	609.623	1891976.69	0.3767	A	0.5
5	☐	1250.000	1305.259	3887964.55	0.8064	A	9.5
6	☐	2500.000	2494.068	7615427.26	1.5407	A	0.1
7	☐	5000.000	4991.562	15451646.53	3.0835	A	1.7
8	☐			3005.97	0.0007	P	6.7

$$y = 6.1773E-004 * x + 9.0673E-005$$

$$R = 0.9999$$

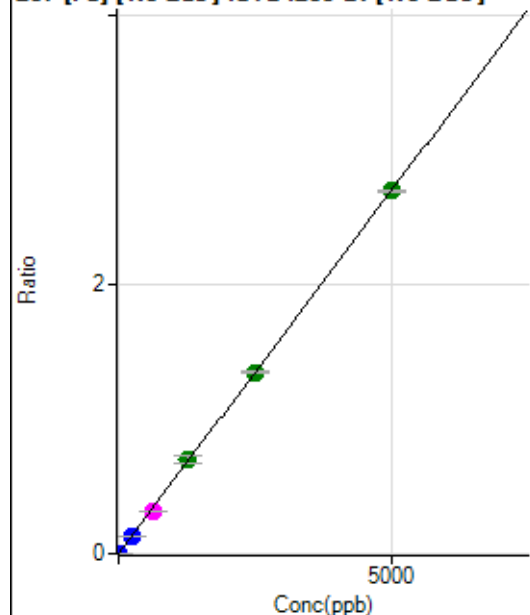
$$DL = 0.04313$$

$$BEC = 0.1468$$

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	364.83	0.0001	P	13.3
2	☐	1.000	0.954	2870.75	0.0006	P	6.3
3	☐	250.000	240.540	633296.43	0.1297	P	1.7
4	☐	625.000	586.287	1587722.02	0.3161	M	2.4
5	☐	1250.000	1289.730	3354158.99	0.6952	A	8.0
6	☐	2500.000	2499.366	6658713.05	1.3471	A	0.8
7	☐	5000.000	4995.697	13492058.64	2.6925	A	0.5
8	☐			2520.66	0.0006	P	9.8

$$y = 5.3895E-004 * x + 7.4061E-005$$

$$R = 0.9999$$

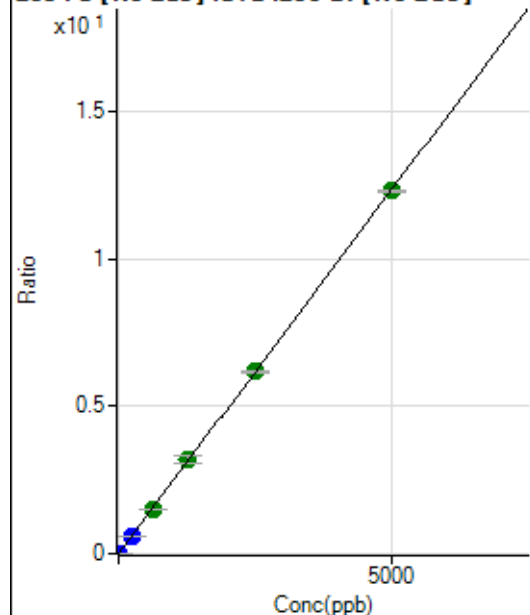
$$DL = 0.05476$$

$$BEC = 0.1374$$

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	1650.07	0.0003	P	13.0
2	☐	1.000	0.964	13241.82	0.0027	P	3.0
3	☐	250.000	241.226	2907200.43	0.5955	P	2.4
4	☐	625.000	604.781	7497109.28	1.4925	A	0.7
5	☐	1250.000	1296.048	15427646.82	3.1981	A	8.5
6	☐	2500.000	2510.057	30614164.75	6.1934	A	1.0
7	☐	5000.000	4986.425	61652188.77	12.3033	A	0.7
8	☐			11546.68	0.0025	P	8.2

$$y = 0.0025 * x + 3.3529E-004$$

$$R = 0.9999$$

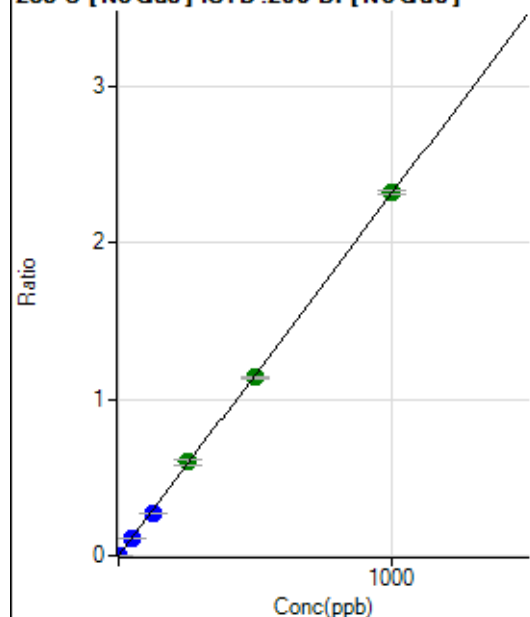
$$DL = 0.05284$$

$$BEC = 0.1359$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	66.67	0.0000	P	1.1
2	☐	1.000	0.972	11030.10	0.0023	P	1.6
3	☐	50.000	47.803	539606.48	0.1105	P	2.8
4	☐	125.000	117.149	1360330.87	0.2709	P	1.9
5	☐	250.000	257.999	2878408.92	0.5965	A	7.3
6	☐	500.000	492.310	5625731.03	1.1382	A	0.5
7	☐	1000.000	1002.936	11618981.51	2.3187	A	1.0
8	☐			763.93	0.0002	P	7.4

$$y = 0.0023 * x + 1.3536E-005$$

$$R = 0.9999$$

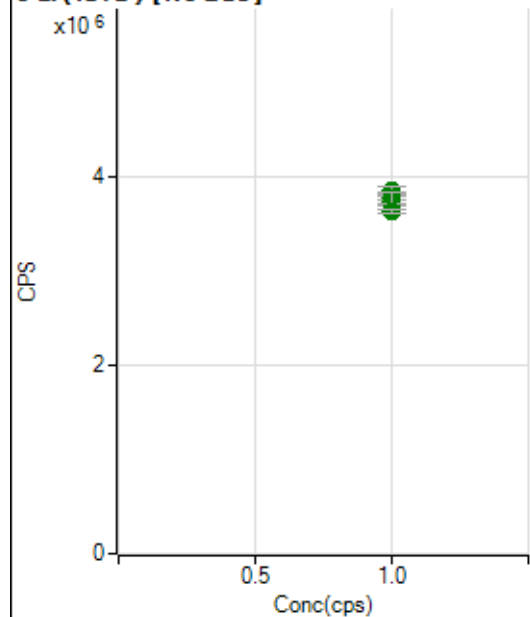
$$DL = 0.0002019$$

$$BEC = 0.005855$$

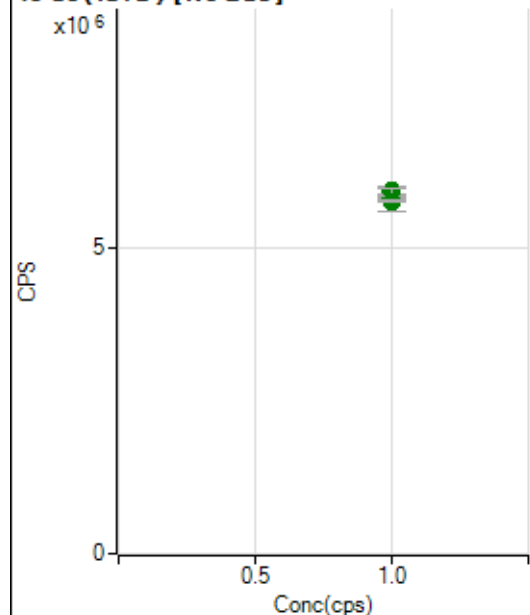
Weight: <None>

Min Conc: 0

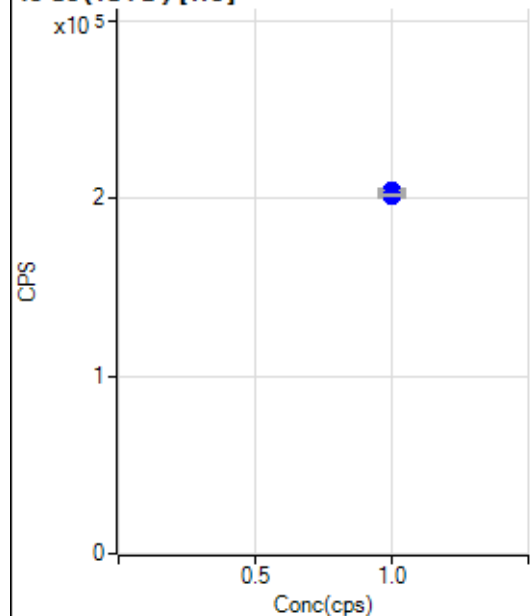
6 Li (ISTD) [No Gas]



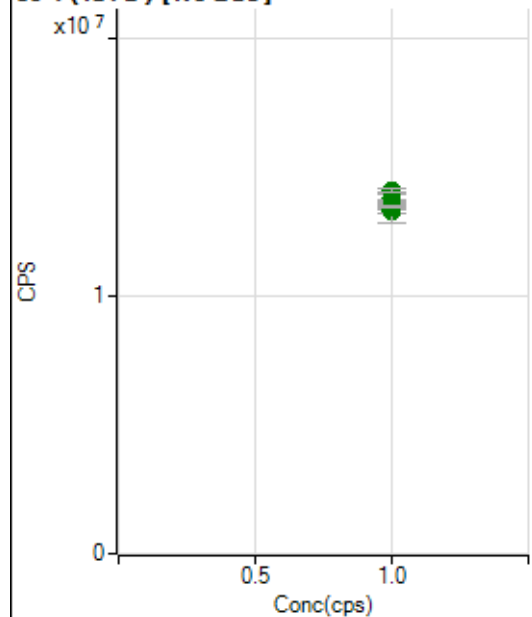
	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		3767044.08		A	2.0
2	☐	1.000		3806618.14		A	0.4
3	☐	1.000		3732780.59		A	1.4
4	☐	1.000		3860169.64		A	2.0
5	☐	1.000		3739579.74		A	6.2
6	☐	1.000		3788105.69		A	1.6
7	☐	1.000		3785546.06		A	2.9
8	☐	1.000		3636542.42		A	1.0

45 Sc (ISTD) [No Gas]

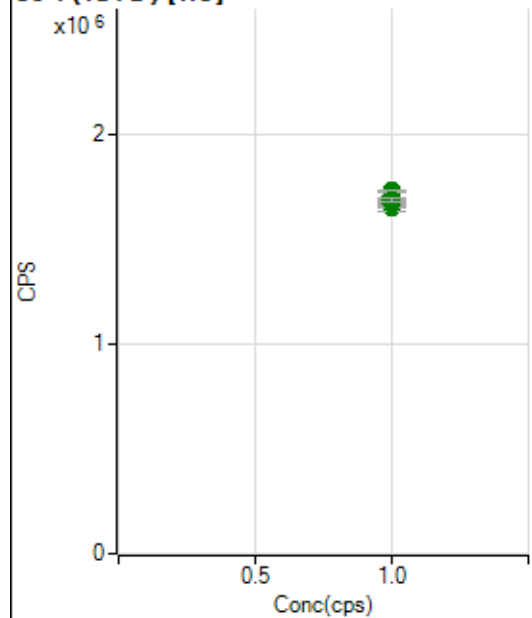
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		5834828.18		A	1.6
2	☐	1.000		5838500.61		A	1.0
3	☐	1.000		5803292.13		A	1.2
4	☐	1.000		5929094.56		A	1.7
5	☐	1.000		5739078.73		A	4.6
6	☐	1.000		5915789.77		A	2.6
7	☐	1.000		5914465.81		A	2.3
8	☐	1.000		5766652.14		A	0.3

45 Sc (ISTD) [He]

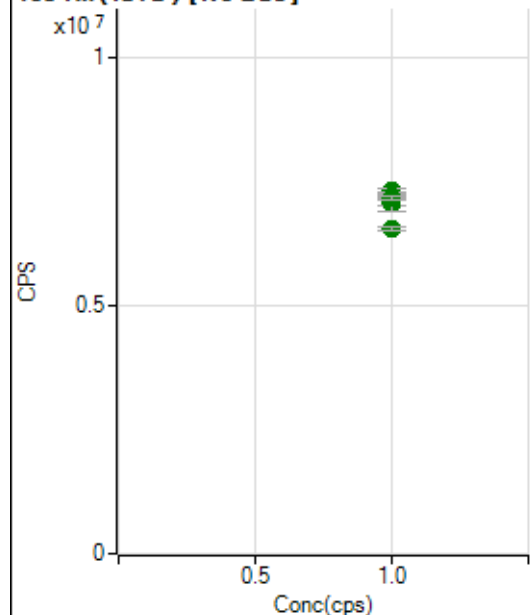
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		204459.73		P	0.8
2	☐	1.000		204314.26		P	2.0
3	☐	1.000		204244.22		P	1.0
4	☐	1.000		203243.68		P	0.0
5	☐	1.000		203534.35		P	1.5
6	☐	1.000		201769.29		P	0.8
7	☐	1.000		201785.42		P	1.8
8	☐	1.000		202014.32		P	0.5

89 Y (ISTD) [No Gas]

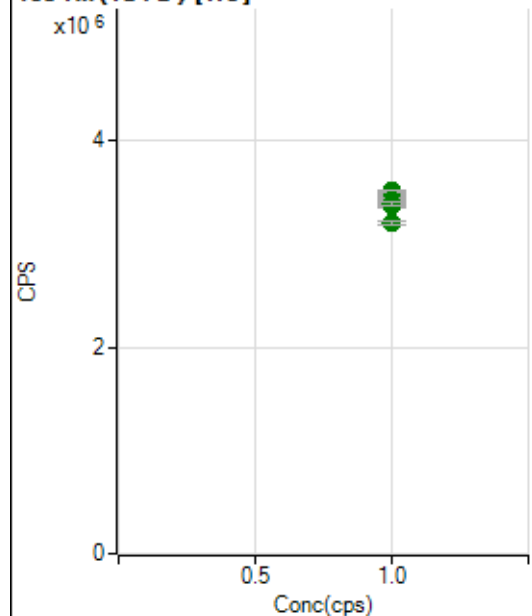
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		13591940.08		A	1.2
2	☐	1.000		13502068.27		A	2.4
3	☐	1.000		13340887.30		A	2.2
4	☐	1.000		13837740.77		A	1.4
5	☐	1.000		13286968.55		A	6.3
6	☐	1.000		13807916.88		A	3.1
7	☐	1.000		14075915.62		A	1.2
8	☐	1.000		13447113.27		A	0.8

89 Y (ISTD) [He]

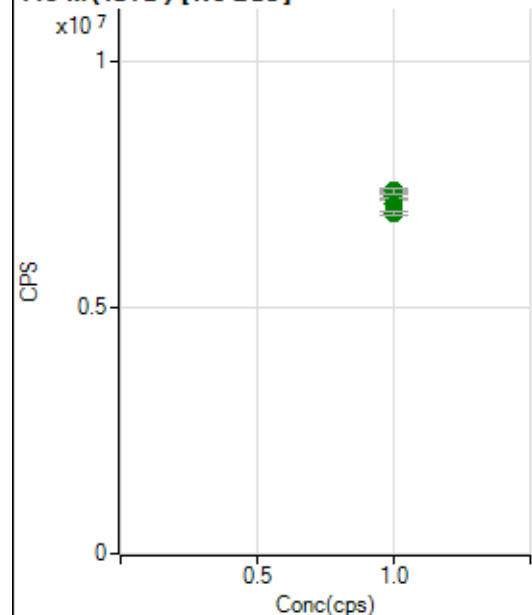
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		1647414.30		A	1.5
2	☐	1.000		1687609.70		A	1.0
3	☐	1.000		1700151.31		A	2.6
4	☐	1.000		1672503.39		A	0.5
5	☐	1.000		1663871.35		A	1.7
6	☐	1.000		1681084.35		A	0.4
7	☐	1.000		1728901.45		A	0.6
8	☐	1.000		1688872.66		A	1.0

103 Rh (ISTD) [No Gas]

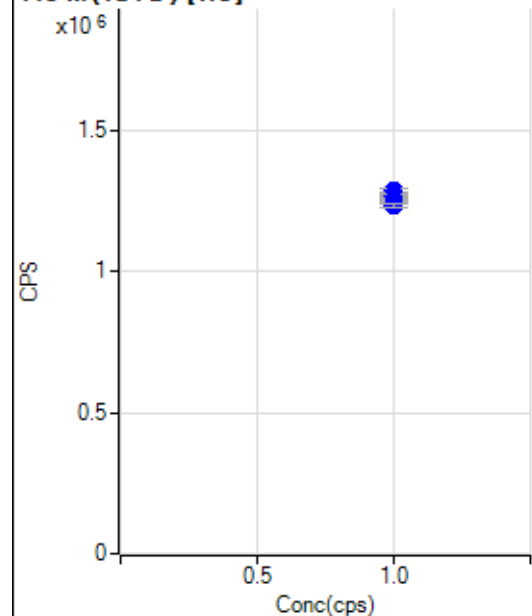
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		7227674.38		A	2.2
2	☐	1.000		7322278.81		A	1.1
3	☐	1.000		7076205.63		A	1.6
4	☐	1.000		7227200.77		A	1.2
5	☐	1.000		7105199.85		A	5.4
6	☐	1.000		7199193.74		A	1.4
7	☐	1.000		7177120.13		A	1.0
8	☐	1.000		6552230.14		A	1.2

103 Rh (ISTD) [He]

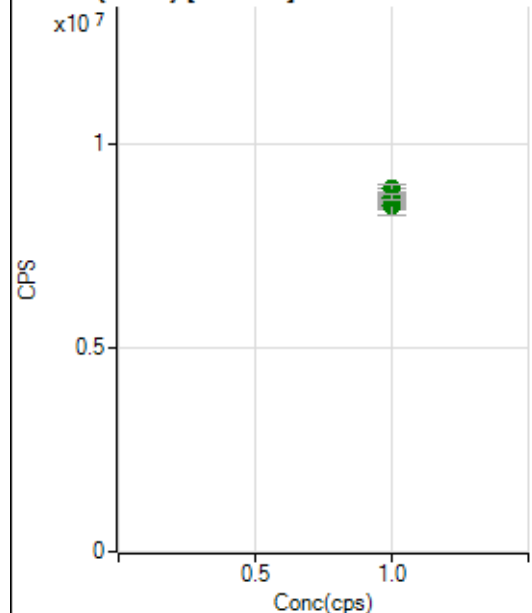
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		3469038.42		A	0.9
2	☐	1.000		3442276.61		A	1.0
3	☐	1.000		3503588.98		A	1.4
4	☐	1.000		3516692.76		A	0.4
5	☐	1.000		3372592.21		A	1.2
6	☐	1.000		3438064.36		A	0.8
7	☐	1.000		3393566.37		A	1.2
8	☐	1.000		3210632.87		A	0.9

115 In (ISTD) [No Gas]

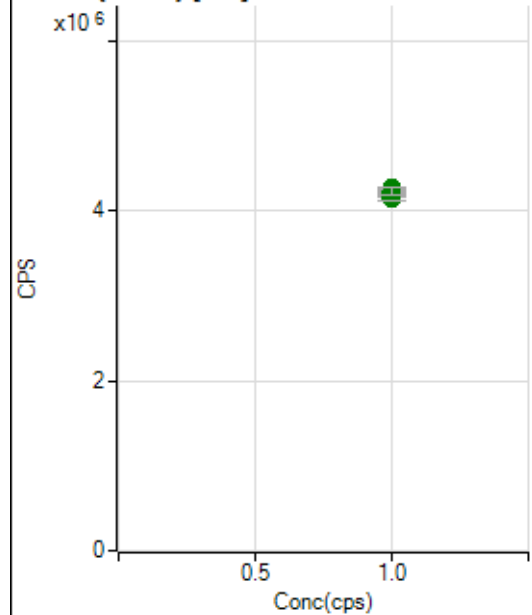
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		7211629.40		A	0.3
2	☐	1.000		7293310.60		A	2.2
3	☐	1.000		7254268.00		A	2.0
4	☐	1.000		7297321.40		A	2.0
5	☐	1.000		7121383.07		A	6.8
6	☐	1.000		7269184.08		A	0.8
7	☐	1.000		7379055.77		A	1.5
8	☐	1.000		6932449.27		A	1.2

115 In (ISTD) [He]

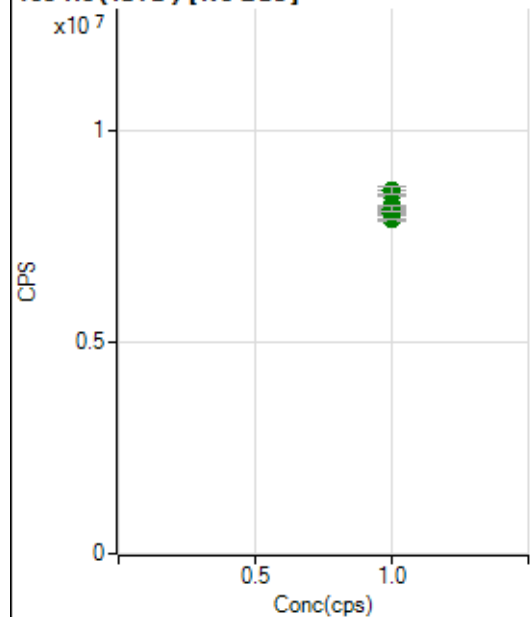
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		1263304.28		P	0.7
2	☐	1.000		1283787.01		P	1.5
3	☐	1.000		1274476.78		P	0.6
4	☐	1.000		1264522.03		P	1.1
5	☐	1.000		1264727.08		P	1.1
6	☐	1.000		1254920.25		P	0.9
7	☐	1.000		1243682.51		P	0.5
8	☐	1.000		1233374.23		P	0.9

159 Tb (ISTD) [No Gas]

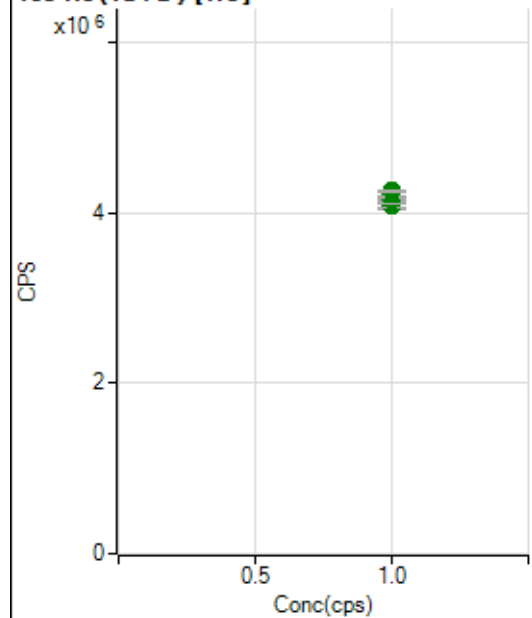
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		8508067.72		A	0.7
2	☐	1.000		8479073.97		A	2.0
3	☐	1.000		8510050.29		A	1.2
4	☐	1.000		8648570.01		A	1.1
5	☐	1.000		8480518.48		A	5.2
6	☐	1.000		8841940.91		A	2.1
7	☐	1.000		8904280.29		A	2.0
8	☐	1.000		8704998.41		A	2.0

159 Tb (ISTD) [He]

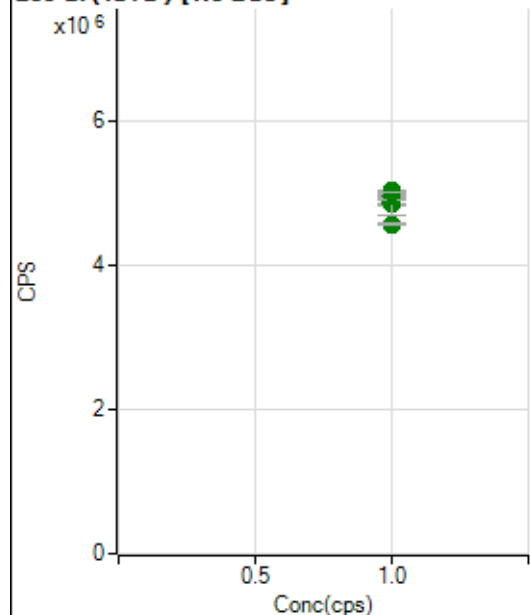
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		4167552.06		A	2.6
2	☐	1.000		4182698.41		A	0.9
3	☐	1.000		4144175.64		A	0.8
4	☐	1.000		4209262.13		A	0.9
5	☐	1.000		4275547.06		A	0.7
6	☐	1.000		4174900.11		A	2.5
7	☐	1.000		4266666.08		A	0.3
8	☐	1.000		4237304.14		A	1.9

165 Ho (ISTD) [No Gas]

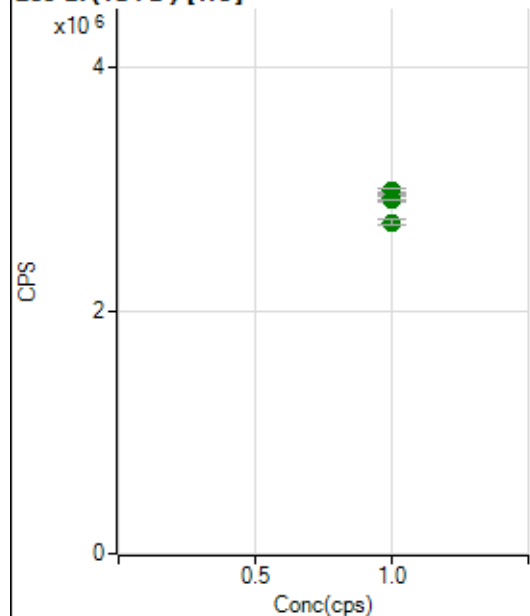
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		7892532.21		A	0.4
2	☐	1.000		8083328.48		A	0.9
3	☐	1.000		8047333.78		A	1.5
4	☐	1.000		8203630.65		A	0.2
5	☐	1.000		8033659.55		A	3.4
6	☐	1.000		8500077.80		A	1.6
7	☐	1.000		8567527.19		A	2.2
8	☐	1.000		8147088.20		A	1.7

165 Ho (ISTD) [He]

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		4091984.66		A	1.0
2	☐	1.000		4088351.96		A	2.0
3	☐	1.000		4160144.94		A	0.2
4	☐	1.000		4095580.49		A	1.1
5	☐	1.000		4148834.10		A	2.3
6	☐	1.000		4220645.60		A	2.0
7	☐	1.000		4236777.44		A	1.8
8	☐	1.000		4259466.81		A	0.3

209 Bi (ISTD) [No Gas]

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		4925782.57		A	1.2
2	☐	1.000		4880439.03		A	1.6
3	☐	1.000		4883703.02		A	2.5
4	☐	1.000		5022991.00		A	0.9
5	☐	1.000		4839792.78		A	6.0
6	☐	1.000		4942714.75		A	1.2
7	☐	1.000		5010945.00		A	0.3
8	☐	1.000		4558181.01		A	0.4

209 Bi (ISTD) [He]

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		2923159.36		A	1.6
2	☐	1.000		2974514.05		A	2.3
3	☐	1.000		2970427.25		A	0.5
4	☐	1.000		2958751.52		A	0.9
5	☐	1.000		2987819.26		A	1.7
6	☐	1.000		2926792.84		A	2.0
7	☐	1.000		2917324.79		A	0.3
8	☐	1.000		2731019.30		A	2.1

US EPA Tune Check Report

Operator Name Jaswal

Acq/Data Batch D:\Agilent\ICPMH\1\DATA\IP8041823MS.b

Acq. Date-Time 2023-04-18 11:30:58

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		12105	121053.37			0.624	5.000
24		92403	924033.89			1.888	5.000
25		12360	123604.69			0.789	5.000
26		13910	139102.13			1.044	5.000
59		69977	699771.83			2.406	5.000
113		6855	68548.13			0.652	5.000
115		84302	843018.80			1.390	5.000
206		16431	164308.10			1.613	5.000
207		15050	150500.45			2.127	5.000
208		35547	355467.28			1.955	5.000
220		1	6.10			29.780	

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

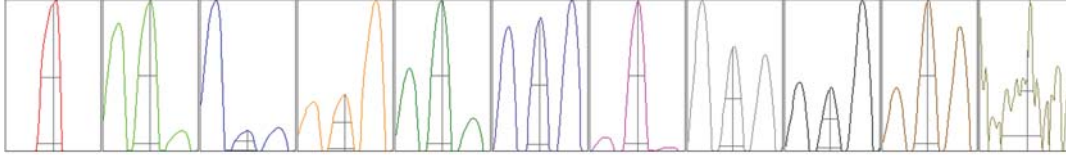
Mass	Rep#1 Count	Rep#2 Count	Rep#3 Count	Rep#4 Count	Rep#5 Count
9	12167	12014	12158	12156	12032
24	95335	91585	91002	92637	91458
25	12360	12287	12528	12318	12309
26	13910	13840	14147	13896	13758
59	68683	69183	70109	72840	69071
113	6826	6792	6895	6867	6893
115	85397	84991	82354	84298	84469
206	16147	16467	16178	16610	16751
207	14712	15067	14867	15042	15562
208	34532	35537	35554	35615	36495

US EPA Tune Check Report

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

Integration Time [sec] 0.1

Resolution/Axis



Mass	Peak Height	Axis	Axis (Required)	Axis (Flag)
9	20917.89	9.05	8.90 - 9.10	
24	162849.23	24.00	23.90 - 24.10	
25	21768.49	25.00	24.90 - 25.10	
26	24822.97	26.00	25.90 - 26.10	
59	131695.28	59.00	58.90 - 59.10	
113	13845.50	113.00	112.90 - 113.10	
115	172982.88	115.05	114.90 - 115.10	
206	33160.57	205.95	205.90 - 206.10	
207	30700.74	206.95	206.90 - 207.10	
208	72702.86	207.95	207.90 - 208.10	
220	0.90	220.05	-	

Mass	W-50%	W-5%	W-5% (Required)	W-5% (Flag)
9	0.61	0.777	0.900	
24	0.60	0.818	0.900	
25	0.59	0.780	0.900	
26	0.60	0.822	0.900	
59	0.56	0.768	0.900	
113	0.51	0.691	0.900	
115	0.50	0.758	0.900	
206	0.50	0.767	0.900	
207	0.49	0.772	0.900	
208	0.49	0.773	0.900	
220	0.40	1.242		

Integration Time [sec] 0.1

Acquisition Time [sec] 256.770000000002

Y Axis Linear

Tune Parameters

Plasma Parameters

Plasma Mode --- Nebulizer Gas 0.84 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	10.2 V	Deflect	15.2 V
Extract 2	-180.0 V	Cell Entrance	-30 V	Plate Bias	-50 V
Omega Bias	-100 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	140 V		

QP Parameters

Mass Gain	124	Axis Gain	0.9991	QP Bias	-4.0 V
Mass Offset	125	Axis Offset	0.00		

Hardware Settings

Torch

Torch H	1.2 mm	Torch V	-1.0 mm
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EM

Discriminator	4.5 mV	Analog HV	2316 V	Pulse HV	1698 V
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[He]

Sensitivity

Mass	Conc. [ug/l]	Count	CPS	Resp (Required) [cps/ug/l]	Resp (Flag)	RSD%	RSD% (Required)
59		15227	152269.25			0.817	
89		12404	124039.52			0.478	
205		14099	140993.48			0.545	

Mass	RSD% (Flag)
59	
89	
205	

Mass	Rep#1 Count	Rep#2 Count	Rep#3 Count	Rep#4 Count	Rep#5 Count
59	15061	15229	15408	15242	15194
89	12316	12402	12448	12386	12467
205	14135	14165	14074	14147	13976

Integration Time [sec] 0.1

Tune Parameters

Plasma Parameters

Plasma Mode	---	Nebulizer Gas	0.84 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	10.2 V	Deflect	3.8 V
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US EPA Tune Check Report

Extract 2	-180.0 V	Cell Entrance	-50 V	Plate Bias	-60 V
Omega Bias	-100 V	Cell Exit	-70 V		

Cell Parameters

Use Gas	Yes	3rd Gas Flow	---	Energy Discrimination	5.0 V
He Flow	4.5 mL/min	OctP Bias	-18.0 V		
H2 Flow	---	OctP RF	190 V		

QP Parameters

Mass Gain	124	Axis Gain	0.9991	QP Bias	-13.0 V
Mass Offset	125	Axis Offset	0.00		

Hardware Settings

Torch

Torch H	1.2 mm	Torch V	-1.0 mm
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EM

Discriminator	4.5 mV	Analog HV	2316 V	Pulse HV	1698 V
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LB Number :	LB125034	Operator :	Jaswal
Lab Sample ID :	S0	Instrumnet Name :	P8
Client Sample ID :	S0	Dilution Factor :	1
Date & Time Acquired :	2023-04-18 12:09:39	DataFile Name :	004CALB.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	-0.16	0.05	0.12	0.00	N/A	ppb
Antimony	121-1	0.00	-0.01	0.01	0.00	N/A	ppb
Arsenic	75-2	0.01	-0.01	0.00	0.00	N/A	ppb
Barium	135-1	0.01	0.00	0.00	0.00	N/A	ppb
Barium	137-1	-0.01	0.00	0.00	0.00	N/A	ppb
Beryllium	9-1	0.00	0.00	0.00	0.00	N/A	ppb
Bismuth	209-1				100		%
Bismuth	209-2				100		%
Boron	10-1	-0.08	-0.13	0.21	0.00	N/A	ppb
Boron	11-1	0.05	-0.04	-0.01	0.00	N/A	ppb
Bromine	81-1						cps
Cadmium	111-1	0.04	-0.03	-0.01	0.00	N/A	ppb
Cadmium	106-1	2.06	-1.76	-0.30	0.00	N/A	ppb
Cadmium	108-1	-0.03	-0.03	0.07	0.00	N/A	ppb
Calcium	43-1	1.94	-2.25	0.31	0.00	N/A	ppb
Calcium	44-1	1.76	-1.45	-0.31	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	0.02	0.00	N/A	ppb
Cobalt	59-2	0.00	0.00	0.01	0.00	N/A	ppb
Copper	63-2	-0.02	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	-0.50	0.53	-0.04	0.00	N/A	ppb
Iron	56-2	-0.21	-0.10	0.31	0.00	N/A	ppb
Iron	57-2	1.64	-2.63	0.99	0.00	N/A	ppb

LB Number :	LB125034	Operator :	Jaswal
Lab Sample ID :	S0	Instrumnet Name :	P8
Client Sample ID :	S0	Dilution Factor :	1
Date & Time Acquired :	2023-04-18 12:09:39	DataFile Name :	004CALB.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Krypton	83-1						cps
Lead	206-1	0.01	0.00	-0.02	0.00	N/A	ppb
Lead	207-1	0.02	-0.02	0.00	0.00	N/A	ppb
Lead	208-1	0.02	0.00	-0.02	0.00	N/A	ppb
Lithium	6-1				100		%
Magnesium	24-2	0.52	-0.23	-0.29	0.00	N/A	ppb
Manganese	55-2	0.01	0.00	-0.01	0.00	N/A	ppb
Molybdenum	94-1	0.02	-0.02	0.00	0.00	N/A	ppb
Molybdenum	95-1	0.00	0.00	0.00	0.00	N/A	ppb
Molybdenum	96-1	-0.01	0.01	0.00	0.00	N/A	ppb
Molybdenum	97-1	-0.01	-0.01	0.01	0.00	N/A	ppb
Molybdenum	98-1	0.00	0.00	0.00	0.00	N/A	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.01	-0.04	0.03	0.00	N/A	ppb
Phosphorus	31-2	3.54	-26.33	5.38	-5.81		ppb
Potassium	39-2	0.26	-5.38	5.12	0.00	N/A	ppb
Rhodium	103-1				100		%
Rhodium	103-2				100		%
Scandium	45-1				100		%
Scandium	45-2				100		%
Selenium	82-1	-0.67	0.27	0.40	0.00	N/A	ppb
Selenium	77-2	-0.68	0.33	0.35	0.00	N/A	ppb
Selenium	78-2	-0.20	-0.22	0.41	0.00	N/A	ppb
Silicon	28-1	-1.05	-2.82	3.87	0.00	N/A	ppb
Silver	107-1	0.01	-0.01	0.00	0.00	N/A	ppb
Silver	109-1	-0.01	0.01	0.00	0.00	N/A	ppb
Sodium	23-2	-1.28	1.46	-0.18	0.00	N/A	ppb
Strontium	86-1	0.09	-0.03	-0.06	0.00	N/A	ppb
Strontium	88-1	0.03	-0.01	-0.02	0.00	N/A	ppb
Sulfur	34-1	219.82	-476.35	98.92	-52.54		ppb
Terbium	159-1				100		%
Terbium	159-2				100		%
Thallium	203-1	0.00	0.00	0.00	0.00	N/A	ppb
Thallium	205-1	0.01	0.00	0.00	0.00	N/A	ppb
Tin	118-1	0.01	-0.01	0.00	0.00	N/A	ppb

LB Number :	LB125034	Operator :	Jaswal
Lab Sample ID :	S0	Instrumnet Name :	P8
Client Sample ID :	S0	Dilution Factor :	1
Date & Time Acquired :	2023-04-18 12:09:39	DataFile Name :	004CALB.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Titanium	47-1	-0.01	-0.02	0.03	0.00	N/A	ppb
Uranium	238-1	0.00	0.00	0.00	0.00	N/A	ppb
Vanadium	51-2	-0.01	0.01	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	-0.08	0.00	0.08	0.00	N/A	ppb
Zirconium	90-1	0.00	0.00	0.00	0.00	N/A	ppb
Zirconium	91-1	0.00	0.01	0.00	0.00	N/A	ppb

LB Number :	LB125034	Operator :	Jaswal
Lab Sample ID :	S2	Instrumnet Name :	P8
Client Sample ID :	S2	Dilution Factor :	1
Date & Time Acquired :	2023-04-18 12:15:49	DataFile Name :	006CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	21.85	20.19	20.01	20.68	4.90	ppb
Antimony	121-1	2.06	2.03	2.06	2.05	0.71	ppb
Arsenic	75-2	1.14	1.06	0.99	1.06	7.08	ppb
Barium	135-1	9.95	9.94	9.88	9.92	0.36	ppb
Barium	137-1	10.47	10.46	10.15	10.36	1.74	ppb
Beryllium	9-1	1.12	1.17	1.09	1.13	3.82	ppb
Bismuth	209-1				99		%
Bismuth	209-2				102		%
Boron	10-1	22.97	23.86	24.42	23.75	3.08	ppb
Boron	11-1	24.06	25.49	25.79	25.11	3.67	ppb
Bromine	81-1						cps
Cadmium	111-1	1.13	1.10	1.29	1.17	8.50	ppb
Cadmium	106-1	-0.51	0.75	3.29	1.18	164.21	ppb
Cadmium	108-1	1.06	1.21	0.65	0.97	29.98	ppb
Calcium	43-1	524.56	540.99	518.23	527.93	2.23	ppb
Calcium	44-1	528.82	543.52	533.67	535.34	1.40	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	2.02	1.93	1.99	1.98	2.10	ppb
Cobalt	59-2	1.02	1.04	0.98	1.01	3.32	ppb
Copper	63-2	2.06	2.04	2.13	2.08	2.13	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				102		%
Holmium	165-2				100		%
Indium	115-1				101		%
Indium	115-2				102		%
Iron	54-2	58.34	55.97	49.20	54.50	8.70	ppb
Iron	56-2	51.58	53.40	50.42	51.80	2.90	ppb
Iron	57-2	46.81	45.55	49.74	47.37	4.53	ppb

LB Number :	LB125034	Operator :	Jaswal
Lab Sample ID :	S2	Instrumnet Name :	P8
Client Sample ID :	S2	Dilution Factor :	1
Date & Time Acquired :	2023-04-18 12:15:49	DataFile Name :	006CAL.S.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Krypton	83-1						cps
Lead	206-1	0.89	0.93	1.00	0.94	6.07	ppb
Lead	207-1	1.02	0.95	0.88	0.95	7.23	ppb
Lead	208-1	1.00	0.93	0.96	0.96	3.45	ppb
Lithium	6-1				101		%
Magnesium	24-2	508.55	542.94	509.67	520.39	3.76	ppb
Manganese	55-2	1.11	1.13	1.10	1.11	1.63	ppb
Molybdenum	94-1	5.93	5.64	5.70	5.75	2.65	ppb
Molybdenum	95-1	5.01	5.13	5.04	5.06	1.18	ppb
Molybdenum	96-1	5.14	4.94	4.96	5.02	2.15	ppb
Molybdenum	97-1	5.02	4.93	5.12	5.03	1.87	ppb
Molybdenum	98-1	5.01	4.97	4.90	4.96	1.10	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	1.10	0.86	0.95	0.97	12.27	ppb
Phosphorus	31-2	-7.05	21.68	2.79	5.81	251.42	ppb
Potassium	39-2	502.55	491.34	472.38	488.75	3.12	ppb
Rhodium	103-1				101		%
Rhodium	103-2				99		%
Scandium	45-1				100		%
Scandium	45-2				100		%
Selenium	82-1	5.87	6.18	5.06	5.70	10.16	ppb
Selenium	77-2	4.27	4.35	3.27	3.96	15.22	ppb
Selenium	78-2	5.44	5.26	4.98	5.22	4.43	ppb
Silicon	28-1	3.36	6.99	5.04	5.13	35.35	ppb
Silver	107-1	0.99	1.17	1.07	1.08	8.15	ppb
Silver	109-1	1.03	1.06	1.12	1.07	4.21	ppb
Sodium	23-2	511.20	518.23	500.30	509.91	1.77	ppb
Strontium	86-1	1.04	1.10	0.79	0.98	17.07	ppb
Strontium	88-1	1.11	1.05	1.01	1.06	4.39	ppb
Sulfur	34-1	-102.37	165.58	94.41	52.54	264.17	ppb
Terbium	159-1				100		%
Terbium	159-2				100		%
Thallium	203-1	1.02	0.88	1.02	0.98	8.34	ppb
Thallium	205-1	0.95	0.97	1.02	0.98	3.68	ppb
Tin	118-1	5.05	4.95	5.14	5.05	1.89	ppb

LB Number :	LB125034	Operator :	Jaswal
Lab Sample ID :	S2	Instrumnet Name :	P8
Client Sample ID :	S2	Dilution Factor :	1
Date & Time Acquired :	2023-04-18 12:15:49	DataFile Name :	006CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Titanium	47-1	4.92	5.83	5.26	5.34	8.59	ppb
Uranium	238-1	0.98	0.98	0.95	0.97	1.57	ppb
Vanadium	51-2	4.95	5.01	5.32	5.09	3.97	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				99		%
Yttrium	89-2				102		%
Zinc	66-2	1.94	2.25	2.21	2.13	7.99	ppb
Zirconium	90-1	1.04	0.99	0.96	1.00	4.20	ppb
Zirconium	91-1	1.02	0.94	1.05	1.00	5.77	ppb

LB Number :	LB125034	Operator :	Jaswal
Lab Sample ID :	S3	Instrumnet Name :	P8
Client Sample ID :	S3	Dilution Factor :	1
Date & Time Acquired :	2023-04-18 12:18:52	DataFile Name :	007CAL.S.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	1020.60	1013.08	967.99	1000.56	2.84	ppb
Antimony	121-1	50.65	49.78	49.66	50.03	1.08	ppb
Arsenic	75-2	51.32	51.56	47.02	49.97	5.11	ppb
Barium	135-1	252.60	249.67	250.79	251.02	0.59	ppb
Barium	137-1	260.85	257.10	256.28	258.08	0.94	ppb
Beryllium	9-1	53.72	52.09	52.53	52.78	1.60	ppb
Bismuth	209-1				99		%
Bismuth	209-2				102		%
Boron	10-1	47.99	51.16	54.33	51.16	6.19	ppb
Boron	11-1	50.99	53.39	56.28	53.55	4.94	ppb
Bromine	81-1						cps
Cadmium	111-1	53.01	52.55	53.62	53.06	1.01	ppb
Cadmium	106-1	46.43	50.14	49.87	48.81	4.23	ppb
Cadmium	108-1	54.00	54.29	51.24	53.18	3.16	ppb
Calcium	43-1	5895.49	5983.01	5857.97	5912.16	1.09	ppb
Calcium	44-1	5790.04	5755.44	5607.50	5717.66	1.70	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	50.12	48.29	46.62	48.34	3.61	ppb
Cobalt	59-2	49.14	49.20	46.89	48.41	2.71	ppb
Copper	63-2	497.57	498.06	476.34	490.66	2.53	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				101		%
Indium	115-2				101		%
Iron	54-2	2711.97	2685.03	2564.60	2653.87	2.96	ppb
Iron	56-2	2800.62	2730.05	2602.59	2711.09	3.70	ppb
Iron	57-2	2595.35	2587.15	2485.23	2555.91	2.40	ppb

LB Number :	LB125034	Operator :	Jaswal
Lab Sample ID :	S3	Instrumnet Name :	P8
Client Sample ID :	S3	Dilution Factor :	1
Date & Time Acquired :	2023-04-18 12:18:52	DataFile Name :	007CAL.S.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Krypton	83-1						cps
Lead	206-1	243.48	237.06	240.12	240.22	1.34	ppb
Lead	207-1	245.03	236.88	239.71	240.54	1.72	ppb
Lead	208-1	247.76	237.24	238.67	241.23	2.37	ppb
Lithium	6-1				99		%
Magnesium	24-2	5326.23	5178.42	4980.86	5161.84	3.36	ppb
Manganese	55-2	492.40	481.62	463.38	479.13	3.06	ppb
Molybdenum	94-1	537.51	522.47	522.75	527.58	1.63	ppb
Molybdenum	95-1	537.78	511.85	507.97	519.20	3.12	ppb
Molybdenum	96-1	546.45	520.78	504.02	523.75	4.08	ppb
Molybdenum	97-1	544.34	518.92	509.53	524.26	3.44	ppb
Molybdenum	98-1	543.97	525.70	509.52	526.40	3.27	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	52.05	51.17	49.16	50.79	2.91	ppb
Phosphorus	31-2	849.90	990.91	962.32	934.38	7.98	ppb
Potassium	39-2	2494.90	2492.57	2412.31	2466.59	1.91	ppb
Rhodium	103-1				98		%
Rhodium	103-2				101		%
Scandium	45-1				99		%
Scandium	45-2				100		%
Selenium	82-1	54.76	53.21	52.23	53.40	2.39	ppb
Selenium	77-2	41.58	43.23	62.64	49.15	23.82	ppb
Selenium	78-2	53.79	48.26	50.52	50.86	5.46	ppb
Silicon	28-1	43.80	57.70	51.95	51.15	13.66	ppb
Silver	107-1	52.59	52.76	51.67	52.34	1.12	ppb
Silver	109-1	53.53	52.33	53.33	53.06	1.21	ppb
Sodium	23-2	5314.37	5314.26	4982.61	5203.74	3.68	ppb
Strontium	86-1	1388.21	1323.20	1307.83	1339.75	3.18	ppb
Strontium	88-1	1331.01	1319.06	1272.81	1307.63	2.35	ppb
Sulfur	34-1	1304.47	1765.47	1095.48	1388.47	24.69	ppb
Terbium	159-1				100		%
Terbium	159-2				99		%
Thallium	203-1	49.79	47.17	49.01	48.66	2.77	ppb
Thallium	205-1	49.54	47.82	48.55	48.64	1.77	ppb
Tin	118-1	51.08	51.62	50.72	51.14	0.89	ppb

LB Number :	LB125034	Operator :	Jaswal
Lab Sample ID :	S3	Instrumnet Name :	P8
Client Sample ID :	S3	Dilution Factor :	1
Date & Time Acquired :	2023-04-18 12:18:52	DataFile Name :	007CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Titanium	47-1	517.54	529.57	513.98	520.36	1.57	ppb
Uranium	238-1	49.24	47.53	46.64	47.80	2.76	ppb
Vanadium	51-2	50.37	48.64	47.64	48.89	2.82	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				98		%
Yttrium	89-2				103		%
Zinc	66-2	500.96	485.19	470.35	485.50	3.15	ppb
Zirconium	90-1	52.81	51.68	50.33	51.61	2.41	ppb
Zirconium	91-1	52.61	51.34	51.45	51.80	1.35	ppb

LB Number :	LB125034	Operator :	Jaswal
Lab Sample ID :	S4	Instrumnet Name :	P8
Client Sample ID :	S4	Dilution Factor :	1
Date & Time Acquired :	2023-04-18 12:21:54	DataFile Name :	008CAL.S.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	2581.01	2519.21	2486.26	2528.82	1.90	ppb
Antimony	121-1	118.41	124.88	121.62	121.63	2.66	ppb
Arsenic	75-2	130.88	126.94	126.62	128.15	1.85	ppb
Barium	135-1	591.79	617.44	608.30	605.84	2.15	ppb
Barium	137-1	612.52	625.32	630.74	622.86	1.50	ppb
Beryllium	9-1	125.05	128.53	123.60	125.73	2.01	ppb
Bismuth	209-1				102		%
Bismuth	209-2				101		%
Boron	10-1	111.26	120.49	123.60	118.45	5.42	ppb
Boron	11-1	113.68	123.98	125.08	120.91	5.20	ppb
Bromine	81-1						cps
Cadmium	111-1	126.02	131.63	131.33	129.66	2.43	ppb
Cadmium	106-1	123.40	131.09	136.44	130.31	5.03	ppb
Cadmium	108-1	125.89	128.39	131.64	128.64	2.24	ppb
Calcium	43-1	14284.39	14489.26	14110.39	14294.68	1.33	ppb
Calcium	44-1	14034.30	14187.86	13885.72	14035.96	1.08	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	124.01	121.71	119.48	121.74	1.86	ppb
Cobalt	59-2	124.08	120.32	119.01	121.14	2.17	ppb
Copper	63-2	1304.95	1306.44	1260.04	1290.48	2.04	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				104		%
Holmium	165-2				100		%
Indium	115-1				101		%
Indium	115-2				100		%
Iron	54-2	6879.15	6634.72	6585.24	6699.70	2.35	ppb
Iron	56-2	6955.38	6798.91	6641.50	6798.60	2.31	ppb
Iron	57-2	6498.14	6347.37	6414.79	6420.10	1.18	ppb

LB Number :	LB125034	Operator :	Jaswal
Lab Sample ID :	S4	Instrumnet Name :	P8
Client Sample ID :	S4	Dilution Factor :	1
Date & Time Acquired :	2023-04-18 12:21:54	DataFile Name :	008CAL.S.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Krypton	83-1						cps
Lead	206-1	608.10	607.47	613.29	609.62	0.52	ppb
Lead	207-1	573.92	601.75	583.18	586.29	2.42	ppb
Lead	208-1	600.73	608.96	604.66	604.78	0.68	ppb
Lithium	6-1				102		%
Magnesium	24-2	13760.58	13416.76	13215.53	13464.29	2.05	ppb
Manganese	55-2	1236.08	1215.85	1189.59	1213.84	1.92	ppb
Molybdenum	94-1	1246.92	1323.14	1259.07	1276.38	3.21	ppb
Molybdenum	95-1	1237.73	1292.03	1226.78	1252.18	2.79	ppb
Molybdenum	96-1	1242.61	1292.58	1239.61	1258.27	2.37	ppb
Molybdenum	97-1	1225.62	1293.37	1282.25	1267.08	2.87	ppb
Molybdenum	98-1	1251.83	1298.45	1269.43	1273.24	1.85	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	127.15	124.82	124.82	125.60	1.07	ppb
Phosphorus	31-2	2507.84	2532.46	2384.45	2474.92	3.20	ppb
Potassium	39-2	6395.69	6203.46	6190.55	6263.23	1.83	ppb
Rhodium	103-1				100		%
Rhodium	103-2				101		%
Scandium	45-1				102		%
Scandium	45-2				99		%
Selenium	82-1	127.43	131.19	128.44	129.02	1.51	ppb
Selenium	77-2	121.47	143.36	126.58	130.47	8.77	ppb
Selenium	78-2	128.94	129.07	133.97	130.66	2.19	ppb
Silicon	28-1	104.05	125.80	126.78	118.88	10.81	ppb
Silver	107-1	125.66	130.18	130.86	128.90	2.19	ppb
Silver	109-1	123.88	128.46	129.38	127.24	2.31	ppb
Sodium	23-2	13427.20	12896.85	12626.71	12983.59	3.14	ppb
Strontium	86-1	3120.21	3297.09	3143.43	3186.91	3.02	ppb
Strontium	88-1	3139.68	3234.64	3100.54	3158.29	2.18	ppb
Sulfur	34-1	3335.41	3196.21	2351.86	2961.16	17.97	ppb
Terbium	159-1				102		%
Terbium	159-2				101		%
Thallium	203-1	116.20	113.93	117.74	115.95	1.65	ppb
Thallium	205-1	117.76	115.47	121.77	118.33	2.69	ppb
Tin	118-1	121.07	124.06	124.23	123.12	1.45	ppb

LB Number :	LB125034	Operator :	Jaswal
Lab Sample ID :	S4	Instrumnet Name :	P8
Client Sample ID :	S4	Dilution Factor :	1
Date & Time Acquired :	2023-04-18 12:21:54	DataFile Name :	008CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Titanium	47-1	1260.53	1262.63	1249.64	1257.60	0.55	ppb
Uranium	238-1	117.74	114.72	118.98	117.15	1.87	ppb
Vanadium	51-2	126.71	123.56	119.78	123.35	2.81	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				102		%
Yttrium	89-2				102		%
Zinc	66-2	1265.47	1229.77	1223.92	1239.72	1.81	ppb
Zirconium	90-1	122.42	125.20	124.31	123.98	1.15	ppb
Zirconium	91-1	121.13	124.18	123.01	122.77	1.25	ppb

LB Number :	LB125034	Operator :	Jaswal
Lab Sample ID :	S5	Instrumnet Name :	P8
Client Sample ID :	S5	Dilution Factor :	1
Date & Time Acquired :	2023-04-18 12:24:52	DataFile Name :	009CAL.S.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	5195.96	4996.43	4973.03	5055.14	2.42	ppb
Antimony	121-1	237.28	277.23	252.54	255.68	7.89	ppb
Arsenic	75-2	266.91	250.84	252.04	256.60	3.49	ppb
Barium	135-1	1174.48	1392.98	1242.37	1269.94	8.81	ppb
Barium	137-1	1214.42	1423.71	1285.21	1307.78	8.14	ppb
Beryllium	9-1	244.59	286.04	251.20	260.61	8.55	ppb
Bismuth	209-1				98		%
Bismuth	209-2				102		%
Boron	10-1	224.29	281.57	255.91	253.92	11.30	ppb
Boron	11-1	232.12	287.94	268.79	262.95	10.79	ppb
Bromine	81-1						cps
Cadmium	111-1	245.88	283.21	263.59	264.23	7.07	ppb
Cadmium	106-1	238.29	292.66	264.87	265.27	10.25	ppb
Cadmium	108-1	247.92	284.30	263.11	265.11	6.89	ppb
Calcium	43-1	27501.26	31511.86	29602.11	29538.41	6.79	ppb
Calcium	44-1	26665.26	30341.31	28310.13	28438.90	6.47	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	246.95	236.13	241.91	241.66	2.24	ppb
Cobalt	59-2	249.71	241.13	242.24	244.36	1.91	ppb
Copper	63-2	2639.33	2534.68	2466.13	2546.71	3.42	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				102		%
Holmium	165-2				101		%
Indium	115-1				99		%
Indium	115-2				100		%
Iron	54-2	13658.11	13045.67	13156.66	13286.81	2.46	ppb
Iron	56-2	13730.60	13261.51	13404.24	13465.45	1.79	ppb
Iron	57-2	13378.63	12412.21	12916.45	12902.43	3.75	ppb

LB Number :	LB125034	Operator :	Jaswal
Lab Sample ID :	S5	Instrumnet Name :	P8
Client Sample ID :	S5	Dilution Factor :	1
Date & Time Acquired :	2023-04-18 12:24:52	DataFile Name :	009CAL.S.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Krypton	83-1						cps
Lead	206-1	1232.81	1448.46	1234.50	1305.26	9.50	ppb
Lead	207-1	1212.60	1407.23	1249.36	1289.73	8.02	ppb
Lead	208-1	1216.06	1420.98	1251.11	1296.05	8.46	ppb
Lithium	6-1				99		%
Magnesium	24-2	26822.50	25962.40	26799.37	26528.09	1.85	ppb
Manganese	55-2	2629.98	2511.45	2557.12	2566.19	2.33	ppb
Molybdenum	94-1	2476.66	2913.26	2585.20	2658.37	8.55	ppb
Molybdenum	95-1	2407.28	2862.69	2535.71	2601.89	9.02	ppb
Molybdenum	96-1	2458.50	2875.13	2486.51	2606.71	8.93	ppb
Molybdenum	97-1	2519.94	2914.16	2514.02	2649.37	8.66	ppb
Molybdenum	98-1	2520.38	2878.60	2555.38	2651.45	7.45	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	260.09	250.61	250.52	253.74	2.17	ppb
Phosphorus	31-2	5094.54	4942.19	5013.07	5016.60	1.52	ppb
Potassium	39-2	12945.22	12351.37	12492.09	12596.23	2.46	ppb
Rhodium	103-1				98		%
Rhodium	103-2				97		%
Scandium	45-1				98		%
Scandium	45-2				100		%
Selenium	82-1	253.59	292.59	255.05	267.07	8.28	ppb
Selenium	77-2	292.86	239.07	223.77	251.90	14.41	ppb
Selenium	78-2	269.68	262.70	258.67	263.68	2.11	ppb
Silicon	28-1	223.75	296.33	298.68	272.92	15.61	ppb
Silver	107-1	245.61	287.40	256.76	263.26	8.22	ppb
Silver	109-1	244.15	282.19	254.97	260.44	7.53	ppb
Sodium	23-2	25948.73	24954.44	25865.89	25589.69	2.16	ppb
Strontium	86-1	6402.22	7286.95	6409.51	6699.56	7.59	ppb
Strontium	88-1	6259.56	7107.21	6461.92	6609.56	6.70	ppb
Sulfur	34-1	5453.93	7748.09	6445.28	6549.10	17.57	ppb
Terbium	159-1				100		%
Terbium	159-2				103		%
Thallium	203-1	235.20	266.66	239.25	247.04	6.93	ppb
Thallium	205-1	244.95	279.85	244.18	256.33	7.95	ppb
Tin	118-1	238.49	273.50	247.80	253.27	7.16	ppb

LB Number :	LB125034	Operator :	Jaswal
Lab Sample ID :	S5	Instrumnet Name :	P8
Client Sample ID :	S5	Dilution Factor :	1
Date & Time Acquired :	2023-04-18 12:24:52	DataFile Name :	009CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Titanium	47-1	2481.83	2802.99	2598.37	2627.73	6.19	ppb
Uranium	238-1	247.82	279.73	246.45	258.00	7.30	ppb
Vanadium	51-2	253.50	248.28	247.19	249.65	1.35	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				98		%
Yttrium	89-2				101		%
Zinc	66-2	2491.96	2425.37	2416.43	2444.59	1.69	ppb
Zirconium	90-1	245.27	291.90	261.37	266.18	8.90	ppb
Zirconium	91-1	241.98	280.82	246.28	256.36	8.31	ppb

LB Number :	LB125034	Operator :	Jaswal
Lab Sample ID :	S6	Instrumnet Name :	P8
Client Sample ID :	S6	Dilution Factor :	1
Date & Time Acquired :	2023-04-18 12:27:53	DataFile Name :	010CAL.S.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	10236.59	9934.44	9695.50	9955.51	2.72	ppb
Antimony	121-1	488.40	521.05	491.28	500.24	3.61	ppb
Arsenic	75-2	516.36	506.83	490.29	504.49	2.62	ppb
Barium	135-1	2435.02	2573.71	2472.79	2493.84	2.88	ppb
Barium	137-1	2431.11	2571.64	2479.28	2494.01	2.86	ppb
Beryllium	9-1	486.90	514.17	502.08	501.05	2.73	ppb
Bismuth	209-1				100		%
Bismuth	209-2				100		%
Boron	10-1	473.31	514.23	518.88	502.14	4.99	ppb
Boron	11-1	479.77	533.01	540.76	517.85	6.41	ppb
Bromine	81-1						cps
Cadmium	111-1	492.21	517.07	501.41	503.56	2.50	ppb
Cadmium	106-1	483.54	496.82	479.11	486.49	1.90	ppb
Cadmium	108-1	501.19	520.07	498.07	506.45	2.35	ppb
Calcium	43-1	55728.10	57435.22	58238.36	57133.89	2.24	ppb
Calcium	44-1	54514.59	54289.45	55242.35	54682.13	0.91	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	497.24	476.03	472.49	481.92	2.78	ppb
Cobalt	59-2	506.21	483.19	475.43	488.28	3.28	ppb
Copper	63-2	5045.74	4873.06	4924.58	4947.79	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				108		%
Holmium	165-2				103		%
Indium	115-1				101		%
Indium	115-2				99		%
Iron	54-2	28530.54	26743.50	27219.24	27497.76	3.37	ppb
Iron	56-2	27559.96	26067.03	27053.98	26893.65	2.82	ppb
Iron	57-2	26338.64	25027.41	25117.20	25494.41	2.87	ppb

LB Number :	LB125034	Operator :	Jaswal
Lab Sample ID :	S6	Instrumnet Name :	P8
Client Sample ID :	S6	Dilution Factor :	1
Date & Time Acquired :	2023-04-18 12:27:53	DataFile Name :	010CAL.S.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Krypton	83-1						cps
Lead	206-1	2492.28	2492.63	2497.30	2494.07	0.11	ppb
Lead	207-1	2518.02	2477.51	2502.57	2499.37	0.82	ppb
Lead	208-1	2530.67	2481.42	2518.08	2510.06	1.02	ppb
Lithium	6-1				101		%
Magnesium	24-2	52784.19	51995.71	50740.12	51840.01	1.99	ppb
Manganese	55-2	5124.18	4898.32	5012.98	5011.83	2.25	ppb
Molybdenum	94-1	4895.91	5113.98	5242.53	5084.14	3.45	ppb
Molybdenum	95-1	4877.16	4949.46	5155.46	4994.03	2.89	ppb
Molybdenum	96-1	4874.35	4956.91	5284.59	5038.61	4.31	ppb
Molybdenum	97-1	4902.50	4910.08	5145.92	4986.17	2.78	ppb
Molybdenum	98-1	4872.90	4921.13	5094.44	4962.82	2.35	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	517.29	495.25	487.36	499.96	3.10	ppb
Phosphorus	31-2	10317.99	10039.67	9465.03	9940.90	4.38	ppb
Potassium	39-2	26432.24	25399.85	25649.55	25827.21	2.09	ppb
Rhodium	103-1				100		%
Rhodium	103-2				99		%
Scandium	45-1				101		%
Scandium	45-2				99		%
Selenium	82-1	495.25	510.85	522.86	509.66	2.72	ppb
Selenium	77-2	545.17	544.59	522.23	537.33	2.43	ppb
Selenium	78-2	511.77	513.01	505.76	510.18	0.76	ppb
Silicon	28-1	434.29	536.34	598.42	523.02	15.84	ppb
Silver	107-1	489.23	523.46	498.72	503.80	3.51	ppb
Silver	109-1	503.71	520.44	495.16	506.44	2.54	ppb
Sodium	23-2	51742.81	50677.01	49539.95	50653.26	2.17	ppb
Strontium	86-1	12394.74	12602.30	13292.56	12763.20	3.68	ppb
Strontium	88-1	12102.64	12326.85	13157.70	12529.06	4.44	ppb
Sulfur	34-1	10359.08	11713.67	11858.43	11310.39	7.31	ppb
Terbium	159-1				104		%
Terbium	159-2				100		%
Thallium	203-1	489.81	502.40	507.87	500.03	1.85	ppb
Thallium	205-1	480.74	500.45	501.37	494.18	2.36	ppb
Tin	118-1	486.87	512.27	484.33	494.49	3.12	ppb

LB Number :	LB125034	Operator :	Jaswal
Lab Sample ID :	S6	Instrumnet Name :	P8
Client Sample ID :	S6	Dilution Factor :	1
Date & Time Acquired :	2023-04-18 12:27:53	DataFile Name :	010CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Titanium	47-1	4983.19	4927.35	5180.38	5030.31	2.64	ppb
Uranium	238-1	492.12	489.99	494.82	492.31	0.49	ppb
Vanadium	51-2	504.71	486.65	490.14	493.83	1.94	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				102		%
Yttrium	89-2				102		%
Zinc	66-2	4934.16	4759.25	4759.08	4817.50	2.10	ppb
Zirconium	90-1	490.53	504.37	519.30	504.74	2.85	ppb
Zirconium	91-1	474.00	493.45	514.55	494.00	4.11	ppb

LB Number :	LB125034	Operator :	Jaswal
Lab Sample ID :	S7	Instrumnet Name :	P8
Client Sample ID :	S7	Dilution Factor :	1
Date & Time Acquired :	2023-04-18 12:30:52	DataFile Name :	011CAL.S.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	20692.98	19777.86	19779.89	20083.58	2.63	ppb
Antimony	121-1	1007.39	1024.97	964.28	998.88	3.13	ppb
Arsenic	75-2	1003.76	997.83	985.54	995.71	0.93	ppb
Barium	135-1	4954.59	5232.11	4814.61	5000.44	4.25	ppb
Barium	137-1	4967.77	5087.01	4910.45	4988.41	1.81	ppb
Beryllium	9-1	957.77	1036.09	995.91	996.59	3.93	ppb
Bismuth	209-1				102		%
Bismuth	209-2				100		%
Boron	10-1	907.97	1047.76	1040.49	998.74	7.88	ppb
Boron	11-1	954.83	1001.24	1008.45	988.17	2.94	ppb
Bromine	81-1						cps
Cadmium	111-1	1017.76	1000.40	963.62	993.93	2.78	ppb
Cadmium	106-1	1015.71	1022.97	968.32	1002.33	2.96	ppb
Cadmium	108-1	1000.52	1013.82	962.81	992.39	2.67	ppb
Calcium	43-1	119727.40	115171.93	118560.65	117819.99	2.01	ppb
Calcium	44-1	106520.24	108462.40	109461.89	108148.18	1.38	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1072.51	1006.63	955.70	1011.62	5.79	ppb
Cobalt	59-2	1049.48	997.24	976.78	1007.83	3.72	ppb
Copper	63-2	10279.04	9917.21	9833.24	10009.83	2.37	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				109		%
Holmium	165-2				104		%
Indium	115-1				102		%
Indium	115-2				98		%
Iron	54-2	57133.78	55598.66	54980.72	55904.39	1.98	ppb
Iron	56-2	55876.18	54075.37	52241.79	54064.44	3.36	ppb
Iron	57-2	56838.47	54245.33	52967.07	54683.62	3.61	ppb

LB Number :	LB125034	Operator :	Jaswal
Lab Sample ID :	S7	Instrumnet Name :	P8
Client Sample ID :	S7	Dilution Factor :	1
Date & Time Acquired :	2023-04-18 12:30:52	DataFile Name :	011CAL.S.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Krypton	83-1						cps
Lead	206-1	4940.43	5087.97	4946.29	4991.56	1.67	ppb
Lead	207-1	4964.57	5013.91	5008.61	4995.70	0.54	ppb
Lead	208-1	4946.89	5021.21	4991.17	4986.43	0.75	ppb
Lithium	6-1				100		%
Magnesium	24-2	107462.28	104212.83	102959.35	104878.15	2.22	ppb
Manganese	55-2	10219.59	9894.45	9835.27	9983.10	2.07	ppb
Molybdenum	94-1	10143.43	9776.80	9820.75	9913.66	2.02	ppb
Molybdenum	95-1	10151.38	10022.33	9755.13	9976.28	2.03	ppb
Molybdenum	96-1	9987.49	10067.21	9800.69	9951.79	1.37	ppb
Molybdenum	97-1	10202.64	9984.04	9712.00	9966.23	2.47	ppb
Molybdenum	98-1	10142.27	10024.12	9763.11	9976.50	1.94	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	1028.06	978.40	990.44	998.97	2.59	ppb
Phosphorus	31-2	20994.99	18959.17	20141.29	20031.82	5.10	ppb
Potassium	39-2	53186.55	51401.23	50345.49	51644.42	2.78	ppb
Rhodium	103-1				99		%
Rhodium	103-2				98		%
Scandium	45-1				101		%
Scandium	45-2				99		%
Selenium	82-1	999.35	992.23	979.11	990.23	1.04	ppb
Selenium	77-2	984.36	975.01	981.30	980.22	0.49	ppb
Selenium	78-2	994.97	983.53	993.71	990.74	0.63	ppb
Silicon	28-1	869.91	995.83	1084.81	983.52	10.98	ppb
Silver	107-1	987.42	1007.61	987.51	994.18	1.17	ppb
Silver	109-1	992.70	995.86	992.66	993.74	0.18	ppb
Sodium	23-2	107403.97	100875.25	99262.58	102513.93	4.21	ppb
Strontium	86-1	24697.46	25227.01	24266.74	24730.40	1.94	ppb
Strontium	88-1	25002.17	25329.37	24291.52	24874.35	2.13	ppb
Sulfur	34-1	18881.18	18323.41	19436.80	18880.46	2.95	ppb
Terbium	159-1				105		%
Terbium	159-2				102		%
Thallium	203-1	988.19	1008.90	1008.69	1001.93	1.19	ppb
Thallium	205-1	981.83	1026.58	998.27	1002.23	2.26	ppb
Tin	118-1	1001.45	1034.01	970.89	1002.12	3.15	ppb

LB Number :	LB125034	Operator :	Jaswal
Lab Sample ID :	S7	Instrumnet Name :	P8
Client Sample ID :	S7	Dilution Factor :	1
Date & Time Acquired :	2023-04-18 12:30:52	DataFile Name :	011CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Titanium	47-1	9679.53	10029.04	10144.26	9950.94	2.43	ppb
Uranium	238-1	996.09	998.01	1014.71	1002.94	1.02	ppb
Vanadium	51-2	1039.85	988.54	981.90	1003.43	3.16	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				104		%
Yttrium	89-2				105		%
Zinc	66-2	10272.10	9977.80	10071.44	10107.12	1.49	ppb
Zirconium	90-1	988.59	1003.18	989.12	993.63	0.83	ppb
Zirconium	91-1	1004.45	1013.28	987.08	1001.60	1.33	ppb

LB Number :	LB125034	Operator :	Jaswal
Lab Sample ID :	S8	Instrumnet Name :	P8
Client Sample ID :	S8	Dilution Factor :	1
Date & Time Acquired :	2023-04-18 12:33:53	DataFile Name :	012CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	101740.90	100358.73	97853.12	99984.25	1.97	ppb
Antimony	121-1	0.43	0.46	0.60	0.50	17.94	ppb
Arsenic	75-2	0.20	0.21	0.24	0.22	8.40	ppb
Barium	135-1	3.10	2.73	3.05	2.96	6.86	ppb
Barium	137-1	3.07	3.10	2.88	3.02	3.98	ppb
Beryllium	9-1	0.37	0.36	0.34	0.36	4.17	ppb
Bismuth	209-1				93		%
Bismuth	209-2				93		%
Boron	10-1	75.33	69.36	66.91	70.53	6.14	ppb
Boron	11-1	76.89	71.54	67.65	72.02	6.44	ppb
Bromine	81-1						cps
Cadmium	111-1	0.27	0.28	0.22	0.26	11.63	ppb
Cadmium	106-1	-4.74	-4.66	-4.05	-4.48		ppb
Cadmium	108-1	0.39	0.64	0.41	0.48	28.36	ppb
Calcium	43-1	486254.30	500488.74	499581.99	495441.68	1.61	ppb
Calcium	44-1	483612.47	503711.83	505729.49	497684.60	2.46	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	7.48	7.47	7.16	7.37	2.46	ppb
Cobalt	59-2	0.86	0.81	0.86	0.84	2.95	ppb
Copper	63-2	1.56	1.49	1.54	1.53	2.39	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				103		%
Holmium	165-2				104		%
Indium	115-1				96		%
Indium	115-2				98		%
Iron	54-2	253760.16	245635.98	246155.53	248517.22	1.83	ppb
Iron	56-2	253123.21	247058.28	246619.46	248933.65	1.46	ppb
Iron	57-2	252483.72	252223.59	242259.40	248988.90	2.34	ppb

LB Number :	LB125034	Operator :	Jaswal
Lab Sample ID :	S8	Instrumnet Name :	P8
Client Sample ID :	S8	Dilution Factor :	1
Date & Time Acquired :	2023-04-18 12:33:53	DataFile Name :	012CAL.S.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Krypton	83-1						cps
Lead	206-1	1.00	0.89	0.87	0.92	7.78	ppb
Lead	207-1	1.00	0.85	0.81	0.89	11.37	ppb
Lead	208-1	0.99	0.86	0.83	0.89	9.48	ppb
Lithium	6-1				97		%
Magnesium	24-2	503989.62	499438.94	492786.10	498738.22	1.13	ppb
Manganese	55-2	4.61	4.66	4.59	4.62	0.84	ppb
Molybdenum	94-1	2.24	1.91	1.95	2.03	8.70	ppb
Molybdenum	95-1	1.87	1.85	1.72	1.81	4.52	ppb
Molybdenum	96-1	3.58	3.52	3.31	3.47	4.09	ppb
Molybdenum	97-1	2.32	2.09	1.95	2.12	8.60	ppb
Molybdenum	98-1	2.16	1.88	1.69	1.91	12.27	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	2.65	2.98	2.78	2.80	5.98	ppb
Phosphorus	31-2	8.38	6.25	6.17	6.93	18.09	ppb
Potassium	39-2	249862.34	247643.78	251244.70	249583.61	0.73	ppb
Rhodium	103-1				91		%
Rhodium	103-2				93		%
Scandium	45-1				99		%
Scandium	45-2				99		%
Selenium	82-1	0.82	0.93	0.54	0.77	26.30	ppb
Selenium	77-2	-0.68	0.31	0.32	-0.02		ppb
Selenium	78-2	0.33	1.23	0.26	0.60	89.66	ppb
Silicon	28-1	143.89	163.89	165.47	157.75	7.62	ppb
Silver	107-1	0.35	0.36	0.31	0.34	6.54	ppb
Silver	109-1	0.34	0.37	0.37	0.36	4.18	ppb
Sodium	23-2	502076.27	499921.85	496166.68	499388.27	0.60	ppb
Strontium	86-1	6.87	6.30	6.40	6.52	4.69	ppb
Strontium	88-1	6.70	6.37	6.19	6.42	3.98	ppb
Sulfur	34-1	-1767.04	-1574.07	-1195.83	-1512.31		ppb
Terbium	159-1				102		%
Terbium	159-2				102		%
Thallium	203-1	0.18	0.14	0.21	0.18	17.73	ppb
Thallium	205-1	0.21	0.17	0.20	0.19	12.05	ppb
Tin	118-1	0.32	0.32	0.31	0.32	1.97	ppb

LB Number :	LB125034	Operator :	Jaswal
Lab Sample ID :	S8	Instrumnet Name :	P8
Client Sample ID :	S8	Dilution Factor :	1
Date & Time Acquired :	2023-04-18 12:33:53	DataFile Name :	012CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Titanium	47-1	1.36	1.25	1.25	1.29	5.02	ppb
Uranium	238-1	0.07	0.06	0.06	0.07	8.09	ppb
Vanadium	51-2	0.32	0.22	0.29	0.28	18.55	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				99		%
Yttrium	89-2				103		%
Zinc	66-2	43.21	40.47	40.68	41.45	3.68	ppb
Zirconium	90-1	0.16	0.18	0.18	0.17	5.23	ppb
Zirconium	91-1	0.17	0.13	0.18	0.16	14.92	ppb

LB Number :	LB125034	Operator :	Jaswal
Lab Sample ID :	ICV52	Instrumnet Name :	P8
Client Sample ID :	ICV52	Dilution Factor :	1
Date & Time Acquired :	2023-04-18 12:50:03	DataFile Name :	014ICV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	536.49	532.93	503.09	524.17	3.50	ppb
Antimony	121-1	199.32	200.90	196.37	198.87	1.16	ppb
Arsenic	75-2	219.92	212.35	202.58	211.62	4.11	ppb
Barium	135-1	100.22	97.57	97.92	98.57	1.46	ppb
Barium	137-1	101.62	103.16	99.65	101.48	1.73	ppb
Beryllium	9-1	106.78	104.96	104.05	105.26	1.32	ppb
Bismuth	209-1				103		%
Bismuth	209-2				104		%
Boron	10-1	8.54	7.83	8.52	8.30	4.90	ppb
Boron	11-1	8.75	8.61	8.43	8.60	1.88	ppb
Bromine	81-1						cps
Cadmium	111-1	106.63	108.84	104.68	106.72	1.95	ppb
Cadmium	106-1	83.26	83.82	78.16	81.75	3.82	ppb
Cadmium	108-1	88.91	87.03	86.63	87.52	1.39	ppb
Calcium	43-1	2072.22	2122.28	2039.04	2077.84	2.02	ppb
Calcium	44-1	2107.33	2124.26	2033.02	2088.20	2.32	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	100.11	100.66	98.10	99.63	1.35	ppb
Cobalt	59-2	101.55	101.82	97.90	100.42	2.18	ppb
Copper	63-2	97.77	99.57	94.25	97.20	2.78	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				105		%
Holmium	165-2				103		%
Indium	115-1				103		%
Indium	115-2				104		%
Iron	54-2	2111.21	2108.83	2080.70	2100.25	0.81	ppb
Iron	56-2	2149.01	2120.95	2121.75	2130.57	0.75	ppb
Iron	57-2	2060.24	2019.88	1963.56	2014.56	2.41	ppb

LB Number :	LB125034	Operator :	Jaswal
Lab Sample ID :	ICV52	Instrumnet Name :	P8
Client Sample ID :	ICV52	Dilution Factor :	1
Date & Time Acquired :	2023-04-18 12:50:03	DataFile Name :	014ICV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Krypton	83-1						cps
Lead	206-1	205.32	204.04	199.97	203.11	1.38	ppb
Lead	207-1	198.34	199.35	194.70	197.46	1.24	ppb
Lead	208-1	204.28	205.44	199.84	203.19	1.45	ppb
Lithium	6-1				97		%
Magnesium	24-2	1173.80	1172.84	1128.41	1158.35	2.24	ppb
Manganese	55-2	97.05	95.59	95.34	96.00	0.96	ppb
Molybdenum	94-1	0.07	0.24	0.48	0.26	77.25	ppb
Molybdenum	95-1	0.14	0.11	0.32	0.19	60.46	ppb
Molybdenum	96-1	0.19	0.14	0.43	0.26	61.34	ppb
Molybdenum	97-1	0.11	0.10	0.39	0.20	83.46	ppb
Molybdenum	98-1	0.14	0.11	0.32	0.19	60.50	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	107.08	110.11	106.80	107.99	1.70	ppb
Phosphorus	31-2	20.84	19.87	12.87	17.86	24.33	ppb
Potassium	39-2	1984.93	2000.45	1906.51	1963.96	2.56	ppb
Rhodium	103-1				104		%
Rhodium	103-2				102		%
Scandium	45-1				103		%
Scandium	45-2				102		%
Selenium	82-1	217.29	216.63	216.01	216.64	0.30	ppb
Selenium	77-2	232.83	210.10	204.98	215.97	6.86	ppb
Selenium	78-2	223.16	207.48	202.65	211.10	5.08	ppb
Silicon	28-1	3.82	3.28	-0.73	2.12	117.17	ppb
Silver	107-1	51.61	50.80	49.42	50.61	2.19	ppb
Silver	109-1	51.78	51.40	49.66	50.95	2.22	ppb
Sodium	23-2	2000.65	2089.49	1948.96	2013.04	3.53	ppb
Strontium	86-1	0.25	0.41	1.15	0.60	79.36	ppb
Strontium	88-1	0.36	0.32	1.22	0.63	80.91	ppb
Sulfur	34-1	-571.22	-329.93	-1328.39	-743.18		ppb
Terbium	159-1				103		%
Terbium	159-2				101		%
Thallium	203-1	208.91	211.07	208.17	209.38	0.72	ppb
Thallium	205-1	218.68	214.42	209.93	214.34	2.04	ppb
Tin	118-1	0.26	0.25	0.28	0.26	5.45	ppb

LB Number :	LB125034	Operator :	Jaswal
Lab Sample ID :	ICV52	Instrumnet Name :	P8
Client Sample ID :	ICV52	Dilution Factor :	1
Date & Time Acquired :	2023-04-18 12:50:03	DataFile Name :	014ICV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Titanium	47-1	-0.04	0.07	0.33	0.12	158.12	ppb
Uranium	238-1	0.37	0.38	0.38	0.37	1.82	ppb
Vanadium	51-2	98.89	99.18	96.71	98.26	1.38	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				103		%
Yttrium	89-2				104		%
Zinc	66-2	209.46	211.07	207.95	209.50	0.75	ppb
Zirconium	90-1	0.02	0.03	0.04	0.03	39.04	ppb
Zirconium	91-1	0.05	0.05	0.09	0.06	39.66	ppb

LB Number :	LB125034	Operator :	Jaswal
Lab Sample ID :	LLICV	Instrumnet Name :	P8
Client Sample ID :	LLICV	Dilution Factor :	1
Date & Time Acquired :	2023-04-18 13:00:11	DataFile Name :	015LLIC.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	21.45	21.21	20.71	21.12	1.81	ppb
Antimony	121-1	2.03	2.05	1.97	2.02	1.92	ppb
Arsenic	75-2	1.13	1.11	1.17	1.13	2.68	ppb
Barium	135-1	9.94	9.74	10.05	9.91	1.59	ppb
Barium	137-1	9.41	9.71	10.00	9.71	3.03	ppb
Beryllium	9-1	1.08	1.19	1.10	1.12	5.21	ppb
Bismuth	209-1				100		%
Bismuth	209-2				104		%
Boron	10-1	25.64	28.16	29.46	27.75	7.00	ppb
Boron	11-1	26.34	29.91	30.65	28.97	7.95	ppb
Bromine	81-1						cps
Cadmium	111-1	1.00	0.96	1.16	1.04	9.77	ppb
Cadmium	106-1	-5.81	-6.28	-2.68	-4.92		ppb
Cadmium	108-1	1.03	0.74	0.69	0.82	22.47	ppb
Calcium	43-1	504.17	525.14	502.19	510.50	2.49	ppb
Calcium	44-1	501.32	521.54	503.95	508.94	2.16	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1.95	1.82	1.92	1.89	3.46	ppb
Cobalt	59-2	1.07	0.99	1.01	1.02	4.12	ppb
Copper	63-2	2.25	2.10	2.02	2.12	5.35	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				101		%
Indium	115-2				104		%
Iron	54-2	51.00	52.54	55.02	52.85	3.84	ppb
Iron	56-2	53.01	51.59	51.89	52.16	1.44	ppb
Iron	57-2	47.25	54.02	51.68	50.98	6.75	ppb

LB Number :	LB125034	Operator :	Jaswal
Lab Sample ID :	LLICV	Instrumnet Name :	P8
Client Sample ID :	LLICV	Dilution Factor :	1
Date & Time Acquired :	2023-04-18 13:00:11	DataFile Name :	015LLIC.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Krypton	83-1						cps
Lead	206-1	0.98	0.88	0.91	0.92	5.19	ppb
Lead	207-1	0.98	0.97	0.91	0.95	3.80	ppb
Lead	208-1	0.98	0.92	0.92	0.94	3.74	ppb
Lithium	6-1				98		%
Magnesium	24-2	518.75	506.60	515.90	513.75	1.24	ppb
Manganese	55-2	1.01	0.84	1.04	0.96	11.04	ppb
Molybdenum	94-1	5.41	6.05	5.85	5.77	5.65	ppb
Molybdenum	95-1	4.76	4.72	4.80	4.76	0.83	ppb
Molybdenum	96-1	4.86	5.06	4.86	4.93	2.34	ppb
Molybdenum	97-1	4.89	5.03	4.75	4.89	2.88	ppb
Molybdenum	98-1	4.64	5.02	4.84	4.83	4.02	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.91	0.99	0.90	0.93	5.20	ppb
Phosphorus	31-2	-11.67	-4.90	-9.07	-8.54		ppb
Potassium	39-2	511.85	488.61	491.03	497.16	2.57	ppb
Rhodium	103-1				102		%
Rhodium	103-2				103		%
Scandium	45-1				103		%
Scandium	45-2				102		%
Selenium	82-1	4.73	5.37	5.08	5.06	6.26	ppb
Selenium	77-2	1.26	7.95	6.04	5.08	67.80	ppb
Selenium	78-2	5.23	5.45	5.89	5.52	6.13	ppb
Silicon	28-1	-0.42	5.12	-0.08	1.54	201.79	ppb
Silver	107-1	0.99	1.05	1.13	1.05	6.45	ppb
Silver	109-1	1.00	0.95	1.01	0.99	2.86	ppb
Sodium	23-2	520.17	498.06	510.09	509.44	2.17	ppb
Strontium	86-1	0.99	1.08	0.96	1.01	6.04	ppb
Strontium	88-1	1.02	0.97	1.01	1.00	2.75	ppb
Sulfur	34-1	-746.91	-314.39	-596.47	-552.59		ppb
Terbium	159-1				102		%
Terbium	159-2				103		%
Thallium	203-1	0.99	0.94	0.96	0.96	2.97	ppb
Thallium	205-1	0.99	0.94	0.99	0.97	3.00	ppb
Tin	118-1	4.94	4.76	5.00	4.90	2.62	ppb

LB Number :	LB125034	Operator :	Jaswal
Lab Sample ID :	LLICV	Instrumnet Name :	P8
Client Sample ID :	LLICV	Dilution Factor :	1
Date & Time Acquired :	2023-04-18 13:00:11	DataFile Name :	015LLIC.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Titanium	47-1	4.95	5.51	4.83	5.09	7.10	ppb
Uranium	238-1	0.97	0.90	0.89	0.92	4.76	ppb
Vanadium	51-2	5.25	5.14	4.84	5.08	4.13	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				102		%
Yttrium	89-2				106		%
Zinc	66-2	1.88	2.36	2.01	2.08	11.89	ppb
Zirconium	90-1	0.94	0.99	0.98	0.97	2.64	ppb
Zirconium	91-1	0.82	0.98	0.90	0.90	8.60	ppb

LB Number :	LB125034	Operator :	Jaswal
Lab Sample ID :	ICB52	Instrumnet Name :	P8
Client Sample ID :	ICB52	Dilution Factor :	1
Date & Time Acquired :	2023-04-18 13:03:15	DataFile Name :	016CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	0.57	0.19	0.33	0.36	52.23	ppb
Antimony	121-1	0.01	0.02	0.02	0.02	9.25	ppb
Arsenic	75-2	0.00	-0.01	0.00	0.00		ppb
Barium	135-1	0.04	0.00	0.00	0.01	221.06	ppb
Barium	137-1	0.01	0.02	-0.01	0.01	157.84	ppb
Beryllium	9-1	0.04	0.03	0.03	0.03	17.77	ppb
Bismuth	209-1				103		%
Bismuth	209-2				104		%
Boron	10-1	6.14	5.30	5.44	5.63	8.03	ppb
Boron	11-1	6.38	6.01	5.58	5.99	6.73	ppb
Bromine	81-1						cps
Cadmium	111-1	-0.09	-0.05	-0.07	-0.07		ppb
Cadmium	106-1	-7.15	-5.37	-5.68	-6.07		ppb
Cadmium	108-1	-0.17	-0.08	0.31	0.02	1353.65	ppb
Calcium	43-1	-0.50	-2.00	-3.92	-2.14		ppb
Calcium	44-1	-1.54	-4.52	-6.09	-4.05		ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	0.00	-0.01	-0.02	-0.01		ppb
Cobalt	59-2	0.00	-0.02	0.00	0.00		ppb
Copper	63-2	0.05	0.01	0.06	0.04	62.68	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				105		%
Holmium	165-2				104		%
Indium	115-1				103		%
Indium	115-2				104		%
Iron	54-2	-1.97	-1.72	3.03	-0.22		ppb
Iron	56-2	-0.07	0.05	0.33	0.10	200.15	ppb
Iron	57-2	-1.44	0.02	-0.17	-0.53		ppb

LB Number :	LB125034	Operator :	Jaswal
Lab Sample ID :	ICB52	Instrumnet Name :	P8
Client Sample ID :	ICB52	Dilution Factor :	1
Date & Time Acquired :	2023-04-18 13:03:15	DataFile Name :	016CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Krypton	83-1						cps
Lead	206-1	-0.01	0.00	-0.03	-0.01		ppb
Lead	207-1	0.00	-0.01	-0.02	-0.01		ppb
Lead	208-1	0.01	0.00	0.00	0.00	267.94	ppb
Lithium	6-1				101		%
Magnesium	24-2	0.19	0.90	0.57	0.55	64.87	ppb
Manganese	55-2	0.02	0.06	-0.01	0.03	135.50	ppb
Molybdenum	94-1	0.04	0.06	0.00	0.03	87.77	ppb
Molybdenum	95-1	0.01	0.02	0.03	0.02	27.65	ppb
Molybdenum	96-1	0.01	0.02	0.04	0.03	55.71	ppb
Molybdenum	97-1	0.02	0.04	0.02	0.02	43.30	ppb
Molybdenum	98-1	0.01	0.01	0.01	0.01	16.34	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	-0.07	-0.06	-0.05	-0.06		ppb
Phosphorus	31-2	-37.92	0.01	2.90	-11.67		ppb
Potassium	39-2	-8.60	-14.94	-1.68	-8.41		ppb
Rhodium	103-1				104		%
Rhodium	103-2				104		%
Scandium	45-1				102		%
Scandium	45-2				103		%
Selenium	82-1	-0.18	-0.13	-0.68	-0.33		ppb
Selenium	77-2	-0.68	0.28	-0.68	-0.36		ppb
Selenium	78-2	0.59	1.56	-0.20	0.65	135.67	ppb
Silicon	28-1	-0.08	-4.55	-5.91	-3.52		ppb
Silver	107-1	-0.01	0.00	0.01	0.00	489.50	ppb
Silver	109-1	0.00	0.00	-0.01	0.00		ppb
Sodium	23-2	2.85	5.77	11.83	6.81	67.16	ppb
Strontium	86-1	0.03	-0.06	0.05	0.01	936.77	ppb
Strontium	88-1	0.04	-0.02	-0.02	0.00	8157.33	ppb
Sulfur	34-1	-178.93	-627.10	-951.95	-585.99		ppb
Terbium	159-1				102		%
Terbium	159-2				101		%
Thallium	203-1	0.00	-0.02	0.00	0.00		ppb
Thallium	205-1	0.00	-0.01	-0.01	-0.01		ppb
Tin	118-1	-0.01	-0.01	-0.05	-0.03		ppb

LB Number :	LB125034	Operator :	Jaswal
Lab Sample ID :	ICB52	Instrumnet Name :	P8
Client Sample ID :	ICB52	Dilution Factor :	1
Date & Time Acquired :	2023-04-18 13:03:15	DataFile Name :	016CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Titanium	47-1	-0.02	-0.10	-0.05	-0.06		ppb
Uranium	238-1	0.00	0.00	0.00	0.00		ppb
Vanadium	51-2	-0.01	-0.01	0.00	0.00		ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				103		%
Yttrium	89-2				106		%
Zinc	66-2	-0.06	0.13	-0.05	0.00	2485.88	ppb
Zirconium	90-1	0.00	0.00	0.01	0.00	333.85	ppb
Zirconium	91-1	-0.01	-0.04	-0.03	-0.03		ppb

LB Number :	LB125034	Operator :	Jaswal
Lab Sample ID :	ICSA52	Instrumnet Name :	P8
Client Sample ID :	ICSA52	Dilution Factor :	1
Date & Time Acquired :	2023-04-18 13:06:22	DataFile Name :	017ICSA.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	98686.41	95613.03	96426.16	96908.54	1.64	ppb
Antimony	121-1	1.12	1.11	1.10	1.11	1.14	ppb
Arsenic	75-2	0.46	0.40	0.39	0.42	9.01	ppb
Barium	135-1	1.25	1.35	1.25	1.28	4.54	ppb
Barium	137-1	1.46	1.35	1.37	1.40	4.11	ppb
Beryllium	9-1	0.29	0.33	0.29	0.31	7.35	ppb
Bismuth	209-1				99		%
Bismuth	209-2				98		%
Boron	10-1	5.68	5.41	5.64	5.58	2.62	ppb
Boron	11-1	5.75	5.75	5.42	5.64	3.37	ppb
Bromine	81-1						cps
Cadmium	111-1	0.62	0.44	0.45	0.50	20.50	ppb
Cadmium	106-1	-4.45	-7.87	-8.13	-6.82		ppb
Cadmium	108-1	13.64	13.31	13.01	13.32	2.37	ppb
Calcium	43-1	105231.86	106644.82	103577.50	105151.39	1.46	ppb
Calcium	44-1	100231.57	104039.17	101835.54	102035.43	1.87	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	18.82	19.35	18.48	18.88	2.32	ppb
Cobalt	59-2	1.19	1.04	1.05	1.09	7.86	ppb
Copper	63-2	7.04	7.31	7.15	7.17	1.89	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				105		%
Indium	115-1				103		%
Indium	115-2				102		%
Iron	54-2	104505.13	101176.27	100067.26	101916.22	2.27	ppb
Iron	56-2	102900.53	100941.24	100767.33	101536.37	1.17	ppb
Iron	57-2	105527.89	104091.76	102001.35	103873.67	1.71	ppb

LB Number :	LB125034	Operator :	Jaswal
Lab Sample ID :	ICSA52	Instrumnet Name :	P8
Client Sample ID :	ICSA52	Dilution Factor :	1
Date & Time Acquired :	2023-04-18 13:06:22	DataFile Name :	017ICSA.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Krypton	83-1						cps
Lead	206-1	5.37	5.81	5.55	5.58	3.98	ppb
Lead	207-1	5.11	5.60	5.24	5.32	4.79	ppb
Lead	208-1	5.27	5.67	5.37	5.44	3.83	ppb
Lithium	6-1				101		%
Magnesium	24-2	94900.74	92810.93	93350.02	93687.23	1.16	ppb
Manganese	55-2	7.33	7.04	7.10	7.16	2.18	ppb
Molybdenum	94-1	1516.69	1546.34	1538.61	1533.88	1.00	ppb
Molybdenum	95-1	1818.27	1814.63	1864.22	1832.37	1.51	ppb
Molybdenum	96-1	1781.56	1769.43	1781.97	1777.66	0.40	ppb
Molybdenum	97-1	1804.23	1797.02	1860.50	1820.58	1.91	ppb
Molybdenum	98-1	1765.78	1797.93	1872.44	1812.05	3.02	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	5.16	5.23	5.42	5.27	2.57	ppb
Phosphorus	31-2	95406.92	94042.75	95065.12	94838.26	0.75	ppb
Potassium	39-2	99740.18	96872.54	97470.32	98027.68	1.54	ppb
Rhodium	103-1				100		%
Rhodium	103-2				98		%
Scandium	45-1				103		%
Scandium	45-2				101		%
Selenium	82-1	-0.16	0.29	-0.21	-0.02		ppb
Selenium	77-2	-0.68	0.28	-0.68	-0.36		ppb
Selenium	78-2	0.07	-0.74	-0.42	-0.36		ppb
Silicon	28-1	15.84	21.50	18.29	18.54	15.32	ppb
Silver	107-1	0.03	0.00	0.03	0.02	70.70	ppb
Silver	109-1	0.02	0.03	0.03	0.02	25.19	ppb
Sodium	23-2	99746.58	97703.88	97744.67	98398.38	1.19	ppb
Strontium	86-1	33.28	33.54	34.21	33.68	1.43	ppb
Strontium	88-1	33.11	34.22	33.90	33.74	1.70	ppb
Sulfur	34-1	92284.76	94051.83	92316.60	92884.40	1.09	ppb
Terbium	159-1				105		%
Terbium	159-2				103		%
Thallium	203-1	0.11	0.09	0.12	0.11	14.23	ppb
Thallium	205-1	0.10	0.12	0.13	0.12	14.04	ppb
Tin	118-1	0.11	0.09	0.11	0.10	6.23	ppb

LB Number :	LB125034	Operator :	Jaswal
Lab Sample ID :	ICSA52	Instrumnet Name :	P8
Client Sample ID :	ICSA52	Dilution Factor :	1
Date & Time Acquired :	2023-04-18 13:06:22	DataFile Name :	017ICSA.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Titanium	47-1	2029.96	2048.13	2060.56	2046.22	0.75	ppb
Uranium	238-1	0.01	0.01	0.01	0.01	45.07	ppb
Vanadium	51-2	0.16	0.19	0.13	0.16	18.18	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				104		%
Yttrium	89-2				105		%
Zinc	66-2	9.44	9.73	9.68	9.61	1.63	ppb
Zirconium	90-1	0.01	0.02	0.02	0.02	46.01	ppb
Zirconium	91-1	-0.01	-0.01	-0.01	-0.01		ppb

LB Number :	LB125034	Operator :	Jaswal
Lab Sample ID :	ICSAB52	Instrumnet Name :	P8
Client Sample ID :	ICSAB52	Dilution Factor :	1
Date & Time Acquired :	2023-04-18 13:10:01	DataFile Name :	018ICSB.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	96702.83	95650.79	91731.33	94694.98	2.77	ppb
Antimony	121-1	20.38	20.12	20.06	20.19	0.85	ppb
Arsenic	75-2	22.16	21.25	20.88	21.43	3.07	ppb
Barium	135-1	20.23	20.42	20.42	20.36	0.55	ppb
Barium	137-1	20.65	21.15	20.91	20.90	1.19	ppb
Beryllium	9-1	20.05	20.16	19.58	19.93	1.52	ppb
Bismuth	209-1				100		%
Bismuth	209-2				100		%
Boron	10-1	4.60	4.24	4.08	4.31	6.12	ppb
Boron	11-1	4.67	4.32	4.18	4.39	5.67	ppb
Bromine	81-1						cps
Cadmium	111-1	20.14	20.40	19.69	20.08	1.78	ppb
Cadmium	106-1	2.79	6.25	11.22	6.75	62.76	ppb
Cadmium	108-1	28.62	27.09	28.29	28.00	2.87	ppb
Calcium	43-1	104176.42	103069.14	105102.12	104115.90	0.98	ppb
Calcium	44-1	104401.42	102210.06	100601.17	102404.22	1.86	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	37.77	39.20	37.66	38.21	2.24	ppb
Cobalt	59-2	20.36	20.08	19.75	20.07	1.53	ppb
Copper	63-2	25.99	25.63	25.34	25.65	1.26	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				108		%
Holmium	165-2				104		%
Indium	115-1				104		%
Indium	115-2				101		%
Iron	54-2	100940.82	101401.77	100617.30	100986.63	0.39	ppb
Iron	56-2	103323.14	103427.03	101671.20	102807.13	0.96	ppb
Iron	57-2	105159.83	102382.74	102380.86	103307.81	1.55	ppb

LB Number :	LB125034	Operator :	Jaswal
Lab Sample ID :	ICSAB52	Instrumnet Name :	P8
Client Sample ID :	ICSAB52	Dilution Factor :	1
Date & Time Acquired :	2023-04-18 13:10:01	DataFile Name :	018ICSB.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Krypton	83-1						cps
Lead	206-1	28.79	26.65	28.49	27.98	4.13	ppb
Lead	207-1	27.95	26.51	27.38	27.28	2.66	ppb
Lead	208-1	27.56	26.46	27.52	27.18	2.29	ppb
Lithium	6-1				101		%
Magnesium	24-2	94098.72	95278.46	92532.98	93970.05	1.47	ppb
Manganese	55-2	26.15	25.47	24.99	25.54	2.27	ppb
Molybdenum	94-1	1577.07	1537.73	1507.05	1540.62	2.28	ppb
Molybdenum	95-1	1881.80	1805.75	1795.53	1827.69	2.58	ppb
Molybdenum	96-1	1849.18	1821.81	1782.20	1817.73	1.85	ppb
Molybdenum	97-1	1905.27	1874.35	1887.79	1889.13	0.82	ppb
Molybdenum	98-1	1845.28	1852.84	1839.89	1846.00	0.35	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	25.71	24.69	24.58	24.99	2.49	ppb
Phosphorus	31-2	96826.53	95094.38	91645.19	94522.04	2.79	ppb
Potassium	39-2	99038.16	97614.14	94954.89	97202.40	2.13	ppb
Rhodium	103-1				102		%
Rhodium	103-2				98		%
Scandium	45-1				102		%
Scandium	45-2				100		%
Selenium	82-1	20.72	19.85	19.87	20.15	2.47	ppb
Selenium	77-2	15.34	21.52	22.49	19.78	19.62	ppb
Selenium	78-2	20.83	18.80	21.79	20.47	7.46	ppb
Silicon	28-1	20.91	20.98	15.35	19.08	16.91	ppb
Silver	107-1	18.38	17.94	18.19	18.17	1.20	ppb
Silver	109-1	18.67	18.50	18.13	18.43	1.49	ppb
Sodium	23-2	100663.92	97491.39	97190.80	98448.70	1.95	ppb
Strontium	86-1	34.69	33.71	34.62	34.34	1.59	ppb
Strontium	88-1	34.55	33.64	33.90	34.03	1.38	ppb
Sulfur	34-1	92248.00	91182.91	91997.66	91809.52	0.61	ppb
Terbium	159-1				106		%
Terbium	159-2				103		%
Thallium	203-1	22.11	21.55	22.77	22.14	2.76	ppb
Thallium	205-1	22.84	21.62	22.48	22.31	2.81	ppb
Tin	118-1	0.11	0.14	0.08	0.11	30.25	ppb

LB Number :	LB125034	Operator :	Jaswal
Lab Sample ID :	ICSAB52	Instrumnet Name :	P8
Client Sample ID :	ICSAB52	Dilution Factor :	1
Date & Time Acquired :	2023-04-18 13:10:01	DataFile Name :	018ICSB.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Titanium	47-1	2088.40	2056.70	2051.78	2065.63	0.96	ppb
Uranium	238-1	0.02	0.02	0.01	0.02	4.57	ppb
Vanadium	51-2	19.54	19.68	19.21	19.47	1.23	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				103		%
Yttrium	89-2				101		%
Zinc	66-2	29.70	27.34	29.48	28.84	4.51	ppb
Zirconium	90-1	0.01	0.00	0.01	0.01	107.18	ppb
Zirconium	91-1	-0.01	-0.03	-0.02	-0.02		ppb

LB Number :	LB125034	Operator :	Jaswal
Lab Sample ID :	CCV27	Instrumnet Name :	P8
Client Sample ID :	CCV27	Dilution Factor :	1
Date & Time Acquired :	2023-04-18 13:12:59	DataFile Name :	019CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	52643.84	51817.83	52239.15	52233.61	0.79	ppb
Antimony	121-1	490.91	494.52	514.19	499.87	2.51	ppb
Arsenic	75-2	511.02	506.76	511.01	509.59	0.48	ppb
Barium	135-1	2497.53	2648.77	2597.47	2581.25	2.98	ppb
Barium	137-1	2534.49	2628.24	2718.81	2627.18	3.51	ppb
Beryllium	9-1	487.24	493.45	477.55	486.08	1.65	ppb
Bismuth	209-1				98		%
Bismuth	209-2				99		%
Boron	10-1	471.92	508.80	501.88	494.20	3.97	ppb
Boron	11-1	483.74	524.84	526.01	511.53	4.71	ppb
Bromine	81-1						cps
Cadmium	111-1	508.68	520.93	524.00	517.87	1.56	ppb
Cadmium	106-1	509.31	521.31	532.23	520.95	2.20	ppb
Cadmium	108-1	504.87	519.29	532.50	518.89	2.66	ppb
Calcium	43-1	259536.60	264688.61	266929.38	263718.19	1.44	ppb
Calcium	44-1	251830.32	256360.23	256342.31	254844.29	1.02	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	503.08	500.34	488.09	497.17	1.61	ppb
Cobalt	59-2	502.20	488.90	490.66	493.92	1.46	ppb
Copper	63-2	5262.76	5211.69	5096.37	5190.27	1.64	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				107		%
Holmium	165-2				106		%
Indium	115-1				103		%
Indium	115-2				101		%
Iron	54-2	133426.08	131917.23	129998.46	131780.59	1.30	ppb
Iron	56-2	131002.74	130260.20	129273.16	130178.70	0.67	ppb
Iron	57-2	132593.88	129908.23	129294.71	130598.94	1.34	ppb

LB Number :	LB125034	Operator :	Jaswal
Lab Sample ID :	CCV27	Instrumnet Name :	P8
Client Sample ID :	CCV27	Dilution Factor :	1
Date & Time Acquired :	2023-04-18 13:12:59	DataFile Name :	019CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Krypton	83-1						cps
Lead	206-1	2532.63	2652.02	2582.28	2588.98	2.32	ppb
Lead	207-1	2525.33	2651.94	2625.73	2601.00	2.57	ppb
Lead	208-1	2535.72	2638.03	2597.52	2590.42	1.99	ppb
Lithium	6-1				101		%
Magnesium	24-2	254801.96	255244.86	252929.01	254325.28	0.48	ppb
Manganese	55-2	5120.28	5117.52	5158.87	5132.22	0.45	ppb
Molybdenum	94-1	5070.80	5327.49	5215.12	5204.47	2.47	ppb
Molybdenum	95-1	5002.01	5308.87	5265.00	5191.96	3.20	ppb
Molybdenum	96-1	5073.50	5304.51	5275.47	5217.83	2.41	ppb
Molybdenum	97-1	5131.84	5210.49	5193.18	5178.50	0.80	ppb
Molybdenum	98-1	5215.71	5200.97	5218.68	5211.79	0.18	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	507.11	494.01	490.57	497.23	1.76	ppb
Phosphorus	31-2	10357.90	10252.27	10008.51	10206.23	1.76	ppb
Potassium	39-2	129772.61	129632.31	125626.34	128343.75	1.83	ppb
Rhodium	103-1				97		%
Rhodium	103-2				97		%
Scandium	45-1				103		%
Scandium	45-2				102		%
Selenium	82-1	498.61	514.27	513.41	508.77	1.73	ppb
Selenium	77-2	523.21	494.03	530.64	515.96	3.75	ppb
Selenium	78-2	503.22	504.87	524.55	510.88	2.32	ppb
Silicon	28-1	372.91	425.91	454.45	417.76	9.90	ppb
Silver	107-1	506.38	523.86	542.12	524.12	3.41	ppb
Silver	109-1	506.29	532.65	533.30	524.08	2.94	ppb
Sodium	23-2	239429.94	244170.55	235208.75	239603.08	1.87	ppb
Strontium	86-1	12876.74	13466.73	12793.76	13045.75	2.81	ppb
Strontium	88-1	12774.17	13342.51	13027.86	13048.18	2.18	ppb
Sulfur	34-1	10758.84	11130.47	11092.47	10993.93	1.86	ppb
Terbium	159-1				106		%
Terbium	159-2				101		%
Thallium	203-1	501.89	514.14	525.84	513.96	2.33	ppb
Thallium	205-1	508.26	521.81	521.15	517.07	1.48	ppb
Tin	118-1	483.75	524.62	530.22	512.86	4.95	ppb

LB Number :	LB125034	Operator :	Jaswal
Lab Sample ID :	CCV27	Instrumnet Name :	P8
Client Sample ID :	CCV27	Dilution Factor :	1
Date & Time Acquired :	2023-04-18 13:12:59	DataFile Name :	019CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Titanium	47-1	5094.27	5097.23	5110.30	5100.60	0.17	ppb
Uranium	238-1	511.96	535.81	529.64	525.80	2.35	ppb
Vanadium	51-2	525.39	516.69	505.93	516.01	1.89	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				104		%
Yttrium	89-2				106		%
Zinc	66-2	4997.48	4927.01	4848.95	4924.48	1.51	ppb
Zirconium	90-1	505.40	528.11	511.56	515.02	2.28	ppb
Zirconium	91-1	505.91	514.40	510.89	510.40	0.84	ppb

LB Number :	LB125034	Operator :	Jaswal
Lab Sample ID :	CCB27	Instrumnet Name :	P8
Client Sample ID :	CCB27	Dilution Factor :	1
Date & Time Acquired :	2023-04-18 13:20:27	DataFile Name :	020CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	0.54	0.82	0.63	0.66	21.62	ppb
Antimony	121-1	0.08	0.07	0.07	0.07	12.54	ppb
Arsenic	75-2	-0.01	0.01	-0.01	0.00		ppb
Barium	135-1	0.09	0.04	-0.01	0.04	126.93	ppb
Barium	137-1	0.10	0.02	0.00	0.04	139.53	ppb
Beryllium	9-1	0.07	0.06	0.06	0.06	11.98	ppb
Bismuth	209-1				98		%
Bismuth	209-2				103		%
Boron	10-1	9.88	8.49	8.15	8.84	10.37	ppb
Boron	11-1	9.73	9.06	8.45	9.08	7.07	ppb
Bromine	81-1						cps
Cadmium	111-1	-0.06	-0.13	-0.09	-0.09		ppb
Cadmium	106-1	-7.90	-9.51	-8.54	-8.65		ppb
Cadmium	108-1	-0.16	0.12	-0.18	-0.07		ppb
Calcium	43-1	8.91	-0.22	-1.07	2.54	218.03	ppb
Calcium	44-1	12.45	0.33	-1.29	3.83	195.91	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	0.02	-0.04	-0.04	-0.02		ppb
Cobalt	59-2	-0.02	-0.02	0.00	-0.01		ppb
Copper	63-2	0.25	0.20	0.15	0.20	26.36	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				102		%
Holmium	165-2				104		%
Indium	115-1				99		%
Indium	115-2				103		%
Iron	54-2	1.43	2.61	0.07	1.37	92.68	ppb
Iron	56-2	0.84	0.93	0.96	0.91	6.99	ppb
Iron	57-2	0.39	1.18	4.40	1.99	106.67	ppb

LB Number :	LB125034	Operator :	Jaswal
Lab Sample ID :	CCB27	Instrumnet Name :	P8
Client Sample ID :	CCB27	Dilution Factor :	1
Date & Time Acquired :	2023-04-18 13:20:27	DataFile Name :	020CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Krypton	83-1						cps
Lead	206-1	0.15	0.05	0.08	0.09	57.85	ppb
Lead	207-1	0.18	0.12	0.09	0.13	36.22	ppb
Lead	208-1	0.17	0.08	0.08	0.11	50.08	ppb
Lithium	6-1				96		%
Magnesium	24-2	0.71	0.99	2.34	1.34	65.20	ppb
Manganese	55-2	0.00	0.02	0.00	0.01	114.46	ppb
Molybdenum	94-1	0.45	0.22	0.18	0.28	53.10	ppb
Molybdenum	95-1	0.37	0.30	0.22	0.29	25.85	ppb
Molybdenum	96-1	0.34	0.28	0.14	0.25	38.93	ppb
Molybdenum	97-1	0.38	0.22	0.16	0.25	45.37	ppb
Molybdenum	98-1	0.34	0.22	0.15	0.24	41.04	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	-0.07	-0.07	-0.03	-0.06		ppb
Phosphorus	31-2	-32.10	-16.60	14.92	-11.26		ppb
Potassium	39-2	19.07	15.40	16.57	17.01	11.00	ppb
Rhodium	103-1				97		%
Rhodium	103-2				101		%
Scandium	45-1				97		%
Scandium	45-2				99		%
Selenium	82-1	0.45	0.21	-0.15	0.17	174.20	ppb
Selenium	77-2	-0.68	-0.68	-0.68	-0.68		ppb
Selenium	78-2	1.77	0.21	0.27	0.75	118.12	ppb
Silicon	28-1	19.59	1.66	-1.77	6.49	176.63	ppb
Silver	107-1	0.00	0.02	0.00	0.01	124.54	ppb
Silver	109-1	0.03	0.03	0.01	0.02	47.37	ppb
Sodium	23-2	35.82	37.53	35.98	36.44	2.58	ppb
Strontium	86-1	0.38	0.14	0.06	0.19	87.06	ppb
Strontium	88-1	0.37	0.11	0.01	0.17	110.49	ppb
Sulfur	34-1	301.17	-567.20	-1017.63	-427.89		ppb
Terbium	159-1				99		%
Terbium	159-2				102		%
Thallium	203-1	0.05	0.07	0.04	0.05	27.43	ppb
Thallium	205-1	0.09	0.06	0.05	0.07	31.67	ppb
Tin	118-1	0.03	-0.02	-0.03	0.00		ppb

LB Number :	LB125034	Operator :	Jaswal
Lab Sample ID :	CCB27	Instrumnet Name :	P8
Client Sample ID :	CCB27	Dilution Factor :	1
Date & Time Acquired :	2023-04-18 13:20:27	DataFile Name :	020CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Titanium	47-1	0.10	0.01	-0.04	0.02	271.43	ppb
Uranium	238-1	0.01	0.00	0.00	0.00	293.96	ppb
Vanadium	51-2	-0.01	-0.01	0.00	-0.01		ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				99		%
Yttrium	89-2				103		%
Zinc	66-2	0.17	0.00	0.04	0.07	126.26	ppb
Zirconium	90-1	0.03	0.01	0.00	0.01	109.71	ppb
Zirconium	91-1	-0.01	-0.04	-0.01	-0.02		ppb

LB Number :	LB125034	Operator :	Jaswal
Lab Sample ID :	CRI	Instrumnet Name :	P8
Client Sample ID :	CRI	Dilution Factor :	1
Date & Time Acquired :	2023-04-18 13:23:31	DataFile Name :	021LLCC.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	22.21	20.82	21.30	21.44	3.29	ppb
Antimony	121-1	2.10	2.05	2.05	2.07	1.27	ppb
Arsenic	75-2	1.19	1.09	1.01	1.10	8.21	ppb
Barium	135-1	9.46	9.94	10.32	9.91	4.33	ppb
Barium	137-1	10.12	10.58	10.27	10.32	2.24	ppb
Beryllium	9-1	1.10	1.19	1.15	1.15	4.15	ppb
Bismuth	209-1				101		%
Bismuth	209-2				102		%
Boron	10-1	27.06	28.48	30.19	28.57	5.48	ppb
Boron	11-1	28.49	30.36	31.78	30.21	5.47	ppb
Bromine	81-1						cps
Cadmium	111-1	1.04	1.05	1.22	1.10	9.43	ppb
Cadmium	106-1	-3.33	-5.31	-3.93	-4.19		ppb
Cadmium	108-1	0.75	0.57	1.10	0.81	33.46	ppb
Calcium	43-1	522.32	531.76	542.38	532.15	1.89	ppb
Calcium	44-1	524.90	530.43	538.44	531.26	1.28	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	2.02	1.93	1.89	1.95	3.34	ppb
Cobalt	59-2	1.13	1.00	1.03	1.05	6.47	ppb
Copper	63-2	2.36	2.36	2.31	2.34	1.23	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				103		%
Holmium	165-2				101		%
Indium	115-1				102		%
Indium	115-2				102		%
Iron	54-2	58.71	54.15	52.24	55.03	6.03	ppb
Iron	56-2	54.78	53.37	52.10	53.41	2.51	ppb
Iron	57-2	58.82	42.03	55.79	52.21	17.14	ppb

LB Number :	LB125034	Operator :	Jaswal
Lab Sample ID :	CRI	Instrumnet Name :	P8
Client Sample ID :	CRI	Dilution Factor :	1
Date & Time Acquired :	2023-04-18 13:23:31	DataFile Name :	021LLCC.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Krypton	83-1						cps
Lead	206-1	0.87	0.95	1.07	0.96	10.81	ppb
Lead	207-1	0.90	0.97	0.94	0.94	3.58	ppb
Lead	208-1	0.93	0.98	1.00	0.97	3.68	ppb
Lithium	6-1				97		%
Magnesium	24-2	526.08	517.16	513.26	518.83	1.27	ppb
Manganese	55-2	1.12	1.03	1.11	1.09	4.46	ppb
Molybdenum	94-1	5.62	6.00	5.86	5.83	3.28	ppb
Molybdenum	95-1	5.08	4.99	4.92	5.00	1.58	ppb
Molybdenum	96-1	5.08	5.12	5.08	5.09	0.47	ppb
Molybdenum	97-1	4.93	5.67	5.20	5.26	7.10	ppb
Molybdenum	98-1	5.06	4.97	4.84	4.96	2.21	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	1.06	0.93	0.88	0.95	9.77	ppb
Phosphorus	31-2	22.13	2.59	-29.05	-1.45		ppb
Potassium	39-2	541.16	499.49	498.88	513.18	4.72	ppb
Rhodium	103-1				103		%
Rhodium	103-2				101		%
Scandium	45-1				100		%
Scandium	45-2				99		%
Selenium	82-1	5.22	4.88	4.98	5.02	3.50	ppb
Selenium	77-2	7.16	6.19	4.24	5.86	25.40	ppb
Selenium	78-2	6.55	5.00	6.07	5.88	13.50	ppb
Silicon	28-1	6.47	1.74	7.70	5.31	59.28	ppb
Silver	107-1	1.00	1.10	1.05	1.05	4.89	ppb
Silver	109-1	1.02	1.17	1.08	1.09	7.11	ppb
Sodium	23-2	549.33	543.04	532.35	541.57	1.58	ppb
Strontium	86-1	1.17	1.09	0.97	1.07	9.41	ppb
Strontium	88-1	1.07	0.99	1.04	1.03	3.77	ppb
Sulfur	34-1	-801.95	-906.39	-738.58	-815.64		ppb
Terbium	159-1				101		%
Terbium	159-2				101		%
Thallium	203-1	0.91	1.08	0.97	0.99	8.69	ppb
Thallium	205-1	0.97	0.98	1.03	0.99	3.10	ppb
Tin	118-1	4.76	4.89	5.03	4.89	2.81	ppb

LB Number :	LB125034	Operator :	Jaswal
Lab Sample ID :	CRI	Instrumnet Name :	P8
Client Sample ID :	CRI	Dilution Factor :	1
Date & Time Acquired :	2023-04-18 13:23:31	DataFile Name :	021LLCC.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Titanium	47-1	5.15	5.01	5.35	5.17	3.29	ppb
Uranium	238-1	0.92	0.99	0.99	0.97	4.06	ppb
Vanadium	51-2	5.13	5.13	4.93	5.06	2.33	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	2.54	2.39	1.78	2.24	18.11	ppb
Zirconium	90-1	0.98	0.95	1.03	0.99	4.14	ppb
Zirconium	91-1	0.95	0.96	0.98	0.96	1.66	ppb

LB Number :	LB125034	Operator :	Jaswal
Lab Sample ID :	PB152017BL	Instrumnet Name :	P8
Client Sample ID :	PB152017BL	Dilution Factor :	1
Date & Time Acquired :	2023-04-18 13:26:37	DataFile Name :	022CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	0.02	0.16	-0.18	0.00		ppb
Antimony	121-1	0.01	0.03	0.02	0.02	55.15	ppb
Arsenic	75-2	0.00	-0.01	0.02	0.00	261.46	ppb
Barium	135-1	0.01	-0.01	0.00	0.00		ppb
Barium	137-1	0.01	-0.01	0.00	0.00		ppb
Beryllium	9-1	0.04	0.04	0.03	0.04	23.66	ppb
Bismuth	209-1				102		%
Bismuth	209-2				101		%
Boron	10-1	6.37	5.49	6.02	5.96	7.43	ppb
Boron	11-1	6.17	6.24	5.75	6.05	4.42	ppb
Bromine	81-1						cps
Cadmium	111-1	-0.09	-0.09	-0.09	-0.09		ppb
Cadmium	106-1	-10.08	-8.18	-9.28	-9.18		ppb
Cadmium	108-1	-0.14	-0.32	0.00	-0.15		ppb
Calcium	43-1	-0.89	-1.53	-3.30	-1.90		ppb
Calcium	44-1	-3.93	-2.47	-5.50	-3.96		ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	0.01	-0.07	-0.08	-0.05		ppb
Cobalt	59-2	-0.01	-0.02	0.01	-0.01		ppb
Copper	63-2	0.15	0.19	0.18	0.17	11.13	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				104		%
Holmium	165-2				101		%
Indium	115-1				103		%
Indium	115-2				100		%
Iron	54-2	0.18	-0.01	2.28	0.81	156.20	ppb
Iron	56-2	0.33	0.42	0.61	0.45	32.33	ppb
Iron	57-2	-0.33	0.15	-0.75	-0.31		ppb

LB Number :	LB125034	Operator :	Jaswal
Lab Sample ID :	PB152017BL	Instrumnet Name :	P8
Client Sample ID :	PB152017BL	Dilution Factor :	1
Date & Time Acquired :	2023-04-18 13:26:37	DataFile Name :	022CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Krypton	83-1						cps
Lead	206-1	0.04	0.03	0.02	0.03	33.95	ppb
Lead	207-1	0.00	0.06	0.04	0.03	94.62	ppb
Lead	208-1	0.02	0.04	0.03	0.03	36.72	ppb
Lithium	6-1				98		%
Magnesium	24-2	1.02	0.69	0.44	0.72	40.57	ppb
Manganese	55-2	0.02	-0.01	0.02	0.01	201.95	ppb
Molybdenum	94-1	0.06	0.04	0.03	0.04	32.07	ppb
Molybdenum	95-1	0.06	0.09	0.10	0.08	21.53	ppb
Molybdenum	96-1	0.06	0.02	0.04	0.04	43.28	ppb
Molybdenum	97-1	0.05	0.08	0.04	0.06	40.87	ppb
Molybdenum	98-1	0.04	0.03	0.05	0.04	17.23	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	-0.06	-0.04	-0.08	-0.06		ppb
Phosphorus	31-2	-28.15	-4.60	-18.89	-17.21		ppb
Potassium	39-2	15.23	2.95	12.29	10.16	63.12	ppb
Rhodium	103-1				101		%
Rhodium	103-2				101		%
Scandium	45-1				101		%
Scandium	45-2				99		%
Selenium	82-1	-0.06	0.03	-0.01	-0.01		ppb
Selenium	77-2	-0.68	-0.68	0.30	-0.36		ppb
Selenium	78-2	1.34	0.77	-0.30	0.60	138.30	ppb
Silicon	28-1	-1.85	-0.42	-5.58	-2.62		ppb
Silver	107-1	0.01	0.01	0.01	0.01	15.33	ppb
Silver	109-1	0.02	0.01	0.01	0.01	40.68	ppb
Sodium	23-2	28.57	23.27	31.41	27.75	14.89	ppb
Strontium	86-1	0.01	-0.03	-0.03	-0.02		ppb
Strontium	88-1	0.02	-0.01	-0.02	0.00		ppb
Sulfur	34-1	-1023.79	-447.96	-1118.00	-863.25		ppb
Terbium	159-1				105		%
Terbium	159-2				101		%
Thallium	203-1	0.04	0.04	0.00	0.03	76.77	ppb
Thallium	205-1	0.02	0.04	0.02	0.03	31.14	ppb
Tin	118-1	0.04	0.02	0.03	0.03	33.20	ppb

LB Number :	LB125034	Operator :	Jaswal
Lab Sample ID :	PB152017BL	Instrumnet Name :	P8
Client Sample ID :	PB152017BL	Dilution Factor :	1
Date & Time Acquired :	2023-04-18 13:26:37	DataFile Name :	022CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Titanium	47-1	0.12	-0.03	-0.04	0.01	612.65	ppb
Uranium	238-1	0.00	0.00	0.00	0.00		ppb
Vanadium	51-2	0.00	-0.01	-0.01	-0.01		ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				103		%
Yttrium	89-2				103		%
Zinc	66-2	0.03	0.05	-0.05	0.01	502.83	ppb
Zirconium	90-1	0.01	0.00	0.00	0.00	145.95	ppb
Zirconium	91-1	-0.02	-0.04	-0.02	-0.03		ppb

LB Number :	LB125034	Operator :	Jaswal
Lab Sample ID :	PB152017BS	Instrumnet Name :	P8
Client Sample ID :	PB152017BS	Dilution Factor :	1
Date & Time Acquired :	2023-04-18 13:29:41	DataFile Name :	023LCS6.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	10500.89	10287.33	9921.10	10236.44	2.86	ppb
Antimony	121-1	511.16	521.34	512.39	514.96	1.08	ppb
Arsenic	75-2	525.99	520.38	503.49	516.62	2.27	ppb
Barium	135-1	2488.79	2575.21	2522.80	2528.94	1.72	ppb
Barium	137-1	2458.08	2637.99	2585.10	2560.39	3.61	ppb
Beryllium	9-1	519.05	509.49	503.82	510.79	1.51	ppb
Bismuth	209-1				101		%
Bismuth	209-2				103		%
Boron	10-1	469.02	497.71	510.01	492.25	4.27	ppb
Boron	11-1	491.12	509.27	530.91	510.43	3.90	ppb
Bromine	81-1						cps
Cadmium	111-1	510.26	525.28	525.49	520.34	1.68	ppb
Cadmium	106-1	515.90	529.79	523.74	523.14	1.33	ppb
Cadmium	108-1	507.98	538.63	525.26	523.96	2.93	ppb
Calcium	43-1	57460.32	59070.71	58999.75	58510.26	1.56	ppb
Calcium	44-1	53999.99	57984.01	56750.61	56244.87	3.63	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	518.10	498.54	481.28	499.31	3.69	ppb
Cobalt	59-2	508.70	497.63	481.97	496.10	2.71	ppb
Copper	63-2	5347.65	5208.66	4991.37	5182.56	3.46	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				107		%
Holmium	165-2				107		%
Indium	115-1				103		%
Indium	115-2				103		%
Iron	54-2	29178.02	28085.23	27962.89	28408.72	2.36	ppb
Iron	56-2	28271.73	27263.55	26384.10	27306.46	3.46	ppb
Iron	57-2	26905.11	26326.89	25280.14	26170.71	3.15	ppb

LB Number :	LB125034	Operator :	Jaswal
Lab Sample ID :	PB152017BS	Instrumnet Name :	P8
Client Sample ID :	PB152017BS	Dilution Factor :	1
Date & Time Acquired :	2023-04-18 13:29:41	DataFile Name :	023LCS6.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Krypton	83-1						cps
Lead	206-1	2575.79	2577.98	2559.17	2570.98	0.40	ppb
Lead	207-1	2579.11	2628.18	2483.94	2563.74	2.86	ppb
Lead	208-1	2531.18	2573.43	2516.23	2540.28	1.17	ppb
Lithium	6-1				100		%
Magnesium	24-2	54838.00	53672.98	52892.51	53801.16	1.82	ppb
Manganese	55-2	5335.67	5125.48	5039.22	5166.79	2.95	ppb
Molybdenum	94-1	5067.42	5329.81	5244.20	5213.81	2.57	ppb
Molybdenum	95-1	4993.18	5236.75	5161.94	5130.62	2.43	ppb
Molybdenum	96-1	5157.17	5207.37	5053.62	5139.39	1.53	ppb
Molybdenum	97-1	5205.23	5290.65	5021.22	5172.36	2.66	ppb
Molybdenum	98-1	5205.97	5322.95	5107.98	5212.30	2.06	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	526.35	514.12	492.04	510.84	3.40	ppb
Phosphorus	31-2	10285.65	10231.92	9787.18	10101.58	2.71	ppb
Potassium	39-2	27145.98	26379.13	26114.23	26546.45	2.02	ppb
Rhodium	103-1				101		%
Rhodium	103-2				102		%
Scandium	45-1				104		%
Scandium	45-2				102		%
Selenium	82-1	529.20	537.59	525.11	530.63	1.20	ppb
Selenium	77-2	501.83	526.06	525.07	517.65	2.65	ppb
Selenium	78-2	536.01	516.45	499.44	517.30	3.54	ppb
Silicon	28-1	385.70	452.86	475.72	438.09	10.68	ppb
Silver	107-1	520.82	541.43	525.46	529.24	2.04	ppb
Silver	109-1	517.97	534.72	525.99	526.22	1.59	ppb
Sodium	23-2	52397.28	52623.33	51333.01	52117.87	1.32	ppb
Strontium	86-1	12882.82	13248.34	12596.65	12909.27	2.53	ppb
Strontium	88-1	13059.39	13151.89	12829.94	13013.74	1.27	ppb
Sulfur	34-1	10990.89	11587.42	11310.30	11296.20	2.64	ppb
Terbium	159-1				104		%
Terbium	159-2				104		%
Thallium	203-1	523.47	512.21	504.90	513.53	1.82	ppb
Thallium	205-1	507.94	512.46	500.84	507.08	1.16	ppb
Tin	118-1	507.94	531.03	516.17	518.38	2.26	ppb

LB Number :	LB125034	Operator :	Jaswal
Lab Sample ID :	PB152017BS	Instrumnet Name :	P8
Client Sample ID :	PB152017BS	Dilution Factor :	1
Date & Time Acquired :	2023-04-18 13:29:41	DataFile Name :	023LCS6.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Titanium	47-1	5002.96	5165.71	5106.04	5091.57	1.62	ppb
Uranium	238-1	502.33	501.05	484.92	496.10	1.96	ppb
Vanadium	51-2	521.51	505.38	500.09	509.00	2.19	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	5146.62	5047.18	4795.96	4996.59	3.62	ppb
Zirconium	90-1	509.61	514.49	515.46	513.19	0.61	ppb
Zirconium	91-1	504.02	514.36	513.35	510.57	1.12	ppb

LB Number :	LB125034	Operator :	Jaswal
Lab Sample ID :	O2224-02DLX5	Instrumnet Name :	P8
Client Sample ID :	OU3-FC-BACKFILL-01DI	Dilution Factor :	5
Date & Time Acquired :	2023-04-18 13:32:32	DataFile Name :	024AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	280.22	285.95	281.58	282.59	1.06	ppb
Antimony	121-1	0.20	0.22	0.27	0.23	15.56	ppb
Arsenic	75-2	0.39	0.39	0.47	0.42	11.29	ppb
Barium	135-1	15.09	15.21	14.83	15.04	1.28	ppb
Barium	137-1	15.05	15.20	15.76	15.34	2.43	ppb
Beryllium	9-1	0.17	0.15	0.15	0.16	9.67	ppb
Bismuth	209-1				101		%
Bismuth	209-2				103		%
Boron	10-1	151.26	156.82	160.65	156.24	3.02	ppb
Boron	11-1	158.99	167.30	169.54	165.28	3.36	ppb
Bromine	81-1						cps
Cadmium	111-1	-0.02	0.00	-0.02	-0.01		ppb
Cadmium	106-1	-7.56	-5.54	-7.33	-6.81		ppb
Cadmium	108-1	0.10	-0.04	0.05	0.03	209.21	ppb
Calcium	43-1	79335.65	78464.12	79393.04	79064.27	0.66	ppb
Calcium	44-1	80317.35	78100.78	77715.27	78711.13	1.78	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	0.11	0.19	0.11	0.14	34.78	ppb
Cobalt	59-2	8.15	8.07	8.17	8.13	0.66	ppb
Copper	63-2	4.21	4.37	4.30	4.29	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				106		%
Holmium	165-2				104		%
Indium	115-1				104		%
Indium	115-2				101		%
Iron	54-2	11382.67	11425.15	11295.11	11367.64	0.58	ppb
Iron	56-2	11809.69	11952.47	11772.60	11844.92	0.80	ppb
Iron	57-2	11317.49	11139.59	11207.53	11221.54	0.80	ppb

LB Number :	LB125034	Operator :	Jaswal
Lab Sample ID :	O2224-02DLX5	Instrumnet Name :	P8
Client Sample ID :	OU3-FC-BACKFILL-01DI	Dilution Factor :	5
Date & Time Acquired :	2023-04-18 13:32:32	DataFile Name :	024AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Krypton	83-1						cps
Lead	206-1	0.20	0.12	0.14	0.15	27.32	ppb
Lead	207-1	0.16	0.12	0.17	0.15	16.23	ppb
Lead	208-1	0.19	0.13	0.15	0.15	20.57	ppb
Lithium	6-1				98		%
Magnesium	24-2	2983.80	3008.60	3039.80	3010.73	0.93	ppb
Manganese	55-2	549.05	556.92	543.88	549.95	1.19	ppb
Molybdenum	94-1	0.79	0.65	0.53	0.66	19.39	ppb
Molybdenum	95-1	0.80	0.68	0.61	0.70	13.48	ppb
Molybdenum	96-1	0.78	0.69	0.71	0.73	6.98	ppb
Molybdenum	97-1	0.82	0.53	0.60	0.65	23.18	ppb
Molybdenum	98-1	0.76	0.61	0.56	0.64	16.18	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	4.28	4.30	4.27	4.29	0.34	ppb
Phosphorus	31-2	2.06	-17.88	-11.06	-8.96		ppb
Potassium	39-2	423.24	425.97	402.49	417.23	3.08	ppb
Rhodium	103-1				102		%
Rhodium	103-2				101		%
Scandium	45-1				103		%
Scandium	45-2				98		%
Selenium	82-1	0.39	-0.39	-0.01	0.00		ppb
Selenium	77-2	0.26	-0.68	1.28	0.29	342.48	ppb
Selenium	78-2	0.60	1.02	0.14	0.59	75.10	ppb
Silicon	28-1	1849.21	1845.85	1790.45	1828.50	1.80	ppb
Silver	107-1	0.01	0.00	0.01	0.01	39.73	ppb
Silver	109-1	0.02	0.00	0.02	0.01	77.58	ppb
Sodium	23-2	20241.37	20537.89	20556.50	20445.25	0.86	ppb
Strontium	86-1	120.52	119.40	119.73	119.88	0.48	ppb
Strontium	88-1	119.70	123.22	124.56	122.49	2.05	ppb
Sulfur	34-1	65686.83	64381.74	61370.92	63813.16	3.47	ppb
Terbium	159-1				103		%
Terbium	159-2				102		%
Thallium	203-1	0.06	0.04	0.05	0.05	19.12	ppb
Thallium	205-1	0.06	0.04	0.04	0.05	24.98	ppb
Tin	118-1	0.41	0.34	0.35	0.37	10.25	ppb

LB Number :	LB125034	Operator :	Jaswal
Lab Sample ID :	O2224-02DLX5	Instrumnet Name :	P8
Client Sample ID :	OU3-FC-BACKFILL-01DI	Dilution Factor :	5
Date & Time Acquired :	2023-04-18 13:32:32	DataFile Name :	024AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Titanium	47-1	0.39	0.51	0.39	0.43	16.09	ppb
Uranium	238-1	0.28	0.29	0.29	0.29	2.65	ppb
Vanadium	51-2	2.47	2.61	2.48	2.52	3.21	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				103		%
Yttrium	89-2				105		%
Zinc	66-2	118.33	118.66	117.40	118.13	0.56	ppb
Zirconium	90-1	0.06	0.04	0.04	0.04	25.74	ppb
Zirconium	91-1	-0.01	0.01	-0.01	0.00		ppb

LB Number :	LB125034	Operator :	Jaswal
Lab Sample ID :	O2224-04DLX5	Instrumnet Name :	P8
Client Sample ID :	OU3-FC-BACKFILL-02DI	Dilution Factor :	5
Date & Time Acquired :	2023-04-18 13:35:30	DataFile Name :	025AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	91.22	88.18	89.05	89.48	1.75	ppb
Antimony	121-1	0.07	0.09	0.08	0.08	12.60	ppb
Arsenic	75-2	0.29	0.34	0.27	0.30	11.66	ppb
Barium	135-1	15.36	15.34	16.65	15.78	4.74	ppb
Barium	137-1	16.38	16.09	16.86	16.45	2.36	ppb
Beryllium	9-1	0.10	0.10	0.10	0.10	1.12	ppb
Bismuth	209-1				103		%
Bismuth	209-2				103		%
Boron	10-1	127.82	135.85	139.60	134.42	4.48	ppb
Boron	11-1	134.66	147.53	146.51	142.90	5.00	ppb
Bromine	81-1						cps
Cadmium	111-1	-0.01	0.00	-0.04	-0.02		ppb
Cadmium	106-1	-6.17	-6.13	-7.71	-6.67		ppb
Cadmium	108-1	0.05	-0.09	0.05	0.00	3333.44	ppb
Calcium	43-1	83008.15	88178.38	85591.90	85592.81	3.02	ppb
Calcium	44-1	82706.62	85733.04	84625.68	84355.11	1.82	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	0.02	0.04	-0.03	0.01	349.50	ppb
Cobalt	59-2	8.13	7.88	8.19	8.06	2.01	ppb
Copper	63-2	2.12	1.98	2.18	2.09	4.96	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				101		%
Iron	54-2	9298.34	8895.39	9288.81	9160.85	2.51	ppb
Iron	56-2	9392.83	9233.93	9227.65	9284.81	1.01	ppb
Iron	57-2	9115.51	8831.17	9065.15	9003.95	1.69	ppb

LB Number :	LB125034	Operator :	Jaswal
Lab Sample ID :	O2224-04DLX5	Instrumnet Name :	P8
Client Sample ID :	OU3-FC-BACKFILL-02DI	Dilution Factor :	5
Date & Time Acquired :	2023-04-18 13:35:30	DataFile Name :	025AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Krypton	83-1						cps
Lead	206-1	0.03	0.01	0.05	0.03	70.36	ppb
Lead	207-1	0.05	0.06	0.04	0.05	24.98	ppb
Lead	208-1	0.06	0.05	0.05	0.05	12.21	ppb
Lithium	6-1				100		%
Magnesium	24-2	2870.51	2785.31	2807.88	2821.23	1.56	ppb
Manganese	55-2	567.45	557.67	568.00	564.37	1.03	ppb
Molybdenum	94-1	0.37	0.44	0.38	0.40	8.59	ppb
Molybdenum	95-1	0.43	0.50	0.40	0.44	11.63	ppb
Molybdenum	96-1	0.44	0.42	0.42	0.43	1.86	ppb
Molybdenum	97-1	0.52	0.45	0.36	0.44	18.71	ppb
Molybdenum	98-1	0.44	0.36	0.37	0.39	11.31	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	4.00	3.98	4.14	4.04	2.16	ppb
Phosphorus	31-2	9.03	-32.35	-33.44	-18.92		ppb
Potassium	39-2	452.96	431.00	460.69	448.22	3.44	ppb
Rhodium	103-1				102		%
Rhodium	103-2				99		%
Scandium	45-1				102		%
Scandium	45-2				98		%
Selenium	82-1	-0.49	0.22	0.25	-0.01		ppb
Selenium	77-2	-0.68	0.31	0.30	-0.02		ppb
Selenium	78-2	0.56	0.10	0.07	0.24	112.49	ppb
Silicon	28-1	1678.82	1698.26	1672.54	1683.21	0.80	ppb
Silver	107-1	0.00	0.01	0.01	0.01	105.20	ppb
Silver	109-1	0.01	0.01	0.00	0.01	83.03	ppb
Sodium	23-2	24638.19	23460.33	24466.32	24188.28	2.63	ppb
Strontium	86-1	127.77	132.82	130.70	130.43	1.95	ppb
Strontium	88-1	134.18	137.34	134.77	135.43	1.24	ppb
Sulfur	34-1	67902.55	70144.89	67150.54	68399.33	2.28	ppb
Terbium	159-1				104		%
Terbium	159-2				103		%
Thallium	203-1	0.07	0.03	0.03	0.04	41.85	ppb
Thallium	205-1	0.04	0.03	0.03	0.03	16.26	ppb
Tin	118-1	0.01	0.04	-0.03	0.01	617.89	ppb

LB Number :	LB125034	Operator :	Jaswal
Lab Sample ID :	O2224-04DLX5	Instrumnet Name :	P8
Client Sample ID :	OU3-FC-BACKFILL-02DI	Dilution Factor :	5
Date & Time Acquired :	2023-04-18 13:35:30	DataFile Name :	025AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Titanium	47-1	0.22	0.25	0.43	0.30	37.73	ppb
Uranium	238-1	0.20	0.22	0.20	0.21	6.80	ppb
Vanadium	51-2	2.14	1.91	2.17	2.07	6.93	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				103		%
Yttrium	89-2				103		%
Zinc	66-2	121.69	117.18	120.25	119.70	1.92	ppb
Zirconium	90-1	0.01	0.00	0.03	0.01	80.77	ppb
Zirconium	91-1	-0.02	0.00	0.01	0.00		ppb

LB Number :	LB125034	Operator :	Jaswal
Lab Sample ID :	O2224-06DLX5	Instrumnet Name :	P8
Client Sample ID :	OU3-FC-BACKFILL-03DI	Dilution Factor :	5
Date & Time Acquired :	2023-04-18 13:38:30	DataFile Name :	026AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	26.28	24.72	24.64	25.21	3.66	ppb
Antimony	121-1	0.04	0.07	0.04	0.05	30.30	ppb
Arsenic	75-2	0.26	0.21	0.32	0.26	19.80	ppb
Barium	135-1	16.35	17.36	16.87	16.86	2.99	ppb
Barium	137-1	17.25	18.68	16.92	17.62	5.31	ppb
Beryllium	9-1	0.07	0.07	0.07	0.07	6.54	ppb
Bismuth	209-1				99		%
Bismuth	209-2				99		%
Boron	10-1	120.77	139.64	135.83	132.08	7.55	ppb
Boron	11-1	128.41	145.34	140.89	138.21	6.35	ppb
Bromine	81-1						cps
Cadmium	111-1	-0.10	-0.02	-0.01	-0.04		ppb
Cadmium	106-1	-13.78	-4.82	-7.92	-8.84		ppb
Cadmium	108-1	-0.09	0.17	-0.08	0.00		ppb
Calcium	43-1	93955.87	103043.41	94071.35	97023.54	5.37	ppb
Calcium	44-1	90504.37	98301.80	91753.21	93519.79	4.48	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	0.05	0.07	0.07	0.06	22.59	ppb
Cobalt	59-2	9.12	8.91	8.61	8.88	2.89	ppb
Copper	63-2	1.12	1.22	1.04	1.13	8.13	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				103		%
Holmium	165-2				103		%
Indium	115-1				101		%
Indium	115-2				101		%
Iron	54-2	7533.40	7411.81	7152.76	7365.99	2.64	ppb
Iron	56-2	7795.97	7741.03	7333.30	7623.44	3.32	ppb
Iron	57-2	7558.44	7453.80	7217.25	7409.83	2.36	ppb

LB Number :	LB125034	Operator :	Jaswal
Lab Sample ID :	O2224-06DLX5	Instrumnet Name :	P8
Client Sample ID :	OU3-FC-BACKFILL-03DI	Dilution Factor :	5
Date & Time Acquired :	2023-04-18 13:38:30	DataFile Name :	026AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Krypton	83-1						cps
Lead	206-1	0.03	0.03	0.04	0.04	20.46	ppb
Lead	207-1	0.07	0.05	0.04	0.05	28.25	ppb
Lead	208-1	0.05	0.05	0.03	0.04	21.01	ppb
Lithium	6-1				97		%
Magnesium	24-2	3037.98	3021.87	2974.50	3011.45	1.10	ppb
Manganese	55-2	645.10	634.82	605.24	628.39	3.29	ppb
Molybdenum	94-1	0.44	0.35	0.39	0.39	11.79	ppb
Molybdenum	95-1	0.47	0.40	0.47	0.45	8.87	ppb
Molybdenum	96-1	0.55	0.48	0.53	0.52	6.81	ppb
Molybdenum	97-1	0.49	0.42	0.39	0.43	12.31	ppb
Molybdenum	98-1	0.43	0.49	0.45	0.46	6.34	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	4.42	4.03	4.17	4.21	4.69	ppb
Phosphorus	31-2	-30.93	1.97	-9.47	-12.81		ppb
Potassium	39-2	506.81	497.60	494.32	499.58	1.30	ppb
Rhodium	103-1				98		%
Rhodium	103-2				100		%
Scandium	45-1				99		%
Scandium	45-2				98		%
Selenium	82-1	0.08	-0.30	0.19	-0.01		ppb
Selenium	77-2	-0.68	-0.68	-0.68	-0.68		ppb
Selenium	78-2	-0.15	-0.22	-0.37	-0.24		ppb
Silicon	28-1	1655.61	1804.06	1720.49	1726.72	4.31	ppb
Silver	107-1	0.00	0.00	-0.01	0.00		ppb
Silver	109-1	0.01	0.01	0.00	0.01	164.10	ppb
Sodium	23-2	29340.48	29285.25	28765.71	29130.48	1.09	ppb
Strontium	86-1	151.84	161.97	156.17	156.66	3.24	ppb
Strontium	88-1	155.09	170.28	160.45	161.94	4.76	ppb
Sulfur	34-1	73903.85	80372.28	73918.00	76064.71	4.90	ppb
Terbium	159-1				101		%
Terbium	159-2				103		%
Thallium	203-1	0.04	0.04	0.02	0.03	37.10	ppb
Thallium	205-1	0.04	0.01	0.04	0.03	55.26	ppb
Tin	118-1	-0.02	-0.02	-0.01	-0.02		ppb

LB Number :	LB125034	Operator :	Jaswal
Lab Sample ID :	O2224-06DLX5	Instrumnet Name :	P8
Client Sample ID :	OU3-FC-BACKFILL-03DI	Dilution Factor :	5
Date & Time Acquired :	2023-04-18 13:38:30	DataFile Name :	026AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Titanium	47-1	0.36	0.33	0.19	0.29	29.68	ppb
Uranium	238-1	0.20	0.24	0.22	0.22	8.88	ppb
Vanadium	51-2	1.41	1.29	1.39	1.36	4.83	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				100		%
Yttrium	89-2				102		%
Zinc	66-2	127.61	127.99	122.02	125.87	2.66	ppb
Zirconium	90-1	0.00	0.00	0.01	0.01	97.60	ppb
Zirconium	91-1	-0.02	-0.01	-0.03	-0.02		ppb

LB Number :	LB125034	Operator :	Jaswal
Lab Sample ID :	O2224-08DLX5	Instrumnet Name :	P8
Client Sample ID :	OU3-FC-BACKFILL-04DI	Dilution Factor :	5
Date & Time Acquired :	2023-04-18 13:41:28	DataFile Name :	027AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	11.61	13.05	12.89	12.52	6.34	ppb
Antimony	121-1	0.02	0.05	0.05	0.04	43.08	ppb
Arsenic	75-2	0.17	0.20	0.13	0.17	21.28	ppb
Barium	135-1	17.61	18.35	17.33	17.76	2.98	ppb
Barium	137-1	17.69	17.67	18.49	17.95	2.61	ppb
Beryllium	9-1	0.05	0.05	0.06	0.05	12.68	ppb
Bismuth	209-1				102		%
Bismuth	209-2				101		%
Boron	10-1	146.57	160.95	160.52	156.01	5.24	ppb
Boron	11-1	150.98	167.72	165.29	161.33	5.61	ppb
Bromine	81-1						cps
Cadmium	111-1	-0.01	-0.02	-0.04	-0.03		ppb
Cadmium	106-1	-8.61	-6.84	-6.49	-7.31		ppb
Cadmium	108-1	-0.14	-0.13	0.05	-0.07		ppb
Calcium	43-1	87749.44	88448.12	88169.77	88122.44	0.40	ppb
Calcium	44-1	86348.89	90905.07	89148.55	88800.84	2.59	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	-0.03	0.01	0.00	0.00		ppb
Cobalt	59-2	9.08	8.78	8.59	8.82	2.81	ppb
Copper	63-2	1.24	1.15	1.20	1.20	3.98	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				104		%
Holmium	165-2				102		%
Indium	115-1				102		%
Indium	115-2				100		%
Iron	54-2	6696.17	6423.08	6289.95	6469.73	3.20	ppb
Iron	56-2	6911.30	6595.27	6366.76	6624.45	4.13	ppb
Iron	57-2	6634.48	6517.95	6376.72	6509.71	1.98	ppb

LB Number :	LB125034	Operator :	Jaswal
Lab Sample ID :	O2224-08DLX5	Instrumnet Name :	P8
Client Sample ID :	OU3-FC-BACKFILL-04DI	Dilution Factor :	5
Date & Time Acquired :	2023-04-18 13:41:28	DataFile Name :	027AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Krypton	83-1						cps
Lead	206-1	0.05	0.00	0.01	0.02	151.51	ppb
Lead	207-1	0.07	0.04	0.02	0.04	61.97	ppb
Lead	208-1	0.04	0.02	0.00	0.02	81.84	ppb
Lithium	6-1				100		%
Magnesium	24-2	2858.57	2867.31	2779.25	2835.04	1.71	ppb
Manganese	55-2	610.29	588.40	573.82	590.84	3.11	ppb
Molybdenum	94-1	0.33	0.35	0.43	0.37	14.75	ppb
Molybdenum	95-1	0.42	0.43	0.34	0.40	11.75	ppb
Molybdenum	96-1	0.42	0.45	0.40	0.42	6.47	ppb
Molybdenum	97-1	0.40	0.34	0.37	0.37	7.95	ppb
Molybdenum	98-1	0.36	0.35	0.34	0.35	1.98	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	4.26	4.07	3.85	4.06	5.04	ppb
Phosphorus	31-2	7.06	40.59	19.19	22.28	76.20	ppb
Potassium	39-2	556.85	557.15	527.41	547.13	3.12	ppb
Rhodium	103-1				102		%
Rhodium	103-2				99		%
Scandium	45-1				101		%
Scandium	45-2				98		%
Selenium	82-1	-0.32	0.02	-0.23	-0.18		ppb
Selenium	77-2	2.32	0.34	-0.68	0.66	231.41	ppb
Selenium	78-2	0.40	-0.26	1.28	0.48	162.81	ppb
Silicon	28-1	1538.86	1618.84	1594.40	1584.03	2.59	ppb
Silver	107-1	-0.01	0.01	0.00	0.00		ppb
Silver	109-1	0.00	0.01	0.00	0.01	76.18	ppb
Sodium	23-2	27966.03	27574.26	27126.15	27555.48	1.53	ppb
Strontium	86-1	142.35	144.96	142.89	143.40	0.96	ppb
Strontium	88-1	142.28	148.42	146.09	145.60	2.13	ppb
Sulfur	34-1	67538.45	70238.56	68863.86	68880.29	1.96	ppb
Terbium	159-1				103		%
Terbium	159-2				101		%
Thallium	203-1	0.00	0.03	0.00	0.01	201.63	ppb
Thallium	205-1	0.01	0.00	0.01	0.01	62.09	ppb
Tin	118-1	-0.05	0.01	-0.03	-0.02		ppb

LB Number :	LB125034	Operator :	Jaswal
Lab Sample ID :	O2224-08DLX5	Instrumnet Name :	P8
Client Sample ID :	OU3-FC-BACKFILL-04DI	Dilution Factor :	5
Date & Time Acquired :	2023-04-18 13:41:28	DataFile Name :	027AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Titanium	47-1	0.40	0.55	0.30	0.42	30.78	ppb
Uranium	238-1	0.20	0.18	0.18	0.19	6.14	ppb
Vanadium	51-2	0.79	0.63	0.84	0.76	14.34	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	205.83	198.30	190.95	198.36	3.75	ppb
Zirconium	90-1	0.01	-0.01	0.01	0.00	1290.79	ppb
Zirconium	91-1	-0.03	-0.03	-0.05	-0.04		ppb

LB Number :	LB125034	Operator :	Jaswal
Lab Sample ID :	O2224-10DLX5	Instrumnet Name :	P8
Client Sample ID :	OU3-FC-BACKFILL-05DI	Dilution Factor :	5
Date & Time Acquired :	2023-04-18 13:44:28	DataFile Name :	028AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	58.30	56.19	56.41	56.97	2.03	ppb
Antimony	121-1	0.03	0.06	0.04	0.04	40.33	ppb
Arsenic	75-2	0.24	0.23	0.27	0.24	7.65	ppb
Barium	135-1	15.02	15.89	15.72	15.54	2.98	ppb
Barium	137-1	15.00	15.99	15.09	15.36	3.56	ppb
Beryllium	9-1	0.05	0.05	0.05	0.05	9.40	ppb
Bismuth	209-1				99		%
Bismuth	209-2				102		%
Boron	10-1	120.56	127.35	125.14	124.35	2.79	ppb
Boron	11-1	125.26	130.64	130.32	128.74	2.34	ppb
Bromine	81-1						cps
Cadmium	111-1	-0.08	0.03	-0.08	-0.04		ppb
Cadmium	106-1	-9.47	-2.31	-8.44	-6.74		ppb
Cadmium	108-1	-0.13	-0.26	0.00	-0.13		ppb
Calcium	43-1	86413.08	91563.21	85341.45	87772.58	3.79	ppb
Calcium	44-1	85203.96	91040.28	84232.69	86825.64	4.24	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	0.03	0.00	0.00	0.01	222.05	ppb
Cobalt	59-2	9.24	9.08	8.57	8.96	3.92	ppb
Copper	63-2	1.66	1.59	1.55	1.60	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				103		%
Holmium	165-2				102		%
Indium	115-1				102		%
Indium	115-2				102		%
Iron	54-2	8179.17	7886.63	7665.90	7910.56	3.25	ppb
Iron	56-2	8379.86	8168.80	7923.33	8157.33	2.80	ppb
Iron	57-2	8192.65	7833.54	7722.92	7916.37	3.10	ppb

LB Number :	LB125034	Operator :	Jaswal
Lab Sample ID :	O2224-10DLX5	Instrumnet Name :	P8
Client Sample ID :	OU3-FC-BACKFILL-05DI	Dilution Factor :	5
Date & Time Acquired :	2023-04-18 13:44:28	DataFile Name :	028AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Krypton	83-1						cps
Lead	206-1	0.11	0.05	0.07	0.08	40.74	ppb
Lead	207-1	0.10	0.10	0.05	0.09	35.26	ppb
Lead	208-1	0.10	0.10	0.06	0.09	23.15	ppb
Lithium	6-1				100		%
Magnesium	24-2	3027.67	2884.58	2807.36	2906.54	3.85	ppb
Manganese	55-2	627.74	605.57	589.07	607.46	3.19	ppb
Molybdenum	94-1	0.29	0.32	0.32	0.31	5.61	ppb
Molybdenum	95-1	0.40	0.39	0.35	0.38	6.56	ppb
Molybdenum	96-1	0.40	0.40	0.32	0.37	12.70	ppb
Molybdenum	97-1	0.43	0.37	0.31	0.37	16.51	ppb
Molybdenum	98-1	0.28	0.35	0.33	0.32	11.33	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	4.19	4.28	4.27	4.25	1.17	ppb
Phosphorus	31-2	11.94	9.34	-29.34	-2.68		ppb
Potassium	39-2	497.71	463.35	459.97	473.68	4.41	ppb
Rhodium	103-1				99		%
Rhodium	103-2				100		%
Scandium	45-1				100		%
Scandium	45-2				98		%
Selenium	82-1	0.47	0.29	0.28	0.35	31.40	ppb
Selenium	77-2	-0.68	1.28	-0.68	-0.03		ppb
Selenium	78-2	-0.06	0.57	0.63	0.38	100.63	ppb
Silicon	28-1	1644.01	1734.65	1613.44	1664.03	3.79	ppb
Silver	107-1	0.00	0.01	-0.01	0.00		ppb
Silver	109-1	0.00	0.00	0.00	0.00		ppb
Sodium	23-2	27668.28	26495.78	25354.47	26506.17	4.36	ppb
Strontium	86-1	140.69	144.52	138.75	141.32	2.08	ppb
Strontium	88-1	142.79	148.17	139.68	143.55	2.99	ppb
Sulfur	34-1	69840.08	73383.48	68170.65	70464.74	3.78	ppb
Terbium	159-1				101		%
Terbium	159-2				103		%
Thallium	203-1	0.00	0.02	0.00	0.01	216.87	ppb
Thallium	205-1	0.01	0.02	0.01	0.01	23.73	ppb
Tin	118-1	0.10	0.12	0.07	0.09	26.66	ppb

LB Number :	LB125034	Operator :	Jaswal
Lab Sample ID :	O2224-10DLX5	Instrumnet Name :	P8
Client Sample ID :	OU3-FC-BACKFILL-05DI	Dilution Factor :	5
Date & Time Acquired :	2023-04-18 13:44:28	DataFile Name :	028AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Titanium	47-1	0.51	0.47	0.64	0.54	15.96	ppb
Uranium	238-1	0.20	0.20	0.17	0.19	8.70	ppb
Vanadium	51-2	1.54	1.44	1.37	1.45	5.88	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				100		%
Yttrium	89-2				103		%
Zinc	66-2	124.03	123.76	120.03	122.61	1.82	ppb
Zirconium	90-1	0.02	0.00	-0.01	0.00	680.32	ppb
Zirconium	91-1	-0.03	0.01	-0.04	-0.02		ppb

LB Number :	LB125034	Operator :	Jaswal
Lab Sample ID :	O2224-12DLX5	Instrumnet Name :	P8
Client Sample ID :	OU3-FC-BACKFILL-06DI	Dilution Factor :	5
Date & Time Acquired :	2023-04-18 13:47:26	DataFile Name :	029AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	16.49	18.09	17.45	17.34	4.66	ppb
Antimony	121-1	0.03	0.03	0.03	0.03	7.82	ppb
Arsenic	75-2	0.22	0.22	0.19	0.21	9.52	ppb
Barium	135-1	13.96	15.57	13.93	14.49	6.48	ppb
Barium	137-1	14.71	15.76	14.27	14.91	5.12	ppb
Beryllium	9-1	0.04	0.04	0.03	0.04	22.04	ppb
Bismuth	209-1				101		%
Bismuth	209-2				101		%
Boron	10-1	100.74	111.84	107.61	106.73	5.25	ppb
Boron	11-1	105.08	117.00	112.28	111.45	5.39	ppb
Bromine	81-1						cps
Cadmium	111-1	-0.01	-0.01	-0.04	-0.02		ppb
Cadmium	106-1	-4.89	-6.71	-7.12	-6.24		ppb
Cadmium	108-1	-0.13	0.07	0.00	-0.02		ppb
Calcium	43-1	76811.77	83980.07	76368.88	79053.57	5.40	ppb
Calcium	44-1	75557.72	83113.34	76153.67	78274.91	5.37	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	-0.03	-0.01	0.01	-0.01		ppb
Cobalt	59-2	7.87	7.60	7.61	7.69	1.99	ppb
Copper	63-2	0.85	0.86	0.83	0.84	1.99	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				102		%
Holmium	165-2				104		%
Indium	115-1				102		%
Indium	115-2				102		%
Iron	54-2	5389.52	5156.05	5179.40	5241.66	2.45	ppb
Iron	56-2	5574.44	5388.88	5334.53	5432.62	2.32	ppb
Iron	57-2	5471.91	5229.47	5116.15	5272.51	3.45	ppb

LB Number :	LB125034	Operator :	Jaswal
Lab Sample ID :	O2224-12DLX5	Instrumnet Name :	P8
Client Sample ID :	OU3-FC-BACKFILL-06DI	Dilution Factor :	5
Date & Time Acquired :	2023-04-18 13:47:26	DataFile Name :	029AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Krypton	83-1						cps
Lead	206-1	0.03	0.05	0.01	0.03	59.86	ppb
Lead	207-1	0.05	0.07	0.03	0.05	36.31	ppb
Lead	208-1	0.04	0.07	0.03	0.05	42.09	ppb
Lithium	6-1				99		%
Magnesium	24-2	2594.29	2539.38	2455.46	2529.71	2.76	ppb
Manganese	55-2	537.97	520.84	518.91	525.90	1.99	ppb
Molybdenum	94-1	0.24	0.23	0.27	0.25	6.42	ppb
Molybdenum	95-1	0.40	0.44	0.34	0.39	13.79	ppb
Molybdenum	96-1	0.38	0.34	0.38	0.37	6.00	ppb
Molybdenum	97-1	0.47	0.35	0.29	0.37	24.66	ppb
Molybdenum	98-1	0.37	0.40	0.35	0.37	6.69	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	3.47	3.41	3.41	3.43	0.94	ppb
Phosphorus	31-2	-2.97	-32.01	-16.57	-17.18		ppb
Potassium	39-2	445.11	435.51	401.20	427.27	5.40	ppb
Rhodium	103-1				100		%
Rhodium	103-2				101		%
Scandium	45-1				100		%
Scandium	45-2				99		%
Selenium	82-1	-0.19	-0.23	-0.01	-0.15		ppb
Selenium	77-2	0.29	0.33	-0.68	-0.02		ppb
Selenium	78-2	0.17	0.10	1.29	0.52	128.65	ppb
Silicon	28-1	1404.00	1550.50	1403.78	1452.76	5.83	ppb
Silver	107-1	0.00	-0.01	-0.01	-0.01		ppb
Silver	109-1	0.01	0.01	-0.01	0.00	946.09	ppb
Sodium	23-2	26660.00	25979.31	25127.95	25922.42	2.96	ppb
Strontium	86-1	134.93	139.14	129.80	134.62	3.47	ppb
Strontium	88-1	135.41	141.70	130.95	136.02	3.97	ppb
Sulfur	34-1	60908.98	66603.95	60407.44	62640.12	5.49	ppb
Terbium	159-1				102		%
Terbium	159-2				103		%
Thallium	203-1	-0.01	0.01	-0.01	0.00		ppb
Thallium	205-1	0.00	0.01	0.01	0.01	102.02	ppb
Tin	118-1	0.00	0.04	0.03	0.02	107.21	ppb

LB Number :	LB125034	Operator :	Jaswal
Lab Sample ID :	O2224-12DLX5	Instrumnet Name :	P8
Client Sample ID :	OU3-FC-BACKFILL-06DI	Dilution Factor :	5
Date & Time Acquired :	2023-04-18 13:47:26	DataFile Name :	029AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Titanium	47-1	0.29	0.31	0.37	0.32	12.43	ppb
Uranium	238-1	0.18	0.20	0.17	0.18	10.05	ppb
Vanadium	51-2	0.98	1.00	1.03	1.00	2.77	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				99		%
Yttrium	89-2				103		%
Zinc	66-2	111.45	106.95	106.57	108.32	2.51	ppb
Zirconium	90-1	0.00	0.00	0.01	0.00	251.78	ppb
Zirconium	91-1	-0.01	-0.04	0.00	-0.01		ppb

LB Number :	LB125034	Operator :	Jaswal
Lab Sample ID :	O2224-14DLX5	Instrumnet Name :	P8
Client Sample ID :	OU3-FC-BACKFILL-07DI	Dilution Factor :	5
Date & Time Acquired :	2023-04-18 13:50:28	DataFile Name :	030AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	15.94	14.68	15.40	15.34	4.14	ppb
Antimony	121-1	0.03	0.03	0.03	0.03	14.90	ppb
Arsenic	75-2	0.21	0.23	0.19	0.21	8.00	ppb
Barium	135-1	12.94	13.46	13.13	13.18	2.01	ppb
Barium	137-1	13.99	13.68	14.05	13.91	1.42	ppb
Beryllium	9-1	0.06	0.03	0.04	0.04	30.58	ppb
Bismuth	209-1				104		%
Bismuth	209-2				98		%
Boron	10-1	105.14	105.20	106.85	105.73	0.92	ppb
Boron	11-1	106.94	109.61	113.57	110.04	3.03	ppb
Bromine	81-1						cps
Cadmium	111-1	-0.02	-0.03	-0.01	-0.02		ppb
Cadmium	106-1	-3.98	-5.42	-5.24	-4.88		ppb
Cadmium	108-1	-0.04	-0.14	0.00	-0.06		ppb
Calcium	43-1	83912.06	84737.53	83374.08	84007.89	0.82	ppb
Calcium	44-1	82771.64	82636.04	81222.61	82210.10	1.04	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	0.04	0.01	0.14	0.06	101.28	ppb
Cobalt	59-2	8.29	8.30	8.74	8.44	3.03	ppb
Copper	63-2	0.76	0.73	0.76	0.75	2.07	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				108		%
Holmium	165-2				102		%
Indium	115-1				106		%
Indium	115-2				100		%
Iron	54-2	5221.75	5030.04	5404.76	5218.85	3.59	ppb
Iron	56-2	5438.76	5324.24	5594.21	5452.40	2.49	ppb
Iron	57-2	5396.02	5166.10	5430.65	5330.92	2.70	ppb

LB Number :	LB125034	Operator :	Jaswal
Lab Sample ID :	O2224-14DLX5	Instrumnet Name :	P8
Client Sample ID :	OU3-FC-BACKFILL-07DI	Dilution Factor :	5
Date & Time Acquired :	2023-04-18 13:50:28	DataFile Name :	030AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Krypton	83-1						cps
Lead	206-1	0.14	0.07	0.08	0.10	40.27	ppb
Lead	207-1	0.18	0.12	0.06	0.12	50.04	ppb
Lead	208-1	0.17	0.10	0.09	0.12	39.44	ppb
Lithium	6-1				100		%
Magnesium	24-2	2716.80	2698.29	2845.19	2753.43	2.91	ppb
Manganese	55-2	592.28	574.99	609.56	592.27	2.92	ppb
Molybdenum	94-1	0.45	0.35	0.31	0.37	19.37	ppb
Molybdenum	95-1	0.53	0.46	0.43	0.47	10.21	ppb
Molybdenum	96-1	0.67	0.34	0.35	0.46	41.04	ppb
Molybdenum	97-1	0.45	0.40	0.41	0.42	6.84	ppb
Molybdenum	98-1	0.53	0.32	0.30	0.39	32.94	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	3.76	3.59	3.91	3.75	4.21	ppb
Phosphorus	31-2	-19.88	-16.58	32.42	-1.35		ppb
Potassium	39-2	481.43	459.39	521.68	487.50	6.48	ppb
Rhodium	103-1				104		%
Rhodium	103-2				98		%
Scandium	45-1				103		%
Scandium	45-2				97		%
Selenium	82-1	-0.05	0.72	-0.01	0.22	197.70	ppb
Selenium	77-2	-0.68	0.32	0.34	-0.01		ppb
Selenium	78-2	0.51	0.32	1.62	0.82	85.72	ppb
Silicon	28-1	1458.51	1501.03	1428.40	1462.65	2.49	ppb
Silver	107-1	0.00	-0.01	-0.01	-0.01		ppb
Silver	109-1	0.00	0.00	0.00	0.00		ppb
Sodium	23-2	29089.10	28524.10	30233.60	29282.27	2.97	ppb
Strontium	86-1	141.26	141.66	139.29	140.74	0.90	ppb
Strontium	88-1	145.07	143.12	144.93	144.37	0.75	ppb
Sulfur	34-1	64648.07	66340.43	63548.04	64845.51	2.17	ppb
Terbium	159-1				104		%
Terbium	159-2				100		%
Thallium	203-1	0.03	0.00	-0.02	0.00	739.46	ppb
Thallium	205-1	0.03	0.01	0.01	0.02	64.39	ppb
Tin	118-1	0.11	0.06	0.08	0.09	31.67	ppb

LB Number :	LB125034	Operator :	Jaswal
Lab Sample ID :	O2224-14DLX5	Instrumnet Name :	P8
Client Sample ID :	OU3-FC-BACKFILL-07DI	Dilution Factor :	5
Date & Time Acquired :	2023-04-18 13:50:28	DataFile Name :	030AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Titanium	47-1	0.44	0.34	0.22	0.33	33.29	ppb
Uranium	238-1	0.22	0.20	0.18	0.20	9.11	ppb
Vanadium	51-2	0.82	0.70	0.81	0.78	8.31	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				104		%
Yttrium	89-2				102		%
Zinc	66-2	107.21	105.12	117.61	109.98	6.08	ppb
Zirconium	90-1	0.00	0.00	0.01	0.01	77.44	ppb
Zirconium	91-1	-0.01	-0.03	-0.02	-0.02		ppb

LB Number :	LB125034	Operator :	Jaswal
Lab Sample ID :	CCV28	Instrumnet Name :	P8
Client Sample ID :	CCV28	Dilution Factor :	1
Date & Time Acquired :	2023-04-18 13:56:22	DataFile Name :	031CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	53926.34	51925.91	52403.21	52751.82	1.98	ppb
Antimony	121-1	494.87	509.60	494.84	499.77	1.70	ppb
Arsenic	75-2	526.19	496.41	509.23	510.61	2.93	ppb
Barium	135-1	2527.78	2634.01	2642.66	2601.49	2.46	ppb
Barium	137-1	2519.37	2659.86	2644.42	2607.88	2.95	ppb
Beryllium	9-1	490.60	505.83	490.37	495.60	1.79	ppb
Bismuth	209-1				98		%
Bismuth	209-2				96		%
Boron	10-1	486.62	526.23	520.55	511.13	4.19	ppb
Boron	11-1	509.34	544.16	536.62	530.04	3.46	ppb
Bromine	81-1						cps
Cadmium	111-1	523.01	530.45	529.25	527.57	0.76	ppb
Cadmium	106-1	516.35	517.55	518.92	517.61	0.25	ppb
Cadmium	108-1	511.05	535.83	529.67	525.52	2.45	ppb
Calcium	43-1	255497.51	267158.53	260353.83	261003.29	2.24	ppb
Calcium	44-1	252143.26	259736.17	249078.15	253652.53	2.16	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	509.24	497.95	497.54	501.58	1.32	ppb
Cobalt	59-2	506.84	486.23	489.32	494.13	2.25	ppb
Copper	63-2	5453.93	5206.03	5239.31	5299.76	2.54	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				108		%
Holmium	165-2				105		%
Indium	115-1				102		%
Indium	115-2				101		%
Iron	54-2	134433.83	129454.16	131683.43	131857.14	1.89	ppb
Iron	56-2	133166.87	129449.21	130825.01	131147.03	1.43	ppb
Iron	57-2	134819.69	129225.13	130525.35	131523.39	2.23	ppb

LB Number :	LB125034	Operator :	Jaswal
Lab Sample ID :	CCV28	Instrumnet Name :	P8
Client Sample ID :	CCV28	Dilution Factor :	1
Date & Time Acquired :	2023-04-18 13:56:22	DataFile Name :	031CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Krypton	83-1						cps
Lead	206-1	2574.13	2689.02	2528.69	2597.28	3.18	ppb
Lead	207-1	2570.61	2665.82	2538.63	2591.69	2.55	ppb
Lead	208-1	2570.31	2654.74	2567.56	2597.53	1.91	ppb
Lithium	6-1				100		%
Magnesium	24-2	262417.16	249167.18	252328.08	254637.48	2.72	ppb
Manganese	55-2	5289.12	5095.09	5154.35	5179.52	1.92	ppb
Molybdenum	94-1	5222.47	5148.65	5446.00	5272.37	2.94	ppb
Molybdenum	95-1	5248.02	5116.58	5330.07	5231.56	2.06	ppb
Molybdenum	96-1	5172.46	5173.71	5228.43	5191.53	0.62	ppb
Molybdenum	97-1	5222.68	5062.71	5296.71	5194.03	2.30	ppb
Molybdenum	98-1	5268.45	5064.81	5383.28	5238.85	3.08	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	513.74	495.19	497.67	502.20	2.00	ppb
Phosphorus	31-2	10795.76	9941.14	10095.50	10277.46	4.43	ppb
Potassium	39-2	132510.08	127599.41	130680.31	130263.27	1.91	ppb
Rhodium	103-1				99		%
Rhodium	103-2				98		%
Scandium	45-1				105		%
Scandium	45-2				101		%
Selenium	82-1	509.77	503.02	525.42	512.74	2.24	ppb
Selenium	77-2	550.21	514.97	521.47	528.88	3.55	ppb
Selenium	78-2	527.16	507.57	518.25	517.66	1.89	ppb
Silicon	28-1	375.14	421.51	418.54	405.07	6.41	ppb
Silver	107-1	539.74	540.76	532.63	537.71	0.82	ppb
Silver	109-1	532.20	525.54	543.38	533.71	1.69	ppb
Sodium	23-2	242034.53	237362.28	239359.88	239585.56	0.98	ppb
Strontium	86-1	12773.80	13174.86	13511.44	13153.37	2.81	ppb
Strontium	88-1	12965.66	12931.10	13571.62	13156.13	2.74	ppb
Sulfur	34-1	11125.19	11491.92	10630.75	11082.62	3.90	ppb
Terbium	159-1				105		%
Terbium	159-2				104		%
Thallium	203-1	526.19	520.23	507.56	517.99	1.84	ppb
Thallium	205-1	516.06	531.00	501.83	516.30	2.82	ppb
Tin	118-1	504.68	521.53	513.82	513.34	1.64	ppb

LB Number :	LB125034	Operator :	Jaswal
Lab Sample ID :	CCV28	Instrumnet Name :	P8
Client Sample ID :	CCV28	Dilution Factor :	1
Date & Time Acquired :	2023-04-18 13:56:22	DataFile Name :	031CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Titanium	47-1	5075.56	5167.38	5163.92	5135.62	1.01	ppb
Uranium	238-1	517.45	539.13	531.35	529.31	2.07	ppb
Vanadium	51-2	527.62	507.12	516.30	517.01	1.99	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				104		%
Yttrium	89-2				106		%
Zinc	66-2	5073.55	4883.47	4898.11	4951.71	2.14	ppb
Zirconium	90-1	525.93	517.73	533.99	525.88	1.55	ppb
Zirconium	91-1	507.27	506.94	534.61	516.27	3.08	ppb

LB Number :	LB125034	Operator :	Jaswal
Lab Sample ID :	CCB28	Instrumnet Name :	P8
Client Sample ID :	CCB28	Dilution Factor :	1
Date & Time Acquired :	2023-04-18 14:02:59	DataFile Name :	032CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	0.24	0.28	0.21	0.24	14.94	ppb
Antimony	121-1	0.05	0.07	0.10	0.07	33.06	ppb
Arsenic	75-2	0.00	-0.01	-0.01	-0.01		ppb
Barium	135-1	0.05	0.01	0.00	0.02	126.93	ppb
Barium	137-1	0.05	-0.01	-0.01	0.01	244.74	ppb
Beryllium	9-1	0.08	0.08	0.07	0.08	8.23	ppb
Bismuth	209-1				101		%
Bismuth	209-2				103		%
Boron	10-1	13.84	14.38	14.28	14.16	2.02	ppb
Boron	11-1	14.50	14.16	14.80	14.49	2.19	ppb
Bromine	81-1						cps
Cadmium	111-1	-0.10	-0.09	-0.11	-0.10		ppb
Cadmium	106-1	-8.69	-8.26	-9.61	-8.86		ppb
Cadmium	108-1	-0.08	-0.13	-0.18	-0.13		ppb
Calcium	43-1	2.46	-2.36	-2.44	-0.78		ppb
Calcium	44-1	-3.24	-7.43	-8.41	-6.36		ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	0.00	-0.03	-0.02	-0.02		ppb
Cobalt	59-2	-0.02	0.00	-0.01	-0.01		ppb
Copper	63-2	0.17	0.18	0.24	0.19	20.49	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				104		%
Holmium	165-2				104		%
Indium	115-1				104		%
Indium	115-2				103		%
Iron	54-2	-0.99	5.35	2.95	2.44	131.13	ppb
Iron	56-2	0.59	0.75	0.88	0.74	19.33	ppb
Iron	57-2	0.88	0.45	-0.38	0.32	202.62	ppb

LB Number :	LB125034	Operator :	Jaswal
Lab Sample ID :	CCB28	Instrumnet Name :	P8
Client Sample ID :	CCB28	Dilution Factor :	1
Date & Time Acquired :	2023-04-18 14:02:59	DataFile Name :	032CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Krypton	83-1						cps
Lead	206-1	0.05	0.00	0.02	0.02	126.22	ppb
Lead	207-1	0.03	0.01	0.03	0.02	46.37	ppb
Lead	208-1	0.03	0.01	0.02	0.02	53.02	ppb
Lithium	6-1				97		%
Magnesium	24-2	1.35	1.28	0.93	1.19	19.06	ppb
Manganese	55-2	0.05	0.04	0.04	0.04	21.80	ppb
Molybdenum	94-1	0.24	0.16	0.07	0.16	52.50	ppb
Molybdenum	95-1	0.25	0.13	0.11	0.16	47.41	ppb
Molybdenum	96-1	0.23	0.15	0.14	0.17	28.74	ppb
Molybdenum	97-1	0.19	0.07	0.11	0.13	49.71	ppb
Molybdenum	98-1	0.22	0.13	0.09	0.15	46.75	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	-0.09	-0.08	-0.04	-0.07		ppb
Phosphorus	31-2	7.32	6.46	-6.75	2.34	337.00	ppb
Potassium	39-2	13.16	22.77	27.94	21.29	35.23	ppb
Rhodium	103-1				103		%
Rhodium	103-2				103		%
Scandium	45-1				102		%
Scandium	45-2				101		%
Selenium	82-1	0.37	-0.15	0.05	0.09	287.32	ppb
Selenium	77-2	-0.68	-0.68	-0.68	-0.68		ppb
Selenium	78-2	-0.18	0.47	2.77	1.02	151.56	ppb
Silicon	28-1	-1.51	-3.32	-6.19	-3.67		ppb
Silver	107-1	0.00	0.00	0.01	0.00	134.33	ppb
Silver	109-1	0.01	-0.01	0.00	0.00	397.07	ppb
Sodium	23-2	30.97	35.21	37.67	34.61	9.80	ppb
Strontium	86-1	0.16	0.02	0.01	0.06	134.05	ppb
Strontium	88-1	0.14	0.01	0.02	0.06	132.77	ppb
Sulfur	34-1	-523.09	-581.10	-1103.14	-735.78		ppb
Terbium	159-1				103		%
Terbium	159-2				103		%
Thallium	203-1	0.00	0.03	0.00	0.01	178.18	ppb
Thallium	205-1	0.01	0.01	0.00	0.01	40.49	ppb
Tin	118-1	-0.04	0.03	0.00	0.00		ppb

LB Number :	LB125034	Operator :	Jaswal
Lab Sample ID :	CCB28	Instrumnet Name :	P8
Client Sample ID :	CCB28	Dilution Factor :	1
Date & Time Acquired :	2023-04-18 14:02:59	DataFile Name :	032CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Titanium	47-1	0.05	-0.07	-0.03	-0.02		ppb
Uranium	238-1	0.00	0.00	0.00	0.00		ppb
Vanadium	51-2	-0.01	0.00	-0.01	-0.01		ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				103		%
Yttrium	89-2				105		%
Zinc	66-2	-0.06	0.11	-0.14	-0.03		ppb
Zirconium	90-1	0.00	0.00	0.00	0.00		ppb
Zirconium	91-1	-0.04	-0.01	-0.01	-0.02		ppb

LB Number :	LB125034	Operator :	Jaswal
Lab Sample ID :	O2224-16DLX5	Instrumnet Name :	P8
Client Sample ID :	OU3-FC-BACKFILL-08DI	Dilution Factor :	5
Date & Time Acquired :	2023-04-18 14:13:42	DataFile Name :	033AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	8.90	9.32	8.07	8.76	7.27	ppb
Antimony	121-1	0.02	0.04	0.01	0.02	50.35	ppb
Arsenic	75-2	0.22	0.21	0.20	0.21	6.12	ppb
Barium	135-1	14.56	14.04	13.88	14.16	2.52	ppb
Barium	137-1	14.22	14.71	14.90	14.61	2.39	ppb
Beryllium	9-1	0.04	0.04	0.05	0.04	8.56	ppb
Bismuth	209-1				104		%
Bismuth	209-2				99		%
Boron	10-1	88.40	101.00	102.65	97.35	8.00	ppb
Boron	11-1	93.49	105.55	108.35	102.46	7.71	ppb
Bromine	81-1						cps
Cadmium	111-1	-0.13	-0.07	-0.07	-0.09		ppb
Cadmium	106-1	-11.89	-9.62	-11.56	-11.02		ppb
Cadmium	108-1	0.08	0.00	0.04	0.04	98.59	ppb
Calcium	43-1	79710.02	82432.75	80846.22	80996.33	1.69	ppb
Calcium	44-1	78593.27	82122.36	79476.12	80063.92	2.29	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	0.22	0.16	0.27	0.22	24.51	ppb
Cobalt	59-2	7.88	8.54	7.92	8.11	4.56	ppb
Copper	63-2	0.66	0.69	0.69	0.68	2.85	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				100		%
Indium	115-1				106		%
Indium	115-2				99		%
Iron	54-2	4128.14	4398.03	4280.23	4268.80	3.17	ppb
Iron	56-2	4413.72	4509.94	4380.96	4434.87	1.51	ppb
Iron	57-2	4206.14	4398.22	4284.57	4296.31	2.25	ppb

LB Number :	LB125034	Operator :	Jaswal
Lab Sample ID :	O2224-16DLX5	Instrumnet Name :	P8
Client Sample ID :	OU3-FC-BACKFILL-08DI	Dilution Factor :	5
Date & Time Acquired :	2023-04-18 14:13:42	DataFile Name :	033AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Krypton	83-1						cps
Lead	206-1	0.00	0.01	0.02	0.01	103.57	ppb
Lead	207-1	0.06	0.03	0.04	0.04	35.60	ppb
Lead	208-1	0.01	0.04	0.03	0.03	50.55	ppb
Lithium	6-1				100		%
Magnesium	24-2	2644.62	2792.46	2732.63	2723.24	2.73	ppb
Manganese	55-2	564.05	591.47	573.33	576.28	2.42	ppb
Molybdenum	94-1	0.29	0.36	0.32	0.33	10.39	ppb
Molybdenum	95-1	0.43	0.33	0.41	0.39	14.03	ppb
Molybdenum	96-1	0.36	0.41	0.41	0.39	7.34	ppb
Molybdenum	97-1	0.37	0.35	0.39	0.37	5.71	ppb
Molybdenum	98-1	0.35	0.37	0.35	0.36	3.31	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	3.46	3.76	3.62	3.61	4.15	ppb
Phosphorus	31-2	-30.97	32.90	-22.66	-6.91		ppb
Potassium	39-2	502.49	541.67	539.98	528.04	4.19	ppb
Rhodium	103-1				103		%
Rhodium	103-2				98		%
Scandium	45-1				104		%
Scandium	45-2				97		%
Selenium	82-1	-0.09	-0.18	0.00	-0.09		ppb
Selenium	77-2	-0.68	-0.68	-0.68	-0.68		ppb
Selenium	78-2	-0.49	0.97	1.43	0.64	156.74	ppb
Silicon	28-1	1402.29	1428.62	1406.71	1412.54	1.00	ppb
Silver	107-1	0.00	-0.01	0.00	0.00		ppb
Silver	109-1	0.00	0.01	0.00	0.00	78157.27	ppb
Sodium	23-2	29308.28	31563.23	30897.91	30589.80	3.79	ppb
Strontium	86-1	134.90	139.46	137.74	137.37	1.68	ppb
Strontium	88-1	140.61	141.17	141.89	141.22	0.45	ppb
Sulfur	34-1	62638.45	63477.39	63903.99	63339.94	1.02	ppb
Terbium	159-1				106		%
Terbium	159-2				98		%
Thallium	203-1	0.00	-0.01	0.00	0.00		ppb
Thallium	205-1	-0.01	-0.01	0.00	-0.01		ppb
Tin	118-1	0.03	0.01	-0.04	0.00		ppb

LB Number :	LB125034	Operator :	Jaswal
Lab Sample ID :	O2224-16DLX5	Instrumnet Name :	P8
Client Sample ID :	OU3-FC-BACKFILL-08DI	Dilution Factor :	5
Date & Time Acquired :	2023-04-18 14:13:42	DataFile Name :	033AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Titanium	47-1	0.25	0.32	0.26	0.28	13.37	ppb
Uranium	238-1	0.20	0.23	0.22	0.22	7.00	ppb
Vanadium	51-2	0.60	0.71	0.66	0.66	7.77	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	113.37	121.04	114.91	116.44	3.48	ppb
Zirconium	90-1	0.00	0.00	0.01	0.00	14.14	ppb
Zirconium	91-1	-0.02	-0.06	-0.04	-0.04		ppb

LB Number :	LB125034	Operator :	Jaswal
Lab Sample ID :	O2224-18DLX5	Instrumnet Name :	P8
Client Sample ID :	OU3-FC-BACKFILL-09DI	Dilution Factor :	5
Date & Time Acquired :	2023-04-18 14:16:39	DataFile Name :	034AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	63.40	65.22	64.26	64.29	1.42	ppb
Antimony	121-1	0.01	0.03	0.03	0.02	50.89	ppb
Arsenic	75-2	0.35	0.25	0.29	0.29	17.02	ppb
Barium	135-1	14.60	15.68	14.66	14.98	4.04	ppb
Barium	137-1	15.07	15.17	15.27	15.17	0.69	ppb
Beryllium	9-1	0.03	0.04	0.04	0.04	9.57	ppb
Bismuth	209-1				101		%
Bismuth	209-2				101		%
Boron	10-1	115.78	119.70	126.87	120.78	4.65	ppb
Boron	11-1	119.87	126.20	132.96	126.34	5.18	ppb
Bromine	81-1						cps
Cadmium	111-1	-0.03	-0.07	0.00	-0.03		ppb
Cadmium	106-1	-7.16	-7.45	-6.32	-6.98		ppb
Cadmium	108-1	-0.09	-0.18	-0.09	-0.12		ppb
Calcium	43-1	85265.63	86880.70	87307.32	86484.55	1.25	ppb
Calcium	44-1	82702.77	85253.61	86042.46	84666.28	2.06	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	0.03	-0.01	0.05	0.03	133.14	ppb
Cobalt	59-2	8.84	8.83	8.92	8.86	0.57	ppb
Copper	63-2	1.62	1.63	1.63	1.63	0.27	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				106		%
Holmium	165-2				104		%
Indium	115-1				104		%
Indium	115-2				102		%
Iron	54-2	9007.36	8925.86	8761.07	8898.10	1.41	ppb
Iron	56-2	9200.17	8957.40	9120.19	9092.59	1.36	ppb
Iron	57-2	8791.00	8712.50	8863.76	8789.09	0.86	ppb

LB Number :	LB125034	Operator :	Jaswal
Lab Sample ID :	O2224-18DLX5	Instrumnet Name :	P8
Client Sample ID :	OU3-FC-BACKFILL-09DI	Dilution Factor :	5
Date & Time Acquired :	2023-04-18 14:16:39	DataFile Name :	034AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Krypton	83-1						cps
Lead	206-1	0.04	0.02	0.03	0.03	34.78	ppb
Lead	207-1	0.01	0.05	0.03	0.03	54.33	ppb
Lead	208-1	0.03	0.03	0.03	0.03	10.95	ppb
Lithium	6-1				98		%
Magnesium	24-2	3028.85	3064.13	3066.62	3053.20	0.69	ppb
Manganese	55-2	584.63	580.78	574.92	580.11	0.84	ppb
Molybdenum	94-1	0.27	0.32	0.25	0.28	12.45	ppb
Molybdenum	95-1	0.33	0.33	0.34	0.33	0.85	ppb
Molybdenum	96-1	0.37	0.41	0.37	0.39	6.23	ppb
Molybdenum	97-1	0.35	0.29	0.35	0.33	10.03	ppb
Molybdenum	98-1	0.31	0.25	0.33	0.30	12.43	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	4.35	4.36	3.99	4.23	4.98	ppb
Phosphorus	31-2	-42.53	-45.73	-31.86	-40.04		ppb
Potassium	39-2	461.13	448.91	475.38	461.81	2.87	ppb
Rhodium	103-1				102		%
Rhodium	103-2				100		%
Scandium	45-1				104		%
Scandium	45-2				100		%
Selenium	82-1	-0.09	-0.60	0.43	-0.09		ppb
Selenium	77-2	1.28	-0.68	-0.68	-0.03		ppb
Selenium	78-2	-0.05	1.32	1.08	0.78	93.50	ppb
Silicon	28-1	1660.73	1631.44	1655.20	1649.12	0.94	ppb
Silver	107-1	-0.01	-0.01	0.00	0.00		ppb
Silver	109-1	0.00	0.00	0.00	0.00		ppb
Sodium	23-2	25585.40	25327.06	24960.50	25290.99	1.24	ppb
Strontium	86-1	134.49	136.59	136.61	135.90	0.89	ppb
Strontium	88-1	137.55	140.61	138.67	138.95	1.12	ppb
Sulfur	34-1	68351.38	66425.42	68279.57	67685.46	1.61	ppb
Terbium	159-1				105		%
Terbium	159-2				103		%
Thallium	203-1	-0.01	-0.04	-0.02	-0.02		ppb
Thallium	205-1	0.00	0.00	-0.02	-0.01		ppb
Tin	118-1	-0.03	-0.03	-0.03	-0.03		ppb

LB Number :	LB125034	Operator :	Jaswal
Lab Sample ID :	O2224-18DLX5	Instrumnet Name :	P8
Client Sample ID :	OU3-FC-BACKFILL-09DI	Dilution Factor :	5
Date & Time Acquired :	2023-04-18 14:16:39	DataFile Name :	034AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Titanium	47-1	0.19	0.23	0.22	0.22	9.10	ppb
Uranium	238-1	0.18	0.22	0.21	0.21	10.44	ppb
Vanadium	51-2	1.51	1.57	1.50	1.52	2.43	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				105		%
Yttrium	89-2				104		%
Zinc	66-2	121.91	120.87	117.78	120.19	1.79	ppb
Zirconium	90-1	0.01	0.00	0.00	0.00	123.02	ppb
Zirconium	91-1	-0.03	-0.02	-0.03	-0.03		ppb

LB Number :	LB125034	Operator :	Jaswal
Lab Sample ID :	O2224-20DLX5	Instrumnet Name :	P8
Client Sample ID :	OU3-FC-BACKFILL-10DI	Dilution Factor :	5
Date & Time Acquired :	2023-04-18 14:19:39	DataFile Name :	035AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	528.08	533.42	522.07	527.86	1.08	ppb
Antimony	121-1	0.03	0.02	0.01	0.02	60.88	ppb
Arsenic	75-2	0.49	0.42	0.39	0.43	11.08	ppb
Barium	135-1	14.56	14.25	14.84	14.55	2.03	ppb
Barium	137-1	14.81	14.76	15.27	14.94	1.87	ppb
Beryllium	9-1	0.06	0.06	0.05	0.05	10.12	ppb
Bismuth	209-1				103		%
Bismuth	209-2				103		%
Boron	10-1	140.18	150.30	152.07	147.52	4.35	ppb
Boron	11-1	144.22	157.82	162.44	154.83	6.12	ppb
Bromine	81-1						cps
Cadmium	111-1	-0.09	-0.05	-0.02	-0.05		ppb
Cadmium	106-1	-10.19	-6.75	-6.97	-7.97		ppb
Cadmium	108-1	0.03	-0.27	-0.18	-0.14		ppb
Calcium	43-1	80197.90	75752.28	78452.71	78134.30	2.87	ppb
Calcium	44-1	78119.82	76764.90	78209.05	77697.92	1.04	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	0.81	0.82	0.83	0.82	1.26	ppb
Cobalt	59-2	8.03	8.50	8.16	8.23	2.92	ppb
Copper	63-2	6.58	6.88	6.45	6.64	3.30	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				105		%
Indium	115-1				105		%
Indium	115-2				103		%
Iron	54-2	13164.36	13553.83	13182.99	13300.39	1.65	ppb
Iron	56-2	13813.27	14040.10	13571.70	13808.36	1.70	ppb
Iron	57-2	13381.62	13581.79	12915.66	13293.02	2.57	ppb

LB Number :	LB125034	Operator :	Jaswal
Lab Sample ID :	O2224-20DLX5	Instrumnet Name :	P8
Client Sample ID :	OU3-FC-BACKFILL-10DI	Dilution Factor :	5
Date & Time Acquired :	2023-04-18 14:19:39	DataFile Name :	035AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Krypton	83-1						cps
Lead	206-1	0.09	0.15	0.16	0.14	26.26	ppb
Lead	207-1	0.13	0.17	0.17	0.16	17.14	ppb
Lead	208-1	0.12	0.15	0.15	0.14	14.18	ppb
Lithium	6-1				100		%
Magnesium	24-2	3312.73	3421.25	3268.29	3334.09	2.36	ppb
Manganese	55-2	529.32	534.56	522.54	528.81	1.14	ppb
Molybdenum	94-1	0.26	0.34	0.35	0.31	16.00	ppb
Molybdenum	95-1	0.23	0.17	0.23	0.21	14.79	ppb
Molybdenum	96-1	0.28	0.32	0.27	0.29	9.22	ppb
Molybdenum	97-1	0.15	0.14	0.17	0.16	8.19	ppb
Molybdenum	98-1	0.17	0.17	0.15	0.16	7.84	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	4.95	4.92	5.23	5.04	3.40	ppb
Phosphorus	31-2	-13.32	-25.87	1.14	-12.68		ppb
Potassium	39-2	412.14	420.20	418.22	416.86	1.01	ppb
Rhodium	103-1				103		%
Rhodium	103-2				101		%
Scandium	45-1				105		%
Scandium	45-2				101		%
Selenium	82-1	0.22	-0.16	-0.46	-0.13		ppb
Selenium	77-2	1.25	2.29	1.25	1.60	37.37	ppb
Selenium	78-2	0.39	-0.36	0.56	0.20	244.68	ppb
Silicon	28-1	1947.97	1919.05	1927.03	1931.35	0.77	ppb
Silver	107-1	-0.01	0.00	0.00	-0.01		ppb
Silver	109-1	0.00	0.00	0.00	0.00		ppb
Sodium	23-2	17739.85	18215.06	18194.46	18049.79	1.49	ppb
Strontium	86-1	112.22	111.54	111.65	111.80	0.33	ppb
Strontium	88-1	113.29	116.56	116.20	115.35	1.55	ppb
Sulfur	34-1	62830.64	61945.47	64004.19	62926.77	1.64	ppb
Terbium	159-1				106		%
Terbium	159-2				105		%
Thallium	203-1	-0.02	0.01	-0.01	-0.01		ppb
Thallium	205-1	-0.01	-0.02	-0.01	-0.02		ppb
Tin	118-1	0.14	0.17	0.19	0.17	12.93	ppb

LB Number :	LB125034	Operator :	Jaswal
Lab Sample ID :	O2224-20DLX5	Instrumnet Name :	P8
Client Sample ID :	OU3-FC-BACKFILL-10DI	Dilution Factor :	5
Date & Time Acquired :	2023-04-18 14:19:39	DataFile Name :	035AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Titanium	47-1	0.48	0.42	0.41	0.44	9.09	ppb
Uranium	238-1	0.34	0.36	0.35	0.35	2.09	ppb
Vanadium	51-2	4.11	4.20	4.06	4.12	1.82	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	115.47	118.65	111.57	115.23	3.08	ppb
Zirconium	90-1	0.05	0.05	0.06	0.05	10.73	ppb
Zirconium	91-1	0.02	0.03	-0.02	0.01	333.77	ppb

LB Number :	LB125034	Operator :	Jaswal
Lab Sample ID :	O2224-22DLX5	Instrumnet Name :	P8
Client Sample ID :	OU3-FC-BACKFILL-11DI	Dilution Factor :	5
Date & Time Acquired :	2023-04-18 14:22:37	DataFile Name :	036AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	2274.20	2264.39	2183.87	2240.82	2.21	ppb
Antimony	121-1	0.09	0.08	0.07	0.08	16.21	ppb
Arsenic	75-2	2.53	2.37	2.20	2.37	7.10	ppb
Barium	135-1	60.35	61.77	58.03	60.05	3.15	ppb
Barium	137-1	63.25	61.09	61.88	62.07	1.77	ppb
Beryllium	9-1	0.05	0.06	0.04	0.05	15.43	ppb
Bismuth	209-1				104		%
Bismuth	209-2				106		%
Boron	10-1	116.85	120.04	130.65	122.52	5.90	ppb
Boron	11-1	122.80	127.45	136.53	128.93	5.41	ppb
Bromine	81-1						cps
Cadmium	111-1	-0.02	-0.08	-0.11	-0.07		ppb
Cadmium	106-1	-4.21	-8.54	-10.23	-7.66		ppb
Cadmium	108-1	0.00	0.08	0.21	0.10	103.79	ppb
Calcium	43-1	2516.50	2413.50	2476.08	2468.69	2.10	ppb
Calcium	44-1	2532.70	2466.17	2524.68	2507.85	1.45	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1.19	1.20	1.09	1.16	5.53	ppb
Cobalt	59-2	3.00	2.98	2.91	2.96	1.74	ppb
Copper	63-2	59.73	59.57	56.99	58.77	2.62	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				107		%
Holmium	165-2				105		%
Indium	115-1				104		%
Indium	115-2				103		%
Iron	54-2	7510.08	7288.15	7019.44	7272.55	3.38	ppb
Iron	56-2	7631.71	7596.36	7308.54	7512.20	2.36	ppb
Iron	57-2	7236.71	7133.27	6880.97	7083.65	2.58	ppb

LB Number :	LB125034	Operator :	Jaswal
Lab Sample ID :	O2224-22DLX5	Instrumnet Name :	P8
Client Sample ID :	OU3-FC-BACKFILL-11DL	Dilution Factor :	5
Date & Time Acquired :	2023-04-18 14:22:37	DataFile Name :	036AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Krypton	83-1						cps
Lead	206-1	41.29	41.86	42.65	41.93	1.62	ppb
Lead	207-1	40.49	39.81	41.16	40.49	1.66	ppb
Lead	208-1	40.51	40.81	41.21	40.84	0.85	ppb
Lithium	6-1				100		%
Magnesium	24-2	2382.84	2357.13	2271.31	2337.10	2.50	ppb
Manganese	55-2	47.35	44.73	44.16	45.41	3.75	ppb
Molybdenum	94-1	2.33	2.14	1.83	2.10	11.96	ppb
Molybdenum	95-1	0.70	0.63	0.71	0.68	6.09	ppb
Molybdenum	96-1	0.72	0.77	0.75	0.75	3.35	ppb
Molybdenum	97-1	0.56	0.57	0.62	0.59	5.94	ppb
Molybdenum	98-1	0.53	0.48	0.56	0.52	7.14	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	2.63	2.56	2.62	2.60	1.56	ppb
Phosphorus	31-2	67.47	45.72	63.19	58.79	19.60	ppb
Potassium	39-2	460.44	444.54	457.12	454.03	1.85	ppb
Rhodium	103-1				104		%
Rhodium	103-2				102		%
Scandium	45-1				103		%
Scandium	45-2				100		%
Selenium	82-1	-0.04	-0.05	0.36	0.09	259.90	ppb
Selenium	77-2	0.27	1.27	2.26	1.26	78.77	ppb
Selenium	78-2	0.88	-0.77	0.73	0.28	323.67	ppb
Silicon	28-1	3180.50	3110.17	3175.71	3155.46	1.25	ppb
Silver	107-1	0.31	0.32	0.34	0.32	4.80	ppb
Silver	109-1	0.36	0.38	0.28	0.34	15.71	ppb
Sodium	23-2	12858.56	12702.97	12637.57	12733.03	0.89	ppb
Strontium	86-1	11.31	12.70	11.92	11.98	5.83	ppb
Strontium	88-1	11.79	11.93	11.83	11.85	0.63	ppb
Sulfur	34-1	104761.02	104080.49	106304.70	105048.74	1.08	ppb
Terbium	159-1				105		%
Terbium	159-2				104		%
Thallium	203-1	0.01	-0.02	0.00	0.00		ppb
Thallium	205-1	-0.02	-0.01	-0.02	-0.02		ppb
Tin	118-1	0.13	0.12	0.11	0.12	5.35	ppb

LB Number :	LB125034	Operator :	Jaswal
Lab Sample ID :	O2224-22DLX5	Instrumnet Name :	P8
Client Sample ID :	OU3-FC-BACKFILL-11DI	Dilution Factor :	5
Date & Time Acquired :	2023-04-18 14:22:37	DataFile Name :	036AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Titanium	47-1	47.81	46.83	47.57	47.40	1.08	ppb
Uranium	238-1	0.19	0.18	0.19	0.19	4.39	ppb
Vanadium	51-2	21.16	21.09	19.90	20.72	3.43	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	149.92	148.87	141.39	146.73	3.17	ppb
Zirconium	90-1	0.94	0.90	0.92	0.92	2.28	ppb
Zirconium	91-1	0.77	0.84	0.87	0.82	6.24	ppb

LB Number :	LB125034	Operator :	Jaswal
Lab Sample ID :	O2224-24DLX5	Instrumnet Name :	P8
Client Sample ID :	OU3-FC-BACKFILL-12DI	Dilution Factor :	5
Date & Time Acquired :	2023-04-18 14:25:41	DataFile Name :	037AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	496.90	477.34	462.54	478.93	3.60	ppb
Antimony	121-1	0.01	0.01	0.03	0.02	66.51	ppb
Arsenic	75-2	0.39	0.47	0.42	0.43	9.65	ppb
Barium	135-1	13.83	14.88	14.17	14.30	3.75	ppb
Barium	137-1	13.57	15.07	14.26	14.30	5.26	ppb
Beryllium	9-1	0.04	0.04	0.05	0.04	15.76	ppb
Bismuth	209-1				102		%
Bismuth	209-2				102		%
Boron	10-1	141.46	162.33	156.60	153.47	7.02	ppb
Boron	11-1	149.21	169.35	165.50	161.35	6.63	ppb
Bromine	81-1						cps
Cadmium	111-1	-0.06	-0.01	-0.10	-0.06		ppb
Cadmium	106-1	-5.72	-6.00	-10.13	-7.28		ppb
Cadmium	108-1	0.03	-0.13	0.17	0.02	725.14	ppb
Calcium	43-1	81957.66	83372.40	79692.48	81674.18	2.27	ppb
Calcium	44-1	80605.60	81375.06	80033.85	80671.50	0.83	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	0.16	0.18	0.19	0.18	9.94	ppb
Cobalt	59-2	8.85	8.78	8.49	8.71	2.20	ppb
Copper	63-2	5.11	5.27	5.05	5.14	2.21	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				108		%
Holmium	165-2				104		%
Indium	115-1				105		%
Indium	115-2				102		%
Iron	54-2	14541.37	14014.88	13431.11	13995.79	3.97	ppb
Iron	56-2	14943.50	14338.44	13840.69	14374.21	3.84	ppb
Iron	57-2	14525.97	14129.63	13245.86	13967.16	4.69	ppb

LB Number :	LB125034	Operator :	Jaswal
Lab Sample ID :	O2224-24DLX5	Instrumnet Name :	P8
Client Sample ID :	OU3-FC-BACKFILL-12DI	Dilution Factor :	5
Date & Time Acquired :	2023-04-18 14:25:41	DataFile Name :	037AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Krypton	83-1						cps
Lead	206-1	0.07	0.08	0.06	0.07	14.66	ppb
Lead	207-1	0.08	0.07	0.10	0.08	16.29	ppb
Lead	208-1	0.08	0.07	0.07	0.07	7.63	ppb
Lithium	6-1				101		%
Magnesium	24-2	3740.95	3544.78	3410.13	3565.29	4.67	ppb
Manganese	55-2	581.17	569.11	543.67	564.65	3.39	ppb
Molybdenum	94-1	0.33	0.28	0.31	0.31	8.15	ppb
Molybdenum	95-1	0.22	0.24	0.26	0.24	8.50	ppb
Molybdenum	96-1	0.27	0.33	0.29	0.30	10.76	ppb
Molybdenum	97-1	0.23	0.18	0.18	0.20	13.61	ppb
Molybdenum	98-1	0.17	0.15	0.18	0.16	7.84	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	5.27	5.15	4.75	5.06	5.37	ppb
Phosphorus	31-2	12.84	2.77	-2.08	4.51	168.75	ppb
Potassium	39-2	496.00	459.01	453.12	469.38	4.95	ppb
Rhodium	103-1				103		%
Rhodium	103-2				100		%
Scandium	45-1				104		%
Scandium	45-2				99		%
Selenium	82-1	-0.41	0.22	-0.12	-0.10		ppb
Selenium	77-2	4.24	1.28	1.24	2.25	76.32	ppb
Selenium	78-2	1.27	-0.48	1.28	0.69	146.48	ppb
Silicon	28-1	1993.05	2026.93	1960.54	1993.51	1.67	ppb
Silver	107-1	0.00	-0.01	-0.01	-0.01		ppb
Silver	109-1	0.00	0.00	0.00	0.00		ppb
Sodium	23-2	22209.21	21235.63	20628.82	21357.89	3.73	ppb
Strontium	86-1	122.05	121.24	118.89	120.73	1.36	ppb
Strontium	88-1	123.53	125.88	122.42	123.94	1.42	ppb
Sulfur	34-1	68540.49	69915.33	64784.94	67746.92	3.92	ppb
Terbium	159-1				106		%
Terbium	159-2				103		%
Thallium	203-1	-0.02	0.00	-0.02	-0.02		ppb
Thallium	205-1	-0.02	-0.01	-0.01	-0.01		ppb
Tin	118-1	0.01	0.00	0.02	0.01	72.69	ppb

LB Number :	LB125034	Operator :	Jaswal
Lab Sample ID :	O2224-24DLX5	Instrumnet Name :	P8
Client Sample ID :	OU3-FC-BACKFILL-12DI	Dilution Factor :	5
Date & Time Acquired :	2023-04-18 14:25:41	DataFile Name :	037AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Titanium	47-1	0.45	0.46	0.42	0.44	4.88	ppb
Uranium	238-1	0.34	0.38	0.36	0.36	5.04	ppb
Vanadium	51-2	4.09	4.02	3.94	4.02	1.90	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				104		%
Yttrium	89-2				105		%
Zinc	66-2	131.37	127.84	121.01	126.74	4.16	ppb
Zirconium	90-1	0.03	0.04	0.02	0.03	39.74	ppb
Zirconium	91-1	-0.01	-0.01	0.00	0.00		ppb

LB Number :	LB125034	Operator :	Jaswal
Lab Sample ID :	O2224-26DLX5	Instrumnet Name :	P8
Client Sample ID :	OU3-FC-BACKFILL-13DI	Dilution Factor :	5
Date & Time Acquired :	2023-04-18 14:28:39	DataFile Name :	038AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	42.35	41.88	40.86	41.70	1.82	ppb
Antimony	121-1	0.03	0.01	0.02	0.02	33.18	ppb
Arsenic	75-2	0.33	0.27	0.28	0.29	10.78	ppb
Barium	135-1	14.48	12.61	14.49	13.86	7.80	ppb
Barium	137-1	14.07	13.83	14.84	14.24	3.70	ppb
Beryllium	9-1	0.02	0.02	0.02	0.02	16.88	ppb
Bismuth	209-1				102		%
Bismuth	209-2				101		%
Boron	10-1	111.35	113.11	121.29	115.25	4.60	ppb
Boron	11-1	115.35	121.63	126.74	121.24	4.71	ppb
Bromine	81-1						cps
Cadmium	111-1	-0.03	-0.12	-0.08	-0.07		ppb
Cadmium	106-1	-5.97	-13.11	-7.90	-9.00		ppb
Cadmium	108-1	0.00	-0.10	0.01	-0.03		ppb
Calcium	43-1	88051.92	90142.03	86233.39	88142.45	2.22	ppb
Calcium	44-1	86877.81	86768.86	86726.15	86790.94	0.09	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	0.01	0.00	0.01	0.01	75.54	ppb
Cobalt	59-2	8.86	8.55	8.74	8.72	1.81	ppb
Copper	63-2	1.33	1.13	1.21	1.22	7.92	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				108		%
Holmium	165-2				105		%
Indium	115-1				105		%
Indium	115-2				102		%
Iron	54-2	8946.26	8578.65	8667.66	8730.86	2.20	ppb
Iron	56-2	9058.16	8732.39	8621.88	8804.14	2.58	ppb
Iron	57-2	8778.45	8424.20	8536.53	8579.73	2.11	ppb

LB Number :	LB125034	Operator :	Jaswal
Lab Sample ID :	O2224-26DLX5	Instrumnet Name :	P8
Client Sample ID :	OU3-FC-BACKFILL-13DI	Dilution Factor :	5
Date & Time Acquired :	2023-04-18 14:28:39	DataFile Name :	038AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Krypton	83-1						cps
Lead	206-1	0.01	0.04	0.03	0.03	54.54	ppb
Lead	207-1	0.02	0.01	0.02	0.02	39.64	ppb
Lead	208-1	0.04	0.02	0.02	0.03	36.65	ppb
Lithium	6-1				102		%
Magnesium	24-2	3332.89	3257.01	3232.94	3274.28	1.59	ppb
Manganese	55-2	607.17	580.99	586.06	591.41	2.35	ppb
Molybdenum	94-1	0.26	0.27	0.22	0.25	10.01	ppb
Molybdenum	95-1	0.35	0.37	0.31	0.34	8.61	ppb
Molybdenum	96-1	0.38	0.34	0.33	0.35	7.84	ppb
Molybdenum	97-1	0.27	0.31	0.32	0.30	8.57	ppb
Molybdenum	98-1	0.35	0.36	0.32	0.34	5.01	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	4.33	4.08	4.25	4.22	3.09	ppb
Phosphorus	31-2	-11.28	-30.32	-5.94	-15.85		ppb
Potassium	39-2	489.78	461.93	476.30	476.00	2.93	ppb
Rhodium	103-1				102		%
Rhodium	103-2				99		%
Scandium	45-1				103		%
Scandium	45-2				99		%
Selenium	82-1	-0.40	0.23	0.30	0.04	913.43	ppb
Selenium	77-2	-0.68	-0.68	0.31	-0.35		ppb
Selenium	78-2	-0.50	-0.67	1.25	0.03	4051.98	ppb
Silicon	28-1	1600.81	1665.63	1574.39	1613.61	2.91	ppb
Silver	107-1	-0.01	-0.01	-0.01	-0.01		ppb
Silver	109-1	0.00	0.00	0.00	0.00	167.87	ppb
Sodium	23-2	27822.70	26078.06	26846.63	26915.80	3.25	ppb
Strontium	86-1	141.76	140.48	142.28	141.50	0.66	ppb
Strontium	88-1	147.29	146.65	143.50	145.81	1.39	ppb
Sulfur	34-1	69491.24	69732.60	66697.02	68640.29	2.46	ppb
Terbium	159-1				105		%
Terbium	159-2				103		%
Thallium	203-1	-0.02	-0.02	-0.03	-0.03		ppb
Thallium	205-1	-0.01	0.00	-0.01	-0.01		ppb
Tin	118-1	0.00	-0.04	0.03	0.00		ppb

LB Number :	LB125034	Operator :	Jaswal
Lab Sample ID :	O2224-26DLX5	Instrumnet Name :	P8
Client Sample ID :	OU3-FC-BACKFILL-13DI	Dilution Factor :	5
Date & Time Acquired :	2023-04-18 14:28:39	DataFile Name :	038AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Titanium	47-1	0.35	0.32	0.19	0.29	29.23	ppb
Uranium	238-1	0.20	0.19	0.20	0.20	3.05	ppb
Vanadium	51-2	1.35	1.25	1.24	1.28	4.91	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				103		%
Yttrium	89-2				104		%
Zinc	66-2	115.32	111.54	110.31	112.39	2.32	ppb
Zirconium	90-1	-0.01	-0.01	0.00	0.00		ppb
Zirconium	91-1	-0.02	-0.06	-0.02	-0.03		ppb

LB Number :	LB125034	Operator :	Jaswal
Lab Sample ID :	O2224-28DLX5	Instrumnet Name :	P8
Client Sample ID :	OU3-FC-BACKFILL-14DI	Dilution Factor :	5
Date & Time Acquired :	2023-04-18 14:31:39	DataFile Name :	039AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	35.54	34.05	31.72	33.77	5.72	ppb
Antimony	121-1	0.02	0.04	0.02	0.03	33.71	ppb
Arsenic	75-2	0.22	0.24	0.23	0.23	4.91	ppb
Barium	135-1	13.81	13.87	14.32	14.00	1.98	ppb
Barium	137-1	13.74	14.02	14.25	14.01	1.82	ppb
Beryllium	9-1	0.02	0.03	0.03	0.03	18.19	ppb
Bismuth	209-1				102		%
Bismuth	209-2				104		%
Boron	10-1	102.50	107.51	110.96	106.99	3.98	ppb
Boron	11-1	109.35	115.44	117.94	114.24	3.87	ppb
Bromine	81-1						cps
Cadmium	111-1	-0.05	-0.05	-0.01	-0.04		ppb
Cadmium	106-1	-7.29	-8.34	-7.11	-7.58		ppb
Cadmium	108-1	-0.05	0.27	-0.09	0.05	440.75	ppb
Calcium	43-1	85053.92	84923.78	82944.07	84307.26	1.40	ppb
Calcium	44-1	83317.50	84050.01	82866.98	83411.50	0.72	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1.03	0.94	0.87	0.95	8.55	ppb
Cobalt	59-2	8.68	8.81	8.61	8.70	1.16	ppb
Copper	63-2	0.87	0.93	0.94	0.92	4.35	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				107		%
Holmium	165-2				103		%
Indium	115-1				105		%
Indium	115-2				102		%
Iron	54-2	6545.86	6387.15	6311.59	6414.86	1.86	ppb
Iron	56-2	6696.11	6644.27	6310.22	6550.20	3.20	ppb
Iron	57-2	6353.84	6490.95	6366.63	6403.81	1.18	ppb

LB Number :	LB125034	Operator :	Jaswal
Lab Sample ID :	O2224-28DLX5	Instrumnet Name :	P8
Client Sample ID :	OU3-FC-BACKFILL-14DI	Dilution Factor :	5
Date & Time Acquired :	2023-04-18 14:31:39	DataFile Name :	039AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Krypton	83-1						cps
Lead	206-1	0.09	0.11	0.10	0.10	11.58	ppb
Lead	207-1	0.09	0.08	0.10	0.09	12.57	ppb
Lead	208-1	0.09	0.09	0.10	0.09	7.95	ppb
Lithium	6-1				101		%
Magnesium	24-2	3205.64	3226.08	3201.07	3210.93	0.41	ppb
Manganese	55-2	602.18	586.07	573.78	587.34	2.42	ppb
Molybdenum	94-1	0.25	0.24	0.36	0.28	23.25	ppb
Molybdenum	95-1	0.33	0.31	0.35	0.33	6.79	ppb
Molybdenum	96-1	0.38	0.41	0.43	0.41	5.35	ppb
Molybdenum	97-1	0.30	0.41	0.35	0.35	15.95	ppb
Molybdenum	98-1	0.31	0.32	0.32	0.31	1.28	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	4.40	4.53	4.41	4.44	1.66	ppb
Phosphorus	31-2	-20.57	-53.47	3.40	-23.55		ppb
Potassium	39-2	488.81	476.73	497.72	487.75	2.16	ppb
Rhodium	103-1				103		%
Rhodium	103-2				101		%
Scandium	45-1				104		%
Scandium	45-2				99		%
Selenium	82-1	0.18	0.15	0.49	0.27	68.19	ppb
Selenium	77-2	0.29	-0.68	-0.68	-0.36		ppb
Selenium	78-2	0.27	-0.98	0.73	0.01	13347.50	ppb
Silicon	28-1	1560.04	1526.56	1505.66	1530.75	1.79	ppb
Silver	107-1	0.00	0.00	0.00	0.00	162.04	ppb
Silver	109-1	0.00	0.00	-0.01	0.00		ppb
Sodium	23-2	29359.96	30412.13	29319.41	29697.17	2.09	ppb
Strontium	86-1	140.55	143.45	142.94	142.31	1.09	ppb
Strontium	88-1	150.47	148.02	145.78	148.09	1.58	ppb
Sulfur	34-1	67606.35	66328.64	64643.38	66192.79	2.25	ppb
Terbium	159-1				104		%
Terbium	159-2				105		%
Thallium	203-1	-0.04	-0.01	-0.02	-0.02		ppb
Thallium	205-1	-0.02	-0.01	-0.02	-0.02		ppb
Tin	118-1	0.05	0.06	-0.01	0.03	109.54	ppb

LB Number :	LB125034	Operator :	Jaswal
Lab Sample ID :	O2224-28DLX5	Instrumnet Name :	P8
Client Sample ID :	OU3-FC-BACKFILL-14DI	Dilution Factor :	5
Date & Time Acquired :	2023-04-18 14:31:39	DataFile Name :	039AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Titanium	47-1	0.19	0.33	0.36	0.29	31.23	ppb
Uranium	238-1	0.20	0.19	0.20	0.20	3.00	ppb
Vanadium	51-2	0.95	0.87	0.78	0.87	9.84	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				105		%
Yttrium	89-2				105		%
Zinc	66-2	102.84	101.37	101.47	101.89	0.80	ppb
Zirconium	90-1	0.01	0.00	0.01	0.01	94.95	ppb
Zirconium	91-1	-0.03	0.01	-0.02	-0.02		ppb

LB Number :	LB125034	Operator :	Jaswal
Lab Sample ID :	O2224-30DLX5	Instrumnet Name :	P8
Client Sample ID :	OU3-FC-BACKFILL-15DI	Dilution Factor :	5
Date & Time Acquired :	2023-04-18 14:34:37	DataFile Name :	040AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	1035.09	1016.71	1002.01	1017.94	1.63	ppb
Antimony	121-1	0.01	0.03	0.02	0.02	55.38	ppb
Arsenic	75-2	0.57	0.64	0.51	0.58	11.47	ppb
Barium	135-1	13.50	14.81	13.62	13.98	5.21	ppb
Barium	137-1	14.27	14.85	14.48	14.53	2.00	ppb
Beryllium	9-1	0.05	0.06	0.04	0.05	19.30	ppb
Bismuth	209-1				104		%
Bismuth	209-2				102		%
Boron	10-1	153.76	156.90	166.29	158.98	4.10	ppb
Boron	11-1	161.92	167.12	175.04	168.03	3.93	ppb
Bromine	81-1						cps
Cadmium	111-1	-0.11	-0.07	-0.06	-0.08		ppb
Cadmium	106-1	-11.64	-8.28	-8.80	-9.58		ppb
Cadmium	108-1	-0.06	0.18	-0.01	0.04	313.56	ppb
Calcium	43-1	82608.59	85099.76	79935.38	82547.91	3.13	ppb
Calcium	44-1	80676.18	84211.49	81109.41	81999.03	2.35	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	0.53	0.54	0.47	0.51	7.75	ppb
Cobalt	59-2	9.34	9.01	9.12	9.15	1.84	ppb
Copper	63-2	6.32	6.07	6.08	6.15	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				109		%
Holmium	165-2				103		%
Indium	115-1				106		%
Indium	115-2				102		%
Iron	54-2	14515.78	13989.44	13845.44	14116.89	2.50	ppb
Iron	56-2	14918.59	14505.99	14260.18	14561.59	2.28	ppb
Iron	57-2	14125.98	13822.66	13451.58	13800.07	2.45	ppb

LB Number :	LB125034	Operator :	Jaswal
Lab Sample ID :	O2224-30DLX5	Instrumnet Name :	P8
Client Sample ID :	OU3-FC-BACKFILL-15DI	Dilution Factor :	5
Date & Time Acquired :	2023-04-18 14:34:37	DataFile Name :	040AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Krypton	83-1						cps
Lead	206-1	0.14	0.17	0.12	0.14	17.95	ppb
Lead	207-1	0.13	0.11	0.16	0.14	17.99	ppb
Lead	208-1	0.13	0.13	0.12	0.13	2.18	ppb
Lithium	6-1				103		%
Magnesium	24-2	4047.93	3938.44	3917.86	3968.07	1.76	ppb
Manganese	55-2	577.06	569.30	556.86	567.74	1.80	ppb
Molybdenum	94-1	0.41	0.34	0.40	0.38	9.67	ppb
Molybdenum	95-1	0.24	0.23	0.26	0.24	6.59	ppb
Molybdenum	96-1	0.30	0.29	0.31	0.30	3.76	ppb
Molybdenum	97-1	0.24	0.17	0.21	0.21	17.50	ppb
Molybdenum	98-1	0.22	0.17	0.18	0.19	15.00	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	5.51	5.54	4.98	5.34	5.90	ppb
Phosphorus	31-2	-15.67	7.38	4.79	-1.17		ppb
Potassium	39-2	454.17	450.13	437.53	447.28	1.94	ppb
Rhodium	103-1				103		%
Rhodium	103-2				101		%
Scandium	45-1				102		%
Scandium	45-2				99		%
Selenium	82-1	0.15	0.25	0.10	0.17	44.46	ppb
Selenium	77-2	1.27	0.27	1.32	0.95	62.15	ppb
Selenium	78-2	0.61	2.26	0.23	1.04	104.23	ppb
Silicon	28-1	2256.62	2286.11	2252.72	2265.15	0.81	ppb
Silver	107-1	0.00	0.00	-0.01	0.00		ppb
Silver	109-1	0.00	0.00	0.00	0.00		ppb
Sodium	23-2	21852.35	22063.60	21486.74	21800.89	1.34	ppb
Strontium	86-1	126.99	128.50	123.39	126.29	2.08	ppb
Strontium	88-1	130.92	127.17	125.34	127.81	2.23	ppb
Sulfur	34-1	67345.78	70787.53	70165.47	69432.93	2.64	ppb
Terbium	159-1				106		%
Terbium	159-2				104		%
Thallium	203-1	-0.03	-0.02	-0.02	-0.02		ppb
Thallium	205-1	-0.01	-0.02	-0.02	-0.01		ppb
Tin	118-1	0.01	0.01	-0.01	0.00	353.90	ppb

LB Number :	LB125034	Operator :	Jaswal
Lab Sample ID :	O2224-30DLX5	Instrumnet Name :	P8
Client Sample ID :	OU3-FC-BACKFILL-15DI	Dilution Factor :	5
Date & Time Acquired :	2023-04-18 14:34:37	DataFile Name :	040AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Titanium	47-1	0.58	0.56	0.68	0.61	10.57	ppb
Uranium	238-1	0.36	0.35	0.39	0.37	5.65	ppb
Vanadium	51-2	10.56	10.73	10.61	10.63	0.83	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	117.96	113.72	112.38	114.69	2.54	ppb
Zirconium	90-1	0.12	0.15	0.11	0.13	16.34	ppb
Zirconium	91-1	0.09	0.08	0.06	0.08	17.79	ppb

LB Number :	LB125034	Operator :	Jaswal
Lab Sample ID :	O2224-30DUPDLX5	Instrumnet Name :	P8
Client Sample ID :	OU3-FC-BACKFILL-15DI	Dilution Factor :	5
Date & Time Acquired :	2023-04-18 14:37:37	DataFile Name :	041AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	1046.22	1008.97	988.85	1014.68	2.87	ppb
Antimony	121-1	0.02	0.01	0.01	0.01	57.35	ppb
Arsenic	75-2	0.48	0.50	0.50	0.49	2.77	ppb
Barium	135-1	14.12	14.22	13.76	14.03	1.72	ppb
Barium	137-1	14.33	14.75	14.38	14.48	1.57	ppb
Beryllium	9-1	0.05	0.05	0.04	0.05	22.19	ppb
Bismuth	209-1				103		%
Bismuth	209-2				103		%
Boron	10-1	158.47	171.80	176.19	168.82	5.47	ppb
Boron	11-1	171.70	181.80	180.99	178.16	3.15	ppb
Bromine	81-1						cps
Cadmium	111-1	-0.02	-0.07	-0.02	-0.04		ppb
Cadmium	106-1	-5.54	-10.30	-7.57	-7.80		ppb
Cadmium	108-1	-0.05	-0.10	-0.06	-0.07		ppb
Calcium	43-1	81687.62	81859.69	82842.36	82129.89	0.76	ppb
Calcium	44-1	80371.90	80991.01	79880.60	80414.50	0.69	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	0.54	0.49	0.50	0.51	5.32	ppb
Cobalt	59-2	9.51	9.15	9.08	9.25	2.51	ppb
Copper	63-2	6.42	5.97	5.97	6.12	4.33	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				109		%
Holmium	165-2				106		%
Indium	115-1				105		%
Indium	115-2				102		%
Iron	54-2	14497.56	14035.75	13751.72	14095.01	2.67	ppb
Iron	56-2	15062.52	14603.85	14455.06	14707.14	2.15	ppb
Iron	57-2	14325.19	14077.18	13800.33	14067.57	1.87	ppb

LB Number :	LB125034	Operator :	Jaswal
Lab Sample ID :	O2224-30DUPDLX5	Instrumnet Name :	P8
Client Sample ID :	OU3-FC-BACKFILL-15DI	Dilution Factor :	5
Date & Time Acquired :	2023-04-18 14:37:37	DataFile Name :	041AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Krypton	83-1						cps
Lead	206-1	0.12	0.10	0.12	0.11	8.96	ppb
Lead	207-1	0.10	0.10	0.11	0.10	5.95	ppb
Lead	208-1	0.12	0.11	0.12	0.12	3.09	ppb
Lithium	6-1				101		%
Magnesium	24-2	4075.44	3970.79	3862.87	3969.70	2.68	ppb
Manganese	55-2	589.98	569.48	561.74	573.73	2.54	ppb
Molybdenum	94-1	0.40	0.52	0.39	0.44	16.16	ppb
Molybdenum	95-1	0.23	0.18	0.21	0.21	14.20	ppb
Molybdenum	96-1	0.32	0.26	0.26	0.28	12.51	ppb
Molybdenum	97-1	0.18	0.19	0.16	0.17	9.07	ppb
Molybdenum	98-1	0.20	0.16	0.19	0.18	12.10	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	5.06	5.40	5.19	5.22	3.27	ppb
Phosphorus	31-2	25.69	26.94	-19.07	11.19	234.28	ppb
Potassium	39-2	456.12	441.84	447.74	448.57	1.60	ppb
Rhodium	103-1				103		%
Rhodium	103-2				102		%
Scandium	45-1				104		%
Scandium	45-2				99		%
Selenium	82-1	0.68	-0.63	0.13	0.06	1082.30	ppb
Selenium	77-2	0.31	0.29	2.17	0.92	117.08	ppb
Selenium	78-2	0.63	1.29	0.64	0.85	44.17	ppb
Silicon	28-1	2201.04	2281.60	2228.09	2236.91	1.83	ppb
Silver	107-1	-0.01	0.00	-0.01	-0.01		ppb
Silver	109-1	0.00	0.00	0.00	0.00		ppb
Sodium	23-2	22812.93	21773.06	20906.03	21830.67	4.37	ppb
Strontium	86-1	125.87	128.14	124.99	126.34	1.28	ppb
Strontium	88-1	128.88	128.95	128.23	128.69	0.31	ppb
Sulfur	34-1	69361.42	70976.90	69636.90	69991.74	1.23	ppb
Terbium	159-1				107		%
Terbium	159-2				104		%
Thallium	203-1	-0.02	-0.03	-0.03	-0.03		ppb
Thallium	205-1	-0.02	-0.01	-0.01	-0.01		ppb
Tin	118-1	0.02	0.08	0.07	0.06	53.84	ppb

LB Number :	LB125034	Operator :	Jaswal
Lab Sample ID :	O2224-30DUPDLX5	Instrumnet Name :	P8
Client Sample ID :	OU3-FC-BACKFILL-15DI	Dilution Factor :	5
Date & Time Acquired :	2023-04-18 14:37:37	DataFile Name :	041AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Titanium	47-1	0.69	0.53	0.47	0.56	19.87	ppb
Uranium	238-1	0.37	0.37	0.37	0.37	1.10	ppb
Vanadium	51-2	11.05	10.16	10.28	10.50	4.63	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				105		%
Yttrium	89-2				105		%
Zinc	66-2	117.43	114.29	114.97	115.56	1.43	ppb
Zirconium	90-1	0.11	0.12	0.12	0.12	6.87	ppb
Zirconium	91-1	0.07	0.08	0.11	0.09	21.43	ppb

LB Number :	LB125034	Operator :	Jaswal
Lab Sample ID :	O2224-30LDLX25	Instrumnet Name :	P8
Client Sample ID :	OU3-FC-BACKFILL-15LL	Dilution Factor :	25
Date & Time Acquired :	2023-04-18 14:40:35	DataFile Name :	042AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	208.14	229.09	203.92	213.72	6.31	ppb
Antimony	121-1	0.00	0.00	0.00	0.00	351.10	ppb
Arsenic	75-2	0.09	0.10	0.14	0.11	23.47	ppb
Barium	135-1	2.77	2.58	2.78	2.71	4.21	ppb
Barium	137-1	2.71	2.85	3.02	2.86	5.55	ppb
Beryllium	9-1	0.01	0.02	0.01	0.01	26.31	ppb
Bismuth	209-1				103		%
Bismuth	209-2				98		%
Boron	10-1	49.37	48.56	51.45	49.79	2.99	ppb
Boron	11-1	49.77	51.69	53.02	51.49	3.18	ppb
Bromine	81-1						cps
Cadmium	111-1	-0.12	-0.05	-0.07	-0.08		ppb
Cadmium	106-1	-10.01	-5.64	-6.91	-7.52		ppb
Cadmium	108-1	0.12	-0.19	-0.27	-0.11		ppb
Calcium	43-1	16061.84	15841.90	15906.99	15936.91	0.71	ppb
Calcium	44-1	15789.14	16090.15	16486.70	16122.00	2.17	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	0.07	0.08	0.09	0.08	10.68	ppb
Cobalt	59-2	1.92	2.11	1.92	1.98	5.45	ppb
Copper	63-2	1.27	1.52	1.21	1.34	12.05	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				109		%
Holmium	165-2				98		%
Indium	115-1				107		%
Indium	115-2				96		%
Iron	54-2	2869.76	3189.52	2844.58	2967.95	6.48	ppb
Iron	56-2	2886.55	3291.33	2933.73	3037.20	7.29	ppb
Iron	57-2	2848.91	3161.12	2772.43	2927.49	7.03	ppb

LB Number :	LB125034	Operator :	Jaswal
Lab Sample ID :	O2224-30LDLX25	Instrumnet Name :	P8
Client Sample ID :	OU3-FC-BACKFILL-15LL	Dilution Factor :	25
Date & Time Acquired :	2023-04-18 14:40:35	DataFile Name :	042AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Krypton	83-1						cps
Lead	206-1	0.04	-0.01	0.03	0.02	139.53	ppb
Lead	207-1	0.05	0.00	0.06	0.04	78.76	ppb
Lead	208-1	0.03	0.02	0.03	0.03	31.35	ppb
Lithium	6-1				103		%
Magnesium	24-2	802.58	892.98	794.96	830.18	6.57	ppb
Manganese	55-2	115.59	126.81	112.70	118.37	6.30	ppb
Molybdenum	94-1	0.08	0.07	0.14	0.09	41.66	ppb
Molybdenum	95-1	0.06	0.08	0.04	0.06	32.41	ppb
Molybdenum	96-1	0.05	0.08	0.04	0.06	34.19	ppb
Molybdenum	97-1	0.05	0.05	0.01	0.04	74.62	ppb
Molybdenum	98-1	0.03	0.03	0.03	0.03	2.66	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	1.06	1.16	0.97	1.06	9.12	ppb
Phosphorus	31-2	-25.78	6.32	-7.85	-9.10		ppb
Potassium	39-2	93.11	148.62	102.05	114.59	26.01	ppb
Rhodium	103-1				105		%
Rhodium	103-2				97		%
Scandium	45-1				103		%
Scandium	45-2				95		%
Selenium	82-1	-0.32	0.53	-0.13	0.03	1726.61	ppb
Selenium	77-2	0.31	2.70	0.33	1.11	123.34	ppb
Selenium	78-2	1.17	-0.39	1.11	0.63	139.55	ppb
Silicon	28-1	444.92	432.17	433.25	436.78	1.62	ppb
Silver	107-1	0.00	-0.01	-0.01	0.00		ppb
Silver	109-1	0.00	0.00	0.00	0.00		ppb
Sodium	23-2	4429.59	4836.30	4359.11	4541.67	5.67	ppb
Strontium	86-1	24.05	24.84	25.53	24.81	2.98	ppb
Strontium	88-1	24.03	25.17	25.13	24.78	2.62	ppb
Sulfur	34-1	17107.83	16716.67	16595.01	16806.50	1.59	ppb
Terbium	159-1				106		%
Terbium	159-2				97		%
Thallium	203-1	-0.03	-0.04	-0.04	-0.04		ppb
Thallium	205-1	-0.03	-0.03	-0.03	-0.03		ppb
Tin	118-1	-0.02	-0.02	-0.05	-0.03		ppb

LB Number :	LB125034	Operator :	Jaswal
Lab Sample ID :	O2224-30LDLX25	Instrumnet Name :	P8
Client Sample ID :	OU3-FC-BACKFILL-15LE	Dilution Factor :	25
Date & Time Acquired :	2023-04-18 14:40:35	DataFile Name :	042AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Titanium	47-1	0.19	0.16	0.21	0.19	12.28	ppb
Uranium	238-1	0.05	0.07	0.08	0.07	23.44	ppb
Vanadium	51-2	1.99	2.20	1.98	2.06	6.00	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				105		%
Yttrium	89-2				98		%
Zinc	66-2	23.98	26.24	23.70	24.64	5.65	ppb
Zirconium	90-1	0.00	0.03	0.01	0.01	113.95	ppb
Zirconium	91-1	0.01	0.02	-0.02	0.00	878.58	ppb

LB Number :	LB125034	Operator :	Jaswal
Lab Sample ID :	CCV29	Instrumnet Name :	P8
Client Sample ID :	CCV29	Dilution Factor :	1
Date & Time Acquired :	2023-04-18 14:50:42	DataFile Name :	045CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	54374.22	52520.16	50852.79	52582.39	3.35	ppb
Antimony	121-1	508.63	480.26	494.60	494.50	2.87	ppb
Arsenic	75-2	517.40	497.09	485.27	499.92	3.25	ppb
Barium	135-1	2667.76	2445.32	2516.95	2543.34	4.46	ppb
Barium	137-1	2598.41	2520.76	2555.48	2558.22	1.52	ppb
Beryllium	9-1	476.44	458.97	492.20	475.87	3.49	ppb
Bismuth	209-1				101		%
Bismuth	209-2				98		%
Boron	10-1	490.27	497.23	548.18	511.89	6.18	ppb
Boron	11-1	520.29	517.56	555.71	531.19	4.01	ppb
Bromine	81-1						cps
Cadmium	111-1	507.93	494.14	495.23	499.10	1.54	ppb
Cadmium	106-1	495.04	499.28	516.74	503.69	2.28	ppb
Cadmium	108-1	516.50	496.12	514.36	509.00	2.20	ppb
Calcium	43-1	254008.11	245142.85	254995.59	251382.18	2.16	ppb
Calcium	44-1	253884.20	247375.16	249660.88	250306.75	1.32	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	506.41	496.76	486.32	496.50	2.02	ppb
Cobalt	59-2	511.35	496.64	483.14	497.04	2.84	ppb
Copper	63-2	5310.97	5163.33	5112.33	5195.54	1.99	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				110		%
Holmium	165-2				102		%
Indium	115-1				104		%
Indium	115-2				98		%
Iron	54-2	134757.30	132387.03	133280.81	133475.05	0.90	ppb
Iron	56-2	132161.58	132362.69	131923.94	132149.40	0.17	ppb
Iron	57-2	135720.04	133670.26	131069.04	133486.45	1.75	ppb

LB Number :	LB125034	Operator :	Jaswal
Lab Sample ID :	CCV29	Instrumnet Name :	P8
Client Sample ID :	CCV29	Dilution Factor :	1
Date & Time Acquired :	2023-04-18 14:50:42	DataFile Name :	045CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Krypton	83-1						cps
Lead	206-1	2561.37	2490.09	2562.01	2537.82	1.63	ppb
Lead	207-1	2490.00	2509.60	2567.27	2522.29	1.59	ppb
Lead	208-1	2511.83	2480.79	2528.01	2506.88	0.96	ppb
Lithium	6-1				104		%
Magnesium	24-2	265617.98	253007.57	251182.11	256602.55	3.06	ppb
Manganese	55-2	5285.11	5163.57	5178.26	5208.98	1.27	ppb
Molybdenum	94-1	5072.04	5036.12	5024.21	5044.12	0.49	ppb
Molybdenum	95-1	4975.37	4918.86	4960.55	4951.60	0.59	ppb
Molybdenum	96-1	5070.41	5012.92	5112.14	5065.16	0.98	ppb
Molybdenum	97-1	4990.05	5006.31	5109.35	5035.24	1.28	ppb
Molybdenum	98-1	5118.11	5048.42	4951.39	5039.30	1.66	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	511.91	495.15	496.03	501.03	1.88	ppb
Phosphorus	31-2	10560.15	9828.94	9689.32	10026.13	4.66	ppb
Potassium	39-2	134266.13	128993.39	128558.42	130605.98	2.43	ppb
Rhodium	103-1				100		%
Rhodium	103-2				96		%
Scandium	45-1				106		%
Scandium	45-2				99		%
Selenium	82-1	485.77	477.51	481.45	481.58	0.86	ppb
Selenium	77-2	560.16	469.69	488.44	506.10	9.44	ppb
Selenium	78-2	520.83	482.64	480.90	494.79	4.56	ppb
Silicon	28-1	385.51	395.87	422.52	401.30	4.76	ppb
Silver	107-1	521.78	505.99	509.43	512.40	1.62	ppb
Silver	109-1	522.52	489.66	505.52	505.90	3.25	ppb
Sodium	23-2	246713.80	245313.31	238900.75	243642.62	1.71	ppb
Strontium	86-1	12992.64	12573.70	12462.93	12676.42	2.20	ppb
Strontium	88-1	12813.12	12424.79	12545.63	12594.51	1.58	ppb
Sulfur	34-1	11348.93	10226.92	10964.30	10846.72	5.26	ppb
Terbium	159-1				106		%
Terbium	159-2				102		%
Thallium	203-1	498.19	494.73	507.88	500.27	1.36	ppb
Thallium	205-1	510.39	490.49	499.68	500.19	1.99	ppb
Tin	118-1	512.93	491.69	507.83	504.15	2.20	ppb

LB Number :	LB125034	Operator :	Jaswal
Lab Sample ID :	CCV29	Instrumnet Name :	P8
Client Sample ID :	CCV29	Dilution Factor :	1
Date & Time Acquired :	2023-04-18 14:50:42	DataFile Name :	045CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Titanium	47-1	5073.13	4987.02	4992.48	5017.54	0.96	ppb
Uranium	238-1	504.46	496.23	518.62	506.44	2.24	ppb
Vanadium	51-2	526.18	509.13	504.26	513.19	2.24	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	4925.72	4862.90	4772.78	4853.80	1.58	ppb
Zirconium	90-1	513.11	496.96	503.44	504.50	1.61	ppb
Zirconium	91-1	492.73	488.61	498.72	493.35	1.03	ppb

LB Number :	LB125034	Operator :	Jaswal
Lab Sample ID :	CCB29	Instrumnet Name :	P8
Client Sample ID :	CCB29	Dilution Factor :	1
Date & Time Acquired :	2023-04-18 14:56:37	DataFile Name :	046CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	-0.04	0.36	0.07	0.13	159.86	ppb
Antimony	121-1	0.08	0.08	0.09	0.08	7.55	ppb
Arsenic	75-2	0.01	0.01	0.00	0.01	72.79	ppb
Barium	135-1	0.05	0.08	0.01	0.04	86.47	ppb
Barium	137-1	0.06	0.01	0.00	0.02	139.19	ppb
Beryllium	9-1	0.13	0.10	0.12	0.12	15.82	ppb
Bismuth	209-1				103		%
Bismuth	209-2				103		%
Boron	10-1	22.09	21.07	20.70	21.29	3.39	ppb
Boron	11-1	22.29	20.92	21.32	21.51	3.27	ppb
Bromine	81-1						cps
Cadmium	111-1	-0.07	-0.07	-0.12	-0.09		ppb
Cadmium	106-1	-7.75	-7.35	-11.27	-8.79		ppb
Cadmium	108-1	-0.09	-0.17	-0.09	-0.12		ppb
Calcium	43-1	2.78	0.25	-2.04	0.33	728.93	ppb
Calcium	44-1	-11.70	-12.93	-14.02	-12.88		ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	0.00	-0.02	-0.03	-0.01		ppb
Cobalt	59-2	-0.01	-0.01	-0.02	-0.01		ppb
Copper	63-2	0.27	0.32	0.25	0.28	13.10	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				105		%
Holmium	165-2				103		%
Indium	115-1				105		%
Indium	115-2				101		%
Iron	54-2	-0.97	1.82	0.15	0.33	419.91	ppb
Iron	56-2	1.29	0.97	1.06	1.10	14.94	ppb
Iron	57-2	-0.76	1.18	1.46	0.63	191.88	ppb

LB Number :	LB125034	Operator :	Jaswal
Lab Sample ID :	CCB29	Instrumnet Name :	P8
Client Sample ID :	CCB29	Dilution Factor :	1
Date & Time Acquired :	2023-04-18 14:56:37	DataFile Name :	046CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Krypton	83-1						cps
Lead	206-1	0.04	0.03	0.03	0.03	25.69	ppb
Lead	207-1	0.11	0.04	0.00	0.05	101.72	ppb
Lead	208-1	0.07	0.03	0.03	0.04	51.54	ppb
Lithium	6-1				102		%
Magnesium	24-2	2.23	1.64	2.16	2.01	15.94	ppb
Manganese	55-2	0.10	0.03	0.08	0.07	52.08	ppb
Molybdenum	94-1	0.41	0.27	0.24	0.31	30.75	ppb
Molybdenum	95-1	0.46	0.31	0.28	0.35	26.96	ppb
Molybdenum	96-1	0.38	0.30	0.20	0.29	31.29	ppb
Molybdenum	97-1	0.37	0.28	0.23	0.29	24.17	ppb
Molybdenum	98-1	0.32	0.28	0.25	0.28	13.06	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	-0.04	-0.13	-0.03	-0.07		ppb
Phosphorus	31-2	-3.23	-39.98	-47.22	-30.14		ppb
Potassium	39-2	35.86	39.27	22.50	32.54	27.24	ppb
Rhodium	103-1				102		%
Rhodium	103-2				102		%
Scandium	45-1				101		%
Scandium	45-2				98		%
Selenium	82-1	0.05	-0.06	0.50	0.16	177.54	ppb
Selenium	77-2	-0.68	-0.68	-0.68	-0.68		ppb
Selenium	78-2	1.23	-0.03	-0.03	0.39	186.03	ppb
Silicon	28-1	-9.15	-6.95	-8.24	-8.11		ppb
Silver	107-1	0.02	0.02	0.01	0.01	49.37	ppb
Silver	109-1	0.02	0.02	0.02	0.02	8.69	ppb
Sodium	23-2	61.47	62.65	52.62	58.91	9.30	ppb
Strontium	86-1	0.12	0.07	0.09	0.09	27.30	ppb
Strontium	88-1	0.21	0.11	0.05	0.13	61.99	ppb
Sulfur	34-1	-836.14	-266.33	-367.29	-489.92		ppb
Terbium	159-1				103		%
Terbium	159-2				102		%
Thallium	203-1	0.02	0.05	0.04	0.04	37.40	ppb
Thallium	205-1	0.03	0.04	0.03	0.03	18.05	ppb
Tin	118-1	0.00	-0.03	0.00	-0.01		ppb

LB Number :	LB125034	Operator :	Jaswal
Lab Sample ID :	CCB29	Instrumnet Name :	P8
Client Sample ID :	CCB29	Dilution Factor :	1
Date & Time Acquired :	2023-04-18 14:56:37	DataFile Name :	046CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Titanium	47-1	0.06	0.07	-0.04	0.03	189.36	ppb
Uranium	238-1	0.00	0.00	0.00	0.00	1744.85	ppb
Vanadium	51-2	-0.01	0.00	-0.01	-0.01		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	0.07	0.01	-0.18	-0.03		ppb
Zirconium	90-1	0.02	0.02	0.01	0.02	44.21	ppb
Zirconium	91-1	-0.01	-0.04	-0.03	-0.03		ppb

LB Number :	LB125034	Operator :	Jaswal
Lab Sample ID :	O2224-30MSDLX5	Instrumnet Name :	P8
Client Sample ID :	OU3-FC-BACKFILL-15M	Dilution Factor :	5
Date & Time Acquired :	2023-04-18 14:59:41	DataFile Name :	047AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	3091.80	3011.73	2927.25	3010.26	2.73	ppb
Antimony	121-1	97.61	102.88	97.80	99.43	3.00	ppb
Arsenic	75-2	109.28	104.88	102.44	105.53	3.28	ppb
Barium	135-1	500.48	527.29	499.25	509.00	3.11	ppb
Barium	137-1	511.00	532.17	513.03	518.74	2.25	ppb
Beryllium	9-1	97.09	102.05	98.21	99.12	2.62	ppb
Bismuth	209-1				100		%
Bismuth	209-2				102		%
Boron	10-1	225.65	251.80	245.63	241.03	5.67	ppb
Boron	11-1	235.84	259.94	256.92	250.90	5.23	ppb
Bromine	81-1						cps
Cadmium	111-1	103.97	109.00	105.38	106.12	2.44	ppb
Cadmium	106-1	94.42	104.56	102.01	100.33	5.26	ppb
Cadmium	108-1	97.67	102.74	102.25	100.89	2.77	ppb
Calcium	43-1	84498.11	87859.11	88942.38	87099.87	2.66	ppb
Calcium	44-1	83033.85	87571.53	87107.72	85904.37	2.91	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	100.40	98.52	94.64	97.85	3.00	ppb
Cobalt	59-2	111.60	107.82	107.47	108.96	2.10	ppb
Copper	63-2	1075.15	1056.23	1046.05	1059.14	1.39	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				107		%
Holmium	165-2				104		%
Indium	115-1				103		%
Indium	115-2				102		%
Iron	54-2	18847.91	19065.37	17977.07	18630.12	3.09	ppb
Iron	56-2	19697.37	19452.42	18236.44	19128.74	4.09	ppb
Iron	57-2	18648.06	18391.54	18029.42	18356.34	1.69	ppb

LB Number :	LB125034	Operator :	Jaswal
Lab Sample ID :	O2224-30MSDLX5	Instrumnet Name :	P8
Client Sample ID :	OU3-FC-BACKFILL-15M	Dilution Factor :	5
Date & Time Acquired :	2023-04-18 14:59:41	DataFile Name :	047AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Krypton	83-1						cps
Lead	206-1	382.02	395.79	390.67	389.49	1.79	ppb
Lead	207-1	381.12	392.45	395.24	389.60	1.92	ppb
Lead	208-1	395.50	411.07	408.65	405.07	2.07	ppb
Lithium	6-1				102		%
Magnesium	24-2	15833.95	15382.85	14776.14	15330.98	3.46	ppb
Manganese	55-2	1513.07	1521.02	1446.68	1493.59	2.73	ppb
Molybdenum	94-1	479.79	496.35	483.76	486.63	1.78	ppb
Molybdenum	95-1	373.09	381.57	373.58	376.08	1.27	ppb
Molybdenum	96-1	381.83	391.19	392.27	388.43	1.48	ppb
Molybdenum	97-1	376.92	388.46	381.21	382.20	1.53	ppb
Molybdenum	98-1	378.54	389.20	384.88	384.20	1.40	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	109.45	107.26	104.57	107.09	2.29	ppb
Phosphorus	31-2	13.73	7.23	-16.38	1.53	1037.12	ppb
Potassium	39-2	4753.57	4796.36	4644.60	4731.51	1.65	ppb
Rhodium	103-1				101		%
Rhodium	103-2				100		%
Scandium	45-1				102		%
Scandium	45-2				98		%
Selenium	82-1	100.40	103.78	101.56	101.92	1.69	ppb
Selenium	77-2	124.57	108.72	91.52	108.27	15.27	ppb
Selenium	78-2	107.60	101.67	98.15	102.47	4.66	ppb
Silicon	28-1	2054.66	2148.75	2127.33	2110.25	2.34	ppb
Silver	107-1	95.09	99.51	97.86	97.49	2.29	ppb
Silver	109-1	95.71	100.57	98.22	98.17	2.48	ppb
Sodium	23-2	33093.51	32540.68	30835.33	32156.51	3.66	ppb
Strontium	86-1	209.83	217.98	210.69	212.83	2.10	ppb
Strontium	88-1	215.03	225.06	218.86	219.65	2.31	ppb
Sulfur	34-1	62846.83	64737.47	66510.78	64698.36	2.83	ppb
Terbium	159-1				104		%
Terbium	159-2				103		%
Thallium	203-1	94.23	96.06	97.35	95.88	1.64	ppb
Thallium	205-1	96.23	98.56	96.74	97.18	1.26	ppb
Tin	118-1	91.93	99.43	94.32	95.23	4.03	ppb

LB Number :	LB125034	Operator :	Jaswal
Lab Sample ID :	O2224-30MSDLX5	Instrumnet Name :	P8
Client Sample ID :	OU3-FC-BACKFILL-15M	Dilution Factor :	5
Date & Time Acquired :	2023-04-18 14:59:41	DataFile Name :	047AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Titanium	47-1	392.72	411.99	408.93	404.55	2.56	ppb
Uranium	238-1	92.55	96.64	98.48	95.89	3.17	ppb
Vanadium	51-2	115.82	114.83	109.97	113.54	2.76	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				105		%
Yttrium	89-2				104		%
Zinc	66-2	107.01	106.91	104.25	106.06	1.48	ppb
Zirconium	90-1	98.59	100.14	97.14	98.62	1.52	ppb
Zirconium	91-1	96.34	98.28	97.49	97.37	1.00	ppb

LB Number :	LB125034	Operator :	Jaswal
Lab Sample ID :	O2224-30MSDDLX5	Instrumnet Name :	P8
Client Sample ID :	OU3-FC-BACKFILL-15M	Dilution Factor :	5
Date & Time Acquired :	2023-04-18 15:02:39	DataFile Name :	048AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	3017.68	3025.47	2928.16	2990.43	1.81	ppb
Antimony	121-1	99.41	103.09	99.27	100.59	2.15	ppb
Arsenic	75-2	109.54	107.75	103.71	107.00	2.79	ppb
Barium	135-1	512.29	528.30	510.72	517.10	1.88	ppb
Barium	137-1	524.69	542.84	524.06	530.53	2.01	ppb
Beryllium	9-1	101.60	99.20	97.44	99.42	2.10	ppb
Bismuth	209-1				102		%
Bismuth	209-2				104		%
Boron	10-1	245.53	254.73	257.96	252.74	2.55	ppb
Boron	11-1	262.33	261.14	273.70	265.72	2.61	ppb
Bromine	81-1						cps
Cadmium	111-1	105.23	111.90	106.16	107.76	3.36	ppb
Cadmium	106-1	93.02	106.46	94.66	98.05	7.48	ppb
Cadmium	108-1	94.38	104.01	100.21	99.53	4.87	ppb
Calcium	43-1	86434.84	86736.52	85781.02	86317.46	0.57	ppb
Calcium	44-1	85984.31	86373.43	85158.52	85838.75	0.72	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	99.19	98.00	94.05	97.08	2.77	ppb
Cobalt	59-2	111.64	109.82	105.36	108.94	2.97	ppb
Copper	63-2	1085.99	1061.06	1042.38	1063.14	2.06	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				106		%
Holmium	165-2				105		%
Indium	115-1				104		%
Indium	115-2				101		%
Iron	54-2	18634.33	18529.56	17812.20	18325.36	2.44	ppb
Iron	56-2	19292.45	19167.60	18496.57	18985.54	2.25	ppb
Iron	57-2	18530.44	18258.08	17736.90	18175.14	2.22	ppb

LB Number :	LB125034	Operator :	Jaswal
Lab Sample ID :	O2224-30MSDDLX5	Instrumnet Name :	P8
Client Sample ID :	OU3-FC-BACKFILL-15M	Dilution Factor :	5
Date & Time Acquired :	2023-04-18 15:02:39	DataFile Name :	048AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Krypton	83-1						cps
Lead	206-1	384.74	383.73	388.31	385.59	0.62	ppb
Lead	207-1	385.61	381.33	387.61	384.85	0.83	ppb
Lead	208-1	406.73	401.51	406.22	404.82	0.71	ppb
Lithium	6-1				101		%
Magnesium	24-2	15443.15	15051.88	15122.15	15205.73	1.37	ppb
Manganese	55-2	1480.64	1486.86	1429.20	1465.57	2.16	ppb
Molybdenum	94-1	502.90	487.84	487.97	492.91	1.76	ppb
Molybdenum	95-1	386.24	374.94	372.76	377.98	1.91	ppb
Molybdenum	96-1	400.72	387.27	394.71	394.23	1.71	ppb
Molybdenum	97-1	389.53	379.74	384.23	384.50	1.27	ppb
Molybdenum	98-1	400.41	382.42	387.49	390.10	2.38	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	109.94	106.64	104.63	107.07	2.50	ppb
Phosphorus	31-2	4.30	23.03	34.41	20.58	73.89	ppb
Potassium	39-2	4760.76	4695.57	4679.59	4711.97	0.91	ppb
Rhodium	103-1				101		%
Rhodium	103-2				99		%
Scandium	45-1				102		%
Scandium	45-2				98		%
Selenium	82-1	104.88	102.29	104.14	103.77	1.29	ppb
Selenium	77-2	97.63	95.03	115.47	102.71	10.83	ppb
Selenium	78-2	103.71	109.85	104.19	105.92	3.22	ppb
Silicon	28-1	2126.99	2069.00	2080.21	2092.06	1.47	ppb
Silver	107-1	98.19	100.58	96.13	98.30	2.26	ppb
Silver	109-1	98.14	104.32	97.54	100.00	3.76	ppb
Sodium	23-2	31175.45	30819.37	30194.86	30729.89	1.62	ppb
Strontium	86-1	216.23	214.06	211.49	213.93	1.11	ppb
Strontium	88-1	219.52	217.32	220.43	219.09	0.73	ppb
Sulfur	34-1	65684.78	63019.47	62103.75	63602.66	2.93	ppb
Terbium	159-1				104		%
Terbium	159-2				103		%
Thallium	203-1	96.98	94.00	94.96	95.31	1.60	ppb
Thallium	205-1	96.71	96.56	97.73	97.00	0.66	ppb
Tin	118-1	96.05	100.43	95.16	97.21	2.90	ppb

LB Number :	LB125034	Operator :	Jaswal
Lab Sample ID :	O2224-30MSDDLX5	Instrumnet Name :	P8
Client Sample ID :	OU3-FC-BACKFILL-15M	Dilution Factor :	5
Date & Time Acquired :	2023-04-18 15:02:39	DataFile Name :	048AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Titanium	47-1	410.34	411.91	406.88	409.71	0.63	ppb
Uranium	238-1	94.42	92.88	97.20	94.83	2.31	ppb
Vanadium	51-2	115.27	111.42	108.67	111.79	2.97	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				104		%
Yttrium	89-2				103		%
Zinc	66-2	107.79	108.94	103.95	106.89	2.45	ppb
Zirconium	90-1	98.00	98.65	100.22	98.96	1.15	ppb
Zirconium	91-1	100.23	97.44	99.94	99.20	1.55	ppb

LB Number :	LB125034	Operator :	Jaswal
Lab Sample ID :	O2224-30ADLX5	Instrumnet Name :	P8
Client Sample ID :	OU3-FC-BACKFILL-15AI	Dilution Factor :	5
Date & Time Acquired :	2023-04-18 15:05:34	DataFile Name :	049AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	3074.56	3007.58	3023.53	3035.22	1.15	ppb
Antimony	121-1	99.12	102.13	100.59	100.61	1.50	ppb
Arsenic	75-2	110.82	105.89	106.42	107.71	2.51	ppb
Barium	135-1	512.87	520.97	513.26	515.70	0.89	ppb
Barium	137-1	531.23	532.87	519.17	527.76	1.42	ppb
Beryllium	9-1	100.25	100.11	98.79	99.72	0.81	ppb
Bismuth	209-1				102		%
Bismuth	209-2				101		%
Boron	10-1	249.64	258.62	259.36	255.87	2.11	ppb
Boron	11-1	262.50	276.45	274.62	271.19	2.80	ppb
Bromine	81-1						cps
Cadmium	111-1	106.28	108.18	109.14	107.87	1.35	ppb
Cadmium	106-1	102.05	107.05	103.28	104.13	2.50	ppb
Cadmium	108-1	102.85	103.82	103.70	103.46	0.51	ppb
Calcium	43-1	86244.24	85870.97	87469.73	86528.32	0.97	ppb
Calcium	44-1	85250.76	85344.63	85952.70	85516.03	0.45	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	99.68	96.42	97.28	97.79	1.73	ppb
Cobalt	59-2	109.37	110.20	108.26	109.28	0.89	ppb
Copper	63-2	1073.37	1072.66	1035.00	1060.34	2.07	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				106		%
Holmium	165-2				103		%
Indium	115-1				103		%
Indium	115-2				100		%
Iron	54-2	19113.15	18194.85	18328.09	18545.36	2.68	ppb
Iron	56-2	19375.62	19070.40	18617.27	19021.10	2.01	ppb
Iron	57-2	18649.96	18624.85	17967.66	18414.16	2.10	ppb

LB Number :	LB125034	Operator :	Jaswal
Lab Sample ID :	O2224-30ADLX5	Instrumnet Name :	P8
Client Sample ID :	OU3-FC-BACKFILL-15A	Dilution Factor :	5
Date & Time Acquired :	2023-04-18 15:05:34	DataFile Name :	049AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Krypton	83-1						cps
Lead	206-1	381.57	392.08	376.95	383.53	2.02	ppb
Lead	207-1	392.37	390.63	387.35	390.11	0.65	ppb
Lead	208-1	403.47	403.88	403.16	403.50	0.09	ppb
Lithium	6-1				101		%
Magnesium	24-2	15945.93	15242.21	15622.67	15603.60	2.26	ppb
Manganese	55-2	1512.38	1473.71	1464.61	1483.57	1.71	ppb
Molybdenum	94-1	506.77	503.16	490.51	500.14	1.71	ppb
Molybdenum	95-1	388.08	383.29	383.49	384.95	0.70	ppb
Molybdenum	96-1	399.08	393.61	399.72	397.47	0.85	ppb
Molybdenum	97-1	388.05	397.05	388.31	391.14	1.31	ppb
Molybdenum	98-1	398.32	406.08	383.06	395.82	2.96	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	105.51	105.92	106.99	106.14	0.72	ppb
Phosphorus	31-2	-11.88	-18.08	5.77	-8.06		ppb
Potassium	39-2	4878.17	4748.44	4700.82	4775.81	1.92	ppb
Rhodium	103-1				101		%
Rhodium	103-2				99		%
Scandium	45-1				102		%
Scandium	45-2				97		%
Selenium	82-1	104.13	106.53	105.61	105.43	1.15	ppb
Selenium	77-2	107.89	99.11	115.90	107.63	7.80	ppb
Selenium	78-2	102.04	105.83	100.48	102.78	2.68	ppb
Silicon	28-1	2091.99	2073.15	2082.87	2082.67	0.45	ppb
Silver	107-1	98.57	101.25	97.10	98.97	2.13	ppb
Silver	109-1	98.47	101.54	100.78	100.26	1.60	ppb
Sodium	23-2	33372.31	32024.44	32394.44	32597.07	2.14	ppb
Strontium	86-1	219.91	216.33	213.95	216.73	1.38	ppb
Strontium	88-1	222.75	224.03	223.39	223.39	0.29	ppb
Sulfur	34-1	65777.27	64094.80	62763.73	64211.93	2.35	ppb
Terbium	159-1				104		%
Terbium	159-2				101		%
Thallium	203-1	95.15	97.24	93.28	95.22	2.08	ppb
Thallium	205-1	95.30	98.88	94.60	96.26	2.39	ppb
Tin	118-1	97.51	98.68	97.80	98.00	0.62	ppb

LB Number :	LB125034	Operator :	Jaswal
Lab Sample ID :	O2224-30ADLX5	Instrumnet Name :	P8
Client Sample ID :	OU3-FC-BACKFILL-15AI	Dilution Factor :	5
Date & Time Acquired :	2023-04-18 15:05:34	DataFile Name :	049AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Titanium	47-1	403.27	411.47	411.88	408.87	1.19	ppb
Uranium	238-1	95.63	94.69	95.09	95.14	0.50	ppb
Vanadium	51-2	114.92	112.66	112.27	113.28	1.27	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	109.64	108.35	106.05	108.01	1.68	ppb
Zirconium	90-1	99.24	100.31	100.85	100.14	0.82	ppb
Zirconium	91-1	99.29	100.55	100.18	100.01	0.65	ppb

LB Number :	LB125034	Operator :	Jaswal
Lab Sample ID :	PB152017TB	Instrumnet Name :	P8
Client Sample ID :	PB152017TB	Dilution Factor :	1
Date & Time Acquired :	2023-04-18 15:08:31	DataFile Name :	050AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	0.07	0.16	0.35	0.19	75.15	ppb
Antimony	121-1	0.08	0.06	0.13	0.09	39.41	ppb
Arsenic	75-2	0.04	0.00	0.00	0.01	181.24	ppb
Barium	135-1	0.03	0.01	0.03	0.02	39.52	ppb
Barium	137-1	0.02	0.00	0.00	0.01	185.89	ppb
Beryllium	9-1	0.10	0.09	0.09	0.09	8.16	ppb
Bismuth	209-1				106		%
Bismuth	209-2				100		%
Boron	10-1	33.40	30.89	30.29	31.53	5.24	ppb
Boron	11-1	33.83	32.98	31.69	32.83	3.27	ppb
Bromine	81-1						cps
Cadmium	111-1	-0.04	-0.10	-0.07	-0.07		ppb
Cadmium	106-1	-4.92	-9.21	-7.57	-7.23		ppb
Cadmium	108-1	-0.22	-0.22	-0.09	-0.18		ppb
Calcium	43-1	0.87	-2.70	-2.37	-1.40		ppb
Calcium	44-1	-14.84	-15.21	-13.90	-14.65		ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	-0.03	0.01	-0.02	-0.01		ppb
Cobalt	59-2	-0.02	-0.02	-0.02	-0.02		ppb
Copper	63-2	0.15	0.20	0.12	0.16	25.96	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				99		%
Indium	115-1				106		%
Indium	115-2				98		%
Iron	54-2	0.57	3.93	0.91	1.80	102.73	ppb
Iron	56-2	1.05	1.52	1.21	1.26	18.64	ppb
Iron	57-2	3.03	2.59	1.09	2.24	45.60	ppb

LB Number :	LB125034	Operator :	Jaswal
Lab Sample ID :	PB152017TB	Instrumnet Name :	P8
Client Sample ID :	PB152017TB	Dilution Factor :	1
Date & Time Acquired :	2023-04-18 15:08:31	DataFile Name :	050AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Krypton	83-1						cps
Lead	206-1	0.01	0.03	-0.02	0.01	338.67	ppb
Lead	207-1	0.00	0.02	0.03	0.02	89.44	ppb
Lead	208-1	0.01	0.03	0.02	0.02	48.26	ppb
Lithium	6-1				102		%
Magnesium	24-2	2.29	1.35	1.79	1.81	26.02	ppb
Manganese	55-2	0.08	0.04	0.09	0.07	31.56	ppb
Molybdenum	94-1	0.11	0.08	0.08	0.09	19.87	ppb
Molybdenum	95-1	0.15	0.11	0.13	0.13	15.86	ppb
Molybdenum	96-1	0.11	0.06	0.08	0.08	28.72	ppb
Molybdenum	97-1	0.11	0.10	0.12	0.11	9.97	ppb
Molybdenum	98-1	0.10	0.07	0.05	0.07	31.80	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	-0.06	-0.05	-0.06	-0.06		ppb
Phosphorus	31-2	-3.55	17.22	7.10	6.92	149.97	ppb
Potassium	39-2	16.35	70.80	10.35	32.50	102.45	ppb
Rhodium	103-1				103		%
Rhodium	103-2				99		%
Scandium	45-1				103		%
Scandium	45-2				96		%
Selenium	82-1	-0.19	0.14	-0.12	-0.06		ppb
Selenium	77-2	-0.68	-0.68	-0.68	-0.68		ppb
Selenium	78-2	0.04	0.57	0.17	0.26	107.05	ppb
Silicon	28-1	-16.13	-14.14	-10.92	-13.73		ppb
Silver	107-1	0.01	0.01	0.00	0.01	65.81	ppb
Silver	109-1	0.00	0.00	0.01	0.01	88.63	ppb
Sodium	23-2	38.24	56.77	31.83	42.28	30.64	ppb
Strontium	86-1	-0.05	-0.04	-0.06	-0.05		ppb
Strontium	88-1	0.02	-0.01	-0.01	0.00		ppb
Sulfur	34-1	-1538.78	-1104.67	-349.19	-997.55		ppb
Terbium	159-1				103		%
Terbium	159-2				97		%
Thallium	203-1	0.01	-0.01	0.01	0.01	172.20	ppb
Thallium	205-1	0.01	0.00	0.02	0.01	58.25	ppb
Tin	118-1	-0.02	-0.02	-0.02	-0.02		ppb

LB Number :	LB125034	Operator :	Jaswal
Lab Sample ID :	PB152017TB	Instrumnet Name :	P8
Client Sample ID :	PB152017TB	Dilution Factor :	1
Date & Time Acquired :	2023-04-18 15:08:31	DataFile Name :	050AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Titanium	47-1	0.01	-0.07	0.01	-0.02		ppb
Uranium	238-1	0.00	0.00	0.00	0.00		ppb
Vanadium	51-2	-0.01	-0.01	0.00	0.00		ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				104		%
Yttrium	89-2				99		%
Zinc	66-2	0.07	0.03	-0.13	-0.01		ppb
Zirconium	90-1	0.01	0.01	0.03	0.02	72.61	ppb
Zirconium	91-1	-0.02	-0.05	0.01	-0.02		ppb

LB Number :	LB125034	Operator :	Jaswal
Lab Sample ID :	CCV30	Instrumnet Name :	P8
Client Sample ID :	CCV30	Dilution Factor :	1
Date & Time Acquired :	2023-04-18 15:22:34	DataFile Name :	051CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	53373.55	52381.58	49812.76	51855.96	3.54	ppb
Antimony	121-1	496.27	504.64	495.96	498.96	0.99	ppb
Arsenic	75-2	519.02	516.48	498.54	511.34	2.18	ppb
Barium	135-1	2535.24	2611.72	2574.96	2573.98	1.49	ppb
Barium	137-1	2564.35	2615.93	2591.31	2590.53	1.00	ppb
Beryllium	9-1	496.96	505.44	511.22	504.54	1.42	ppb
Bismuth	209-1				98		%
Bismuth	209-2				98		%
Boron	10-1	467.68	509.00	528.80	501.82	6.21	ppb
Boron	11-1	490.22	529.69	548.30	522.73	5.67	ppb
Bromine	81-1						cps
Cadmium	111-1	502.23	513.57	510.22	508.68	1.15	ppb
Cadmium	106-1	489.81	511.48	507.36	502.88	2.29	ppb
Cadmium	108-1	514.58	525.87	514.55	518.33	1.26	ppb
Calcium	43-1	258023.05	264199.25	269822.47	264014.92	2.24	ppb
Calcium	44-1	257058.86	257661.16	261977.11	258899.04	1.04	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	509.29	498.91	482.98	497.06	2.67	ppb
Cobalt	59-2	498.30	492.93	468.06	486.43	3.32	ppb
Copper	63-2	5365.39	5202.27	5080.18	5215.95	2.74	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				106		%
Holmium	165-2				107		%
Indium	115-1				103		%
Indium	115-2				100		%
Iron	54-2	136811.35	132203.57	126639.36	131884.76	3.86	ppb
Iron	56-2	135310.73	135402.27	124572.56	131761.85	4.73	ppb
Iron	57-2	136844.26	133215.77	127309.65	132456.56	3.63	ppb

LB Number :	LB125034	Operator :	Jaswal
Lab Sample ID :	CCV30	Instrumnet Name :	P8
Client Sample ID :	CCV30	Dilution Factor :	1
Date & Time Acquired :	2023-04-18 15:22:34	DataFile Name :	051CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Krypton	83-1						cps
Lead	206-1	2487.88	2540.18	2590.77	2539.61	2.03	ppb
Lead	207-1	2446.78	2599.09	2685.30	2577.06	4.69	ppb
Lead	208-1	2475.58	2564.35	2619.39	2553.11	2.84	ppb
Lithium	6-1				99		%
Magnesium	24-2	260703.11	250123.86	243755.17	251527.38	3.40	ppb
Manganese	55-2	5356.43	5147.58	4904.66	5136.22	4.40	ppb
Molybdenum	94-1	5092.88	5186.16	5149.63	5142.89	0.91	ppb
Molybdenum	95-1	5180.10	5165.26	5111.88	5152.41	0.70	ppb
Molybdenum	96-1	5075.23	5131.39	5220.42	5142.35	1.42	ppb
Molybdenum	97-1	5119.89	5224.99	5236.70	5193.86	1.24	ppb
Molybdenum	98-1	5052.77	5242.43	5161.62	5152.28	1.85	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	504.20	501.67	481.97	495.95	2.45	ppb
Phosphorus	31-2	10189.02	9676.57	10161.07	10008.88	2.88	ppb
Potassium	39-2	131318.33	130102.33	123470.69	128297.12	3.29	ppb
Rhodium	103-1				98		%
Rhodium	103-2				98		%
Scandium	45-1				105		%
Scandium	45-2				102		%
Selenium	82-1	489.38	504.56	503.61	499.18	1.70	ppb
Selenium	77-2	546.29	527.13	520.15	531.19	2.55	ppb
Selenium	78-2	519.03	509.83	506.02	511.62	1.31	ppb
Silicon	28-1	377.51	416.97	429.56	408.01	6.66	ppb
Silver	107-1	527.58	520.29	524.70	524.19	0.70	ppb
Silver	109-1	520.30	536.70	520.08	525.69	1.81	ppb
Sodium	23-2	251905.12	246376.16	236725.56	245002.28	3.14	ppb
Strontium	86-1	12703.08	13228.78	13036.55	12989.47	2.05	ppb
Strontium	88-1	12773.90	13114.43	12915.08	12934.47	1.32	ppb
Sulfur	34-1	11929.31	11951.77	12102.29	11994.46	0.78	ppb
Terbium	159-1				106		%
Terbium	159-2				105		%
Thallium	203-1	506.61	535.95	530.04	524.20	2.96	ppb
Thallium	205-1	500.99	518.10	526.06	515.05	2.49	ppb
Tin	118-1	492.42	511.40	511.95	505.26	2.20	ppb

LB Number :	LB125034	Operator :	Jaswal
Lab Sample ID :	CCV30	Instrumnet Name :	P8
Client Sample ID :	CCV30	Dilution Factor :	1
Date & Time Acquired :	2023-04-18 15:22:34	DataFile Name :	051CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Titanium	47-1	5103.35	5158.76	5262.74	5174.95	1.56	ppb
Uranium	238-1	486.37	514.99	531.30	510.89	4.45	ppb
Vanadium	51-2	526.04	512.64	496.31	511.66	2.91	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				105		%
Yttrium	89-2				104		%
Zinc	66-2	4990.81	4912.11	4704.34	4869.09	3.04	ppb
Zirconium	90-1	514.83	533.44	524.65	524.31	1.78	ppb
Zirconium	91-1	497.17	518.40	511.65	509.07	2.13	ppb

LB Number :	LB125034	Operator :	Jaswal
Lab Sample ID :	CCB30	Instrumnet Name :	P8
Client Sample ID :	CCB30	Dilution Factor :	1
Date & Time Acquired :	2023-04-18 15:33:23	DataFile Name :	052CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	-0.42	-0.04	0.09	-0.12		ppb
Antimony	121-1	0.03	0.03	0.06	0.04	46.02	ppb
Arsenic	75-2	-0.01	-0.01	-0.01	-0.01		ppb
Barium	135-1	0.04	-0.01	-0.01	0.01	559.85	ppb
Barium	137-1	0.04	0.00	0.02	0.02	102.23	ppb
Beryllium	9-1	0.08	0.06	0.05	0.06	32.54	ppb
Bismuth	209-1				105		%
Bismuth	209-2				106		%
Boron	10-1	9.92	9.56	9.95	9.81	2.22	ppb
Boron	11-1	9.46	10.06	9.85	9.79	3.11	ppb
Bromine	81-1						cps
Cadmium	111-1	-0.09	-0.08	-0.12	-0.10		ppb
Cadmium	106-1	-10.04	-8.90	-10.00	-9.65		ppb
Cadmium	108-1	-0.13	-0.09	0.01	-0.07		ppb
Calcium	43-1	-0.72	-3.68	-5.21	-3.21		ppb
Calcium	44-1	-15.16	-18.02	-18.54	-17.24		ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	0.01	0.01	-0.08	-0.02		ppb
Cobalt	59-2	-0.01	-0.02	-0.01	-0.01		ppb
Copper	63-2	0.09	0.10	0.12	0.10	16.80	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				107		%
Holmium	165-2				103		%
Indium	115-1				105		%
Indium	115-2				103		%
Iron	54-2	0.50	0.01	1.04	0.52	99.44	ppb
Iron	56-2	0.52	0.58	0.66	0.59	12.32	ppb
Iron	57-2	2.38	-0.52	3.01	1.62	116.10	ppb

LB Number :	LB125034	Operator :	Jaswal
Lab Sample ID :	CCB30	Instrumnet Name :	P8
Client Sample ID :	CCB30	Dilution Factor :	1
Date & Time Acquired :	2023-04-18 15:33:23	DataFile Name :	052CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Krypton	83-1						cps
Lead	206-1	0.03	0.00	0.00	0.01	133.41	ppb
Lead	207-1	0.02	-0.01	0.02	0.01	242.74	ppb
Lead	208-1	0.03	0.01	0.04	0.02	66.74	ppb
Lithium	6-1				98		%
Magnesium	24-2	1.06	1.17	1.22	1.15	7.20	ppb
Manganese	55-2	0.03	0.05	0.07	0.05	39.45	ppb
Molybdenum	94-1	0.16	0.07	0.04	0.09	65.11	ppb
Molybdenum	95-1	0.15	0.10	0.10	0.11	25.72	ppb
Molybdenum	96-1	0.15	0.07	0.06	0.09	53.04	ppb
Molybdenum	97-1	0.12	0.07	0.06	0.08	37.10	ppb
Molybdenum	98-1	0.14	0.07	0.04	0.08	63.64	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	-0.07	-0.08	-0.05	-0.07		ppb
Phosphorus	31-2	5.26	-9.04	-42.53	-15.44		ppb
Potassium	39-2	12.85	24.35	28.94	22.04	37.60	ppb
Rhodium	103-1				104		%
Rhodium	103-2				102		%
Scandium	45-1				103		%
Scandium	45-2				99		%
Selenium	82-1	0.00	-0.04	0.13	0.03	283.14	ppb
Selenium	77-2	0.28	-0.68	-0.68	-0.36		ppb
Selenium	78-2	1.04	1.10	0.89	1.01	10.68	ppb
Silicon	28-1	-12.82	-13.03	-12.92	-12.92		ppb
Silver	107-1	-0.01	-0.01	0.00	0.00		ppb
Silver	109-1	0.02	0.00	0.00	0.01	154.43	ppb
Sodium	23-2	31.68	35.31	27.96	31.65	11.61	ppb
Strontium	86-1	0.28	-0.04	0.03	0.09	184.51	ppb
Strontium	88-1	0.14	0.01	0.00	0.05	165.79	ppb
Sulfur	34-1	-642.00	-322.94	-469.21	-478.05		ppb
Terbium	159-1				103		%
Terbium	159-2				104		%
Thallium	203-1	-0.01	-0.02	-0.01	-0.01		ppb
Thallium	205-1	-0.02	-0.01	0.00	-0.01		ppb
Tin	118-1	-0.04	-0.02	-0.04	-0.03		ppb

LB Number :	LB125034	Operator :	Jaswal
Lab Sample ID :	CCB30	Instrumnet Name :	P8
Client Sample ID :	CCB30	Dilution Factor :	1
Date & Time Acquired :	2023-04-18 15:33:23	DataFile Name :	052CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Titanium	47-1	-0.02	-0.05	-0.04	-0.04		ppb
Uranium	238-1	0.01	0.00	0.00	0.00	476.18	ppb
Vanadium	51-2	0.00	-0.01	-0.01	-0.01		ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				104		%
Yttrium	89-2				104		%
Zinc	66-2	0.05	-0.01	-0.26	-0.07		ppb
Zirconium	90-1	0.00	0.00	0.00	0.00	1064.74	ppb
Zirconium	91-1	-0.05	-0.02	-0.01	-0.03		ppb

LB Number :	LB125034	Operator :	Jaswal
Lab Sample ID :	S0	Instrumnet Name :	P8
Client Sample ID :	S0	Dilution Factor :	1
Date & Time Acquired :	2023-04-18 12:09:39	DataFile Name :	004CALB.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	65	74	76	72	8.24	cps
Antimony	121-1	50	25	75	50	50.00	cps
Arsenic	75-2	5	3	3	4	31.49	cps
Barium	135-1	17	8	8	11	43.34	cps
Barium	137-1	17	33	25	25	33.32	cps
Beryllium	9-1	75	67	76	73	6.49	cps
Bismuth	209-1	4887423	4898661	4991264	4925783	1.16	cps
Bismuth	209-2	2967963	2924657	2876857	2923159	1.56	cps
Boron	10-1	416	400	458	425	7.05	cps
Boron	11-1	1904	1790	1774	1822	3.89	cps
Bromine	81-1	30142	31269	31478	30963	2.32	cps
Cadmium	111-1	697	635	643	658	5.16	cps
Cadmium	106-1	6885	6427	6527	6613	3.65	cps
Cadmium	108-1	29	29	38	32	15.05	cps
Calcium	43-1	220	160	196	192	15.73	cps
Calcium	44-1	20537	20356	20178	20357	0.88	cps
Carbon	12-1	5088162	5081110	5019395	5062889	0.75	cps
Carbon	12-2	57580	58066	58425	58024	0.73	cps
Chlorine	35-1	240472	242472	242938	241961	0.54	cps
Chlorine	35-2	1859	2009	2009	1959	4.42	cps
Chromium	52-2	597	593	640	610	4.27	cps
Cobalt	59-2	90	93	110	98	10.96	cps
Copper	63-2	767	817	807	797	3.32	cps
Dysprosium	156-1	8	8	0	6	86.60	cps
Dysprosium	156-2	10	0	3	4	114.60	cps
Erbium	164-1	50	50	58	53	9.11	cps
Erbium	164-2	40	33	23	32	26.04	cps
Gadolinium	160-1	208	125	117	150	33.79	cps
Gadolinium	160-2	160	133	140	144	9.61	cps
Holmium	165-1	7882885	7870314	7924397	7892532	0.36	cps
Holmium	165-2	4119113	4113018	4043823	4091985	1.02	cps
Indium	115-1	7229951	7183110	7221827	7211629	0.35	cps
Indium	115-2	1266395	1269583	1253935	1263304	0.65	cps
Iron	54-2	678	733	694	702	4.06	cps
Iron	56-2	3762	3845	4278	3962	7.00	cps
Iron	57-2	256	133	233	207	31.39	cps

LB Number :	LB125034	Operator :	Jaswal
Lab Sample ID :	S0	Instrumnet Name :	P8
Client Sample ID :	S0	Dilution Factor :	1
Date & Time Acquired :	2023-04-18 12:09:39	DataFile Name :	004CALB.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Krypton	83-1	369	326	310	335	9.06	cps
Lead	206-1	483	450	406	446	8.74	cps
Lead	207-1	406	311	378	365	13.31	cps
Lead	208-1	1850	1645	1456	1650	11.96	cps
Lithium	6-1	3837706	3778163	3685263	3767044	2.04	cps
Magnesium	24-2	325	233	225	261	21.25	cps
Manganese	55-2	63	50	47	53	16.53	cps
Molybdenum	94-1	167	100	133	133	25.00	cps
Molybdenum	95-1	25	17	17	19	24.73	cps
Molybdenum	96-1	33	92	67	64	45.81	cps
Molybdenum	97-1	17	17	42	25	57.73	cps
Molybdenum	98-1	33	42	50	42	20.00	cps
Neodymium	150-1	0	0	7	2	173.21	cps
Neodymium	150-2	7	3	0	3	100.05	cps
Nickel	60-2	120	87	127	111	19.29	cps
Phosphorus	31-2	300	217	300	272	17.67	cps
Potassium	39-2	30575	29764	30491	30277	1.47	cps
Rhodium	103-1	7373033	7246616	7063375	7227674	2.15	cps
Rhodium	103-2	3494628	3475882	3436606	3469038	0.85	cps
Scandium	45-1	5759845	5940177	5804462	5834828	1.61	cps
Scandium	45-2	206313	204128	202938	204460	0.84	cps
Selenium	82-1	-46	46	59	20	292.91	cps
Selenium	77-2	0	3	3	2	86.60	cps
Selenium	78-2	56	55	61	57	5.61	cps
Silicon	28-1	863578	878945	901997	881507	2.19	cps
Silver	107-1	167	92	133	131	28.78	cps
Silver	109-1	25	92	50	56	60.62	cps
Sodium	23-2	22526	22877	22393	22599	1.11	cps
Strontium	86-1	725	550	508	594	19.34	cps
Strontium	88-1	775	300	217	431	69.96	cps
Sulfur	34-1	482637	478569	483121	481442	0.52	cps
Terbium	159-1	8528424	8551380	8444399	8508068	0.66	cps
Terbium	159-2	4288704	4088116	4125836	4167552	2.56	cps
Thallium	203-1	250	258	250	253	1.90	cps
Thallium	205-1	600	508	508	539	9.82	cps
Tin	118-1	675	592	633	633	6.58	cps

LB Number :	LB125034	Operator :	Jaswal
Lab Sample ID :	S0	Instrumnet Name :	P8
Client Sample ID :	S0	Dilution Factor :	1
Date & Time Acquired :	2023-04-18 12:09:39	DataFile Name :	004CALB.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Titanium	47-1	183	183	217	194	9.90	cps
Uranium	238-1	67	67	67	67	0.00	cps
Vanadium	51-2	10	23	13	16	44.60	cps
Ytterbium	172-1	42	83	42	56	43.30	cps
Ytterbium	172-2	33	17	44	31	44.41	cps
Ytterbium	176-1	1800	2000	1884	1895	5.30	cps
Ytterbium	176-2	8592	8731	8358	8560	2.20	cps
Yttrium	89-1	13430271	13743044	13602504	13591940	1.15	cps
Yttrium	89-2	1671049	1648208	1622986	1647414	1.46	cps
Zinc	66-2	123	140	160	141	13.01	cps
Zirconium	90-1	567	517	558	547	4.90	cps
Zirconium	91-1	125	150	125	133	10.83	cps

LB Number :	LB125034	Operator :	Jaswal
Lab Sample ID :	S2	Instrumnet Name :	P8
Client Sample ID :	S2	Dilution Factor :	1
Date & Time Acquired :	2023-04-18 12:15:49	DataFile Name :	006CAL.S.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	1067	957	950	992	6.63	cps
Antimony	121-1	8228	8361	8136	8242	1.37	cps
Arsenic	75-2	157	145	137	146	6.88	cps
Barium	135-1	9679	9954	9520	9718	2.26	cps
Barium	137-1	17111	17587	16427	17042	3.42	cps
Beryllium	9-1	1962	2075	1935	1991	3.73	cps
Bismuth	209-1	4881110	4956943	4803264	4880439	1.57	cps
Bismuth	209-2	3031946	2994633	2896963	2974514	2.34	cps
Boron	10-1	5142	5360	5486	5329	3.27	cps
Boron	11-1	22821	24229	24534	23861	3.83	cps
Bromine	81-1	28897	29883	28973	29251	1.87	cps
Cadmium	111-1	1819	1847	1965	1877	4.12	cps
Cadmium	106-1	6485	6835	6885	6735	3.24	cps
Cadmium	108-1	125	142	88	118	23.50	cps
Calcium	43-1	8490	8593	8359	8481	1.38	cps
Calcium	44-1	155187	156073	155842	155701	0.30	cps
Carbon	12-1	4967669	5006339	5019232	4997747	0.54	cps
Carbon	12-2	56852	56961	57229	57014	0.34	cps
Chlorine	35-1	243937	247089	243309	244779	0.83	cps
Chlorine	35-2	1675	1892	1884	1817	6.76	cps
Chromium	52-2	3487	3254	3330	3357	3.54	cps
Cobalt	59-2	2600	2570	2414	2528	3.97	cps
Copper	63-2	4808	4604	4764	4725	2.27	cps
Dysprosium	156-1	8	25	8	14	69.31	cps
Dysprosium	156-2	3	3	10	6	69.34	cps
Erbium	164-1	50	100	75	75	33.33	cps
Erbium	164-2	30	27	20	26	19.92	cps
Gadolinium	160-1	117	83	83	94	20.37	cps
Gadolinium	160-2	133	137	143	138	3.70	cps
Holmium	165-1	8098691	8148306	8002988	8083328	0.91	cps
Holmium	165-2	4093733	4168968	4002354	4088352	2.04	cps
Indium	115-1	7390917	7109741	7379274	7293311	2.18	cps
Indium	115-2	1298799	1290812	1261751	1283787	1.52	cps
Iron	54-2	4356	4062	3656	4025	8.74	cps
Iron	56-2	63279	63100	59820	62067	3.14	cps
Iron	57-2	1556	1467	1583	1535	3.97	cps

LB Number :	LB125034	Operator :	Jaswal
Lab Sample ID :	S2	Instrumnet Name :	P8
Client Sample ID :	S2	Dilution Factor :	1
Date & Time Acquired :	2023-04-18 12:15:49	DataFile Name :	006CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Krypton	83-1	317	321	345	328	4.55	cps
Lead	206-1	3128	3295	3412	3278	4.34	cps
Lead	207-1	3050	2917	2645	2871	7.20	cps
Lead	208-1	13648	13047	13031	13242	2.65	cps
Lithium	6-1	3787167	3813282	3819406	3806618	0.45	cps
Magnesium	24-2	61798	63665	59806	61756	3.12	cps
Manganese	55-2	937	923	897	919	2.22	cps
Molybdenum	94-1	9729	9503	9812	9681	1.65	cps
Molybdenum	95-1	12022	12614	12664	12434	2.87	cps
Molybdenum	96-1	13448	13273	13624	13448	1.30	cps
Molybdenum	97-1	7394	7452	7902	7583	3.67	cps
Molybdenum	98-1	19080	19423	19573	19358	1.30	cps
Neodymium	150-1	0	20	27	16	89.22	cps
Neodymium	150-2	0	3	0	1	173.21	cps
Nickel	60-2	827	650	707	728	12.40	cps
Phosphorus	31-2	275	342	292	303	11.46	cps
Potassium	39-2	75338	71762	70179	72426	3.65	cps
Rhodium	103-1	7248225	7412844	7305768	7322279	1.14	cps
Rhodium	103-2	3482901	3429044	3414885	3442277	1.04	cps
Scandium	45-1	5881007	5775298	5859197	5838501	0.96	cps
Scandium	45-2	209133	201859	201951	204314	2.04	cps
Selenium	82-1	580	625	526	577	8.57	cps
Selenium	77-2	17	17	13	16	12.40	cps
Selenium	78-2	121	117	116	118	2.24	cps
Silicon	28-1	910586	917475	918131	915397	0.46	cps
Silver	107-1	5726	6910	6093	6243	9.71	cps
Silver	109-1	5576	5910	5993	5826	3.79	cps
Sodium	23-2	135391	132171	128429	131997	2.64	cps
Strontium	86-1	2075	2217	1792	2028	10.67	cps
Strontium	88-1	14058	13757	13540	13785	1.88	cps
Sulfur	34-1	484002	482479	487554	484678	0.54	cps
Terbium	159-1	8423837	8671598	8341787	8479074	2.03	cps
Terbium	159-2	4210819	4195710	4141566	4182698	0.87	cps
Thallium	203-1	4017	3559	3967	3848	6.54	cps
Thallium	205-1	8770	9120	9237	9042	2.69	cps
Tin	118-1	18571	18755	18713	18680	0.51	cps

LB Number :	LB125034	Operator :	Jaswal
Lab Sample ID :	S2	Instrumnet Name :	P8
Client Sample ID :	S2	Dilution Factor :	1
Date & Time Acquired :	2023-04-18 12:15:49	DataFile Name :	006CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Titanium	47-1	4051	4676	4301	4342	7.25	cps
Uranium	238-1	11164	11264	10663	11030	2.92	cps
Vanadium	51-2	5478	5351	5691	5507	3.12	cps
Ytterbium	172-1	50	50	67	56	17.32	cps
Ytterbium	172-2	33	28	44	35	24.12	cps
Ytterbium	176-1	2084	1992	2050	2042	2.27	cps
Ytterbium	176-2	7975	9159	8614	8583	6.91	cps
Yttrium	89-1	13174784	13519579	13811842	13502068	2.36	cps
Yttrium	89-2	1695983	1667602	1699244	1687610	1.03	cps
Zinc	66-2	623	677	667	656	4.32	cps
Zirconium	90-1	8803	8561	8553	8639	1.64	cps
Zirconium	91-1	1934	1842	2092	1956	6.47	cps

LB Number :	LB125034	Operator :	Jaswal
Lab Sample ID :	S3	Instrumnet Name :	P8
Client Sample ID :	S3	Dilution Factor :	1
Date & Time Acquired :	2023-04-18 12:18:52	DataFile Name :	007CAL.S.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	44932	45120	43518	44523	1.97	cps
Antimony	121-1	200685	201703	200202	200863	0.38	cps
Arsenic	75-2	6818	6908	6554	6760	2.72	cps
Barium	135-1	244766	247411	247238	246472	0.60	cps
Barium	137-1	424240	427612	424063	425305	0.47	cps
Beryllium	9-1	89128	88453	87012	88198	1.23	cps
Bismuth	209-1	4753933	4996775	4900401	4883703	2.50	cps
Bismuth	209-2	2953929	2979731	2977622	2970427	0.48	cps
Boron	10-1	10055	10944	11308	10769	5.98	cps
Boron	11-1	45317	48474	49742	47844	4.76	cps
Bromine	81-1	31687	29515	29833	30345	3.87	cps
Cadmium	111-1	55409	56176	57014	56200	1.43	cps
Cadmium	106-1	12231	12973	12873	12692	3.17	cps
Cadmium	108-1	4751	4884	4588	4741	3.13	cps
Calcium	43-1	92588	92312	92456	92452	0.15	cps
Calcium	44-1	1481416	1446853	1442470	1456913	1.46	cps
Carbon	12-1	5423628	5592829	5458003	5491487	1.63	cps
Carbon	12-2	62818	62492	62006	62439	0.65	cps
Chlorine	35-1	261834	258212	258673	259573	0.76	cps
Chlorine	35-2	1750	2075	2017	1947	8.90	cps
Chromium	52-2	69371	67642	65938	67650	2.54	cps
Cobalt	59-2	116559	118078	113593	116077	1.97	cps
Copper	63-2	930657	942393	909754	927601	1.78	cps
Dysprosium	156-1	17	25	17	19	24.73	cps
Dysprosium	156-2	3	13	10	9	57.30	cps
Erbium	164-1	83	33	75	64	41.93	cps
Erbium	164-2	50	17	20	29	63.54	cps
Gadolinium	160-1	100	150	92	114	27.70	cps
Gadolinium	160-2	110	183	140	144	25.53	cps
Holmium	165-1	7916275	8069841	8155885	8047334	1.51	cps
Holmium	165-2	4171333	4154136	4154967	4160145	0.23	cps
Indium	115-1	7088333	7365603	7308868	7254268	2.02	cps
Indium	115-2	1266646	1273758	1283026	1274477	0.64	cps
Iron	54-2	164077	164341	158469	162296	2.04	cps
Iron	56-2	3110744	3067695	2951985	3043475	2.70	cps
Iron	57-2	72177	72786	70580	71847	1.59	cps

LB Number :	LB125034	Operator :	Jaswal
Lab Sample ID :	S3	Instrumnet Name :	P8
Client Sample ID :	S3	Dilution Factor :	1
Date & Time Acquired :	2023-04-18 12:18:52	DataFile Name :	007CAL.S.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Krypton	83-1	354	351	372	359	3.23	cps
Lead	206-1	715435	732187	727302	724975	1.19	cps
Lead	207-1	628157	638283	633449	633296	0.80	cps
Lead	208-1	2907691	2926557	2887354	2907200	0.67	cps
Lithium	6-1	3705765	3793062	3699515	3732781	1.40	cps
Magnesium	24-2	622847	612606	594751	610068	2.33	cps
Manganese	55-2	378272	374294	363489	372018	2.06	cps
Molybdenum	94-1	859562	865161	871249	865324	0.68	cps
Molybdenum	95-1	1270949	1252599	1251151	1258233	0.88	cps
Molybdenum	96-1	1405149	1386681	1350747	1380859	2.00	cps
Molybdenum	97-1	788180	778038	768915	778378	1.24	cps
Molybdenum	98-1	2040308	2041781	1991754	2024614	1.41	cps
Neodymium	150-1	20	20	53	31	61.85	cps
Neodymium	150-2	0	7	3	3	100.05	cps
Nickel	60-2	32808	32627	31649	32361	1.93	cps
Phosphorus	31-2	2542	2950	2900	2798	7.96	cps
Potassium	39-2	242719	245339	240641	242900	0.97	cps
Rhodium	103-1	6957394	7189672	7081551	7076206	1.64	cps
Rhodium	103-2	3447580	3525870	3537317	3503589	1.39	cps
Scandium	45-1	5827731	5725516	5856629	5803292	1.19	cps
Scandium	45-2	202042	204390	206300	204244	1.04	cps
Selenium	82-1	5183	5215	5153	5184	0.60	cps
Selenium	77-2	140	147	220	169	26.28	cps
Selenium	78-2	661	604	655	640	4.89	cps
Silicon	28-1	1164014	1231997	1222838	1206283	3.06	cps
Silver	107-1	295685	303412	295621	298239	1.50	cps
Silver	109-1	285339	285273	289222	286611	0.79	cps
Sodium	23-2	1149944	1163283	1102301	1138509	2.82	cps
Strontium	86-1	1966267	1940745	1930636	1945883	0.94	cps
Strontium	88-1	16201766	16626162	16147269	16325065	1.61	cps
Sulfur	34-1	517639	520801	514530	517656	0.61	cps
Terbium	159-1	8397943	8588135	8544073	8510050	1.17	cps
Terbium	159-2	4136730	4115781	4180016	4144176	0.79	cps
Thallium	203-1	179180	178428	181791	179800	0.98	cps
Thallium	205-1	418957	425127	423234	422439	0.75	cps
Tin	118-1	181554	187615	183396	184188	1.69	cps

LB Number :	LB125034	Operator :	Jaswal
Lab Sample ID :	S3	Instrumnet Name :	P8
Client Sample ID :	S3	Dilution Factor :	1
Date & Time Acquired :	2023-04-18 12:18:52	DataFile Name :	007CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Titanium	47-1	401744	403865	400961	402190	0.37	cps
Uranium	238-1	541193	549110	528517	539606	1.93	cps
Vanadium	51-2	53741	52499	51904	52715	1.78	cps
Ytterbium	172-1	75	67	42	61	28.38	cps
Ytterbium	172-2	22	44	33	33	33.35	cps
Ytterbium	176-1	2625	2975	2409	2670	10.71	cps
Ytterbium	176-2	8664	8458	8875	8666	2.41	cps
Yttrium	89-1	13004080	13465665	13552917	13340887	2.21	cps
Yttrium	89-2	1668298	1682160	1749996	1700151	2.57	cps
Zinc	66-2	119682	117264	114744	117230	2.11	cps
Zirconium	90-1	413354	418887	410551	414264	1.02	cps
Zirconium	91-1	92113	93094	93891	93033	0.96	cps

LB Number :	LB125034	Operator :	Jaswal
Lab Sample ID :	S4	Instrumnet Name :	P8
Client Sample ID :	S4	Dilution Factor :	1
Date & Time Acquired :	2023-04-18 12:21:54	DataFile Name :	008CAL.S.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	114166	111448	110051	111888	1.87	cps
Antimony	121-1	489139	504395	494957	496163	1.55	cps
Arsenic	75-2	17474	16965	16758	17065	2.16	cps
Barium	135-1	597929	609950	605501	604460	1.01	cps
Barium	137-1	1038730	1036813	1053779	1043108	0.89	cps
Beryllium	9-1	216590	217367	217404	217120	0.21	cps
Bismuth	209-1	5004808	5073234	4990931	5022991	0.88	cps
Bismuth	209-2	2946971	2990750	2938534	2958752	0.95	cps
Boron	10-1	23773	25102	26769	25215	5.95	cps
Boron	11-1	103216	109748	115136	109367	5.46	cps
Bromine	81-1	31319	30568	29950	30612	2.24	cps
Cadmium	111-1	136422	139291	140036	138583	1.38	cps
Cadmium	106-1	22611	23070	23921	23201	2.87	cps
Cadmium	108-1	11505	11472	11851	11609	1.81	cps
Calcium	43-1	226761	228019	229489	228090	0.60	cps
Calcium	44-1	3604715	3612387	3654158	3623753	0.73	cps
Carbon	12-1	5413680	5422871	5593992	5476848	1.85	cps
Carbon	12-2	63713	64801	62132	63549	2.11	cps
Chlorine	35-1	259927	262438	259453	260606	0.62	cps
Chlorine	35-2	1900	1892	1642	1811	8.11	cps
Chromium	52-2	171734	168581	165591	168635	1.82	cps
Cobalt	59-2	295864	286944	283972	288927	2.14	cps
Copper	63-2	2453344	2456471	2370549	2426788	2.01	cps
Dysprosium	156-1	25	75	17	39	81.12	cps
Dysprosium	156-2	7	13	20	13	49.99	cps
Erbium	164-1	17	75	58	50	60.09	cps
Erbium	164-2	27	37	20	28	30.20	cps
Gadolinium	160-1	133	142	83	119	26.41	cps
Gadolinium	160-2	100	143	150	131	20.71	cps
Holmium	165-1	8192748	8220820	8197324	8203631	0.18	cps
Holmium	165-2	4130824	4046298	4109619	4095580	1.07	cps
Indium	115-1	7179436	7249673	7462855	7297321	2.02	cps
Indium	115-2	1269702	1248446	1275418	1264522	1.12	cps
Iron	54-2	417486	402729	399949	406721	2.32	cps
Iron	56-2	7763584	7590003	7418418	7590668	2.27	cps
Iron	57-2	181430	177248	179226	179301	1.17	cps

LB Number :	LB125034	Operator :	Jaswal
Lab Sample ID :	S4	Instrumnet Name :	P8
Client Sample ID :	S4	Dilution Factor :	1
Date & Time Acquired :	2023-04-18 12:21:54	DataFile Name :	008CAL.S.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Krypton	83-1	346	329	314	330	4.93	cps
Lead	206-1	1880464	1904207	1891260	1891977	0.63	cps
Lead	207-1	1548420	1645697	1569049	1587722	3.23	cps
Lead	208-1	7419668	7624112	7447548	7497109	1.48	cps
Lithium	6-1	3870551	3779331	3930627	3860170	1.97	cps
Magnesium	24-2	1617879	1577664	1554855	1583466	2.02	cps
Manganese	55-2	954902	939395	919603	937967	1.89	cps
Molybdenum	94-1	2138203	2213999	2161190	2171131	1.79	cps
Molybdenum	95-1	3136896	3195297	3112247	3148146	1.35	cps
Molybdenum	96-1	3426482	3478064	3421622	3442056	0.91	cps
Molybdenum	97-1	1903091	1959695	1993010	1951932	2.33	cps
Molybdenum	98-1	5035216	5096391	5111109	5080905	0.79	cps
Neodymium	150-1	140	80	100	107	28.64	cps
Neodymium	150-2	7	0	0	2	173.21	cps
Nickel	60-2	80443	78981	79022	79482	1.05	cps
Phosphorus	31-2	6985	7052	6660	6899	3.04	cps
Potassium	39-2	578699	562282	561480	567487	1.71	cps
Rhodium	103-1	7231365	7137982	7312255	7227201	1.21	cps
Rhodium	103-2	3507107	3508682	3534289	3516693	0.43	cps
Scandium	45-1	5897947	5846889	6042448	5929095	1.71	cps
Scandium	45-2	203189	203215	203326	203244	0.04	cps
Selenium	82-1	12908	12967	13023	12966	0.44	cps
Selenium	77-2	407	480	420	436	8.97	cps
Selenium	78-2	1511	1514	1554	1527	1.57	cps
Silicon	28-1	1572726	1700347	1763759	1678944	5.80	cps
Silver	107-1	736614	746076	755695	746129	1.28	cps
Silver	109-1	688484	698024	708360	698290	1.42	cps
Sodium	23-2	2887637	2774826	2718658	2793707	3.08	cps
Strontium	86-1	4738683	4886133	4778706	4801174	1.59	cps
Strontium	88-1	40984138	41202229	40513692	40900020	0.86	cps
Sulfur	34-1	579426	570636	566061	572041	1.19	cps
Terbium	159-1	8756821	8561824	8627065	8648570	1.15	cps
Terbium	159-2	4167169	4242718	4217900	4209262	0.91	cps
Thallium	203-1	439859	437178	444453	440497	0.84	cps
Thallium	205-1	1047756	1041446	1080409	1056537	1.98	cps
Tin	118-1	447786	448622	452666	449691	0.58	cps

LB Number :	LB125034	Operator :	Jaswal
Lab Sample ID :	S4	Instrumnet Name :	P8
Client Sample ID :	S4	Dilution Factor :	1
Date & Time Acquired :	2023-04-18 12:21:54	DataFile Name :	008CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Titanium	47-1	990002	983067	1005497	992856	1.16	cps
Uranium	238-1	1362395	1345619	1372978	1360331	1.01	cps
Vanadium	51-2	135936	132572	128586	132364	2.78	cps
Ytterbium	172-1	92	42	92	75	38.49	cps
Ytterbium	172-2	33	44	61	46	30.20	cps
Ytterbium	176-1	4159	3576	3776	3837	7.73	cps
Ytterbium	176-2	9114	9492	9487	9365	2.31	cps
Yttrium	89-1	13945556	13608179	13959487	13837741	1.44	cps
Yttrium	89-2	1676790	1678491	1662229	1672503	0.53	cps
Zinc	66-2	303827	295298	294054	297727	1.79	cps
Zirconium	90-1	1026825	1024737	1043709	1031757	1.01	cps
Zirconium	91-1	227266	227353	231023	228547	0.94	cps

LB Number :	LB125034	Operator :	Jaswal
Lab Sample ID :	S5	Instrumnet Name :	P8
Client Sample ID :	S5	Dilution Factor :	1
Date & Time Acquired :	2023-04-18 12:24:52	DataFile Name :	009CAL.S.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	231199	224116	216489	223935	3.29	cps
Antimony	121-1	980371	1042936	1037319	1020209	3.39	cps
Arsenic	75-2	35245	33843	32870	33986	3.51	cps
Barium	135-1	1186928	1281760	1248199	1238962	3.88	cps
Barium	137-1	2059901	2198779	2167224	2141968	3.40	cps
Beryllium	9-1	424871	444598	434076	434515	2.27	cps
Bismuth	209-1	4967360	4505560	5046458	4839793	6.04	cps
Bismuth	209-2	2960177	2958305	3044976	2987819	1.66	cps
Boron	10-1	47623	53398	53994	51672	6.81	cps
Boron	11-1	209445	232072	240967	227495	7.14	cps
Bromine	81-1	29758	29407	30392	29852	1.67	cps
Cadmium	111-1	265580	278440	283004	275675	3.28	cps
Cadmium	106-1	37334	40336	40502	39391	4.53	cps
Cadmium	108-1	22631	23625	23875	23377	2.81	cps
Calcium	43-1	444339	464769	456313	455140	2.26	cps
Calcium	44-1	6954800	7221714	7043630	7073381	1.92	cps
Carbon	12-1	5167528	5235205	5245788	5216174	0.81	cps
Carbon	12-2	61872	61270	59881	61007	1.67	cps
Chlorine	35-1	246488	244064	248438	246330	0.89	cps
Chlorine	35-2	1959	1800	1825	1861	4.57	cps
Chromium	52-2	343508	331135	329226	334623	2.32	cps
Cobalt	59-2	599051	583137	568565	583585	2.61	cps
Copper	63-2	4992280	4832998	4563677	4796318	4.52	cps
Dysprosium	156-1	58	108	108	92	31.50	cps
Dysprosium	156-2	30	23	20	24	20.83	cps
Erbium	164-1	100	75	50	75	33.33	cps
Erbium	164-2	27	20	20	22	17.33	cps
Gadolinium	160-1	150	167	217	178	19.51	cps
Gadolinium	160-2	180	150	140	157	13.29	cps
Holmium	165-1	8208502	7717744	8174732	8033660	3.41	cps
Holmium	165-2	4256671	4112611	4077220	4148834	2.29	cps
Indium	115-1	7369517	6567007	7427625	7121383	6.75	cps
Indium	115-2	1266435	1277643	1250103	1264727	1.10	cps
Iron	54-2	833390	802467	785426	807094	3.01	cps
Iron	56-2	15418185	15011591	14725729	15051835	2.31	cps
Iron	57-2	375654	351342	354827	360608	3.65	cps

LB Number :	LB125034	Operator :	Jaswal
Lab Sample ID :	S5	Instrumnet Name :	P8
Client Sample ID :	S5	Dilution Factor :	1
Date & Time Acquired :	2023-04-18 12:24:52	DataFile Name :	009CAL.S.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Krypton	83-1	367	332	365	355	5.50	cps
Lead	206-1	3783308	4031781	3848805	3887965	3.31	cps
Lead	207-1	3246677	3417459	3398341	3354159	2.79	cps
Lead	208-1	14905596	15797927	15579418	15427647	3.01	cps
Lithium	6-1	3882435	3474069	3862235	3739580	6.15	cps
Magnesium	24-2	3173114	3096124	3101697	3123645	1.37	cps
Manganese	55-2	2044377	1967980	1944685	1985680	2.63	cps
Molybdenum	94-1	4159939	4416051	4409662	4328551	3.37	cps
Molybdenum	95-1	5976196	6413712	6392768	6260892	3.94	cps
Molybdenum	96-1	6640595	7008568	6820515	6823226	2.70	cps
Molybdenum	97-1	3832800	4000140	3883170	3905370	2.20	cps
Molybdenum	98-1	9930327	10235618	10224524	10130156	1.71	cps
Neodymium	150-1	173	200	180	184	7.52	cps
Neodymium	150-2	7	10	13	10	33.30	cps
Nickel	60-2	165457	160718	155925	160700	2.97	cps
Phosphorus	31-2	13982	13682	13465	13710	1.89	cps
Potassium	39-2	1147645	1105223	1084519	1112462	2.89	cps
Rhodium	103-1	7250433	6669251	7395916	7105200	5.41	cps
Rhodium	103-2	3385533	3404436	3327808	3372592	1.18	cps
Scandium	45-1	6005312	5482281	5729643	5739079	4.56	cps
Scandium	45-2	204462	206109	200032	203534	1.54	cps
Selenium	82-1	25144	26179	25681	25668	2.02	cps
Selenium	77-2	967	807	730	834	14.47	cps
Selenium	78-2	3064	3051	2905	3006	2.94	cps
Silicon	28-1	2399617	2632541	2766254	2599471	7.14	cps
Silver	107-1	1439946	1534089	1496462	1490165	3.18	cps
Silver	109-1	1357130	1428236	1408990	1398119	2.63	cps
Sodium	23-2	5594372	5424240	5455777	5491463	1.65	cps
Strontium	86-1	9523604	9782488	9682487	9662859	1.35	cps
Strontium	88-1	80038160	82014112	83908602	81986958	2.36	cps
Sulfur	34-1	648975	650780	645526	648427	0.41	cps
Terbium	159-1	8758852	7975022	8707682	8480518	5.17	cps
Terbium	159-2	4273485	4307792	4245364	4275547	0.73	cps
Thallium	203-1	883423	908458	912959	901613	1.76	cps
Thallium	205-1	2162525	2240828	2190021	2197791	1.81	cps
Tin	118-1	881675	920528	910718	904307	2.23	cps

LB Number :	LB125034	Operator :	Jaswal
Lab Sample ID :	S5	Instrumnet Name :	P8
Client Sample ID :	S5	Dilution Factor :	1
Date & Time Acquired :	2023-04-18 12:24:52	DataFile Name :	009CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Titanium	47-1	1984480	2046051	1982281	2004271	1.81	cps
Uranium	238-1	2846002	2913815	2875410	2878409	1.18	cps
Vanadium	51-2	273632	270158	261041	268277	2.42	cps
Ytterbium	172-1	42	67	92	67	37.50	cps
Ytterbium	172-2	33	22	28	28	20.00	cps
Ytterbium	176-1	5876	5843	6002	5907	1.41	cps
Ytterbium	176-2	9887	10310	10249	10148	2.25	cps
Yttrium	89-1	13660332	12328141	13872433	13286969	6.30	cps
Yttrium	89-2	1658694	1694719	1638201	1663871	1.72	cps
Zinc	66-2	601904	590545	571019	587823	2.66	cps
Zirconium	90-1	2014592	2163718	2180189	2119500	4.30	cps
Zirconium	91-1	444599	465633	459518	456583	2.37	cps

LB Number :	LB125034	Operator :	Jaswal
Lab Sample ID :	S6	Instrumnet Name :	P8
Client Sample ID :	S6	Dilution Factor :	1
Date & Time Acquired :	2023-04-18 12:27:53	DataFile Name :	010CAL.S.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	447761	440380	423120	437087	2.89	cps
Antimony	121-1	2064403	2121602	2070181	2085396	1.51	cps
Arsenic	75-2	68783	68082	65668	67511	2.42	cps
Barium	135-1	2517540	2563280	2548714	2543178	0.92	cps
Barium	137-1	4218670	4298756	4289012	4268812	1.02	cps
Beryllium	9-1	838656	858173	849836	848888	1.15	cps
Bismuth	209-1	5013447	4901632	4913066	4942715	1.24	cps
Bismuth	209-2	2984462	2930177	2865740	2926793	2.03	cps
Boron	10-1	99180	104379	106806	103455	3.77	cps
Boron	11-1	427301	459811	473054	453388	5.19	cps
Bromine	81-1	30142	30426	31436	30668	2.22	cps
Cadmium	111-1	543219	549673	551647	548179	0.80	cps
Cadmium	106-1	70338	69434	69543	69772	0.71	cps
Cadmium	108-1	46771	46750	46336	46619	0.53	cps
Calcium	43-1	912354	908683	905315	908784	0.39	cps
Calcium	44-1	14388245	13847169	13844094	14026503	2.23	cps
Carbon	12-1	6031242	6204950	6305611	6180601	2.25	cps
Carbon	12-2	72680	73576	72186	72814	0.97	cps
Chlorine	35-1	261768	264031	263285	263028	0.44	cps
Chlorine	35-2	1667	2125	1833	1875	12.37	cps
Chromium	52-2	679427	659205	644150	660928	2.68	cps
Cobalt	59-2	1193899	1154908	1118727	1155845	3.25	cps
Copper	63-2	9382826	9183372	9136441	9234213	1.42	cps
Dysprosium	156-1	125	183	117	142	25.64	cps
Dysprosium	156-2	43	100	57	67	44.44	cps
Erbium	164-1	125	67	33	75	61.87	cps
Erbium	164-2	33	33	50	39	24.75	cps
Gadolinium	160-1	233	208	258	233	10.71	cps
Gadolinium	160-2	183	163	197	181	9.26	cps
Holmium	165-1	8567274	8590915	8342044	8500078	1.62	cps
Holmium	165-2	4318976	4183616	4159345	4220646	2.04	cps
Indium	115-1	7305832	7295959	7205762	7269184	0.76	cps
Indium	115-2	1250858	1267201	1246702	1254920	0.86	cps
Iron	54-2	1710857	1625265	1628495	1654873	2.93	cps
Iron	56-2	30423082	29161491	29795787	29793453	2.12	cps
Iron	57-2	726923	700016	691625	706188	2.61	cps

LB Number :	LB125034	Operator :	Jaswal
Lab Sample ID :	S6	Instrumnet Name :	P8
Client Sample ID :	S6	Dilution Factor :	1
Date & Time Acquired :	2023-04-18 12:27:53	DataFile Name :	010CAL.S.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Krypton	83-1	354	355	322	344	5.36	cps
Lead	206-1	7718891	7547818	7579573	7615427	1.19	cps
Lead	207-1	6804011	6545245	6626883	6658713	1.99	cps
Lead	208-1	31305285	30011389	30525820	30614165	2.13	cps
Lithium	6-1	3850070	3730784	3783463	3788106	1.58	cps
Magnesium	24-2	6139168	6128638	5887841	6051882	2.35	cps
Manganese	55-2	3916196	3793835	3822383	3844138	1.67	cps
Molybdenum	94-1	8547649	8718215	8611737	8625867	1.00	cps
Molybdenum	95-1	12585346	12471300	12517070	12524572	0.46	cps
Molybdenum	96-1	13685177	13589401	13959884	13744821	1.40	cps
Molybdenum	97-1	7750718	7579985	7654636	7661780	1.12	cps
Molybdenum	98-1	19956430	19679597	19630426	19755484	0.89	cps
Neodymium	150-1	307	260	260	276	9.78	cps
Neodymium	150-2	13	13	10	12	15.73	cps
Nickel	60-2	323435	313817	304025	313759	3.09	cps
Phosphorus	31-2	27552	27176	25239	26656	4.66	cps
Potassium	39-2	2272914	2214633	2201408	2229652	1.71	cps
Rhodium	103-1	7305956	7180754	7110871	7199194	1.37	cps
Rhodium	103-2	3437778	3464208	3412207	3438064	0.76	cps
Scandium	45-1	6086405	5881779	5779185	5915790	2.64	cps
Scandium	45-2	201024	203723	200561	201769	0.85	cps
Selenium	82-1	51023	51391	50682	51032	0.69	cps
Selenium	77-2	1813	1827	1747	1796	2.39	cps
Selenium	78-2	5813	5876	5777	5822	0.86	cps
Silicon	28-1	3855188	4392125	4713964	4320426	10.04	cps
Silver	107-1	2934131	3024244	2981869	2980081	1.51	cps
Silver	109-1	2864435	2850967	2807139	2840847	1.05	cps
Sodium	23-2	10945778	10864670	10456576	10755675	2.44	cps
Strontium	86-1	19164366	19026664	19337577	19176203	0.81	cps
Strontium	88-1	160854116	159977954	164539175	161790415	1.50	cps
Sulfur	34-1	796191	806372	796186	799583	0.74	cps
Terbium	159-1	8960757	8631907	8933159	8841941	2.06	cps
Terbium	159-2	4124814	4293923	4105963	4174900	2.48	cps
Thallium	203-1	1856572	1861781	1886459	1868271	0.85	cps
Thallium	205-1	4282984	4359084	4377286	4339785	1.15	cps
Tin	118-1	1840674	1865591	1825461	1843908	1.10	cps

LB Number :	LB125034	Operator :	Jaswal
Lab Sample ID :	S6	Instrumnet Name :	P8
Client Sample ID :	S6	Dilution Factor :	1
Date & Time Acquired :	2023-04-18 12:27:53	DataFile Name :	010CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Titanium	47-1	4038170	3858684	3986064	3960973	2.33	cps
Uranium	238-1	5704033	5552636	5620524	5625731	1.35	cps
Vanadium	51-2	535624	523397	518967	525996	1.64	cps
Ytterbium	172-1	125	125	42	97	49.48	cps
Ytterbium	172-2	33	17	56	35	55.45	cps
Ytterbium	176-1	9212	9495	9620	9443	2.22	cps
Ytterbium	176-2	12278	12184	11939	12134	1.44	cps
Yttrium	89-1	14199104	13864900	13359747	13807917	3.06	cps
Yttrium	89-2	1673328	1687419	1682506	1681084	0.43	cps
Zinc	66-2	1171616	1145258	1127444	1148106	1.94	cps
Zirconium	90-1	4187496	4204299	4171025	4187607	0.40	cps
Zirconium	91-1	905114	920081	924463	916553	1.11	cps

LB Number : LB125034 Operator : Jaswal
 Lab Sample ID : S7 Instrumnet Name : P8
 Client Sample ID : S7 Dilution Factor : 1
 Date & Time Acquired : 2023-04-18 12:30:52 DataFile Name : 011CAL.S.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	899450	885995	859371	881605	2.31	cps
Antimony	121-1	4149023	4300180	4133447	4194217	2.20	cps
Arsenic	75-2	139067	136698	135357	137041	1.37	cps
Barium	135-1	4991320	5369231	5048082	5136211	3.97	cps
Barium	137-1	8399729	8761810	8641367	8600969	2.14	cps
Beryllium	9-1	1657778	1698065	1703658	1686501	1.48	cps
Bismuth	209-1	4995192	5021460	5016183	5010945	0.28	cps
Bismuth	209-2	2923672	2907784	2920518	2917325	0.29	cps
Boron	10-1	190802	208415	216032	205083	6.31	cps
Boron	11-1	852757	846614	890020	863130	2.72	cps
Bromine	81-1	30768	29699	30885	30451	2.15	cps
Cadmium	111-1	1093739	1095159	1077826	1088908	0.88	cps
Cadmium	106-1	136498	139988	135765	137417	1.64	cps
Cadmium	108-1	90943	93871	91086	91967	1.80	cps
Calcium	43-1	1915478	1867236	1838912	1873875	2.07	cps
Calcium	44-1	27457418	28331409	27353823	27714217	1.94	cps
Carbon	12-1	6232094	6537267	6623377	6464246	3.18	cps
Carbon	12-2	78652	79892	78828	79124	0.85	cps
Chlorine	35-1	240641	241658	239616	240639	0.42	cps
Chlorine	35-2	1708	1683	1575	1656	4.28	cps
Chromium	52-2	1455706	1408150	1296633	1386830	5.89	cps
Cobalt	59-2	2459750	2408856	2288305	2385637	3.69	cps
Copper	63-2	18995044	18887507	18162946	18681832	2.42	cps
Dysprosium	156-1	325	275	308	303	8.41	cps
Dysprosium	156-2	153	127	83	121	29.17	cps
Erbium	164-1	92	33	92	72	46.64	cps
Erbium	164-2	30	33	47	37	24.06	cps
Gadolinium	160-1	492	300	333	375	27.31	cps
Gadolinium	160-2	220	207	190	206	7.31	cps
Holmium	165-1	8374422	8572103	8756056	8567527	2.23	cps
Holmium	165-2	4281516	4281867	4146950	4236777	1.84	cps
Indium	115-1	7365538	7494279	7277350	7379056	1.48	cps
Indium	115-2	1246806	1235926	1248315	1243683	0.54	cps
Iron	54-2	3404132	3414105	3274374	3364204	2.32	cps
Iron	56-2	61294342	61135117	57281544	59903668	3.79	cps
Iron	57-2	1558725	1533165	1451905	1514599	3.68	cps

LB Number :	LB125034	Operator :	Jaswal
Lab Sample ID :	S7	Instrumnet Name :	P8
Client Sample ID :	S7	Dilution Factor :	1
Date & Time Acquired :	2023-04-18 12:30:52	DataFile Name :	011CAL.S.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Krypton	83-1	340	359	387	362	6.61	cps
Lead	206-1	15244970	15782791	15327178	15451647	1.87	cps
Lead	207-1	13365701	13569531	13540943	13492059	0.82	cps
Lead	208-1	60970300	62211739	61774527	61652189	1.02	cps
Lithium	6-1	3869132	3663572	3823934	3785546	2.85	cps
Magnesium	24-2	12420807	12414004	11894906	12243239	2.46	cps
Manganese	55-2	7761899	7745026	7466588	7657838	2.17	cps
Molybdenum	94-1	17349594	16900980	17216097	17155557	1.34	cps
Molybdenum	95-1	25663580	25607773	25276169	25515841	0.82	cps
Molybdenum	96-1	27471588	27986416	27629297	27695767	0.95	cps
Molybdenum	97-1	15802681	15629146	15417455	15616427	1.24	cps
Molybdenum	98-1	40693518	40648733	40148008	40496753	0.75	cps
Neodymium	150-1	587	567	560	571	2.43	cps
Neodymium	150-2	27	40	50	39	30.10	cps
Nickel	60-2	638703	626467	615055	626741	1.89	cps
Phosphorus	31-2	55423	51609	53157	53397	3.59	cps
Potassium	39-2	4515205	4498261	4273639	4429035	3.04	cps
Rhodium	103-1	7217587	7218118	7095655	7177120	0.98	cps
Rhodium	103-2	3361711	3438163	3380824	3393566	1.17	cps
Scandium	45-1	5948486	6028007	5766905	5914466	2.26	cps
Scandium	45-2	199777	205893	199686	201785	1.76	cps
Selenium	82-1	100847	101197	101267	101104	0.22	cps
Selenium	77-2	3404	3334	3364	3367	1.04	cps
Selenium	78-2	11697	11434	11581	11571	1.14	cps
Silicon	28-1	6645607	7577412	7819083	7347368	8.43	cps
Silver	107-1	5770246	5998085	6006095	5924809	2.26	cps
Silver	109-1	5500565	5620985	5724620	5615390	2.00	cps
Sodium	23-2	22555741	21834616	20838107	21742821	3.97	cps
Strontium	86-1	37410829	38620787	37674049	37901888	1.68	cps
Strontium	88-1	325554774	333335266	324180466	327690168	1.51	cps
Sulfur	34-1	1013243	1011196	997173	1007204	0.87	cps
Terbium	159-1	8731309	8894193	9087340	8904280	2.00	cps
Terbium	159-2	4266076	4278741	4255182	4266666	0.28	cps
Thallium	203-1	3731685	3829936	3825105	3795575	1.46	cps
Thallium	205-1	8714835	9159959	8898035	8924276	2.51	cps
Tin	118-1	3688500	3879467	3721761	3763242	2.71	cps

LB Number :	LB125034	Operator :	Jaswal
Lab Sample ID :	S7	Instrumnet Name :	P8
Client Sample ID :	S7	Dilution Factor :	1
Date & Time Acquired :	2023-04-18 12:30:52	DataFile Name :	011CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Titanium	47-1	7665963	8048940	7788764	7834555	2.50	cps
Uranium	238-1	11503266	11586119	11767559	11618982	1.16	cps
Vanadium	51-2	1096684	1074497	1035098	1068760	2.92	cps
Ytterbium	172-1	192	117	75	128	46.27	cps
Ytterbium	172-2	67	67	56	63	10.19	cps
Ytterbium	176-1	17095	17429	18296	17607	3.52	cps
Ytterbium	176-2	16294	16377	16116	16262	0.82	cps
Yttrium	89-1	13910919	14059386	14257441	14075916	1.24	cps
Yttrium	89-2	1740427	1720955	1725323	1728901	0.59	cps
Zinc	66-2	2423830	2426470	2375396	2408565	1.19	cps
Zirconium	90-1	8267423	8478949	8477904	8408092	1.45	cps
Zirconium	91-1	1878944	1915691	1892450	1895695	0.98	cps

LB Number :	LB125034	Operator :	Jaswal
Lab Sample ID :	S8	Instrumnet Name :	P8
Client Sample ID :	S8	Dilution Factor :	1
Date & Time Acquired :	2023-04-18 12:33:53	DataFile Name :	012CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	4496639	4396915	4290118	4394557	2.35	cps
Antimony	121-1	1783	1959	2534	2092	18.76	cps
Arsenic	75-2	31	32	35	33	6.37	cps
Barium	135-1	3050	2784	3109	2981	5.81	cps
Barium	137-1	5076	5326	4934	5112	3.88	cps
Beryllium	9-1	675	661	617	651	4.61	cps
Bismuth	209-1	4536324	4567145	4571074	4558181	0.42	cps
Bismuth	209-2	2785101	2734955	2673002	2731019	2.06	cps
Boron	10-1	15415	14062	13468	14315	6.97	cps
Boron	11-1	66854	61606	57871	62110	7.27	cps
Bromine	81-1	28763	29373	30952	29696	3.80	cps
Cadmium	111-1	943	986	924	951	3.35	cps
Cadmium	106-1	6018	6252	6318	6196	2.54	cps
Cadmium	108-1	67	92	71	76	17.54	cps
Calcium	43-1	7564965	7758626	7726279	7683290	1.35	cps
Calcium	44-1	121160873	125745225	125950664	124285587	2.18	cps
Carbon	12-1	4941997	5030132	5137667	5036599	1.95	cps
Carbon	12-2	64936	64082	63630	64216	1.03	cps
Chlorine	35-1	233655	232318	232675	232883	0.30	cps
Chlorine	35-2	1792	1683	1792	1756	3.56	cps
Chromium	52-2	10921	10814	10397	10711	2.58	cps
Cobalt	59-2	2140	2020	2124	2095	3.10	cps
Copper	63-2	3724	3560	3661	3648	2.26	cps
Dysprosium	156-1	842	875	883	867	2.55	cps
Dysprosium	156-2	417	430	420	422	1.64	cps
Erbium	164-1	117	75	92	94	22.21	cps
Erbium	164-2	60	70	30	53	39.03	cps
Gadolinium	160-1	975	1200	850	1008	17.59	cps
Gadolinium	160-2	633	603	577	604	4.69	cps
Holmium	165-1	8303084	8113668	8024513	8147088	1.75	cps
Holmium	165-2	4249375	4258242	4270784	4259467	0.25	cps
Indium	115-1	6877919	7029115	6890314	6932449	1.21	cps
Indium	115-2	1221992	1244922	1233209	1233374	0.93	cps
Iron	54-2	15372147	14750411	14791871	14971476	2.32	cps
Iron	56-2	282338284	273173006	272877123	276129471	1.95	cps
Iron	57-2	7040157	6971642	6700882	6904227	2.60	cps

LB Number :	LB125034	Operator :	Jaswal
Lab Sample ID :	S8	Instrumnet Name :	P8
Client Sample ID :	S8	Dilution Factor :	1
Date & Time Acquired :	2023-04-18 12:33:53	DataFile Name :	012CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Krypton	83-1	347	344	359	350	2.23	cps
Lead	206-1	3223	2917	2878	3006	6.28	cps
Lead	207-1	2789	2434	2339	2521	9.42	cps
Lead	208-1	12569	11197	10874	11547	7.80	cps
Lithium	6-1	3674819	3632376	3602432	3636542	1.00	cps
Magnesium	24-2	59234374	58188216	57452976	58291855	1.54	cps
Manganese	55-2	3611	3624	3570	3602	0.77	cps
Molybdenum	94-1	3859	3300	3325	3495	9.03	cps
Molybdenum	95-1	4618	4551	4184	4451	5.24	cps
Molybdenum	96-1	9654	9420	8786	9287	4.83	cps
Molybdenum	97-1	3517	3159	2925	3200	9.31	cps
Molybdenum	98-1	8478	7344	6552	7458	12.98	cps
Neodymium	150-1	33	33	40	36	10.83	cps
Neodymium	150-2	20	30	0	17	91.65	cps
Nickel	60-2	1783	1977	1853	1871	5.23	cps
Phosphorus	31-2	308	300	300	303	1.59	cps
Potassium	39-2	21458348	21082823	21403799	21314990	0.95	cps
Rhodium	103-1	6552470	6631836	6472385	6552230	1.22	cps
Rhodium	103-2	3181100	3236426	3214373	3210633	0.87	cps
Scandium	45-1	5784953	5764308	5750695	5766652	0.30	cps
Scandium	45-2	203147	201378	201518	202014	0.49	cps
Selenium	82-1	100	110	71	94	21.46	cps
Selenium	77-2	0	3	3	2	86.60	cps
Selenium	78-2	63	73	61	66	9.79	cps
Silicon	28-1	1798550	1920159	1925682	1881464	3.82	cps
Silver	107-1	2109	2234	1984	2109	5.93	cps
Silver	109-1	1892	2100	2109	2034	6.04	cps
Sodium	23-2	107136536	105747673	105026382	105970197	1.01	cps
Strontium	86-1	10729	9820	9870	10140	5.04	cps
Strontium	88-1	85375	80692	77742	81270	4.74	cps
Sulfur	34-1	431437	435056	444116	436869	1.49	cps
Terbium	159-1	8500609	8815407	8798979	8704998	2.04	cps
Terbium	159-2	4146201	4259835	4305876	4237304	1.94	cps
Thallium	203-1	867	733	950	850	12.86	cps
Thallium	205-1	2192	1842	2092	2042	8.83	cps
Tin	118-1	1792	1834	1809	1811	1.16	cps

LB Number :	LB125034	Operator :	Jaswal
Lab Sample ID :	S8	Instrumnet Name :	P8
Client Sample ID :	S8	Dilution Factor :	1
Date & Time Acquired :	2023-04-18 12:33:53	DataFile Name :	012CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Titanium	47-1	1242	1150	1150	1181	4.48	cps
Uranium	238-1	825	725	742	764	7.01	cps
Vanadium	51-2	353	247	327	309	17.97	cps
Ytterbium	172-1	383	383	417	394	4.88	cps
Ytterbium	172-2	211	222	139	191	23.72	cps
Ytterbium	176-1	2042	2100	1967	2036	3.28	cps
Ytterbium	176-2	8258	9315	8203	8592	7.29	cps
Yttrium	89-1	13548673	13458067	13334599	13447113	0.80	cps
Yttrium	89-2	1702134	1695437	1669048	1688873	1.04	cps
Zinc	66-2	10507	9763	9820	10030	4.13	cps
Zirconium	90-1	1884	2017	1942	1947	3.43	cps
Zirconium	91-1	450	375	450	425	10.19	cps

LB Number :	LB125034	Operator :	Jaswal
Lab Sample ID :	ICV52	Instrumnet Name :	P8
Client Sample ID :	ICV52	Dilution Factor :	1
Date & Time Acquired :	2023-04-18 12:50:03	DataFile Name :	014ICV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	24366	23810	23212	23796	2.43	cps
Antimony	121-1	822188	830033	820957	824393	0.60	cps
Arsenic	75-2	29331	28682	28703	28905	1.28	cps
Barium	135-1	101129	98609	100138	99959	1.27	cps
Barium	137-1	172106	174984	171049	172713	1.18	cps
Beryllium	9-1	171624	173707	171193	172174	0.78	cps
Bismuth	209-1	5014991	5075970	5078335	5056432	0.71	cps
Bismuth	209-2	3046198	3083965	3014463	3048208	1.14	cps
Boron	10-1	2068	1986	2112	2055	3.11	cps
Boron	11-1	8977	9121	8915	9004	1.17	cps
Bromine	81-1	31853	30618	32330	31600	2.80	cps
Cadmium	111-1	115371	117928	114801	116034	1.44	cps
Cadmium	106-1	17445	17545	17019	17336	1.61	cps
Cadmium	108-1	8123	7965	8023	8037	1.00	cps
Calcium	43-1	33194	33759	34053	33669	1.30	cps
Calcium	44-1	560987	561462	564956	562469	0.39	cps
Carbon	12-1	6718320	7017198	6820470	6851996	2.22	cps
Carbon	12-2	80269	79699	78602	79523	1.07	cps
Chlorine	35-1	244938	240609	242928	242825	0.89	cps
Chlorine	35-2	1925	1692	1800	1806	6.47	cps
Chromium	52-2	142131	140577	141468	141392	0.55	cps
Cobalt	59-2	248055	244664	242901	245206	1.07	cps
Copper	63-2	189032	189361	185122	187838	1.26	cps
Dysprosium	156-1	8	0	8	6	86.60	cps
Dysprosium	156-2	0	3	0	1	173.21	cps
Erbium	164-1	83	100	92	92	9.09	cps
Erbium	164-2	13	20	40	24	56.78	cps
Gadolinium	160-1	67	133	100	100	33.33	cps
Gadolinium	160-2	97	90	137	108	23.42	cps
Holmium	165-1	8305399	8246414	8287058	8279624	0.36	cps
Holmium	165-2	4217585	4221132	4188031	4208916	0.43	cps
Indium	115-1	7373639	7500262	7486655	7453519	0.93	cps
Indium	115-2	1306275	1307883	1322100	1312086	0.66	cps
Iron	54-2	131740	129448	131881	131023	1.04	cps
Iron	56-2	2459888	2388258	2466793	2438313	1.78	cps
Iron	57-2	59066	56970	57187	57741	2.00	cps

LB Number :	LB125034	Operator :	Jaswal
Lab Sample ID :	ICV52	Instrumnet Name :	P8
Client Sample ID :	ICV52	Dilution Factor :	1
Date & Time Acquired :	2023-04-18 12:50:03	DataFile Name :	014ICV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Krypton	83-1	357	329	331	339	4.70	cps
Lead	206-1	636504	640238	627766	634836	1.01	cps
Lead	207-1	536459	545742	533252	538484	1.20	cps
Lead	208-1	2529282	2574641	2505670	2536531	1.38	cps
Lithium	6-1	3591602	3698086	3676290	3655326	1.54	cps
Magnesium	24-2	141609	139188	138278	139692	1.23	cps
Manganese	55-2	76849	74460	76682	75997	1.75	cps
Molybdenum	94-1	258	550	967	592	60.17	cps
Molybdenum	95-1	367	292	833	497	59.03	cps
Molybdenum	96-1	592	450	1275	772	57.14	cps
Molybdenum	97-1	192	175	633	333	77.99	cps
Molybdenum	98-1	583	492	1350	808	58.32	cps
Neodymium	150-1	40	27	20	29	35.25	cps
Neodymium	150-2	3	3	0	2	86.60	cps
Nickel	60-2	69408	70205	70313	69975	0.71	cps
Phosphorus	31-2	350	342	333	342	2.44	cps
Potassium	39-2	205229	203226	201446	203300	0.93	cps
Rhodium	103-1	7404491	7521443	7554083	7493339	1.05	cps
Rhodium	103-2	3512183	3516559	3552124	3526955	0.62	cps
Scandium	45-1	5921455	5880979	6173013	5991816	2.64	cps
Scandium	45-2	208135	204743	211396	208091	1.60	cps
Selenium	82-1	21760	21924	22100	21928	0.78	cps
Selenium	77-2	777	710	727	738	4.70	cps
Selenium	78-2	2571	2424	2485	2493	2.94	cps
Silicon	28-1	919811	910030	927712	919184	0.96	cps
Silver	107-1	302178	297923	293272	297791	1.50	cps
Silver	109-1	287395	285749	279363	284169	1.49	cps
Sodium	23-2	460308	471908	456044	462753	1.77	cps
Strontium	86-1	983	1233	2384	1534	48.71	cps
Strontium	88-1	5043	4601	16599	8748	77.77	cps
Sulfur	34-1	474456	477793	472936	475061	0.52	cps
Terbium	159-1	8744328	8758272	8862298	8788299	0.73	cps
Terbium	159-2	4164468	4227754	4282664	4224962	1.40	cps
Thallium	203-1	792234	810156	799389	800593	1.13	cps
Thallium	205-1	1949174	1934422	1894818	1926138	1.46	cps
Tin	118-1	1617	1583	1709	1636	3.96	cps

LB Number :	LB125034	Operator :	Jaswal
Lab Sample ID :	ICV52	Instrumnet Name :	P8
Client Sample ID :	ICV52	Dilution Factor :	1
Date & Time Acquired :	2023-04-18 12:50:03	DataFile Name :	014ICV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Titanium	47-1	167	250	475	297	53.66	cps
Uranium	238-1	4326	4493	4534	4451	2.48	cps
Vanadium	51-2	108675	107218	107943	107945	0.67	cps
Ytterbium	172-1	83	58	58	67	21.65	cps
Ytterbium	172-2	39	28	39	35	18.23	cps
Ytterbium	176-1	1633	1950	1775	1786	8.88	cps
Ytterbium	176-2	8937	8642	8775	8785	1.68	cps
Yttrium	89-1	13794556	13940918	14093843	13943106	1.07	cps
Yttrium	89-2	1675241	1696600	1779673	1717171	3.21	cps
Zinc	66-2	51634	51182	52065	51627	0.86	cps
Zirconium	90-1	692	783	883	786	12.19	cps
Zirconium	91-1	233	225	317	258	19.62	cps

LB Number :	LB125034	Operator :	Jaswal
Lab Sample ID :	LLICV	Instrumnet Name :	P8
Client Sample ID :	LLICV	Dilution Factor :	1
Date & Time Acquired :	2023-04-18 13:00:11	DataFile Name :	015LLIC.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	1034	1047	1005	1029	2.11	cps
Antimony	121-1	8595	8486	7861	8314	4.76	cps
Arsenic	75-2	159	158	166	161	2.71	cps
Barium	135-1	10246	9821	9737	9934	2.75	cps
Barium	137-1	16294	16452	16277	16341	0.59	cps
Beryllium	9-1	1885	2015	1876	1925	4.04	cps
Bismuth	209-1	4898798	4946936	4945236	4930323	0.55	cps
Bismuth	209-2	2945473	3126601	3028280	3033451	2.99	cps
Boron	10-1	5646	5986	6246	5959	5.05	cps
Boron	11-1	24624	26929	27566	26373	5.87	cps
Bromine	81-1	32372	32489	33382	32748	1.69	cps
Cadmium	111-1	1790	1712	1843	1781	3.69	cps
Cadmium	106-1	6177	5985	6193	6118	1.89	cps
Cadmium	108-1	129	100	92	107	18.41	cps
Calcium	43-1	8459	8504	8378	8447	0.76	cps
Calcium	44-1	153466	153418	153269	153385	0.07	cps
Carbon	12-1	4898999	4816729	4783826	4833185	1.23	cps
Carbon	12-2	54494	54058	55732	54761	1.59	cps
Chlorine	35-1	217839	217201	219910	218317	0.65	cps
Chlorine	35-2	1742	1500	1500	1581	8.83	cps
Chromium	52-2	3337	3237	3310	3295	1.57	cps
Cobalt	59-2	2690	2560	2544	2598	3.09	cps
Copper	63-2	5084	4921	4681	4895	4.15	cps
Dysprosium	156-1	25	17	33	25	33.32	cps
Dysprosium	156-2	7	0	3	3	100.05	cps
Erbium	164-1	42	33	25	33	25.01	cps
Erbium	164-2	30	20	37	29	29.04	cps
Gadolinium	160-1	117	100	108	108	7.69	cps
Gadolinium	160-2	163	140	130	144	11.84	cps
Holmium	165-1	8450173	8261337	8122549	8278020	1.99	cps
Holmium	165-2	4177447	4235835	4260126	4224469	1.01	cps
Indium	115-1	7390480	7345439	7223369	7319763	1.18	cps
Indium	115-2	1308086	1333762	1307220	1316356	1.15	cps
Iron	54-2	3839	4028	4106	3991	3.44	cps
Iron	56-2	63948	63832	62983	63588	0.83	cps
Iron	57-2	1545	1778	1678	1667	7.02	cps

LB Number :	LB125034	Operator :	Jaswal
Lab Sample ID :	LLICV	Instrumnet Name :	P8
Client Sample ID :	LLICV	Dilution Factor :	1
Date & Time Acquired :	2023-04-18 13:00:11	DataFile Name :	015LLIC.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Krypton	83-1	326	350	362	346	5.32	cps
Lead	206-1	3395	3145	3223	3254	3.93	cps
Lead	207-1	2950	2956	2800	2902	3.04	cps
Lead	208-1	13531	12947	12886	13121	2.71	cps
Lithium	6-1	3758777	3652659	3654589	3688675	1.65	cps
Magnesium	24-2	62083	62091	62041	62072	0.04	cps
Manganese	55-2	847	730	870	816	9.20	cps
Molybdenum	94-1	9562	10296	10171	10009	3.92	cps
Molybdenum	95-1	12264	11747	12181	12064	2.30	cps
Molybdenum	96-1	13690	13740	13457	13629	1.11	cps
Molybdenum	97-1	7744	7686	7402	7611	2.40	cps
Molybdenum	98-1	18980	19848	19514	19447	2.25	cps
Neodymium	150-1	13	13	7	11	34.61	cps
Neodymium	150-2	0	0	7	2	173.21	cps
Nickel	60-2	693	763	693	717	5.64	cps
Phosphorus	31-2	258	283	267	269	4.72	cps
Potassium	39-2	75012	74744	73554	74436	1.04	cps
Rhodium	103-1	7307479	7391774	7430884	7376712	0.85	cps
Rhodium	103-2	3569347	3615817	3557358	3580840	0.86	cps
Scandium	45-1	6090686	5884263	6055444	6010131	1.84	cps
Scandium	45-2	205981	210929	206975	207961	1.26	cps
Selenium	82-1	506	551	534	530	4.28	cps
Selenium	77-2	7	30	23	20	60.08	cps
Selenium	78-2	121	125	130	125	3.60	cps
Silicon	28-1	917424	922574	914435	918144	0.45	cps
Silver	107-1	6052	6260	6452	6254	3.20	cps
Silver	109-1	5701	5343	5418	5487	3.45	cps
Sodium	23-2	135290	133643	133752	134228	0.69	cps
Strontium	86-1	2150	2209	2075	2145	3.12	cps
Strontium	88-1	13949	12823	13665	13479	4.35	cps
Sulfur	34-1	483052	478484	484482	482006	0.65	cps
Terbium	159-1	8922824	8731671	8390545	8681680	3.11	cps
Terbium	159-2	4323687	4272554	4231021	4275754	1.09	cps
Thallium	203-1	3926	3751	3851	3842	2.29	cps
Thallium	205-1	9170	8795	9212	9059	2.53	cps
Tin	118-1	19239	18162	18330	18577	3.12	cps

LB Number :	LB125034	Operator :	Jaswal
Lab Sample ID :	LLICV	Instrumnet Name :	P8
Client Sample ID :	LLICV	Dilution Factor :	1
Date & Time Acquired :	2023-04-18 13:00:11	DataFile Name :	015LLIC.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Titanium	47-1	4217	4509	4092	4273	5.01	cps
Uranium	238-1	11063	10371	10246	10560	4.17	cps
Vanadium	51-2	5721	5745	5308	5591	4.40	cps
Ytterbium	172-1	33	83	17	44	78.07	cps
Ytterbium	172-2	39	39	33	37	8.67	cps
Ytterbium	176-1	1642	1692	1900	1745	7.86	cps
Ytterbium	176-2	8353	8887	8931	8723	3.69	cps
Yttrium	89-1	14163019	13666895	13940293	13923402	1.78	cps
Yttrium	89-2	1729407	1750033	1746622	1742021	0.63	cps
Zinc	66-2	600	733	633	656	10.58	cps
Zirconium	90-1	8561	8653	8761	8658	1.16	cps
Zirconium	91-1	1708	1934	1825	1822	6.18	cps

LB Number : LB125034 Operator : Jaswal
 Lab Sample ID : ICB52 Instrumnet Name : P8
 Client Sample ID : ICB52 Dilution Factor : 1
 Date & Time Acquired : 2023-04-18 13:03:15 DataFile Name : 016CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	100	84	87	90	9.41	cps
Antimony	121-1	108	117	125	117	7.14	cps
Arsenic	75-2	4	2	4	3	34.64	cps
Barium	135-1	50	8	8	22	108.27	cps
Barium	137-1	42	58	17	39	53.93	cps
Beryllium	9-1	134	117	131	127	6.86	cps
Bismuth	209-1	5023747	5127470	5120317	5090511	1.14	cps
Bismuth	209-2	3006164	3060311	3046553	3037676	0.93	cps
Boron	10-1	1674	1530	1566	1590	4.71	cps
Boron	11-1	7338	7148	6794	7094	3.89	cps
Bromine	81-1	30835	32322	32238	31798	2.63	cps
Cadmium	111-1	573	607	613	598	3.64	cps
Cadmium	106-1	5760	5993	6193	5982	3.63	cps
Cadmium	108-1	17	25	63	35	70.31	cps
Calcium	43-1	186	165	136	162	15.44	cps
Calcium	44-1	20146	19692	19582	19807	1.51	cps
Carbon	12-1	4957509	4886164	4853814	4899162	1.08	cps
Carbon	12-2	58166	54778	55924	56289	3.06	cps
Chlorine	35-1	214369	214301	209990	212887	1.18	cps
Chlorine	35-2	1467	1575	1475	1506	4.00	cps
Chromium	52-2	633	623	593	617	3.37	cps
Cobalt	59-2	107	63	110	93	27.90	cps
Copper	63-2	910	853	920	894	4.02	cps
Dysprosium	156-1	8	0	8	6	86.60	cps
Dysprosium	156-2	0	0	7	2	173.21	cps
Erbium	164-1	42	42	50	44	10.82	cps
Erbium	164-2	20	27	17	21	24.12	cps
Gadolinium	160-1	75	92	42	69	36.66	cps
Gadolinium	160-2	133	130	127	130	2.57	cps
Holmium	165-1	8186706	8275156	8446013	8302625	1.59	cps
Holmium	165-2	4332516	4175230	4241118	4249621	1.86	cps
Indium	115-1	7397420	7434498	7523019	7451646	0.87	cps
Indium	115-2	1313816	1318767	1304227	1312270	0.56	cps
Iron	54-2	600	622	900	707	23.63	cps
Iron	56-2	4001	4195	4395	4197	4.70	cps
Iron	57-2	172	217	206	198	11.67	cps

LB Number :	LB125034	Operator :	Jaswal
Lab Sample ID :	ICB52	Instrumnet Name :	P8
Client Sample ID :	ICB52	Dilution Factor :	1
Date & Time Acquired :	2023-04-18 13:03:15	DataFile Name :	016CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Krypton	83-1	367	344	382	365	5.36	cps
Lead	206-1	433	456	378	422	9.49	cps
Lead	207-1	367	356	333	352	4.82	cps
Lead	208-1	1817	1695	1706	1739	3.89	cps
Lithium	6-1	3755939	3824884	3842088	3807637	1.20	cps
Magnesium	24-2	292	383	333	336	13.65	cps
Manganese	55-2	70	107	50	76	38.04	cps
Molybdenum	94-1	200	250	142	197	27.49	cps
Molybdenum	95-1	58	67	83	69	18.33	cps
Molybdenum	96-1	100	133	175	136	27.61	cps
Molybdenum	97-1	58	83	50	64	27.15	cps
Molybdenum	98-1	100	100	83	94	10.18	cps
Neodymium	150-1	27	0	7	11	124.89	cps
Neodymium	150-2	0	0	7	2	173.21	cps
Nickel	60-2	67	73	83	74	11.26	cps
Phosphorus	31-2	192	300	300	264	23.70	cps
Potassium	39-2	30457	30215	30583	30419	0.61	cps
Rhodium	103-1	7408103	7477781	7705386	7530423	2.06	cps
Rhodium	103-2	3573093	3629242	3591103	3597812	0.80	cps
Scandium	45-1	5885358	5978590	6070798	5978249	1.55	cps
Scandium	45-2	210843	213114	207517	210491	1.34	cps
Selenium	82-1	1	6	-49	-14	-221.19	cps
Selenium	77-2	0	3	0	1	173.21	cps
Selenium	78-2	68	79	58	68	15.37	cps
Silicon	28-1	888725	873114	877424	879754	0.92	cps
Silver	107-1	92	142	200	144	37.54	cps
Silver	109-1	75	58	25	53	48.24	cps
Sodium	23-2	23937	24847	25514	24766	3.20	cps
Strontium	86-1	667	525	683	625	13.92	cps
Strontium	88-1	925	200	233	453	90.40	cps
Sulfur	34-1	482270	477484	475703	478486	0.71	cps
Terbium	159-1	8561988	8577872	8920938	8686932	2.33	cps
Terbium	159-2	4214871	4218155	4255711	4229579	0.54	cps
Thallium	203-1	267	192	275	244	18.78	cps
Thallium	205-1	517	508	442	489	8.41	cps
Tin	118-1	592	592	467	550	13.12	cps

LB Number :	LB125034	Operator :	Jaswal
Lab Sample ID :	ICB52	Instrumnet Name :	P8
Client Sample ID :	ICB52	Dilution Factor :	1
Date & Time Acquired :	2023-04-18 13:03:15	DataFile Name :	016CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Titanium	47-1	183	117	158	153	22.04	cps
Uranium	238-1	50	33	25	36	35.25	cps
Vanadium	51-2	10	10	13	11	17.30	cps
Ytterbium	172-1	25	33	25	28	17.31	cps
Ytterbium	172-2	22	50	28	33	44.10	cps
Ytterbium	176-1	1925	1867	1767	1853	4.32	cps
Ytterbium	176-2	8458	8825	8998	8760	3.14	cps
Yttrium	89-1	14093662	14255977	13832500	14060713	1.52	cps
Yttrium	89-2	1754356	1744557	1731930	1743614	0.64	cps
Zinc	66-2	130	180	130	147	19.68	cps
Zirconium	90-1	542	583	608	578	5.83	cps
Zirconium	91-1	117	67	75	86	31.11	cps

LB Number :	LB125034	Operator :	Jaswal
Lab Sample ID :	ICSA52	Instrumnet Name :	P8
Client Sample ID :	ICSA52	Dilution Factor :	1
Date & Time Acquired :	2023-04-18 13:06:22	DataFile Name :	017ICSA.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	4487050	4268371	4299357	4351593	2.72	cps
Antimony	121-1	4809	4726	4693	4743	1.27	cps
Arsenic	75-2	66	60	58	61	6.79	cps
Barium	135-1	1308	1408	1300	1339	4.50	cps
Barium	137-1	2567	2375	2409	2450	4.18	cps
Beryllium	9-1	574	622	575	590	4.71	cps
Bismuth	209-1	4945685	4783309	4923405	4884133	1.80	cps
Bismuth	209-2	2919088	2908691	2804004	2877261	2.21	cps
Boron	10-1	1602	1508	1606	1572	3.53	cps
Boron	11-1	6882	6716	6650	6750	1.77	cps
Bromine	81-1	32531	33566	34368	33488	2.75	cps
Cadmium	111-1	1382	1180	1184	1249	9.24	cps
Cadmium	106-1	6393	5935	5893	6074	4.57	cps
Cadmium	108-1	1308	1275	1246	1276	2.45	cps
Calcium	43-1	1724784	1715603	1663512	1701300	1.94	cps
Calcium	44-1	26469793	26966236	26351911	26595980	1.23	cps
Carbon	12-1	22455660	23300275	23511457	23089131	2.42	cps
Carbon	12-2	260363	259182	263457	261001	0.85	cps
Chlorine	35-1	9850267	11531434	12715133	11365611	12.67	cps
Chlorine	35-2	112713	117115	122718	117515	4.27	cps
Chromium	52-2	27329	27580	26338	27082	2.43	cps
Cobalt	59-2	3024	2594	2627	2748	8.71	cps
Copper	63-2	14424	14674	14357	14485	1.15	cps
Dysprosium	156-1	25	17	42	28	45.82	cps
Dysprosium	156-2	23	3	10	12	83.33	cps
Erbium	164-1	67	108	100	92	24.05	cps
Erbium	164-2	43	17	50	37	48.10	cps
Gadolinium	160-1	100	158	92	117	31.14	cps
Gadolinium	160-2	163	150	107	140	21.16	cps
Holmium	165-1	8446466	8726899	8355014	8509459	2.28	cps
Holmium	165-2	4287057	4296607	4252534	4278733	0.54	cps
Indium	115-1	7607227	7348220	7423582	7459676	1.79	cps
Indium	115-2	1302884	1292527	1289198	1294870	0.55	cps
Iron	54-2	6513099	6191154	6115742	6273332	3.36	cps
Iron	56-2	118079669	113728094	113392036	115066600	2.27	cps
Iron	57-2	3027226	2931808	2869389	2942808	2.70	cps

LB Number :	LB125034	Operator :	Jaswal
Lab Sample ID :	ICSA52	Instrumnet Name :	P8
Client Sample ID :	ICSA52	Dilution Factor :	1
Date & Time Acquired :	2023-04-18 13:06:22	DataFile Name :	017ICSA.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Krypton	83-1	345	350	344	346	0.96	cps
Lead	206-1	16861	17612	17329	17267	2.20	cps
Lead	207-1	13991	14798	14264	14351	2.86	cps
Lead	208-1	66000	68538	66863	67134	1.92	cps
Lithium	6-1	3807293	3714070	3839209	3786857	1.72	cps
Magnesium	24-2	11474688	11018233	11068552	11187158	2.24	cps
Manganese	55-2	5881	5544	5584	5670	3.25	cps
Molybdenum	94-1	2688707	2685458	2609072	2661079	1.69	cps
Molybdenum	95-1	4764034	4657705	4672236	4697992	1.23	cps
Molybdenum	96-1	5078746	4941465	4859216	4959809	2.24	cps
Molybdenum	97-1	2896256	2825942	2856834	2859677	1.23	cps
Molybdenum	98-1	7342626	7324091	7447887	7371535	0.91	cps
Neodymium	150-1	40	13	27	27	50.01	cps
Neodymium	150-2	7	3	3	4	43.40	cps
Nickel	60-2	3464	3447	3564	3492	1.81	cps
Phosphorus	31-2	262428	253983	256424	257612	1.69	cps
Potassium	39-2	8830635	8421876	8463199	8571903	2.63	cps
Rhodium	103-1	7306367	7226864	7152839	7228690	1.06	cps
Rhodium	103-2	3397680	3425579	3415532	3412930	0.41	cps
Scandium	45-1	6094026	5981285	5971405	6015572	1.13	cps
Scandium	45-2	208988	205193	204940	206374	1.10	cps
Selenium	82-1	4	50	-1	18	161.47	cps
Selenium	77-2	0	3	0	1	173.21	cps
Selenium	78-2	60	52	56	56	7.14	cps
Silicon	28-1	1027986	1046594	1023530	1032703	1.18	cps
Silver	107-1	300	158	292	250	31.80	cps
Silver	109-1	158	208	225	197	17.59	cps
Sodium	23-2	21915117	21076984	21059748	21350616	2.29	cps
Strontium	86-1	52884	52198	51981	52354	0.90	cps
Strontium	88-1	447259	452878	437978	446038	1.69	cps
Sulfur	34-1	3112519	3103952	3050772	3089081	1.08	cps
Terbium	159-1	8977421	8963513	8952126	8964353	0.14	cps
Terbium	159-2	4288212	4219141	4357447	4288266	1.61	cps
Thallium	203-1	683	575	700	653	10.40	cps
Thallium	205-1	1433	1525	1717	1558	9.28	cps
Tin	118-1	1067	1025	1067	1053	2.29	cps

LB Number :	LB125034	Operator :	Jaswal
Lab Sample ID :	ICSA52	Instrumnet Name :	P8
Client Sample ID :	ICSA52	Dilution Factor :	1
Date & Time Acquired :	2023-04-18 13:06:22	DataFile Name :	017ICSA.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Titanium	47-1	1647179	1631174	1638356	1638903	0.49	cps
Uranium	238-1	225	208	125	186	28.79	cps
Vanadium	51-2	190	223	160	191	16.58	cps
Ytterbium	172-1	58	92	42	64	39.85	cps
Ytterbium	172-2	44	39	22	35	32.88	cps
Ytterbium	176-1	1825	1759	1683	1756	4.04	cps
Ytterbium	176-2	9192	9214	8736	9048	2.98	cps
Yttrium	89-1	14417125	14123579	13790807	14110504	2.22	cps
Yttrium	89-2	1698949	1741531	1751034	1730505	1.60	cps
Zinc	66-2	2474	2500	2484	2486	0.54	cps
Zirconium	90-1	650	758	725	711	7.80	cps
Zirconium	91-1	117	117	108	114	4.22	cps

LB Number :	LB125034	Operator :	Jaswal
Lab Sample ID :	ICSAB52	Instrumnet Name :	P8
Client Sample ID :	ICSAB52	Dilution Factor :	1
Date & Time Acquired :	2023-04-18 13:10:01	DataFile Name :	018ICSB.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	4302934	4244808	4128704	4225482	2.10	cps
Antimony	121-1	84804	86851	86280	85979	1.23	cps
Arsenic	75-2	2962	2818	2774	2851	3.45	cps
Barium	135-1	20583	21560	21484	21209	2.56	cps
Barium	137-1	35272	37478	36926	36559	3.14	cps
Beryllium	9-1	33560	34179	33846	33862	0.91	cps
Bismuth	209-1	4825447	5107085	4909469	4947334	2.92	cps
Bismuth	209-2	2940722	3016177	2853164	2936688	2.78	cps
Boron	10-1	1352	1296	1288	1312	2.66	cps
Boron	11-1	5820	5590	5580	5663	2.40	cps
Bromine	81-1	34017	33976	36249	34747	3.74	cps
Cadmium	111-1	22518	23650	22777	22982	2.58	cps
Cadmium	106-1	7210	7944	8578	7911	8.65	cps
Cadmium	108-1	2659	2613	2717	2663	1.96	cps
Calcium	43-1	1659489	1658527	1701635	1673217	1.47	cps
Calcium	44-1	26795091	26499535	26243098	26512575	1.04	cps
Carbon	12-1	22044514	23205430	23517054	22922332	3.39	cps
Carbon	12-2	265926	261871	255674	261157	1.98	cps
Chlorine	35-1	12864464	15210799	16608542	14894602	12.70	cps
Chlorine	35-2	145451	146570	153153	148391	2.80	cps
Chromium	52-2	53068	54908	53533	53836	1.78	cps
Cobalt	59-2	48960	48148	48034	48381	1.04	cps
Copper	63-2	49957	49158	49299	49472	0.86	cps
Dysprosium	156-1	25	17	25	22	21.64	cps
Dysprosium	156-2	0	0	3	1	173.21	cps
Erbium	164-1	58	50	75	61	20.83	cps
Erbium	164-2	37	60	27	41	41.60	cps
Gadolinium	160-1	150	142	125	139	9.17	cps
Gadolinium	160-2	143	150	93	129	24.03	cps
Holmium	165-1	8509682	8518437	8591837	8539986	0.53	cps
Holmium	165-2	4270654	4238163	4250797	4253205	0.39	cps
Indium	115-1	7326327	7498869	7596222	7473806	1.83	cps
Indium	115-2	1275513	1270424	1264738	1270225	0.42	cps
Iron	54-2	6156594	6168263	6207498	6177452	0.43	cps
Iron	56-2	116031780	115839664	115490875	115787440	0.24	cps
Iron	57-2	2952225	2866626	2907296	2908715	1.47	cps

LB Number :	LB125034	Operator :	Jaswal
Lab Sample ID :	ICSAB52	Instrumnet Name :	P8
Client Sample ID :	ICSAB52	Dilution Factor :	1
Date & Time Acquired :	2023-04-18 13:10:01	DataFile Name :	018ICSB.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Krypton	83-1	362	317	330	337	6.90	cps
Lead	206-1	86257	84553	86851	85887	1.39	cps
Lead	207-1	73055	73357	72821	73078	0.37	cps
Lead	208-1	329792	335189	334991	333324	0.92	cps
Lithium	6-1	3734603	3782148	3854765	3790505	1.60	cps
Magnesium	24-2	11134660	11244283	11075417	11151453	0.77	cps
Manganese	55-2	20385	19804	19710	19966	1.83	cps
Molybdenum	94-1	2669878	2706374	2614042	2663431	1.75	cps
Molybdenum	95-1	4708501	4697176	4603074	4669583	1.24	cps
Molybdenum	96-1	5034179	5156086	4971046	5053770	1.86	cps
Molybdenum	97-1	2920745	2987152	2965064	2957654	1.14	cps
Molybdenum	98-1	7327762	7649168	7485915	7487615	2.15	cps
Neodymium	150-1	27	13	33	24	41.66	cps
Neodymium	150-2	3	13	3	7	86.65	cps
Nickel	60-2	16460	15769	15922	16050	2.26	cps
Phosphorus	31-2	260639	255301	249547	255163	2.17	cps
Potassium	39-2	8581378	8435939	8323536	8446951	1.53	cps
Rhodium	103-1	7152736	7548349	7384586	7361890	2.70	cps
Rhodium	103-2	3434243	3474237	3312406	3406962	2.47	cps
Scandium	45-1	5922718	5982871	6019656	5975082	0.82	cps
Scandium	45-2	204524	203980	206878	205127	0.75	cps
Selenium	82-1	2089	2081	2052	2074	0.92	cps
Selenium	77-2	53	73	77	68	18.62	cps
Selenium	78-2	293	268	302	288	6.12	cps
Silicon	28-1	1032417	1043397	1012204	1029339	1.54	cps
Silver	107-1	108569	109971	111079	109873	1.14	cps
Silver	109-1	104497	107434	104917	105616	1.50	cps
Sodium	23-2	21643989	20906840	21138537	21229789	1.78	cps
Strontium	86-1	52616	53169	53796	53194	1.11	cps
Strontium	88-1	445688	451149	448069	448302	0.61	cps
Sulfur	34-1	3024013	3025175	3066519	3038569	0.80	cps
Terbium	159-1	8814500	9145037	9112562	9024033	2.02	cps
Terbium	159-2	4262627	4419638	4173738	4285334	2.91	cps
Thallium	203-1	80886	83453	84760	83033	2.37	cps
Thallium	205-1	196326	196729	196628	196561	0.11	cps
Tin	118-1	1075	1225	967	1089	11.91	cps

LB Number :	LB125034	Operator :	Jaswal
Lab Sample ID :	ICSAB52	Instrumnet Name :	P8
Client Sample ID :	ICSAB52	Dilution Factor :	1
Date & Time Acquired :	2023-04-18 13:10:01	DataFile Name :	018ICSB.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Titanium	47-1	1646956	1638434	1644563	1643317	0.27	cps
Uranium	238-1	242	258	233	244	5.21	cps
Vanadium	51-2	21109	21206	20996	21103	0.50	cps
Ytterbium	172-1	33	83	125	81	56.98	cps
Ytterbium	172-2	39	17	33	30	39.02	cps
Ytterbium	176-1	1575	1892	1642	1703	9.80	cps
Ytterbium	176-2	8859	8264	8875	8666	4.02	cps
Yttrium	89-1	13768044	14313345	14106392	14062594	1.96	cps
Yttrium	89-2	1676622	1663193	1666121	1668645	0.42	cps
Zinc	66-2	7315	6728	7345	7130	4.88	cps
Zirconium	90-1	600	575	675	617	8.44	cps
Zirconium	91-1	125	83	100	103	20.40	cps

LB Number :	LB125034	Operator :	Jaswal
Lab Sample ID :	CCV27	Instrumnet Name :	P8
Client Sample ID :	CCV27	Dilution Factor :	1
Date & Time Acquired :	2023-04-18 13:12:59	DataFile Name :	019CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	2407635	2323499	2357471	2362868	1.79	cps
Antimony	121-1	2123821	2092145	2132445	2116137	1.00	cps
Arsenic	75-2	71837	70100	69674	70537	1.62	cps
Barium	135-1	2642887	2740998	2634854	2672913	2.21	cps
Barium	137-1	4501488	4564850	4628928	4565089	1.40	cps
Beryllium	9-1	826271	830964	827855	828363	0.29	cps
Bismuth	209-1	4949399	4698856	4791791	4813349	2.63	cps
Bismuth	209-2	2919493	2821744	2917975	2886404	1.94	cps
Boron	10-1	97362	104206	105819	102462	4.38	cps
Boron	11-1	424164	456836	471323	450774	5.36	cps
Bromine	81-1	34510	32756	34544	33936	3.01	cps
Cadmium	111-1	574574	575389	567350	572438	0.77	cps
Cadmium	106-1	75449	75357	75273	75360	0.12	cps
Cadmium	108-1	48222	48502	48753	48492	0.55	cps
Calcium	43-1	4197423	4269882	4293444	4253583	1.18	cps
Calcium	44-1	65594983	66605127	66405837	66201982	0.81	cps
Carbon	12-1	5603224	5832766	5968787	5801592	3.18	cps
Carbon	12-2	72035	71114	69967	71039	1.46	cps
Chlorine	35-1	3463949	3292209	3051306	3269155	6.34	cps
Chlorine	35-2	20790	20557	20198	20515	1.45	cps
Chromium	52-2	718811	700921	688174	702635	2.19	cps
Cobalt	59-2	1238565	1182178	1194081	1204941	2.47	cps
Copper	63-2	10233586	9936029	9778746	9982787	2.31	cps
Dysprosium	156-1	675	467	525	556	19.35	cps
Dysprosium	156-2	220	253	237	237	7.04	cps
Erbium	164-1	100	92	117	103	12.39	cps
Erbium	164-2	40	20	43	34	36.64	cps
Gadolinium	160-1	675	533	692	633	13.74	cps
Gadolinium	160-2	347	337	360	348	3.37	cps
Holmium	165-1	8525166	8337089	8392835	8418363	1.15	cps
Holmium	165-2	4467691	4220800	4329930	4339473	2.85	cps
Indium	115-1	7338174	7541877	7318789	7399613	1.67	cps
Indium	115-2	1286835	1248104	1279073	1271337	1.61	cps
Iron	54-2	8363996	8107650	8041171	8170939	2.09	cps
Iron	56-2	151205676	147407453	147232342	148615157	1.51	cps
Iron	57-2	3825852	3675038	3681231	3727374	2.29	cps

LB Number :	LB125034	Operator :	Jaswal
Lab Sample ID :	CCV27	Instrumnet Name :	P8
Client Sample ID :	CCV27	Dilution Factor :	1
Date & Time Acquired :	2023-04-18 13:12:59	DataFile Name :	019CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Krypton	83-1	362	365	380	369	2.56	cps
Lead	206-1	7743651	7698205	7644035	7695297	0.65	cps
Lead	207-1	6736598	6716203	6781357	6744719	0.49	cps
Lead	208-1	30967016	30585580	30711490	30754695	0.63	cps
Lithium	6-1	3790589	3764161	3874891	3809880	1.52	cps
Magnesium	24-2	30988538	30435137	30353165	30592280	1.13	cps
Manganese	55-2	4092052	4009836	4068259	4056716	1.04	cps
Molybdenum	94-1	8958540	9128199	9048069	9044936	0.94	cps
Molybdenum	95-1	13061415	13444653	13501282	13335783	1.79	cps
Molybdenum	96-1	14414172	14616026	14718849	14583016	1.06	cps
Molybdenum	97-1	8210051	8084486	8158993	8151177	0.77	cps
Molybdenum	98-1	21615098	20904029	21239047	21252725	1.67	cps
Neodymium	150-1	307	287	387	327	16.20	cps
Neodymium	150-2	7	17	20	14	48.02	cps
Nickel	60-2	331567	316686	316503	321585	2.69	cps
Phosphorus	31-2	28921	28069	27585	28192	2.40	cps
Potassium	39-2	11547443	11309340	11031361	11296048	2.29	cps
Rhodium	103-1	7183715	6968297	6906098	7019370	2.08	cps
Rhodium	103-2	3419733	3345836	3354728	3373432	1.20	cps
Scandium	45-1	6013551	5998295	5980766	5997537	0.27	cps
Scandium	45-2	210211	206099	207426	207912	1.01	cps
Selenium	82-1	51982	51997	52562	52180	0.63	cps
Selenium	77-2	1837	1707	1807	1783	3.82	cps
Selenium	78-2	6033	5956	6097	6029	1.17	cps
Silicon	28-1	3399117	3743554	3922124	3688265	7.21	cps
Silver	107-1	3108399	3144689	3190051	3147713	1.30	cps
Silver	109-1	2946837	3031732	2975512	2984694	1.45	cps
Sodium	23-2	52879878	52871486	51259677	52337014	1.78	cps
Strontium	86-1	20147023	20434694	19657763	20079827	1.96	cps
Strontium	88-1	171803883	174036229	172069612	172636575	0.71	cps
Sulfur	34-1	797809	806123	802713	802215	0.52	cps
Terbium	159-1	9171474	8968826	8791780	8977360	2.12	cps
Terbium	159-2	4172625	4153683	4303139	4209816	1.93	cps
Thallium	203-1	1878047	1826486	1904985	1869839	2.13	cps
Thallium	205-1	4470246	4357111	4437714	4421690	1.32	cps
Tin	118-1	1871888	1985136	1966702	1941242	3.13	cps

LB Number :	LB125034	Operator :	Jaswal
Lab Sample ID :	CCV27	Instrumnet Name :	P8
Client Sample ID :	CCV27	Dilution Factor :	1
Date & Time Acquired :	2023-04-18 13:12:59	DataFile Name :	019CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Titanium	47-1	4078769	4070781	4069297	4072949	0.13	cps
Uranium	238-1	5858123	5820727	5867514	5848788	0.42	cps
Vanadium	51-2	583060	562187	554023	566423	2.64	cps
Ytterbium	172-1	200	233	158	197	19.05	cps
Ytterbium	172-2	117	111	139	122	12.03	cps
Ytterbium	176-1	9954	9053	9729	9579	4.89	cps
Ytterbium	176-2	12695	12467	13018	12727	2.17	cps
Yttrium	89-1	14368426	13935129	14110422	14137992	1.54	cps
Yttrium	89-2	1765913	1737698	1712772	1738794	1.53	cps
Zinc	66-2	1240880	1199452	1188049	1209460	2.30	cps
Zirconium	90-1	4365826	4424409	4339726	4376653	0.99	cps
Zirconium	91-1	977573	963997	969457	970342	0.70	cps

LB Number :	LB125034	Operator :	Jaswal
Lab Sample ID :	CCB27	Instrumnet Name :	P8
Client Sample ID :	CCB27	Dilution Factor :	1
Date & Time Acquired :	2023-04-18 13:20:27	DataFile Name :	020CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	95	107	99	100	6.39	cps
Antimony	121-1	367	308	350	342	8.79	cps
Arsenic	75-2	2	5	3	3	45.83	cps
Barium	135-1	92	50	0	47	97.19	cps
Barium	137-1	175	50	25	83	96.44	cps
Beryllium	9-1	179	179	164	174	4.98	cps
Bismuth	209-1	4671025	4938259	4923326	4844203	3.10	cps
Bismuth	209-2	3084300	3003996	2977701	3021999	1.84	cps
Boron	10-1	2256	2116	2040	2137	5.13	cps
Boron	11-1	9483	9495	8939	9306	3.41	cps
Bromine	81-1	31437	34168	31586	32397	4.74	cps
Cadmium	111-1	567	512	586	555	6.94	cps
Cadmium	106-1	5326	5326	5726	5460	4.23	cps
Cadmium	108-1	17	42	17	25	57.73	cps
Calcium	43-1	309	185	175	223	33.42	cps
Calcium	44-1	21842	20017	19969	20609	5.18	cps
Carbon	12-1	4752493	4782549	4726659	4753900	0.59	cps
Carbon	12-2	54008	54669	54527	54401	0.64	cps
Chlorine	35-1	1188489	1175032	1135389	1166303	2.37	cps
Chlorine	35-2	8820	8361	7569	8250	7.67	cps
Chromium	52-2	637	553	543	578	8.87	cps
Cobalt	59-2	47	50	90	62	38.75	cps
Copper	63-2	1260	1160	1063	1161	8.47	cps
Dysprosium	156-1	17	25	0	14	91.65	cps
Dysprosium	156-2	0	3	3	2	86.60	cps
Erbium	164-1	42	92	25	53	65.74	cps
Erbium	164-2	10	30	20	20	50.00	cps
Gadolinium	160-1	83	75	67	75	11.11	cps
Gadolinium	160-2	113	120	103	112	7.48	cps
Holmium	165-1	7639062	8138846	8295504	8024471	4.27	cps
Holmium	165-2	4273610	4209717	4335009	4272779	1.47	cps
Indium	115-1	6749748	7261232	7376882	7129287	4.68	cps
Indium	115-2	1312946	1281793	1291941	1295560	1.23	cps
Iron	54-2	783	856	700	780	9.99	cps
Iron	56-2	4868	4979	4995	4947	1.40	cps
Iron	57-2	217	239	328	261	22.52	cps

LB Number :	LB125034	Operator :	Jaswal
Lab Sample ID :	CCB27	Instrumnet Name :	P8
Client Sample ID :	CCB27	Dilution Factor :	1
Date & Time Acquired :	2023-04-18 13:20:27	DataFile Name :	020CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Krypton	83-1	379	351	335	355	6.23	cps
Lead	206-1	867	600	678	715	19.19	cps
Lead	207-1	811	689	606	702	14.73	cps
Lead	208-1	3522	2578	2589	2896	18.72	cps
Lithium	6-1	3481091	3693328	3680453	3618291	3.29	cps
Magnesium	24-2	342	375	533	417	24.58	cps
Manganese	55-2	57	67	53	59	11.79	cps
Molybdenum	94-1	842	492	442	592	36.84	cps
Molybdenum	95-1	883	750	575	736	21.01	cps
Molybdenum	96-1	917	808	467	731	32.15	cps
Molybdenum	97-1	567	350	275	397	38.13	cps
Molybdenum	98-1	1292	908	633	945	35.01	cps
Neodymium	150-1	7	0	13	7	99.98	cps
Neodymium	150-2	3	0	7	3	100.05	cps
Nickel	60-2	67	67	90	74	18.09	cps
Phosphorus	31-2	200	242	325	256	24.90	cps
Potassium	39-2	31685	31410	31426	31507	0.49	cps
Rhodium	103-1	6641626	7175945	7295190	7037587	4.95	cps
Rhodium	103-2	3526203	3485824	3525817	3512615	0.66	cps
Scandium	45-1	5421455	5712492	5815409	5649785	3.62	cps
Scandium	45-2	202936	203183	202646	202922	0.13	cps
Selenium	82-1	60	40	5	35	79.53	cps
Selenium	77-2	0	0	0	0	0.00	cps
Selenium	78-2	79	61	63	68	14.58	cps
Silicon	28-1	937099	873704	867254	892686	4.32	cps
Silver	107-1	125	225	158	169	30.05	cps
Silver	109-1	183	192	108	161	28.49	cps
Sodium	23-2	30065	30466	30057	30196	0.77	cps
Strontium	86-1	1092	800	700	864	23.56	cps
Strontium	88-1	4918	1884	642	2481	88.66	cps
Sulfur	34-1	456327	457819	453919	456022	0.43	cps
Terbium	159-1	8049328	8346066	8778997	8391464	4.37	cps
Terbium	159-2	4258795	4206294	4230601	4231896	0.62	cps
Thallium	203-1	433	500	392	442	12.37	cps
Thallium	205-1	1267	1075	975	1106	13.41	cps
Tin	118-1	708	567	542	606	14.84	cps

LB Number :	LB125034	Operator :	Jaswal
Lab Sample ID :	CCB27	Instrumnet Name :	P8
Client Sample ID :	CCB27	Dilution Factor :	1
Date & Time Acquired :	2023-04-18 13:20:27	DataFile Name :	020CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Titanium	47-1	250	200	167	206	20.41	cps
Uranium	238-1	142	67	42	83	62.45	cps
Vanadium	51-2	0	10	13	8	89.21	cps
Ytterbium	172-1	42	75	25	47	53.91	cps
Ytterbium	172-2	28	11	22	20	41.67	cps
Ytterbium	176-1	1533	1717	1934	1728	11.59	cps
Ytterbium	176-2	9098	8770	8820	8896	1.99	cps
Yttrium	89-1	12866155	13532786	14037134	13478692	4.36	cps
Yttrium	89-2	1692233	1684200	1720252	1698895	1.11	cps
Zinc	66-2	180	140	150	157	13.29	cps
Zirconium	90-1	750	600	592	647	13.77	cps
Zirconium	91-1	108	67	117	97	27.55	cps

LB Number :	LB125034	Operator :	Jaswal
Lab Sample ID :	CRI	Instrumnet Name :	P8
Client Sample ID :	CRI	Dilution Factor :	1
Date & Time Acquired :	2023-04-18 13:23:31	DataFile Name :	021LLCC.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	1042	987	1012	1014	2.72	cps
Antimony	121-1	8636	8378	8286	8433	2.15	cps
Arsenic	75-2	166	152	141	153	8.19	cps
Barium	135-1	9479	9879	10129	9829	3.34	cps
Barium	137-1	17028	17645	16936	17203	2.24	cps
Beryllium	9-1	1857	2049	1907	1938	5.12	cps
Bismuth	209-1	5186377	4862855	4884628	4977954	3.63	cps
Bismuth	209-2	3058163	2902778	2961813	2974251	2.64	cps
Boron	10-1	5742	6130	6242	6038	4.35	cps
Boron	11-1	25617	27676	27861	27052	4.60	cps
Bromine	81-1	31436	32931	32463	32277	2.37	cps
Cadmium	111-1	1783	1773	1938	1831	5.07	cps
Cadmium	106-1	6318	6018	6118	6152	2.48	cps
Cadmium	108-1	100	83	129	104	22.27	cps
Calcium	43-1	8416	8577	8617	8536	1.24	cps
Calcium	44-1	153490	155098	154842	154477	0.56	cps
Carbon	12-1	4664700	4711407	4748125	4708077	0.89	cps
Carbon	12-2	54527	53046	52846	53473	1.72	cps
Chlorine	35-1	949770	946370	924449	940196	1.46	cps
Chlorine	35-2	6702	7085	6276	6688	6.05	cps
Chromium	52-2	3357	3260	3214	3277	2.23	cps
Cobalt	59-2	2764	2477	2540	2594	5.81	cps
Copper	63-2	5171	5201	5128	5167	0.71	cps
Dysprosium	156-1	8	8	17	11	43.34	cps
Dysprosium	156-2	3	7	3	4	43.40	cps
Erbium	164-1	75	58	83	72	17.63	cps
Erbium	164-2	33	23	30	29	17.63	cps
Gadolinium	160-1	83	150	58	97	48.74	cps
Gadolinium	160-2	107	113	100	107	6.25	cps
Holmium	165-1	8246469	8146714	8067761	8153648	1.10	cps
Holmium	165-2	4085236	4100180	4192815	4126077	1.41	cps
Indium	115-1	7358919	7363413	7345007	7355780	0.13	cps
Indium	115-2	1289364	1289639	1286589	1288531	0.13	cps
Iron	54-2	4212	3962	3862	4012	4.49	cps
Iron	56-2	64395	63212	62040	63215	1.86	cps
Iron	57-2	1828	1372	1761	1654	14.88	cps

LB Number :	LB125034	Operator :	Jaswal
Lab Sample ID :	CRI	Instrumnet Name :	P8
Client Sample ID :	CRI	Dilution Factor :	1
Date & Time Acquired :	2023-04-18 13:23:31	DataFile Name :	021LLCC.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Krypton	83-1	311	350	339	333	5.98	cps
Lead	206-1	3245	3284	3678	3402	7.05	cps
Lead	207-1	2906	2900	2834	2880	1.40	cps
Lead	208-1	13620	13414	13642	13559	0.93	cps
Lithium	6-1	3636090	3701811	3569932	3635944	1.81	cps
Magnesium	24-2	61480	60794	60576	60950	0.77	cps
Manganese	55-2	910	847	910	889	4.11	cps
Molybdenum	94-1	9620	10212	9979	9937	3.00	cps
Molybdenum	95-1	12690	12422	12239	12450	1.82	cps
Molybdenum	96-1	13841	13899	13791	13843	0.39	cps
Molybdenum	97-1	7552	8645	7936	8044	6.89	cps
Molybdenum	98-1	20073	19614	19122	19603	2.43	cps
Neodymium	150-1	7	13	0	7	99.98	cps
Neodymium	150-2	0	0	0	0	0.00	cps
Nickel	60-2	770	693	663	709	7.76	cps
Phosphorus	31-2	342	292	208	281	24.01	cps
Potassium	39-2	75742	72625	72859	73742	2.35	cps
Rhodium	103-1	7557694	7428214	7240300	7408736	2.15	cps
Rhodium	103-2	3533361	3481308	3467848	3494172	0.99	cps
Scandium	45-1	5854383	5862215	5776757	5831118	0.81	cps
Scandium	45-2	201150	202325	203125	202200	0.49	cps
Selenium	82-1	539	502	512	518	3.61	cps
Selenium	77-2	27	23	17	22	22.91	cps
Selenium	78-2	135	117	129	127	7.22	cps
Silicon	28-1	926642	897127	922271	915346	1.74	cps
Silver	107-1	5935	6477	6093	6168	4.52	cps
Silver	109-1	5668	6460	5868	5999	6.87	cps
Sodium	23-2	138276	137748	136013	137346	0.86	cps
Strontium	86-1	2342	2217	2034	2197	7.06	cps
Strontium	88-1	14166	13115	13707	13663	3.86	cps
Sulfur	34-1	462817	460597	458378	460597	0.48	cps
Terbium	159-1	8672541	8601716	8500555	8591604	1.01	cps
Terbium	159-2	4160508	4260346	4158483	4193112	1.39	cps
Thallium	203-1	3826	4209	3834	3956	5.54	cps
Thallium	205-1	9520	8962	9445	9309	3.26	cps
Tin	118-1	18046	18363	18671	18360	1.70	cps

LB Number :	LB125034	Operator :	Jaswal
Lab Sample ID :	CRI	Instrumnet Name :	P8
Client Sample ID :	CRI	Dilution Factor :	1
Date & Time Acquired :	2023-04-18 13:23:31	DataFile Name :	021LLCC.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Titanium	47-1	4209	4109	4309	4209	2.38	cps
Uranium	238-1	11105	11164	11239	11169	0.60	cps
Vanadium	51-2	5461	5498	5298	5419	1.97	cps
Ytterbium	172-1	33	50	25	36	35.25	cps
Ytterbium	172-2	11	33	33	26	49.49	cps
Ytterbium	176-1	1817	1525	1859	1733	10.48	cps
Ytterbium	176-2	8347	9020	8686	8684	3.87	cps
Yttrium	89-1	13722699	13663210	13659740	13681883	0.26	cps
Yttrium	89-2	1712083	1709576	1705922	1709193	0.18	cps
Zinc	66-2	743	710	567	673	13.94	cps
Zirconium	90-1	8645	8386	9045	8692	3.82	cps
Zirconium	91-1	1884	1900	1934	1906	1.34	cps

LB Number :	LB125034	Operator :	Jaswal
Lab Sample ID :	PB152017BL	Instrumnet Name :	P8
Client Sample ID :	PB152017BL	Dilution Factor :	1
Date & Time Acquired :	2023-04-18 13:26:37	DataFile Name :	022CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	71	79	62	71	11.48	cps
Antimony	121-1	83	158	133	125	30.55	cps
Arsenic	75-2	4	3	6	4	35.25	cps
Barium	135-1	25	0	8	11	114.58	cps
Barium	137-1	42	8	25	25	66.68	cps
Beryllium	9-1	139	145	117	134	10.78	cps
Bismuth	209-1	5071690	4922486	5131398	5041858	2.13	cps
Bismuth	209-2	2925860	3018523	2928994	2957792	1.78	cps
Boron	10-1	1682	1510	1622	1604	5.44	cps
Boron	11-1	6992	7066	6678	6912	2.98	cps
Bromine	81-1	33082	33959	31035	32692	4.59	cps
Cadmium	111-1	610	583	585	593	2.50	cps
Cadmium	106-1	5743	5776	5626	5715	1.38	cps
Cadmium	108-1	21	4	33	19	75.24	cps
Calcium	43-1	182	166	144	164	11.85	cps
Calcium	44-1	19799	19473	19386	19553	1.11	cps
Carbon	12-1	4820951	4820487	4809604	4817014	0.13	cps
Carbon	12-2	55171	55095	55630	55299	0.52	cps
Chlorine	35-1	785689	781714	776575	781326	0.58	cps
Chlorine	35-2	6026	5735	5735	5832	2.89	cps
Chromium	52-2	607	510	490	536	11.65	cps
Cobalt	59-2	77	53	113	81	37.29	cps
Copper	63-2	1067	1157	1113	1112	4.05	cps
Dysprosium	156-1	8	0	25	11	114.58	cps
Dysprosium	156-2	0	3	0	1	173.21	cps
Erbium	164-1	50	75	108	78	37.63	cps
Erbium	164-2	30	43	40	38	18.36	cps
Gadolinium	160-1	67	100	67	78	24.74	cps
Gadolinium	160-2	113	120	113	116	3.33	cps
Holmium	165-1	8360277	8245564	8126040	8243960	1.42	cps
Holmium	165-2	4060688	4176172	4193628	4143496	1.74	cps
Indium	115-1	7320174	7521335	7446186	7429231	1.37	cps
Indium	115-2	1230360	1293657	1283237	1269085	2.67	cps
Iron	54-2	700	700	828	743	9.93	cps
Iron	56-2	4251	4429	4579	4419	3.71	cps
Iron	57-2	194	211	183	196	7.12	cps

LB Number :	LB125034	Operator :	Jaswal
Lab Sample ID :	PB152017BL	Instrumnet Name :	P8
Client Sample ID :	PB152017BL	Dilution Factor :	1
Date & Time Acquired :	2023-04-18 13:26:37	DataFile Name :	022CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Krypton	83-1	320	325	324	323	0.80	cps
Lead	206-1	600	528	544	557	6.78	cps
Lead	207-1	378	533	478	463	17.03	cps
Lead	208-1	1922	2122	2156	2067	6.11	cps
Lithium	6-1	3671209	3678690	3695665	3681855	0.34	cps
Magnesium	24-2	375	342	308	342	9.76	cps
Manganese	55-2	70	43	67	60	24.22	cps
Molybdenum	94-1	233	208	192	211	9.93	cps
Molybdenum	95-1	175	242	267	228	20.80	cps
Molybdenum	96-1	217	125	183	175	26.52	cps
Molybdenum	97-1	100	150	83	111	31.23	cps
Molybdenum	98-1	208	175	233	206	14.24	cps
Neodymium	150-1	0	0	7	2	173.21	cps
Neodymium	150-2	3	0	0	1	173.21	cps
Nickel	60-2	73	87	57	72	20.81	cps
Phosphorus	31-2	208	275	233	239	14.10	cps
Potassium	39-2	31025	30483	30850	30786	0.90	cps
Rhodium	103-1	7332982	7436532	7155919	7308478	1.94	cps
Rhodium	103-2	3410894	3505164	3565812	3493957	2.23	cps
Scandium	45-1	5964303	5756786	5962268	5894452	2.02	cps
Scandium	45-2	200795	204128	201273	202065	0.89	cps
Selenium	82-1	14	23	19	18	23.98	cps
Selenium	77-2	0	0	3	1	173.21	cps
Selenium	78-2	72	69	56	66	12.95	cps
Silicon	28-1	888958	867130	863932	873340	1.56	cps
Silver	107-1	183	192	183	186	2.58	cps
Silver	109-1	158	117	100	125	24.04	cps
Sodium	23-2	28220	27551	28887	28220	2.37	cps
Strontium	86-1	617	558	575	583	5.15	cps
Strontium	88-1	733	300	250	428	62.14	cps
Sulfur	34-1	465371	464552	462607	464177	0.31	cps
Terbium	159-1	9119198	8784745	8770203	8891382	2.22	cps
Terbium	159-2	4154979	4234470	4175910	4188453	0.98	cps
Thallium	203-1	408	392	275	358	20.27	cps
Thallium	205-1	750	858	767	792	7.37	cps
Tin	118-1	833	733	750	772	6.93	cps

LB Number :	LB125034	Operator :	Jaswal
Lab Sample ID :	PB152017BL	Instrumnet Name :	P8
Client Sample ID :	PB152017BL	Dilution Factor :	1
Date & Time Acquired :	2023-04-18 13:26:37	DataFile Name :	022CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Titanium	47-1	292	167	167	208	34.64	cps
Uranium	238-1	33	42	17	31	41.66	cps
Vanadium	51-2	10	10	7	9	21.63	cps
Ytterbium	172-1	42	58	75	58	28.57	cps
Ytterbium	172-2	22	22	17	20	15.73	cps
Ytterbium	176-1	1617	2059	1750	1809	12.53	cps
Ytterbium	176-2	8119	8959	8747	8609	5.07	cps
Yttrium	89-1	13767156	13947843	14137954	13950984	1.33	cps
Yttrium	89-2	1643102	1725409	1707491	1692001	2.56	cps
Zinc	66-2	147	153	127	142	9.76	cps
Zirconium	90-1	642	567	575	594	6.92	cps
Zirconium	91-1	92	58	92	81	23.89	cps

LB Number :	LB125034	Operator :	Jaswal
Lab Sample ID :	PB152017BS	Instrumnet Name :	P8
Client Sample ID :	PB152017BS	Dilution Factor :	1
Date & Time Acquired :	2023-04-18 13:29:41	DataFile Name :	023LCS6.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	469548	464178	453505	462410	1.77	cps
Antimony	121-1	2164171	2159287	2138706	2154055	0.63	cps
Arsenic	75-2	73170	72362	70529	72020	1.88	cps
Barium	135-1	2577386	2608901	2575674	2587320	0.72	cps
Barium	137-1	4272515	4485534	4429782	4395944	2.51	cps
Beryllium	9-1	852796	869946	866329	863024	1.05	cps
Bismuth	209-1	4965504	4923053	5093150	4993902	1.77	cps
Bismuth	209-2	2965007	3058892	3008155	3010685	1.56	cps
Boron	10-1	93752	103366	106655	101258	6.62	cps
Boron	11-1	417198	449524	471849	446190	6.16	cps
Bromine	81-1	32272	32814	32981	32689	1.13	cps
Cadmium	111-1	564037	567999	572642	568226	0.76	cps
Cadmium	106-1	74703	74862	74661	74742	0.14	cps
Cadmium	108-1	47482	49250	48402	48378	1.83	cps
Calcium	43-1	949980	963395	954710	956028	0.71	cps
Calcium	44-1	14393125	15244508	14803953	14813862	2.87	cps
Carbon	12-1	5561455	5692083	5691433	5648324	1.33	cps
Carbon	12-2	68770	68109	65639	67506	2.44	cps
Chlorine	35-1	708091	694697	686919	696569	1.54	cps
Chlorine	35-2	5084	5126	5109	5107	0.41	cps
Chromium	52-2	723671	702700	687256	704542	2.59	cps
Cobalt	59-2	1226473	1210684	1187928	1208362	1.60	cps
Copper	63-2	10165630	9991353	9699687	9952224	2.37	cps
Dysprosium	156-1	233	183	167	194	17.84	cps
Dysprosium	156-2	83	47	70	67	27.83	cps
Erbium	164-1	83	83	67	78	12.37	cps
Erbium	164-2	30	30	20	27	21.65	cps
Gadolinium	160-1	142	217	200	186	21.16	cps
Gadolinium	160-2	157	180	177	171	7.37	cps
Holmium	165-1	8519993	8391044	8397900	8436312	0.86	cps
Holmium	165-2	4312345	4437675	4348124	4366048	1.48	cps
Indium	115-1	7367679	7418964	7510505	7432382	0.97	cps
Indium	115-2	1294396	1312679	1292055	1299710	0.87	cps
Iron	54-2	1788629	1737303	1752339	1759423	1.50	cps
Iron	56-2	31903621	31045485	30436728	31128612	2.37	cps
Iron	57-2	759088	749524	729136	745916	2.05	cps

LB Number :	LB125034	Operator :	Jaswal
Lab Sample ID :	PB152017BS	Instrumnet Name :	P8
Client Sample ID :	PB152017BS	Dilution Factor :	1
Date & Time Acquired :	2023-04-18 13:29:41	DataFile Name :	023LCS6.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Krypton	83-1	342	342	355	347	2.08	cps
Lead	206-1	7901252	7840346	8052076	7931225	1.37	cps
Lead	207-1	6902428	6973614	6818629	6898224	1.12	cps
Lead	208-1	31012177	31260172	31621484	31297944	0.98	cps
Lithium	6-1	3672545	3816693	3843570	3777603	2.43	cps
Magnesium	24-2	6520051	6439497	6428778	6462775	0.77	cps
Manganese	55-2	4168629	4040785	4024687	4078034	1.93	cps
Molybdenum	94-1	8695100	9017419	9118258	8943592	2.47	cps
Molybdenum	95-1	12663386	13095360	13265697	13008148	2.39	cps
Molybdenum	96-1	14230477	14168057	14130457	14176330	0.36	cps
Molybdenum	97-1	8087943	8105710	7905926	8033193	1.38	cps
Molybdenum	98-1	20954240	21125468	20833610	20971106	0.70	cps
Neodymium	150-1	347	300	260	302	14.35	cps
Neodymium	150-2	17	13	23	18	28.64	cps
Nickel	60-2	336431	331599	321511	329847	2.31	cps
Phosphorus	31-2	28078	28186	27326	27864	1.68	cps
Potassium	39-2	2385445	2339979	2347060	2357494	1.04	cps
Rhodium	103-1	7384380	7248687	7264245	7299104	1.02	cps
Rhodium	103-2	3487136	3534989	3552387	3524837	0.96	cps
Scandium	45-1	6146403	6063304	6015867	6075191	1.09	cps
Scandium	45-2	205501	207367	210076	207648	1.11	cps
Selenium	82-1	53582	53670	53876	53710	0.28	cps
Selenium	77-2	1743	1827	1837	1802	2.84	cps
Selenium	78-2	6355	6123	5967	6148	3.18	cps
Silicon	28-1	3561499	3965543	4087303	3871448	7.11	cps
Silver	107-1	3128776	3181843	3111999	3140872	1.16	cps
Silver	109-1	2950388	2979565	2953705	2961219	0.54	cps
Sodium	23-2	11330751	11482886	11348249	11387295	0.73	cps
Strontium	86-1	19576818	19850700	19396868	19608128	1.17	cps
Strontium	88-1	170588354	169394091	169822904	169935116	0.36	cps
Sulfur	34-1	822049	827708	813501	821086	0.87	cps
Terbium	159-1	8975571	8780411	8848680	8868221	1.12	cps
Terbium	159-2	4253375	4360841	4419948	4344721	1.94	cps
Thallium	203-1	1965133	1906433	1944185	1938584	1.53	cps
Thallium	205-1	4481971	4483197	4532934	4499368	0.65	cps
Tin	118-1	1923493	1967178	1926993	1939222	1.25	cps

LB Number :	LB125034	Operator :	Jaswal
Lab Sample ID :	PB152017BS	Instrumnet Name :	P8
Client Sample ID :	PB152017BS	Dilution Factor :	1
Date & Time Acquired :	2023-04-18 13:29:41	DataFile Name :	023LCS6.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Titanium	47-1	4094154	4170183	4089768	4118035	1.10	cps
Uranium	238-1	5766645	5702835	5709888	5726456	0.61	cps
Vanadium	51-2	565778	553266	554626	557890	1.23	cps
Ytterbium	172-1	83	83	92	86	5.58	cps
Ytterbium	172-2	28	44	33	35	24.12	cps
Ytterbium	176-1	9429	9746	9829	9668	2.18	cps
Ytterbium	176-2	12751	12940	13474	13055	2.87	cps
Yttrium	89-1	13955178	13760018	14141013	13952070	1.37	cps
Yttrium	89-2	1747483	1746796	1759645	1751308	0.41	cps
Zinc	66-2	1249271	1236261	1190085	1225206	2.54	cps
Zirconium	90-1	4275616	4256151	4382297	4304688	1.58	cps
Zirconium	91-1	945896	951799	976231	957975	1.68	cps

LB Number :	LB125034	Operator :	Jaswal
Lab Sample ID :	O2224-02DLX5	Instrumnet Name :	P8
Client Sample ID :	OU3-FC-BACKFILL-01DI	Dilution Factor :	5
Date & Time Acquired :	2023-04-18 13:32:32	DataFile Name :	024AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	12465	12450	12204	12373	1.19	cps
Antimony	121-1	883	967	1175	1008	14.90	cps
Arsenic	75-2	59	57	68	61	9.55	cps
Barium	135-1	15200	15518	15042	15253	1.59	cps
Barium	137-1	25458	26042	26827	26109	2.63	cps
Beryllium	9-1	354	320	317	330	6.13	cps
Bismuth	209-1	4963608	5045402	4954696	4987902	1.00	cps
Bismuth	209-2	3009771	3052565	2962602	3008313	1.50	cps
Boron	10-1	30309	31976	33113	31799	4.43	cps
Boron	11-1	135335	144895	148445	142892	4.75	cps
Bromine	81-1	33157	31971	32514	32547	1.82	cps
Cadmium	111-1	657	682	662	667	2.01	cps
Cadmium	106-1	5818	6151	5885	5951	2.96	cps
Cadmium	108-1	42	29	38	36	17.62	cps
Calcium	43-1	1264673	1263424	1292342	1273480	1.28	cps
Calcium	44-1	20632304	20266251	20386585	20428380	0.91	cps
Carbon	12-1	4391599	4470185	4465524	4442436	0.99	cps
Carbon	12-2	52712	50830	51282	51608	1.90	cps
Chlorine	35-1	586919	578242	555410	573524	2.84	cps
Chlorine	35-2	3917	4251	4017	4062	4.21	cps
Chromium	52-2	760	857	740	786	7.94	cps
Cobalt	59-2	19540	18936	19083	19186	1.64	cps
Copper	63-2	8713	8813	8653	8726	0.93	cps
Dysprosium	156-1	2309	2075	2325	2236	6.25	cps
Dysprosium	156-2	1053	943	927	974	7.06	cps
Erbium	164-1	3601	3801	3742	3715	2.77	cps
Erbium	164-2	1620	1740	1560	1640	5.59	cps
Gadolinium	160-1	2134	2509	2442	2361	8.47	cps
Gadolinium	160-2	1247	1433	1277	1319	7.60	cps
Holmium	165-1	8335316	8536633	8259130	8377026	1.71	cps
Holmium	165-2	4338593	4235798	4231993	4268795	1.42	cps
Indium	115-1	7341623	7622512	7432615	7465583	1.92	cps
Indium	115-2	1281843	1281700	1282040	1281861	0.01	cps
Iron	54-2	690699	678643	667792	679045	1.69	cps
Iron	56-2	13186047	13063771	12807117	13018978	1.49	cps
Iron	57-2	315998	304470	304894	308454	2.12	cps

LB Number :	LB125034	Operator :	Jaswal
Lab Sample ID :	O2224-02DLX5	Instrumnet Name :	P8
Client Sample ID :	OU3-FC-BACKFILL-01DI	Dilution Factor :	5
Date & Time Acquired :	2023-04-18 13:32:32	DataFile Name :	024AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Krypton	83-1	344	356	346	349	1.90	cps
Lead	206-1	1061	828	878	922	13.32	cps
Lead	207-1	789	706	817	770	7.51	cps
Lead	208-1	3995	3289	3450	3578	10.33	cps
Lithium	6-1	3647609	3713726	3755084	3705473	1.46	cps
Magnesium	24-2	351200	346644	348600	348815	0.66	cps
Manganese	55-2	424406	421397	409614	418472	1.87	cps
Molybdenum	94-1	1483	1267	1050	1267	17.11	cps
Molybdenum	95-1	2034	1767	1567	1789	13.09	cps
Molybdenum	96-1	2217	1984	2017	2072	6.09	cps
Molybdenum	97-1	1300	867	958	1042	21.92	cps
Molybdenum	98-1	3092	2534	2292	2639	15.55	cps
Neodymium	150-1	1960	1980	1847	1929	3.73	cps
Neodymium	150-2	640	597	670	636	5.80	cps
Nickel	60-2	2817	2770	2740	2776	1.39	cps
Phosphorus	31-2	292	233	250	258	11.63	cps
Potassium	39-2	66428	65256	62988	64891	2.70	cps
Rhodium	103-1	7387923	7397439	7315181	7366848	0.61	cps
Rhodium	103-2	3518571	3528303	3440649	3495841	1.37	cps
Scandium	45-1	5926662	5986562	6051950	5988391	1.05	cps
Scandium	45-2	203295	199004	198074	200124	1.39	cps
Selenium	82-1	59	-20	19	19	205.44	cps
Selenium	77-2	3	0	7	3	100.05	cps
Selenium	78-2	69	71	61	67	7.90	cps
Silicon	28-1	13066919	13176616	12948216	13063917	0.87	cps
Silver	107-1	183	158	167	169	7.51	cps
Silver	109-1	167	67	142	125	41.63	cps
Sodium	23-2	4343938	4314231	4297945	4318705	0.54	cps
Strontium	86-1	182751	184186	181804	182914	0.66	cps
Strontium	88-1	1555541	1628856	1620783	1601727	2.51	cps
Sulfur	34-1	2295988	2282960	2223393	2267447	1.71	cps
Terbium	159-1	8726630	8835951	8782388	8781656	0.62	cps
Terbium	159-2	4347793	4262937	4155983	4255571	2.26	cps
Thallium	203-1	492	425	442	453	7.66	cps
Thallium	205-1	1075	925	883	961	10.49	cps
Tin	118-1	2159	1934	1942	2011	6.34	cps

LB Number :	LB125034	Operator :	Jaswal
Lab Sample ID :	O2224-02DLX5	Instrumnet Name :	P8
Client Sample ID :	OU3-FC-BACKFILL-01DI	Dilution Factor :	5
Date & Time Acquired :	2023-04-18 13:32:32	DataFile Name :	024AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Titanium	47-1	508	608	517	544	10.19	cps
Uranium	238-1	3251	3451	3401	3367	3.09	cps
Vanadium	51-2	2667	2760	2604	2677	2.94	cps
Ytterbium	172-1	1150	1275	1275	1233	5.85	cps
Ytterbium	172-2	611	700	728	680	8.97	cps
Ytterbium	176-1	2584	2525	2592	2567	1.42	cps
Ytterbium	176-2	8775	9026	9059	8953	1.73	cps
Yttrium	89-1	13880031	14118628	13897778	13965479	0.95	cps
Yttrium	89-2	1775111	1704698	1706505	1728771	2.32	cps
Zinc	66-2	28552	28028	27600	28060	1.70	cps
Zirconium	90-1	1033	875	883	931	9.58	cps
Zirconium	91-1	117	158	108	128	20.96	cps

LB Number :	LB125034	Operator :	Jaswal
Lab Sample ID :	O2224-04DLX5	Instrumnet Name :	P8
Client Sample ID :	OU3-FC-BACKFILL-02DI	Dilution Factor :	5
Date & Time Acquired :	2023-04-18 13:35:30	DataFile Name :	025AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	4080	3978	3905	3988	2.21	cps
Antimony	121-1	350	442	383	392	11.85	cps
Arsenic	75-2	43	49	40	44	10.43	cps
Barium	135-1	15668	15868	16711	16082	3.44	cps
Barium	137-1	28046	27946	28414	28135	0.87	cps
Beryllium	9-1	240	236	237	238	0.80	cps
Bismuth	209-1	4949106	5087325	5120649	5052360	1.80	cps
Bismuth	209-2	2983318	3104051	2934572	3007314	2.90	cps
Boron	10-1	26827	27761	29105	27898	4.10	cps
Boron	11-1	120052	128006	129758	125939	4.11	cps
Bromine	81-1	32606	34351	33048	33335	2.72	cps
Cadmium	111-1	676	698	626	667	5.54	cps
Cadmium	106-1	6068	6160	5776	6001	3.34	cps
Cadmium	108-1	38	25	38	33	21.65	cps
Calcium	43-1	1330865	1388909	1370707	1363494	2.18	cps
Calcium	44-1	21368415	21760431	21838628	21655825	1.16	cps
Carbon	12-1	4092022	4003594	4006856	4034158	1.24	cps
Carbon	12-2	46064	48481	47962	47502	2.68	cps
Chlorine	35-1	524741	517699	514116	518852	1.04	cps
Chlorine	35-2	3676	3784	3759	3739	1.52	cps
Chromium	52-2	627	663	553	614	9.12	cps
Cobalt	59-2	19353	18919	19106	19126	1.14	cps
Copper	63-2	4744	4517	4764	4675	2.93	cps
Dysprosium	156-1	1133	1275	1275	1228	6.66	cps
Dysprosium	156-2	540	493	523	519	4.56	cps
Erbium	164-1	2125	2017	2042	2061	2.75	cps
Erbium	164-2	1007	883	1017	969	7.67	cps
Gadolinium	160-1	1250	1392	1117	1253	10.98	cps
Gadolinium	160-2	687	740	737	721	4.14	cps
Holmium	165-1	8407070	8125244	8250990	8261102	1.71	cps
Holmium	165-2	4235318	4240989	4218915	4231741	0.27	cps
Indium	115-1	7378661	7313652	7588850	7427055	1.94	cps
Indium	115-2	1274921	1307230	1262209	1281453	1.81	cps
Iron	54-2	560810	540754	549065	550210	1.83	cps
Iron	56-2	10422529	10326806	10035134	10261490	1.97	cps
Iron	57-2	252959	247001	246547	248836	1.44	cps

LB Number :	LB125034	Operator :	Jaswal
Lab Sample ID :	O2224-04DLX5	Instrumnet Name :	P8
Client Sample ID :	OU3-FC-BACKFILL-02DI	Dilution Factor :	5
Date & Time Acquired :	2023-04-18 13:35:30	DataFile Name :	025AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Krypton	83-1	391	356	336	361	7.71	cps
Lead	206-1	544	483	611	546	11.70	cps
Lead	207-1	511	550	483	515	6.50	cps
Lead	208-1	2356	2300	2295	2317	1.46	cps
Lithium	6-1	3811216	3714206	3791069	3772163	1.36	cps
Magnesium	24-2	335757	328359	321887	328668	2.11	cps
Manganese	55-2	435869	431730	427594	431731	0.96	cps
Molybdenum	94-1	783	875	800	819	5.96	cps
Molybdenum	95-1	1125	1267	1033	1142	10.30	cps
Molybdenum	96-1	1283	1225	1242	1250	2.40	cps
Molybdenum	97-1	842	717	583	714	18.10	cps
Molybdenum	98-1	1850	1483	1567	1633	11.77	cps
Neodymium	150-1	920	1020	747	896	15.44	cps
Neodymium	150-2	317	347	313	326	5.64	cps
Nickel	60-2	2624	2630	2657	2637	0.67	cps
Phosphorus	31-2	308	200	192	233	27.90	cps
Potassium	39-2	68546	67198	67826	67857	0.99	cps
Rhodium	103-1	7243672	7310030	7590334	7381345	2.49	cps
Rhodium	103-2	3422183	3473204	3398362	3431250	1.11	cps
Scandium	45-1	5960963	5856236	5954114	5923771	0.99	cps
Scandium	45-2	202019	203607	197991	201206	1.44	cps
Selenium	82-1	-30	41	45	19	225.39	cps
Selenium	77-2	0	3	3	2	86.60	cps
Selenium	78-2	65	60	60	62	4.68	cps
Silicon	28-1	12014524	11929913	11959222	11967886	0.36	cps
Silver	107-1	133	225	175	178	25.82	cps
Silver	109-1	117	117	58	97	34.64	cps
Sodium	23-2	5249507	5038910	5109093	5132504	2.09	cps
Strontium	86-1	196672	200368	201194	199411	1.21	cps
Strontium	88-1	1770371	1775976	1778380	1774909	0.23	cps
Sulfur	34-1	2370528	2389780	2347040	2369116	0.90	cps
Terbium	159-1	8833177	8957928	8693611	8828239	1.50	cps
Terbium	159-2	4257828	4313559	4318979	4296788	0.79	cps
Thallium	203-1	500	392	392	428	14.62	cps
Thallium	205-1	858	800	817	825	3.64	cps
Tin	118-1	683	825	533	681	21.43	cps

LB Number :	LB125034	Operator :	Jaswal
Lab Sample ID :	O2224-04DLX5	Instrumnet Name :	P8
Client Sample ID :	OU3-FC-BACKFILL-02DI	Dilution Factor :	5
Date & Time Acquired :	2023-04-18 13:35:30	DataFile Name :	025AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Titanium	47-1	375	392	542	436	21.05	cps
Uranium	238-1	2400	2692	2384	2492	6.96	cps
Vanadium	51-2	2300	2067	2284	2217	5.87	cps
Ytterbium	172-1	717	858	825	800	9.26	cps
Ytterbium	172-2	411	422	400	411	2.70	cps
Ytterbium	176-1	2275	2084	2142	2167	4.53	cps
Ytterbium	176-2	8864	9176	8559	8866	3.48	cps
Yttrium	89-1	14092066	13811925	14093859	13999283	1.16	cps
Yttrium	89-2	1684215	1689490	1700378	1691361	0.49	cps
Zinc	66-2	29173	28318	28255	28582	1.79	cps
Zirconium	90-1	675	583	783	681	14.71	cps
Zirconium	91-1	108	133	158	133	18.75	cps

LB Number :	LB125034	Operator :	Jaswal
Lab Sample ID :	O2224-06DLX5	Instrumnet Name :	P8
Client Sample ID :	OU3-FC-BACKFILL-03DI	Dilution Factor :	5
Date & Time Acquired :	2023-04-18 13:38:30	DataFile Name :	026AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	1212	1132	1150	1165	3.61	cps
Antimony	121-1	233	325	225	261	21.25	cps
Arsenic	75-2	38	33	47	39	18.04	cps
Barium	135-1	16786	16644	16736	16722	0.43	cps
Barium	137-1	29717	30059	28188	29321	3.40	cps
Beryllium	9-1	182	184	191	186	2.55	cps
Bismuth	209-1	5060295	4643760	4923111	4875722	4.35	cps
Bismuth	209-2	2886496	2928186	2892646	2902443	0.78	cps
Boron	10-1	24952	27084	27254	26430	4.85	cps
Boron	11-1	112666	119764	120111	117514	3.58	cps
Bromine	81-1	34260	33458	35095	34271	2.39	cps
Cadmium	111-1	573	617	659	617	6.96	cps
Cadmium	106-1	5118	5868	5685	5557	7.04	cps
Cadmium	108-1	25	46	25	32	37.65	cps
Calcium	43-1	1513765	1545808	1459939	1506504	2.88	cps
Calcium	44-1	23496000	23760799	22944741	23400513	1.78	cps
Carbon	12-1	4690925	4681139	4704525	4692196	0.25	cps
Carbon	12-2	54987	54510	53473	54323	1.43	cps
Chlorine	35-1	474160	466816	460974	467317	1.41	cps
Chlorine	35-2	3209	3384	3767	3453	8.27	cps
Chromium	52-2	660	690	690	680	2.55	cps
Cobalt	59-2	21483	20749	20438	20890	2.57	cps
Copper	63-2	2840	3007	2724	2857	4.99	cps
Dysprosium	156-1	592	708	742	681	11.57	cps
Dysprosium	156-2	343	270	280	298	13.35	cps
Erbium	164-1	1267	1267	1250	1261	0.76	cps
Erbium	164-2	583	580	567	577	1.53	cps
Gadolinium	160-1	792	667	683	714	9.51	cps
Gadolinium	160-2	390	443	470	434	9.38	cps
Holmium	165-1	8298362	7906888	8138774	8114675	2.43	cps
Holmium	165-2	4176763	4218805	4190303	4195290	0.51	cps
Indium	115-1	7581101	6938335	7316344	7278594	4.44	cps
Indium	115-2	1256799	1274082	1290087	1273656	1.31	cps
Iron	54-2	449527	437505	430096	439043	2.23	cps
Iron	56-2	8556752	8404703	8110392	8357282	2.72	cps
Iron	57-2	207493	202413	199643	203183	1.96	cps

LB Number :	LB125034	Operator :	Jaswal
Lab Sample ID :	O2224-06DLX5	Instrumnet Name :	P8
Client Sample ID :	OU3-FC-BACKFILL-03DI	Dilution Factor :	5
Date & Time Acquired :	2023-04-18 13:38:30	DataFile Name :	026AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Krypton	83-1	329	384	342	352	8.14	cps
Lead	206-1	550	517	578	548	5.58	cps
Lead	207-1	556	461	467	494	10.72	cps
Lead	208-1	2295	2122	2050	2156	5.83	cps
Lithium	6-1	3748208	3526727	3646951	3640629	3.05	cps
Magnesium	24-2	351447	345809	346727	347994	0.87	cps
Manganese	55-2	490094	477079	463311	476828	2.81	cps
Molybdenum	94-1	883	692	783	786	12.19	cps
Molybdenum	95-1	1208	983	1175	1122	10.82	cps
Molybdenum	96-1	1567	1317	1492	1458	8.80	cps
Molybdenum	97-1	783	642	608	678	13.71	cps
Molybdenum	98-1	1775	1909	1809	1831	3.79	cps
Neodymium	150-1	413	620	520	518	19.96	cps
Neodymium	150-2	187	117	160	154	22.87	cps
Nickel	60-2	2857	2587	2720	2721	4.96	cps
Phosphorus	31-2	200	283	258	247	17.30	cps
Potassium	39-2	72340	70790	71829	71653	1.10	cps
Rhodium	103-1	7286085	6785090	7123742	7064972	3.62	cps
Rhodium	103-2	3447423	3513601	3494278	3485100	0.98	cps
Scandium	45-1	5990253	5577647	5770161	5779354	3.57	cps
Scandium	45-2	199812	197654	201332	199599	0.93	cps
Selenium	82-1	28	-10	38	18	136.59	cps
Selenium	77-2	0	0	0	0	0.00	cps
Selenium	78-2	56	57	55	56	1.79	cps
Silicon	28-1	11919178	12017750	11896979	11944636	0.54	cps
Silver	107-1	158	117	100	125	24.04	cps
Silver	109-1	100	117	33	83	52.92	cps
Sodium	23-2	6178875	6100668	6104353	6127965	0.72	cps
Strontium	86-1	229807	233498	230950	231418	0.82	cps
Strontium	88-1	2012786	2105405	2034898	2051030	2.36	cps
Sulfur	34-1	2548893	2540643	2455621	2515052	2.05	cps
Terbium	159-1	8889333	8303201	8594100	8595545	3.41	cps
Terbium	159-2	4224506	4304416	4346388	4291770	1.44	cps
Thallium	203-1	425	367	325	372	13.50	cps
Thallium	205-1	933	600	850	794	21.84	cps
Tin	118-1	575	558	608	581	4.39	cps

LB Number :	LB125034	Operator :	Jaswal
Lab Sample ID :	O2224-06DLX5	Instrumnet Name :	P8
Client Sample ID :	OU3-FC-BACKFILL-03DI	Dilution Factor :	5
Date & Time Acquired :	2023-04-18 13:38:30	DataFile Name :	026AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Titanium	47-1	483	433	342	419	17.13	cps
Uranium	238-1	2392	2609	2525	2509	4.36	cps
Vanadium	51-2	1503	1360	1497	1453	5.57	cps
Ytterbium	172-1	408	533	500	481	13.47	cps
Ytterbium	172-2	267	228	211	235	12.12	cps
Ytterbium	176-1	2234	1992	1809	2011	10.60	cps
Ytterbium	176-2	8703	9042	8609	8785	2.60	cps
Yttrium	89-1	13862384	13206855	13546141	13538460	2.42	cps
Yttrium	89-2	1655056	1708636	1700326	1688006	1.71	cps
Zinc	66-2	30252	30015	29153	29807	1.94	cps
Zirconium	90-1	575	558	650	594	8.21	cps
Zirconium	91-1	100	108	83	97	13.09	cps

LB Number :	LB125034	Operator :	Jaswal
Lab Sample ID :	O2224-08DLX5	Instrumnet Name :	P8
Client Sample ID :	OU3-FC-BACKFILL-04DI	Dilution Factor :	5
Date & Time Acquired :	2023-04-18 13:41:28	DataFile Name :	027AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	575	644	634	617	6.02	cps
Antimony	121-1	142	275	242	219	31.62	cps
Arsenic	75-2	27	30	21	26	17.63	cps
Barium	135-1	18163	18305	17570	18013	2.16	cps
Barium	137-1	30627	29591	31479	30566	3.09	cps
Beryllium	9-1	155	147	170	157	7.27	cps
Bismuth	209-1	5105873	4931946	4988019	5008613	1.77	cps
Bismuth	209-2	3005198	2902206	2929152	2945519	1.81	cps
Boron	10-1	31165	32435	33261	32287	3.27	cps
Boron	11-1	136404	143608	145538	141850	3.39	cps
Bromine	81-1	33391	33625	33140	33385	0.73	cps
Cadmium	111-1	676	650	631	652	3.40	cps
Cadmium	106-1	5818	5851	5993	5888	1.58	cps
Cadmium	108-1	21	21	38	26	36.47	cps
Calcium	43-1	1401329	1386823	1406256	1398136	0.72	cps
Calcium	44-1	22220659	22967051	22911375	22699695	1.83	cps
Carbon	12-1	4454900	4467761	4637848	4520170	2.26	cps
Carbon	12-2	51742	51625	53958	52441	2.51	cps
Chlorine	35-1	436898	431400	425270	431189	1.35	cps
Chlorine	35-2	3134	2917	3000	3017	3.62	cps
Chromium	52-2	560	617	603	593	4.99	cps
Cobalt	59-2	21393	20879	20328	20867	2.55	cps
Copper	63-2	3080	2930	3010	3007	2.50	cps
Dysprosium	156-1	433	600	458	497	18.08	cps
Dysprosium	156-2	197	267	270	244	16.94	cps
Erbium	164-1	1017	825	950	931	10.46	cps
Erbium	164-2	500	437	463	467	6.81	cps
Gadolinium	160-1	533	500	617	550	10.93	cps
Gadolinium	160-2	337	387	417	380	10.64	cps
Holmium	165-1	8318132	8207037	8204450	8243207	0.79	cps
Holmium	165-2	4160508	4115401	4259978	4178629	1.77	cps
Indium	115-1	7450969	7318557	7307896	7359141	1.08	cps
Indium	115-2	1258101	1259138	1277699	1264979	0.87	cps
Iron	54-2	399913	387110	377334	388119	2.92	cps
Iron	56-2	7591274	7310014	7023990	7308426	3.88	cps
Iron	57-2	182275	180701	175966	179647	1.83	cps

LB Number :	LB125034	Operator :	Jaswal
Lab Sample ID :	O2224-08DLX5	Instrumnet Name :	P8
Client Sample ID :	OU3-FC-BACKFILL-04DI	Dilution Factor :	5
Date & Time Acquired :	2023-04-18 13:41:28	DataFile Name :	027AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Krypton	83-1	362	361	370	365	1.30	cps
Lead	206-1	633	439	478	517	19.91	cps
Lead	207-1	567	483	411	487	15.98	cps
Lead	208-1	2217	1906	1728	1950	12.69	cps
Lithium	6-1	3868861	3671595	3774887	3771781	2.62	cps
Magnesium	24-2	330929	334950	323159	329679	1.82	cps
Manganese	55-2	463966	451382	438142	451163	2.86	cps
Molybdenum	94-1	700	717	875	764	12.64	cps
Molybdenum	95-1	1075	1092	892	1020	10.89	cps
Molybdenum	96-1	1217	1292	1167	1225	5.14	cps
Molybdenum	97-1	642	542	600	594	8.45	cps
Molybdenum	98-1	1475	1442	1425	1447	1.76	cps
Neodymium	150-1	313	360	367	347	8.38	cps
Neodymium	150-2	127	167	117	137	19.36	cps
Nickel	60-2	2757	2664	2514	2645	4.64	cps
Phosphorus	31-2	300	392	333	342	13.58	cps
Potassium	39-2	76612	77332	74450	76132	1.97	cps
Rhodium	103-1	7409061	7321292	7357525	7362626	0.60	cps
Rhodium	103-2	3472679	3405626	3398572	3425626	1.19	cps
Scandium	45-1	5937483	5829612	5929960	5899018	1.02	cps
Scandium	45-2	199946	201759	200819	200841	0.45	cps
Selenium	82-1	-13	21	-4	2	1050.89	cps
Selenium	77-2	10	3	0	4	114.60	cps
Selenium	78-2	63	54	72	63	14.28	cps
Silicon	28-1	11044334	11361490	11396081	11267301	1.72	cps
Silver	107-1	83	167	117	122	34.31	cps
Silver	109-1	83	108	67	86	24.35	cps
Sodium	23-2	5894410	5864846	5743012	5834089	1.38	cps
Strontium	86-1	216147	216452	217298	216633	0.28	cps
Strontium	88-1	1852352	1900158	1904893	1885801	1.54	cps
Sulfur	34-1	2351165	2381448	2384636	2372416	0.78	cps
Terbium	159-1	8933214	8640320	8783548	8785694	1.67	cps
Terbium	159-2	4195399	4168045	4227827	4197090	0.71	cps
Thallium	203-1	258	350	250	286	19.39	cps
Thallium	205-1	692	567	642	633	9.94	cps
Tin	118-1	483	683	558	575	17.57	cps

LB Number :	LB125034	Operator :	Jaswal
Lab Sample ID :	O2224-08DLX5	Instrumnet Name :	P8
Client Sample ID :	OU3-FC-BACKFILL-04DI	Dilution Factor :	5
Date & Time Acquired :	2023-04-18 13:41:28	DataFile Name :	027AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Titanium	47-1	517	625	433	525	18.31	cps
Uranium	238-1	2434	2109	2167	2236	7.75	cps
Vanadium	51-2	850	690	907	816	13.78	cps
Ytterbium	172-1	350	358	342	350	2.38	cps
Ytterbium	172-2	189	156	156	167	11.55	cps
Ytterbium	176-1	1992	2225	2059	2092	5.75	cps
Ytterbium	176-2	8692	8825	8948	8822	1.45	cps
Yttrium	89-1	13905212	13674691	13927070	13835658	1.01	cps
Yttrium	89-2	1678214	1632864	1657642	1656240	1.37	cps
Zinc	66-2	48744	47392	45429	47188	3.53	cps
Zirconium	90-1	617	433	650	567	20.59	cps
Zirconium	91-1	75	83	50	69	24.98	cps

LB Number :	LB125034	Operator :	Jaswal
Lab Sample ID :	O2224-10DLX5	Instrumnet Name :	P8
Client Sample ID :	OU3-FC-BACKFILL-05DI	Dilution Factor :	5
Date & Time Acquired :	2023-04-18 13:44:28	DataFile Name :	028AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	2569	2534	2574	2559	0.85	cps
Antimony	121-1	158	283	217	219	28.50	cps
Arsenic	75-2	35	35	40	37	7.87	cps
Barium	135-1	15117	15284	15901	15434	2.68	cps
Barium	137-1	25349	25817	25625	25597	0.92	cps
Beryllium	9-1	157	165	151	158	4.36	cps
Bismuth	209-1	4775882	4736304	5133255	4881814	4.48	cps
Bismuth	209-2	3028615	2899703	3002281	2976866	2.29	cps
Boron	10-1	24828	26382	26294	25835	3.38	cps
Boron	11-1	109591	114999	116321	113637	3.14	cps
Bromine	81-1	33115	33508	31453	32692	3.34	cps
Cadmium	111-1	592	676	595	621	7.66	cps
Cadmium	106-1	5568	6193	5726	5829	5.58	cps
Cadmium	108-1	21	8	33	21	60.01	cps
Calcium	43-1	1349573	1411635	1359990	1373732	2.42	cps
Calcium	44-1	21443003	22616271	21630633	21896635	2.88	cps
Carbon	12-1	4607093	4822033	4833828	4754318	2.68	cps
Carbon	12-2	57555	56057	56442	56685	1.37	cps
Chlorine	35-1	416705	411251	408088	412015	1.06	cps
Chlorine	35-2	3125	2975	3025	3042	2.51	cps
Chromium	52-2	627	597	607	610	2.50	cps
Cobalt	59-2	21463	21553	20592	21203	2.50	cps
Copper	63-2	3787	3747	3711	3748	1.02	cps
Dysprosium	156-1	608	775	800	728	14.32	cps
Dysprosium	156-2	337	283	290	303	9.58	cps
Erbium	164-1	1467	1467	1300	1411	6.82	cps
Erbium	164-2	683	610	643	646	5.69	cps
Gadolinium	160-1	825	892	883	867	4.19	cps
Gadolinium	160-2	463	563	543	523	10.11	cps
Holmium	165-1	8221453	8006642	8253269	8160455	1.64	cps
Holmium	165-2	4056716	4204932	4271911	4177853	2.64	cps
Indium	115-1	7296620	7301375	7501132	7366376	1.58	cps
Indium	115-2	1264896	1287994	1295345	1282745	1.24	cps
Iron	54-2	481303	474461	466709	474158	1.54	cps
Iron	56-2	9071073	9039868	8873047	8994663	1.18	cps
Iron	57-2	221799	216815	216308	218307	1.39	cps

LB Number :	LB125034	Operator :	Jaswal
Lab Sample ID :	O2224-10DLX5	Instrumnet Name :	P8
Client Sample ID :	OU3-FC-BACKFILL-05DI	Dilution Factor :	5
Date & Time Acquired :	2023-04-18 13:44:28	DataFile Name :	028AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Krypton	83-1	312	351	311	325	7.00	cps
Lead	206-1	772	578	700	683	14.38	cps
Lead	207-1	622	617	522	587	9.57	cps
Lead	208-1	2800	2706	2533	2680	5.05	cps
Lithium	6-1	3735928	3761532	3814033	3770498	1.06	cps
Magnesium	24-2	345448	336472	331382	337768	2.11	cps
Manganese	55-2	470360	463871	456618	463616	1.48	cps
Molybdenum	94-1	617	667	667	650	4.44	cps
Molybdenum	95-1	1017	983	900	967	6.22	cps
Molybdenum	96-1	1142	1142	925	1070	11.70	cps
Molybdenum	97-1	675	592	492	586	15.66	cps
Molybdenum	98-1	1150	1425	1350	1308	10.87	cps
Neodymium	150-1	453	640	640	578	18.65	cps
Neodymium	150-2	200	217	237	218	8.43	cps
Nickel	60-2	2677	2794	2820	2764	2.76	cps
Phosphorus	31-2	308	308	208	275	20.99	cps
Potassium	39-2	70590	69242	69777	69870	0.97	cps
Rhodium	103-1	7114928	6981270	7271194	7122464	2.04	cps
Rhodium	103-2	3424371	3428992	3539050	3464138	1.87	cps
Scandium	45-1	5806609	5732057	5924894	5821186	1.67	cps
Scandium	45-2	197069	201463	203869	200800	1.72	cps
Selenium	82-1	66	48	47	54	20.14	cps
Selenium	77-2	0	7	0	2	173.21	cps
Selenium	78-2	57	66	67	63	8.69	cps
Silicon	28-1	11478985	11908583	11511649	11633072	2.06	cps
Silver	107-1	125	167	92	128	29.41	cps
Silver	109-1	58	50	58	56	8.66	cps
Sodium	23-2	5747981	5628073	5450927	5608994	2.66	cps
Strontium	86-1	209617	214632	207359	210536	1.77	cps
Strontium	88-1	1824031	1886821	1789715	1833522	2.69	cps
Sulfur	34-1	2361320	2425196	2363551	2383356	1.52	cps
Terbium	159-1	8717800	8330381	8759323	8602501	2.75	cps
Terbium	159-2	4397356	4190910	4280219	4289495	2.41	cps
Thallium	203-1	233	308	267	269	13.95	cps
Thallium	205-1	625	675	683	661	4.77	cps
Tin	118-1	1000	1042	908	983	6.94	cps

LB Number :	LB125034	Operator :	Jaswal
Lab Sample ID :	O2224-10DLX5	Instrumnet Name :	P8
Client Sample ID :	OU3-FC-BACKFILL-05DI	Dilution Factor :	5
Date & Time Acquired :	2023-04-18 13:44:28	DataFile Name :	028AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Titanium	47-1	592	550	700	614	12.61	cps
Uranium	238-1	2292	2300	2134	2242	4.19	cps
Vanadium	51-2	1617	1547	1490	1551	4.09	cps
Ytterbium	172-1	642	508	600	583	11.69	cps
Ytterbium	172-2	317	317	228	287	17.88	cps
Ytterbium	176-1	1675	1917	2000	1864	9.06	cps
Ytterbium	176-2	8520	9120	9281	8974	4.47	cps
Yttrium	89-1	13643622	13600876	13685529	13643343	0.31	cps
Yttrium	89-2	1656197	1706888	1714166	1692417	1.87	cps
Zinc	66-2	29003	29588	29043	29211	1.12	cps
Zirconium	90-1	700	517	483	567	20.59	cps
Zirconium	91-1	75	158	58	97	55.11	cps

LB Number :	LB125034	Operator :	Jaswal
Lab Sample ID :	O2224-12DLX5	Instrumnet Name :	P8
Client Sample ID :	OU3-FC-BACKFILL-06DI	Dilution Factor :	5
Date & Time Acquired :	2023-04-18 13:47:26	DataFile Name :	029AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	791	869	842	834	4.73	cps
Antimony	121-1	183	175	167	175	4.76	cps
Arsenic	75-2	34	33	29	32	8.27	cps
Barium	135-1	14183	15134	14199	14505	3.75	cps
Barium	137-1	25082	25717	24431	25077	2.56	cps
Beryllium	9-1	141	132	119	131	8.67	cps
Bismuth	209-1	4971739	4774162	5118245	4954715	3.49	cps
Bismuth	209-2	2928225	2977129	2983023	2962792	1.02	cps
Boron	10-1	20845	22344	22609	21933	4.34	cps
Boron	11-1	92347	99287	100211	97282	4.42	cps
Bromine	81-1	33300	33767	33959	33675	1.01	cps
Cadmium	111-1	665	637	638	647	2.44	cps
Cadmium	106-1	6210	5718	5943	5957	4.13	cps
Cadmium	108-1	21	38	33	31	28.39	cps
Calcium	43-1	1225670	1276906	1229516	1244031	2.29	cps
Calcium	44-1	19430253	20364359	19758695	19851102	2.39	cps
Carbon	12-1	4250112	4177595	4276491	4234733	1.21	cps
Carbon	12-2	51365	50504	49885	50585	1.47	cps
Chlorine	35-1	390734	382597	378798	384043	1.59	cps
Chlorine	35-2	3025	2975	2825	2942	3.54	cps
Chromium	52-2	560	590	623	591	5.36	cps
Cobalt	59-2	18652	18168	18235	18352	1.43	cps
Copper	63-2	2360	2400	2344	2368	1.23	cps
Dysprosium	156-1	458	425	325	403	17.23	cps
Dysprosium	156-2	170	173	193	179	7.06	cps
Erbium	164-1	933	775	642	783	18.64	cps
Erbium	164-2	297	380	350	342	12.33	cps
Gadolinium	160-1	467	508	558	511	8.98	cps
Gadolinium	160-2	337	277	363	326	13.64	cps
Holmium	165-1	8136494	7841392	8217419	8065102	2.45	cps
Holmium	165-2	4171000	4320491	4240897	4244129	1.76	cps
Indium	115-1	7308415	7006053	7655451	7323306	4.44	cps
Indium	115-2	1292572	1274238	1291320	1286043	0.80	cps
Iron	54-2	323621	312288	314377	316762	1.90	cps
Iron	56-2	6154268	6000562	5952926	6035918	1.74	cps
Iron	57-2	151123	145675	142831	146543	2.88	cps

LB Number :	LB125034	Operator :	Jaswal
Lab Sample ID :	O2224-12DLX5	Instrumnet Name :	P8
Client Sample ID :	OU3-FC-BACKFILL-06DI	Dilution Factor :	5
Date & Time Acquired :	2023-04-18 13:47:26	DataFile Name :	029AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Krypton	83-1	356	356	367	360	1.80	cps
Lead	206-1	539	589	511	546	7.21	cps
Lead	207-1	494	533	472	500	6.19	cps
Lead	208-1	2178	2439	2122	2246	7.53	cps
Lithium	6-1	3741020	3619595	3803766	3721460	2.52	cps
Magnesium	24-2	301861	298011	288794	296222	2.27	cps
Manganese	55-2	411033	401360	400736	404376	1.43	cps
Molybdenum	94-1	533	508	592	544	7.86	cps
Molybdenum	95-1	992	1075	867	978	10.72	cps
Molybdenum	96-1	1075	950	1100	1042	7.72	cps
Molybdenum	97-1	725	542	475	581	22.30	cps
Molybdenum	98-1	1467	1542	1433	1481	3.75	cps
Neodymium	150-1	253	333	360	316	17.59	cps
Neodymium	150-2	83	107	137	109	24.56	cps
Nickel	60-2	2277	2260	2267	2268	0.37	cps
Phosphorus	31-2	275	200	242	239	15.73	cps
Potassium	39-2	67517	67274	64478	66423	2.54	cps
Rhodium	103-1	7291973	6888400	7450225	7210199	4.02	cps
Rhodium	103-2	3518379	3431670	3510153	3486734	1.37	cps
Scandium	45-1	5932584	5653097	5985706	5857129	3.05	cps
Scandium	45-2	200946	202670	203108	202241	0.57	cps
Selenium	82-1	0	-4	19	5	241.09	cps
Selenium	77-2	3	3	0	2	86.60	cps
Selenium	78-2	62	59	74	65	12.21	cps
Silicon	28-1	10146712	10588433	10236066	10323737	2.26	cps
Silver	107-1	108	83	92	94	13.48	cps
Silver	109-1	92	83	8	61	75.11	cps
Sodium	23-2	5648282	5551851	5382254	5527462	2.44	cps
Strontium	86-1	196841	199569	197180	197863	0.75	cps
Strontium	88-1	1693559	1742427	1705177	1713721	1.49	cps
Sulfur	34-1	2166831	2214053	2172311	2184398	1.18	cps
Terbium	159-1	8798326	8419068	8828753	8682049	2.63	cps
Terbium	159-2	4255820	4307464	4273321	4278868	0.61	cps
Thallium	203-1	225	283	233	247	12.76	cps
Thallium	205-1	550	642	608	600	7.73	cps
Tin	118-1	642	783	758	728	10.39	cps

LB Number :	LB125034	Operator :	Jaswal
Lab Sample ID :	O2224-12DLX5	Instrumnet Name :	P8
Client Sample ID :	OU3-FC-BACKFILL-06DI	Dilution Factor :	5
Date & Time Acquired :	2023-04-18 13:47:26	DataFile Name :	029AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Titanium	47-1	425	425	492	447	8.61	cps
Uranium	238-1	2150	2317	2050	2172	6.20	cps
Vanadium	51-2	1050	1080	1120	1083	3.24	cps
Ytterbium	172-1	300	292	317	303	4.20	cps
Ytterbium	172-2	167	156	150	157	5.39	cps
Ytterbium	176-1	1692	1984	1934	1870	8.34	cps
Ytterbium	176-2	8292	8564	8369	8408	1.67	cps
Yttrium	89-1	13357970	13134127	13907547	13466548	2.96	cps
Yttrium	89-2	1725203	1661590	1701573	1696122	1.90	cps
Zinc	66-2	26588	25740	25703	26011	1.92	cps
Zirconium	90-1	542	500	683	575	16.71	cps
Zirconium	91-1	117	58	142	106	40.52	cps

LB Number :	LB125034	Operator :	Jaswal
Lab Sample ID :	O2224-14DLX5	Instrumnet Name :	P8
Client Sample ID :	OU3-FC-BACKFILL-07DI	Dilution Factor :	5
Date & Time Acquired :	2023-04-18 13:50:28	DataFile Name :	030AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	777	720	706	735	5.15	cps
Antimony	121-1	192	158	175	175	9.52	cps
Arsenic	75-2	32	34	29	32	7.95	cps
Barium	135-1	13082	13832	13616	13510	2.86	cps
Barium	137-1	23738	23596	24465	23933	1.95	cps
Beryllium	9-1	166	125	141	144	14.41	cps
Bismuth	209-1	5087755	5160364	5176038	5141386	0.92	cps
Bismuth	209-2	2936149	2879597	2761900	2859216	3.11	cps
Boron	10-1	21662	22038	22062	21921	1.02	cps
Boron	11-1	93629	97541	99575	96915	3.12	cps
Bromine	81-1	34193	34385	34343	34307	0.29	cps
Cadmium	111-1	659	661	689	670	2.55	cps
Cadmium	106-1	6293	6210	6293	6265	0.77	cps
Cadmium	108-1	29	21	33	28	22.92	cps
Calcium	43-1	1371912	1348019	1348083	1356005	1.02	cps
Calcium	44-1	21807335	21184113	21163593	21385014	1.71	cps
Carbon	12-1	4766045	4818690	4950701	4845145	1.96	cps
Carbon	12-2	56258	54711	55747	55572	1.42	cps
Chlorine	35-1	379970	375379	371926	375758	1.07	cps
Chlorine	35-2	2792	2975	2942	2903	3.36	cps
Chromium	52-2	667	623	747	679	9.22	cps
Cobalt	59-2	19884	19881	19650	19805	0.68	cps
Copper	63-2	2230	2170	2080	2160	3.50	cps
Dysprosium	156-1	467	433	367	422	12.06	cps
Dysprosium	156-2	153	170	130	151	13.30	cps
Erbium	164-1	708	825	717	750	8.68	cps
Erbium	164-2	320	360	327	336	6.39	cps
Gadolinium	160-1	550	475	342	456	23.16	cps
Gadolinium	160-2	297	293	333	308	7.21	cps
Holmium	165-1	8601586	8446972	8635700	8561419	1.17	cps
Holmium	165-2	4163094	4269916	4031946	4154985	2.87	cps
Indium	115-1	7634594	7621701	7691873	7649389	0.49	cps
Indium	115-2	1301185	1284421	1222450	1269352	3.27	cps
Iron	54-2	317661	305401	308239	310434	2.07	cps
Iron	56-2	6082943	5942820	5865974	5963912	1.84	cps
Iron	57-2	150975	144256	142454	145895	3.08	cps

LB Number :	LB125034	Operator :	Jaswal
Lab Sample ID :	O2224-14DLX5	Instrumnet Name :	P8
Client Sample ID :	OU3-FC-BACKFILL-07DI	Dilution Factor :	5
Date & Time Acquired :	2023-04-18 13:50:28	DataFile Name :	030AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Krypton	83-1	356	322	364	347	6.32	cps
Lead	206-1	900	678	733	770	15.01	cps
Lead	207-1	883	722	556	720	22.75	cps
Lead	208-1	3856	2945	2845	3215	17.33	cps
Lithium	6-1	3728113	3790964	3737493	3752190	0.90	cps
Magnesium	24-2	320229	317401	314409	317346	0.92	cps
Manganese	55-2	458432	444143	442339	448305	1.97	cps
Molybdenum	94-1	933	742	683	786	16.64	cps
Molybdenum	95-1	1383	1183	1133	1233	10.73	cps
Molybdenum	96-1	1959	1017	1050	1342	39.85	cps
Molybdenum	97-1	742	642	675	686	7.42	cps
Molybdenum	98-1	2226	1342	1275	1614	32.87	cps
Neodymium	150-1	327	293	253	291	12.61	cps
Neodymium	150-2	107	123	77	102	23.14	cps
Nickel	60-2	2490	2380	2424	2431	2.28	cps
Phosphorus	31-2	233	242	350	275	23.67	cps
Potassium	39-2	71519	69484	70296	70433	1.45	cps
Rhodium	103-1	7369678	7395797	7684573	7483349	2.34	cps
Rhodium	103-2	3430060	3470264	3289425	3396583	2.80	cps
Scandium	45-1	6078630	5914592	6011586	6001603	1.37	cps
Scandium	45-2	203569	203154	190857	199193	3.63	cps
Selenium	82-1	15	93	19	42	103.85	cps
Selenium	77-2	0	3	3	2	86.60	cps
Selenium	78-2	66	62	75	68	9.84	cps
Silicon	28-1	10764486	10753292	10444734	10654171	1.70	cps
Silver	107-1	108	92	100	100	8.33	cps
Silver	109-1	50	33	83	56	45.83	cps
Sodium	23-2	6241308	6108062	6080959	6143443	1.40	cps
Strontium	86-1	219609	216565	214649	216941	1.15	cps
Strontium	88-1	1933585	1875950	1914917	1908150	1.54	cps
Sulfur	34-1	2325578	2309240	2269260	2301360	1.26	cps
Terbium	159-1	8752795	8896804	8982534	8877378	1.31	cps
Terbium	159-2	4140052	4271423	4108463	4173313	2.07	cps
Thallium	203-1	358	275	192	275	30.30	cps
Thallium	205-1	808	692	633	711	12.53	cps
Tin	118-1	1075	892	975	981	9.36	cps

LB Number :	LB125034	Operator :	Jaswal
Lab Sample ID :	O2224-14DLX5	Instrumnet Name :	P8
Client Sample ID :	OU3-FC-BACKFILL-07DI	Dilution Factor :	5
Date & Time Acquired :	2023-04-18 13:50:28	DataFile Name :	030AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Titanium	47-1	558	467	375	467	19.64	cps
Uranium	238-1	2642	2409	2259	2436	7.93	cps
Vanadium	51-2	900	770	827	832	7.83	cps
Ytterbium	172-1	283	433	392	369	20.96	cps
Ytterbium	172-2	122	133	156	137	12.38	cps
Ytterbium	176-1	2042	2017	1909	1989	3.56	cps
Ytterbium	176-2	8636	8664	8603	8634	0.35	cps
Yttrium	89-1	14236685	13999503	14112016	14116068	0.84	cps
Yttrium	89-2	1724986	1677002	1642029	1681339	2.48	cps
Zinc	66-2	25917	25363	26642	25974	2.47	cps
Zirconium	90-1	600	600	675	625	6.93	cps
Zirconium	91-1	125	83	92	100	22.04	cps

LB Number : LB125034 Operator : Jaswal
 Lab Sample ID : CCV28 Instrumnet Name : P8
 Client Sample ID : CCV28 Dilution Factor : 1
 Date & Time Acquired : 2023-04-18 13:56:22 DataFile Name : 031CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	2443772	2366172	2326256	2378733	2.51	cps
Antimony	121-1	2111425	2129623	2099243	2113430	0.72	cps
Arsenic	75-2	72261	70385	70131	70925	1.64	cps
Barium	135-1	2637997	2692428	2742163	2690863	1.94	cps
Barium	137-1	4412883	4563328	4605505	4527239	2.24	cps
Beryllium	9-1	831188	838671	839157	836339	0.53	cps
Bismuth	209-1	4891566	4692524	4847650	4810580	2.17	cps
Bismuth	209-2	2758826	2870372	2791921	2807040	2.04	cps
Boron	10-1	100288	106098	108328	104905	3.96	cps
Boron	11-1	446096	466287	474617	462334	3.17	cps
Bromine	81-1	34142	32848	32005	32998	3.26	cps
Cadmium	111-1	582584	578739	586171	582498	0.64	cps
Cadmium	106-1	75340	73949	75248	74846	1.04	cps
Cadmium	108-1	48138	49434	49606	49059	1.64	cps
Calcium	43-1	4199002	4313486	4347215	4286567	1.81	cps
Calcium	44-1	66739765	67540850	66982730	67087782	0.61	cps
Carbon	12-1	5696452	5722855	5817213	5745507	1.10	cps
Carbon	12-2	69046	69640	67966	68884	1.23	cps
Chlorine	35-1	377344	375781	375517	376214	0.26	cps
Chlorine	35-2	2725	2734	2342	2600	8.61	cps
Chromium	52-2	720972	708914	690033	706639	2.21	cps
Cobalt	59-2	1238598	1194819	1171359	1201592	2.84	cps
Copper	63-2	10508468	10086502	9888837	10161269	3.11	cps
Dysprosium	156-1	558	500	442	500	11.67	cps
Dysprosium	156-2	203	230	263	232	12.95	cps
Erbium	164-1	117	83	58	86	33.99	cps
Erbium	164-2	37	50	30	39	26.18	cps
Gadolinium	160-1	542	567	542	550	2.62	cps
Gadolinium	160-2	420	373	380	391	6.45	cps
Holmium	165-1	8732343	8358667	8417724	8502912	2.36	cps
Holmium	165-2	4238625	4397148	4253032	4296268	2.04	cps
Indium	115-1	7246578	7433732	7367691	7349334	1.29	cps
Indium	115-2	1274718	1283957	1251628	1270101	1.31	cps
Iron	54-2	8350230	8085544	8012373	8149382	2.18	cps
Iron	56-2	152300287	148869659	146566564	149245503	1.93	cps
Iron	57-2	3854558	3715106	3655580	3741748	2.73	cps

LB Number :	LB125034	Operator :	Jaswal
Lab Sample ID :	CCV28	Instrumnet Name :	P8
Client Sample ID :	CCV28	Dilution Factor :	1
Date & Time Acquired :	2023-04-18 13:56:22	DataFile Name :	031CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Krypton	83-1	332	296	306	312	6.01	cps
Lead	206-1	7778565	7795098	7572677	7715447	1.61	cps
Lead	207-1	6777250	6742257	6632856	6717454	1.12	cps
Lead	208-1	31022563	30737734	30711190	30823829	0.56	cps
Lithium	6-1	3787031	3706130	3825124	3772762	1.61	cps
Magnesium	24-2	31623322	30193135	29786560	30534339	3.16	cps
Manganese	55-2	4188393	4057121	3998318	4081278	2.38	cps
Molybdenum	94-1	9085107	9181374	9178411	9148297	0.60	cps
Molybdenum	95-1	13493808	13485881	13277248	13418979	0.92	cps
Molybdenum	96-1	14470127	14836690	14170423	14492413	2.30	cps
Molybdenum	97-1	8227322	8175399	8083654	8162125	0.89	cps
Molybdenum	98-1	21499067	21186546	21282386	21322666	0.75	cps
Neodymium	150-1	307	287	380	324	15.14	cps
Neodymium	150-2	33	20	33	29	26.64	cps
Nickel	60-2	332829	322600	315839	323756	2.64	cps
Phosphorus	31-2	29856	27668	27368	28298	4.80	cps
Potassium	39-2	11682736	11313328	11286550	11427538	1.94	cps
Rhodium	103-1	7349413	6987620	7039875	7125636	2.74	cps
Rhodium	103-2	3355323	3455264	3375976	3395521	1.55	cps
Scandium	45-1	6110909	6003530	6208605	6107682	1.68	cps
Scandium	45-2	208292	209447	204038	207259	1.37	cps
Selenium	82-1	52330	52932	52254	52505	0.71	cps
Selenium	77-2	1887	1823	1793	1835	2.60	cps
Selenium	78-2	6171	6137	6085	6131	0.71	cps
Silicon	28-1	3469259	3717491	3823971	3670240	4.96	cps
Silver	107-1	3267474	3206450	3206036	3226653	1.10	cps
Silver	109-1	3054901	2954710	3101276	3036962	2.47	cps
Sodium	23-2	52966868	52232921	51312102	52170630	1.59	cps
Strontium	86-1	19679681	20806745	20166716	20217714	2.80	cps
Strontium	88-1	171706962	175545258	174125112	173792444	1.12	cps
Sulfur	34-1	821108	816890	819999	819332	0.27	cps
Terbium	159-1	9044928	8859269	8993359	8965852	1.07	cps
Terbium	159-2	4326242	4312446	4314234	4317640	0.17	cps
Thallium	203-1	1945928	1845632	1860211	1883924	2.88	cps
Thallium	205-1	4485880	4427846	4322989	4412238	1.87	cps
Tin	118-1	1925904	1949346	1949611	1941621	0.70	cps

LB Number :	LB125034	Operator :	Jaswal
Lab Sample ID :	CCV28	Instrumnet Name :	P8
Client Sample ID :	CCV28	Dilution Factor :	1
Date & Time Acquired :	2023-04-18 13:56:22	DataFile Name :	031CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Titanium	47-1	4129584	4130409	4268636	4176209	1.92	cps
Uranium	238-1	5851856	5848882	5955026	5885254	1.03	cps
Vanadium	51-2	580182	560740	556143	565688	2.26	cps
Ytterbium	172-1	258	292	308	286	8.90	cps
Ytterbium	172-2	139	106	111	119	15.07	cps
Ytterbium	176-1	9420	9821	9103	9448	3.80	cps
Ytterbium	176-2	12095	13079	12300	12491	4.16	cps
Yttrium	89-1	14148233	14503160	13706877	14119423	2.83	cps
Yttrium	89-2	1725091	1781118	1729989	1745399	1.78	cps
Zinc	66-2	1248266	1208167	1180496	1212310	2.81	cps
Zirconium	90-1	4473521	4514303	4400431	4462751	1.29	cps
Zirconium	91-1	965167	988734	985446	979782	1.30	cps

LB Number :	LB125034	Operator :	Jaswal
Lab Sample ID :	CCB28	Instrumnet Name :	P8
Client Sample ID :	CCB28	Dilution Factor :	1
Date & Time Acquired :	2023-04-18 14:02:59	DataFile Name :	032CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	85	85	80	83	3.46	cps
Antimony	121-1	267	325	475	356	30.23	cps
Arsenic	75-2	4	2	2	3	43.30	cps
Barium	135-1	58	17	17	31	78.71	cps
Barium	137-1	108	17	17	47	112.07	cps
Beryllium	9-1	195	212	184	197	7.35	cps
Bismuth	209-1	5015714	4982977	4907007	4968566	1.12	cps
Bismuth	209-2	2978312	3062282	3021026	3020540	1.39	cps
Boron	10-1	3158	3344	3190	3230	3.08	cps
Boron	11-1	13998	14044	14002	14015	0.18	cps
Bromine	81-1	33533	32765	33374	33224	1.22	cps
Cadmium	111-1	563	575	573	570	1.05	cps
Cadmium	106-1	5601	5685	5676	5654	0.81	cps
Cadmium	108-1	25	21	17	21	19.99	cps
Calcium	43-1	232	157	160	183	23.24	cps
Calcium	44-1	19670	18739	18919	19109	2.58	cps
Carbon	12-1	4755511	4732035	4727675	4738407	0.32	cps
Carbon	12-2	54251	53649	52277	53392	1.90	cps
Chlorine	35-1	336930	334926	332392	334749	0.68	cps
Chlorine	35-2	2717	2375	2559	2550	6.71	cps
Chromium	52-2	633	580	570	594	5.73	cps
Cobalt	59-2	63	90	83	79	17.59	cps
Copper	63-2	1147	1140	1237	1175	4.60	cps
Dysprosium	156-1	8	17	25	17	50.01	cps
Dysprosium	156-2	0	7	0	2	173.21	cps
Erbium	164-1	67	67	42	58	24.74	cps
Erbium	164-2	20	27	47	31	44.61	cps
Gadolinium	160-1	83	50	83	72	26.65	cps
Gadolinium	160-2	117	107	113	112	4.54	cps
Holmium	165-1	8186254	8290711	8209642	8228869	0.67	cps
Holmium	165-2	4320842	4260218	4179811	4253624	1.66	cps
Indium	115-1	7502426	7564466	7381760	7482884	1.24	cps
Indium	115-2	1302123	1318579	1287982	1302895	1.18	cps
Iron	54-2	661	1039	872	857	22.08	cps
Iron	56-2	4768	4856	4895	4840	1.35	cps
Iron	57-2	239	222	194	219	10.27	cps

LB Number :	LB125034	Operator :	Jaswal
Lab Sample ID :	CCB28	Instrumnet Name :	P8
Client Sample ID :	CCB28	Dilution Factor :	1
Date & Time Acquired :	2023-04-18 14:02:59	DataFile Name :	032CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Krypton	83-1	326	331	342	333	2.50	cps
Lead	206-1	600	439	500	513	15.86	cps
Lead	207-1	450	400	450	433	6.66	cps
Lead	208-1	2033	1772	1900	1902	6.87	cps
Lithium	6-1	3660244	3749210	3597632	3669029	2.08	cps
Magnesium	24-2	433	417	367	406	8.56	cps
Manganese	55-2	97	83	80	87	10.18	cps
Molybdenum	94-1	533	425	267	408	32.84	cps
Molybdenum	95-1	642	350	308	433	41.91	cps
Molybdenum	96-1	667	492	442	533	22.15	cps
Molybdenum	97-1	317	142	200	219	40.61	cps
Molybdenum	98-1	900	592	392	628	40.79	cps
Neodymium	150-1	7	13	27	16	65.47	cps
Neodymium	150-2	0	0	3	1	173.21	cps
Nickel	60-2	53	63	87	68	25.24	cps
Phosphorus	31-2	317	308	267	297	9.01	cps
Potassium	39-2	32354	32579	32329	32420	0.43	cps
Rhodium	103-1	7285486	7543933	7423747	7417722	1.74	cps
Rhodium	103-2	3608046	3580164	3570992	3586401	0.54	cps
Scandium	45-1	5872951	5915055	6053339	5947115	1.59	cps
Scandium	45-2	210578	206591	202203	206457	2.03	cps
Selenium	82-1	55	5	25	28	88.82	cps
Selenium	77-2	0	0	0	0	0.00	cps
Selenium	78-2	57	68	92	72	24.74	cps
Silicon	28-1	877536	871942	873029	874169	0.34	cps
Silver	107-1	142	133	192	156	20.28	cps
Silver	109-1	100	25	75	67	57.28	cps
Sodium	23-2	30124	30474	30349	30316	0.59	cps
Strontium	86-1	825	667	625	706	14.96	cps
Strontium	88-1	2225	542	717	1161	79.71	cps
Sulfur	34-1	471880	473672	470090	471881	0.38	cps
Terbium	159-1	8615660	8659812	8916133	8730535	1.86	cps
Terbium	159-2	4314982	4333431	4213612	4287342	1.50	cps
Thallium	203-1	242	383	267	297	25.44	cps
Thallium	205-1	617	617	567	600	4.81	cps
Tin	118-1	483	750	675	636	21.62	cps

LB Number :	LB125034	Operator :	Jaswal
Lab Sample ID :	CCB28	Instrumnet Name :	P8
Client Sample ID :	CCB28	Dilution Factor :	1
Date & Time Acquired :	2023-04-18 14:02:59	DataFile Name :	032CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Titanium	47-1	233	142	175	183	25.31	cps
Uranium	238-1	100	25	50	58	65.47	cps
Vanadium	51-2	0	13	10	8	89.21	cps
Ytterbium	172-1	42	33	50	42	20.00	cps
Ytterbium	172-2	33	39	50	41	20.83	cps
Ytterbium	176-1	1842	1734	1725	1767	3.68	cps
Ytterbium	176-2	8853	9092	9176	9040	1.85	cps
Yttrium	89-1	13509974	14474706	14004782	13996488	3.45	cps
Yttrium	89-2	1694407	1790155	1721750	1735437	2.84	cps
Zinc	66-2	130	170	107	136	23.63	cps
Zirconium	90-1	533	567	558	553	3.14	cps
Zirconium	91-1	58	117	125	100	36.33	cps

LB Number :	LB125034	Operator :	Jaswal
Lab Sample ID :	O2224-16DLX5	Instrumnet Name :	P8
Client Sample ID :	OU3-FC-BACKFILL-08DI	Dilution Factor :	5
Date & Time Acquired :	2023-04-18 14:13:42	DataFile Name :	033AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	476	452	411	447	7.36	cps
Antimony	121-1	142	200	108	150	30.93	cps
Arsenic	75-2	35	31	30	32	8.27	cps
Barium	135-1	15259	14283	14542	14694	3.44	cps
Barium	137-1	25024	25132	26201	25452	2.56	cps
Beryllium	9-1	139	145	149	144	3.50	cps
Bismuth	209-1	5190130	5029805	5123229	5114388	1.57	cps
Bismuth	209-2	3050396	2804063	2808779	2887746	4.88	cps
Boron	10-1	18606	20723	21307	20212	7.03	cps
Boron	11-1	83543	91983	95513	90347	6.81	cps
Bromine	81-1	31988	34685	34803	33825	4.71	cps
Cadmium	111-1	556	608	621	595	5.82	cps
Cadmium	106-1	5476	5610	5518	5535	1.23	cps
Cadmium	108-1	42	33	38	38	11.12	cps
Calcium	43-1	1311053	1339017	1331173	1327081	1.09	cps
Calcium	44-1	20832006	21496562	21088499	21139022	1.59	cps
Carbon	12-1	4434182	4444700	4400726	4426536	0.52	cps
Carbon	12-2	51633	52762	50521	51639	2.17	cps
Chlorine	35-1	289785	274587	274533	279635	3.14	cps
Chlorine	35-2	1775	2167	1992	1978	9.92	cps
Chromium	52-2	937	780	943	887	10.43	cps
Cobalt	59-2	19340	19136	18225	18900	3.14	cps
Copper	63-2	2080	1960	2010	2017	2.99	cps
Dysprosium	156-1	283	242	317	281	13.39	cps
Dysprosium	156-2	103	123	137	121	13.86	cps
Erbium	164-1	658	775	700	711	8.31	cps
Erbium	164-2	263	293	270	276	5.72	cps
Gadolinium	160-1	358	433	433	408	10.60	cps
Gadolinium	160-2	293	260	307	287	8.38	cps
Holmium	165-1	8372324	8388530	8346187	8369013	0.26	cps
Holmium	165-2	4249431	3970565	4026367	4082121	3.61	cps
Indium	115-1	7695771	7482834	7686628	7621744	1.58	cps
Indium	115-2	1304275	1205051	1231059	1246795	4.13	cps
Iron	54-2	257048	250093	249859	252333	1.62	cps
Iron	56-2	5050598	4713672	4700250	4821507	4.12	cps
Iron	57-2	120432	115016	115017	116822	2.68	cps

LB Number :	LB125034	Operator :	Jaswal
Lab Sample ID :	O2224-16DLX5	Instrumnet Name :	P8
Client Sample ID :	OU3-FC-BACKFILL-08DI	Dilution Factor :	5
Date & Time Acquired :	2023-04-18 14:13:42	DataFile Name :	033AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Krypton	83-1	362	377	327	356	7.21	cps
Lead	206-1	467	494	528	496	6.17	cps
Lead	207-1	550	450	494	498	10.06	cps
Lead	208-1	1889	2150	2145	2061	7.24	cps
Lithium	6-1	3794637	3709938	3754562	3753046	1.13	cps
Magnesium	24-2	318885	307537	308924	311782	1.99	cps
Manganese	55-2	446608	427758	425622	433329	2.67	cps
Molybdenum	94-1	675	775	717	722	6.96	cps
Molybdenum	95-1	1175	875	1108	1053	14.96	cps
Molybdenum	96-1	1108	1217	1233	1186	5.72	cps
Molybdenum	97-1	633	583	658	625	6.11	cps
Molybdenum	98-1	1525	1567	1500	1531	2.20	cps
Neodymium	150-1	267	240	220	242	9.66	cps
Neodymium	150-2	120	67	100	96	28.19	cps
Nickel	60-2	2354	2327	2304	2328	1.07	cps
Phosphorus	31-2	208	350	217	258	30.77	cps
Potassium	39-2	75012	71662	73421	73365	2.28	cps
Rhodium	103-1	7349430	7459673	7513912	7441005	1.13	cps
Rhodium	103-2	3560176	3251741	3416828	3409581	4.53	cps
Scandium	45-1	6115162	6039332	6121758	6092084	0.75	cps
Scandium	45-2	208243	190208	195246	197899	4.70	cps
Selenium	82-1	11	1	20	11	86.60	cps
Selenium	77-2	0	0	0	0	0.00	cps
Selenium	78-2	55	67	74	65	14.71	cps
Silicon	28-1	10447350	10494365	10488683	10476799	0.24	cps
Silver	107-1	117	100	125	114	11.18	cps
Silver	109-1	33	92	50	58	51.51	cps
Sodium	23-2	6432552	6325886	6357008	6371815	0.86	cps
Strontium	86-1	216158	217230	217061	216816	0.27	cps
Strontium	88-1	1931598	1885189	1917037	1911274	1.24	cps
Sulfur	34-1	2282563	2277756	2320954	2293757	1.03	cps
Terbium	159-1	9076170	8812234	9072960	8987121	1.69	cps
Terbium	159-2	4357209	3908277	4049228	4104905	5.59	cps
Thallium	203-1	267	208	258	244	12.91	cps
Thallium	205-1	508	417	592	506	17.31	cps
Tin	118-1	792	683	517	664	20.87	cps

LB Number :	LB125034	Operator :	Jaswal
Lab Sample ID :	O2224-16DLX5	Instrumnet Name :	P8
Client Sample ID :	OU3-FC-BACKFILL-08DI	Dilution Factor :	5
Date & Time Acquired :	2023-04-18 14:13:42	DataFile Name :	033AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Titanium	47-1	408	458	417	428	6.26	cps
Uranium	238-1	2484	2759	2625	2623	5.24	cps
Vanadium	51-2	680	723	690	698	3.25	cps
Ytterbium	172-1	258	200	208	222	14.20	cps
Ytterbium	172-2	139	178	111	143	23.49	cps
Ytterbium	176-1	1709	1942	1842	1831	6.40	cps
Ytterbium	176-2	8987	8253	8759	8666	4.33	cps
Yttrium	89-1	14672202	14263724	14430283	14455403	1.42	cps
Yttrium	89-2	1742818	1621012	1664675	1676168	3.68	cps
Zinc	66-2	28028	27323	26632	27328	2.55	cps
Zirconium	90-1	625	617	625	622	0.77	cps
Zirconium	91-1	108	33	67	69	54.12	cps

LB Number :	LB125034	Operator :	Jaswal
Lab Sample ID :	O2224-18DLX5	Instrumnet Name :	P8
Client Sample ID :	OU3-FC-BACKFILL-09DI	Dilution Factor :	5
Date & Time Acquired :	2023-04-18 14:16:39	DataFile Name :	034AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	2917	3005	2899	2940	1.93	cps
Antimony	121-1	92	167	175	144	31.77	cps
Arsenic	75-2	51	37	44	44	15.92	cps
Barium	135-1	15151	16118	14917	15395	4.14	cps
Barium	137-1	26243	26184	26093	26173	0.29	cps
Beryllium	9-1	124	135	134	131	4.71	cps
Bismuth	209-1	5006899	4951451	4968279	4975543	0.57	cps
Bismuth	209-2	2990927	2928935	2945335	2955066	1.09	cps
Boron	10-1	23522	24778	25623	24641	4.29	cps
Boron	11-1	103463	110955	114071	109496	4.98	cps
Bromine	81-1	33875	34126	32823	33608	2.06	cps
Cadmium	111-1	662	617	682	653	5.10	cps
Cadmium	106-1	6043	5952	6035	6010	0.84	cps
Cadmium	108-1	25	17	25	22	21.64	cps
Calcium	43-1	1388522	1423303	1405758	1405861	1.24	cps
Calcium	44-1	21702978	22505878	22324325	22177727	1.90	cps
Carbon	12-1	4721916	4770958	4820170	4771015	1.03	cps
Carbon	12-2	54895	55790	53916	54867	1.71	cps
Chlorine	35-1	275671	267800	262276	268582	2.51	cps
Chlorine	35-2	1742	1825	2134	1900	10.86	cps
Chromium	52-2	663	600	677	647	6.33	cps
Cobalt	59-2	21493	21503	21269	21422	0.62	cps
Copper	63-2	3904	3927	3841	3891	1.15	cps
Dysprosium	156-1	1083	983	950	1006	6.90	cps
Dysprosium	156-2	383	460	347	397	14.58	cps
Erbium	164-1	1533	1725	1683	1647	6.12	cps
Erbium	164-2	707	753	703	721	3.88	cps
Gadolinium	160-1	1033	900	1042	992	8.02	cps
Gadolinium	160-2	523	517	540	527	2.28	cps
Holmium	165-1	8613398	8294908	8260053	8389453	2.32	cps
Holmium	165-2	4201053	4303903	4221705	4242220	1.28	cps
Indium	115-1	7391493	7613911	7560059	7521821	1.54	cps
Indium	115-2	1306133	1297960	1278801	1294298	1.08	cps
Iron	54-2	554698	550752	529113	544855	2.53	cps
Iron	56-2	10423350	10168112	10132884	10241448	1.55	cps
Iron	57-2	249088	247344	246289	247574	0.57	cps

LB Number :	LB125034	Operator :	Jaswal
Lab Sample ID :	O2224-18DLX5	Instrumnet Name :	P8
Client Sample ID :	OU3-FC-BACKFILL-09DI	Dilution Factor :	5
Date & Time Acquired :	2023-04-18 14:16:39	DataFile Name :	034AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Krypton	83-1	340	376	321	346	8.09	cps
Lead	206-1	583	511	544	546	6.62	cps
Lead	207-1	411	494	444	450	9.32	cps
Lead	208-1	2000	2050	2050	2033	1.42	cps
Lithium	6-1	3682957	3754687	3667078	3701574	1.26	cps
Magnesium	24-2	361707	366627	359130	362488	1.05	cps
Manganese	55-2	458505	456366	442167	452346	1.96	cps
Molybdenum	94-1	617	708	575	633	10.77	cps
Molybdenum	95-1	883	883	875	881	0.55	cps
Molybdenum	96-1	1125	1242	1092	1153	6.83	cps
Molybdenum	97-1	583	492	567	547	8.92	cps
Molybdenum	98-1	1317	1100	1358	1258	11.02	cps
Neodymium	150-1	693	700	807	733	8.67	cps
Neodymium	150-2	170	237	290	232	25.89	cps
Nickel	60-2	2900	2917	2620	2813	5.93	cps
Phosphorus	31-2	175	167	200	181	9.61	cps
Potassium	39-2	70698	69769	70547	70338	0.71	cps
Rhodium	103-1	7384021	7359597	7331065	7358227	0.36	cps
Rhodium	103-2	3491109	3520532	3434190	3481944	1.26	cps
Scandium	45-1	6054574	6090882	5986408	6043955	0.88	cps
Scandium	45-2	206264	206665	202274	205068	1.18	cps
Selenium	82-1	11	-43	64	11	490.40	cps
Selenium	77-2	7	0	0	2	173.21	cps
Selenium	78-2	59	74	73	69	12.21	cps
Silicon	28-1	12081590	11955927	11908793	11982103	0.75	cps
Silver	107-1	83	92	150	108	33.53	cps
Silver	109-1	50	50	58	53	9.11	cps
Sodium	23-2	5564998	5519731	5324600	5469777	2.34	cps
Strontium	86-1	210411	214271	209017	211233	1.29	cps
Strontium	88-1	1844748	1891132	1818951	1851610	1.98	cps
Sulfur	34-1	2420358	2380470	2391114	2397314	0.86	cps
Terbium	159-1	8986197	8905018	8813122	8901445	0.97	cps
Terbium	159-2	4309252	4274489	4244889	4276210	0.75	cps
Thallium	203-1	217	117	175	169	29.65	cps
Thallium	205-1	542	517	358	472	21.05	cps
Tin	118-1	567	558	533	553	3.14	cps

LB Number :	LB125034	Operator :	Jaswal
Lab Sample ID :	O2224-18DLX5	Instrumnet Name :	P8
Client Sample ID :	OU3-FC-BACKFILL-09DI	Dilution Factor :	5
Date & Time Acquired :	2023-04-18 14:16:39	DataFile Name :	034AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Titanium	47-1	358	392	375	375	4.45	cps
Uranium	238-1	2175	2617	2534	2442	9.61	cps
Vanadium	51-2	1657	1723	1613	1665	3.33	cps
Ytterbium	172-1	625	758	692	692	9.64	cps
Ytterbium	172-2	289	294	294	293	1.10	cps
Ytterbium	176-1	2084	1892	1784	1920	7.91	cps
Ytterbium	176-2	8670	8842	9037	8849	2.07	cps
Yttrium	89-1	14324742	14364791	14009684	14233072	1.37	cps
Yttrium	89-2	1710991	1693428	1735556	1713325	1.24	cps
Zinc	66-2	29841	29644	28278	29255	2.91	cps
Zirconium	90-1	650	608	558	606	7.58	cps
Zirconium	91-1	75	100	75	83	17.32	cps

LB Number :	LB125034	Operator :	Jaswal
Lab Sample ID :	O2224-20DLX5	Instrumnet Name :	P8
Client Sample ID :	OU3-FC-BACKFILL-10DI	Dilution Factor :	5
Date & Time Acquired :	2023-04-18 14:19:39	DataFile Name :	035AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	24154	23625	23360	23713	1.71	cps
Antimony	121-1	192	150	83	142	38.57	cps
Arsenic	75-2	71	61	58	63	10.75	cps
Barium	135-1	15326	14975	15351	15217	1.38	cps
Barium	137-1	26159	26051	26519	26243	0.93	cps
Beryllium	9-1	170	170	155	165	5.25	cps
Bismuth	209-1	5258829	5083651	4903020	5081833	3.50	cps
Bismuth	209-2	2981959	3001177	3027906	3003680	0.77	cps
Boron	10-1	29185	30810	31591	30529	4.02	cps
Boron	11-1	127587	137437	143328	136117	5.84	cps
Bromine	81-1	32363	32973	34260	33198	2.92	cps
Cadmium	111-1	609	649	677	645	5.30	cps
Cadmium	106-1	5726	6177	6052	5985	3.88	cps
Cadmium	108-1	38	8	17	21	72.12	cps
Calcium	43-1	1308729	1276199	1282407	1289112	1.34	cps
Calcium	44-1	20544207	20841582	20602238	20662676	0.76	cps
Carbon	12-1	4650912	4649033	4657094	4652346	0.09	cps
Carbon	12-2	53440	53615	52269	53108	1.38	cps
Chlorine	35-1	267248	263729	264042	265006	0.73	cps
Chlorine	35-2	1850	1925	1950	1909	2.73	cps
Chromium	52-2	1773	1730	1763	1756	1.29	cps
Cobalt	59-2	19854	20331	19727	19971	1.60	cps
Copper	63-2	13577	13703	13033	13438	2.65	cps
Dysprosium	156-1	3150	3392	3601	3381	6.66	cps
Dysprosium	156-2	1573	1570	1490	1545	3.06	cps
Erbium	164-1	4659	4751	4693	4701	0.99	cps
Erbium	164-2	2334	2180	2060	2191	6.25	cps
Gadolinium	160-1	3351	3167	3734	3417	8.46	cps
Gadolinium	160-2	1897	1760	1773	1810	4.16	cps
Holmium	165-1	8600447	8371528	8492246	8488074	1.35	cps
Holmium	165-2	4234930	4346942	4312345	4298072	1.33	cps
Indium	115-1	7425991	7756199	7517872	7566687	2.25	cps
Indium	115-2	1306225	1279147	1301711	1295694	1.12	cps
Iron	54-2	823487	820968	806674	817043	1.11	cps
Iron	56-2	15901028	15650039	15282439	15611169	1.99	cps
Iron	57-2	385186	378559	363676	375807	2.93	cps

LB Number :	LB125034	Operator :	Jaswal
Lab Sample ID :	O2224-20DLX5	Instrumnet Name :	P8
Client Sample ID :	OU3-FC-BACKFILL-10DI	Dilution Factor :	5
Date & Time Acquired :	2023-04-18 14:19:39	DataFile Name :	035AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Krypton	83-1	321	367	399	362	10.76	cps
Lead	206-1	783	945	922	883	9.88	cps
Lead	207-1	750	856	822	809	6.67	cps
Lead	208-1	3267	3550	3484	3434	4.31	cps
Lithium	6-1	3785852	3731337	3781929	3766373	0.81	cps
Magnesium	24-2	401987	401993	387951	397310	2.04	cps
Manganese	55-2	421849	412531	407371	413917	1.77	cps
Molybdenum	94-1	583	742	767	697	14.26	cps
Molybdenum	95-1	600	475	617	564	13.73	cps
Molybdenum	96-1	833	983	850	889	9.25	cps
Molybdenum	97-1	267	258	300	275	8.02	cps
Molybdenum	98-1	725	750	658	711	6.66	cps
Neodymium	150-1	2700	2980	2780	2820	5.11	cps
Neodymium	150-2	953	1003	947	968	3.20	cps
Nickel	60-2	3340	3217	3447	3335	3.45	cps
Phosphorus	31-2	258	217	292	256	14.71	cps
Potassium	39-2	67508	66060	66562	66710	1.10	cps
Rhodium	103-1	7529539	7473279	7388026	7463615	0.95	cps
Rhodium	103-2	3516786	3523752	3484738	3508426	0.59	cps
Scandium	45-1	6067192	6263537	6077395	6136041	1.80	cps
Scandium	45-2	209603	202962	205034	205866	1.65	cps
Selenium	82-1	43	4	-28	6	561.07	cps
Selenium	77-2	7	10	7	8	24.71	cps
Selenium	78-2	65	55	67	62	10.31	cps
Silicon	28-1	14042173	14295438	13924478	14087363	1.35	cps
Silver	107-1	58	133	117	103	38.32	cps
Silver	109-1	42	50	83	58	37.80	cps
Sodium	23-2	3928093	3904936	3940349	3924459	0.46	cps
Strontium	86-1	172989	176574	177369	175644	1.33	cps
Strontium	88-1	1496363	1580988	1581657	1553003	3.16	cps
Sulfur	34-1	2270065	2317816	2306958	2298280	1.09	cps
Terbium	159-1	9114321	9103786	8960720	9059609	0.95	cps
Terbium	159-2	4429638	4362976	4303814	4365476	1.44	cps
Thallium	203-1	208	292	208	236	20.38	cps
Thallium	205-1	442	392	408	414	6.15	cps
Tin	118-1	1233	1325	1375	1311	5.48	cps

LB Number :	LB125034	Operator :	Jaswal
Lab Sample ID :	O2224-20DLX5	Instrumnet Name :	P8
Client Sample ID :	OU3-FC-BACKFILL-10DI	Dilution Factor :	5
Date & Time Acquired :	2023-04-18 14:19:39	DataFile Name :	035AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Titanium	47-1	592	558	533	561	5.22	cps
Uranium	238-1	4226	4251	4059	4179	2.49	cps
Vanadium	51-2	4561	4521	4407	4496	1.77	cps
Ytterbium	172-1	1458	1375	1592	1475	7.41	cps
Ytterbium	172-2	856	878	911	882	3.17	cps
Ytterbium	176-1	2809	2684	2675	2723	2.74	cps
Ytterbium	176-2	9231	9209	9209	9216	0.14	cps
Yttrium	89-1	14106343	14486055	14537057	14376485	1.64	cps
Yttrium	89-2	1734426	1696083	1736243	1722251	1.32	cps
Zinc	66-2	28729	28582	27160	28157	3.08	cps
Zirconium	90-1	958	1025	1083	1022	6.12	cps
Zirconium	91-1	175	192	100	156	31.39	cps

LB Number :	LB125034	Operator :	Jaswal
Lab Sample ID :	O2224-22DLX5	Instrumnet Name :	P8
Client Sample ID :	OU3-FC-BACKFILL-11DL	Dilution Factor :	5
Date & Time Acquired :	2023-04-18 14:22:37	DataFile Name :	036AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	100700	100217	97358	99425	1.82	cps
Antimony	121-1	442	383	350	392	11.85	cps
Arsenic	75-2	360	328	303	330	8.65	cps
Barium	135-1	61004	64127	61188	62107	2.82	cps
Barium	137-1	107319	106445	109510	107758	1.47	cps
Beryllium	9-1	159	170	140	156	9.70	cps
Bismuth	209-1	5128545	5160012	5065865	5118141	0.94	cps
Bismuth	209-2	3108249	3077697	3093407	3093117	0.49	cps
Boron	10-1	24491	25361	26737	25530	4.43	cps
Boron	11-1	109325	114350	118685	114120	4.10	cps
Bromine	81-1	35128	33073	35078	34427	3.41	cps
Cadmium	111-1	658	608	586	617	5.99	cps
Cadmium	106-1	6268	5868	5735	5957	4.66	cps
Cadmium	108-1	33	42	54	43	24.36	cps
Calcium	43-1	40337	39847	39724	39970	0.81	cps
Calcium	44-1	671194	673594	669671	671486	0.29	cps
Carbon	12-1	4696342	4846517	4822789	4788549	1.69	cps
Carbon	12-2	56116	56576	57246	56646	1.00	cps
Chlorine	35-1	267944	266748	265910	266867	0.38	cps
Chlorine	35-2	1859	1817	1975	1884	4.36	cps
Chromium	52-2	2254	2264	2120	2212	3.62	cps
Cobalt	59-2	7262	7215	7078	7185	1.33	cps
Copper	63-2	113167	112804	108743	111571	2.20	cps
Dysprosium	156-1	1925	1708	2000	1878	8.07	cps
Dysprosium	156-2	780	750	813	781	4.06	cps
Erbium	164-1	2125	2350	2075	2184	6.71	cps
Erbium	164-2	910	833	900	881	4.73	cps
Gadolinium	160-1	1975	1942	2059	1992	3.02	cps
Gadolinium	160-2	1010	1040	1003	1018	1.92	cps
Holmium	165-1	8465928	8560021	8306737	8444229	1.52	cps
Holmium	165-2	4320195	4257336	4285284	4287605	0.73	cps
Indium	115-1	7470514	7642700	7413077	7508764	1.59	cps
Indium	115-2	1309014	1311881	1293122	1304672	0.77	cps
Iron	54-2	456149	442478	429281	442636	3.04	cps
Iron	56-2	8526303	8482755	8220678	8409912	1.97	cps
Iron	57-2	202221	199238	193592	198350	2.21	cps

LB Number :	LB125034	Operator :	Jaswal
Lab Sample ID :	O2224-22DLX5	Instrumnet Name :	P8
Client Sample ID :	OU3-FC-BACKFILL-11DL	Dilution Factor :	5
Date & Time Acquired :	2023-04-18 14:22:37	DataFile Name :	036AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Krypton	83-1	341	335	299	325	7.06	cps
Lead	206-1	131282	133893	133919	133031	1.14	cps
Lead	207-1	112295	111096	112748	112046	0.76	cps
Lead	208-1	514357	521283	516760	517467	0.68	cps
Lithium	6-1	3800209	3832260	3717221	3783230	1.57	cps
Magnesium	24-2	280642	277484	269330	275819	2.12	cps
Manganese	55-2	36667	34622	34428	35239	3.52	cps
Molybdenum	94-1	4243	3959	3350	3851	11.84	cps
Molybdenum	95-1	1834	1692	1867	1797	5.17	cps
Molybdenum	96-1	2109	2275	2192	2192	3.80	cps
Molybdenum	97-1	917	950	1017	961	5.30	cps
Molybdenum	98-1	2234	2059	2325	2206	6.14	cps
Neodymium	150-1	2234	2000	2127	2120	5.51	cps
Neodymium	150-2	723	707	740	723	2.30	cps
Nickel	60-2	1777	1727	1777	1760	1.64	cps
Phosphorus	31-2	467	408	458	444	7.10	cps
Potassium	39-2	69651	68254	69836	69247	1.25	cps
Rhodium	103-1	7621142	7364851	7595897	7527297	1.88	cps
Rhodium	103-2	3565672	3566354	3509312	3547113	0.92	cps
Scandium	45-1	5931546	6108257	5936289	5992031	1.68	cps
Scandium	45-2	203384	203287	204761	203811	0.40	cps
Selenium	82-1	16	15	57	30	81.74	cps
Selenium	77-2	3	7	10	7	50.03	cps
Selenium	78-2	72	51	68	64	17.51	cps
Silicon	28-1	21847386	22021143	21833285	21900605	0.48	cps
Silver	107-1	1950	2050	2217	2072	6.50	cps
Silver	109-1	2050	2225	1675	1984	14.17	cps
Sodium	23-2	2768954	2734409	2740174	2747845	0.67	cps
Strontium	86-1	18254	20674	19114	19347	6.34	cps
Strontium	88-1	158361	162273	158176	159604	1.45	cps
Sulfur	34-1	3372727	3453929	3417922	3414859	1.19	cps
Terbium	159-1	8759088	8995680	9136769	8963845	2.13	cps
Terbium	159-2	4339800	4405769	4238685	4328085	1.94	cps
Thallium	203-1	300	175	267	247	26.18	cps
Thallium	205-1	367	500	400	422	16.44	cps
Tin	118-1	1117	1133	1117	1122	0.86	cps

LB Number :	LB125034	Operator :	Jaswal
Lab Sample ID :	O2224-22DLX5	Instrumnet Name :	P8
Client Sample ID :	OU3-FC-BACKFILL-11DI	Dilution Factor :	5
Date & Time Acquired :	2023-04-18 14:22:37	DataFile Name :	036AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Titanium	47-1	37951	38286	37792	38010	0.66	cps
Uranium	238-1	2284	2184	2334	2267	3.37	cps
Vanadium	51-2	22735	22648	21523	22302	3.03	cps
Ytterbium	172-1	558	708	783	683	16.77	cps
Ytterbium	172-2	289	356	333	326	10.41	cps
Ytterbium	176-1	2092	1917	2142	2050	5.76	cps
Ytterbium	176-2	9014	9370	9081	9155	2.07	cps
Yttrium	89-1	14311453	14486055	14242310	14346606	0.88	cps
Yttrium	89-2	1767244	1718540	1712137	1732640	1.74	cps
Zinc	66-2	36153	35882	34335	35457	2.77	cps
Zirconium	90-1	8637	8378	8419	8478	1.64	cps
Zirconium	91-1	1617	1775	1800	1731	5.75	cps

LB Number :	LB125034	Operator :	Jaswal
Lab Sample ID :	O2224-24DLX5	Instrumnet Name :	P8
Client Sample ID :	OU3-FC-BACKFILL-12DI	Dilution Factor :	5
Date & Time Acquired :	2023-04-18 14:25:41	DataFile Name :	037AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	21787	21046	20730	21188	2.56	cps
Antimony	121-1	108	100	200	136	40.77	cps
Arsenic	75-2	57	68	62	62	8.83	cps
Barium	135-1	14742	15209	14850	14934	1.64	cps
Barium	137-1	24281	25859	25090	25077	3.15	cps
Beryllium	9-1	141	139	161	147	8.39	cps
Bismuth	209-1	5081970	4913671	5126532	5040724	2.23	cps
Bismuth	209-2	2952588	2983141	2993569	2976433	0.72	cps
Boron	10-1	30431	32565	32966	31988	4.26	cps
Boron	11-1	136340	144346	147996	142894	4.17	cps
Bromine	81-1	34669	32924	34627	34073	2.92	cps
Cadmium	111-1	647	675	590	637	6.77	cps
Cadmium	106-1	6402	6102	5710	6071	5.72	cps
Cadmium	108-1	38	21	50	36	40.53	cps
Calcium	43-1	1329200	1340191	1322876	1330756	0.66	cps
Calcium	44-1	21066626	21079572	21409467	21185222	0.92	cps
Carbon	12-1	4299340	4353116	4477725	4376727	2.09	cps
Carbon	12-2	52026	52269	51307	51867	0.96	cps
Chlorine	35-1	264432	258335	257594	260120	1.44	cps
Chlorine	35-2	1950	2092	1767	1936	8.42	cps
Chromium	52-2	817	843	883	848	3.96	cps
Cobalt	59-2	20952	20912	20545	20803	1.08	cps
Copper	63-2	10284	10631	10384	10433	1.71	cps
Dysprosium	156-1	2950	3125	3150	3075	3.54	cps
Dysprosium	156-2	1393	1357	1327	1359	2.46	cps
Erbium	164-1	4618	4676	4151	4481	6.42	cps
Erbium	164-2	2304	2124	1994	2140	7.27	cps
Gadolinium	160-1	2875	3100	3467	3148	9.49	cps
Gadolinium	160-2	1807	1717	1473	1666	10.35	cps
Holmium	165-1	8516104	8367585	8656483	8513390	1.70	cps
Holmium	165-2	4155133	4287667	4271116	4237972	1.70	cps
Indium	115-1	7628012	7389310	7689719	7569014	2.10	cps
Indium	115-2	1286940	1285638	1286946	1286508	0.06	cps
Iron	54-2	871734	844757	822852	846448	2.89	cps
Iron	56-2	16486562	15905036	15604383	15998660	2.80	cps
Iron	57-2	400725	391912	373426	388688	3.58	cps

LB Number :	LB125034	Operator :	Jaswal
Lab Sample ID :	O2224-24DLX5	Instrumnet Name :	P8
Client Sample ID :	OU3-FC-BACKFILL-12DI	Dilution Factor :	5
Date & Time Acquired :	2023-04-18 14:25:41	DataFile Name :	037AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Krypton	83-1	377	370	352	367	3.50	cps
Lead	206-1	689	683	650	674	3.12	cps
Lead	207-1	589	556	650	598	8.01	cps
Lead	208-1	2700	2511	2589	2600	3.65	cps
Lithium	6-1	3912274	3655330	3833794	3800466	3.46	cps
Magnesium	24-2	435043	414480	405273	418265	3.64	cps
Manganese	55-2	443908	437060	424359	435109	2.28	cps
Molybdenum	94-1	717	625	700	681	7.18	cps
Molybdenum	95-1	575	633	692	633	9.21	cps
Molybdenum	96-1	817	983	892	897	9.30	cps
Molybdenum	97-1	383	308	317	336	12.23	cps
Molybdenum	98-1	717	650	775	714	8.76	cps
Neodymium	150-1	2774	2680	2480	2645	5.67	cps
Neodymium	150-2	1037	933	947	972	5.78	cps
Nickel	60-2	3400	3344	3144	3296	4.09	cps
Phosphorus	31-2	317	292	283	297	5.84	cps
Potassium	39-2	71812	69049	69669	70177	2.07	cps
Rhodium	103-1	7529060	7345425	7516925	7463803	1.38	cps
Rhodium	103-2	3515158	3490777	3441979	3482638	1.07	cps
Scandium	45-1	6029803	5976513	6171666	6059327	1.66	cps
Scandium	45-2	200888	201979	205285	202717	1.13	cps
Selenium	82-1	-23	43	8	9	354.89	cps
Selenium	77-2	17	7	7	10	57.72	cps
Selenium	78-2	74	54	76	68	17.89	cps
Silicon	28-1	14257532	14356433	14370174	14328046	0.43	cps
Silver	107-1	117	83	108	103	16.88	cps
Silver	109-1	42	42	33	39	12.38	cps
Sodium	23-2	4707680	4526718	4470003	4568134	2.72	cps
Strontium	86-1	188596	185836	187511	187314	0.74	cps
Strontium	88-1	1635888	1653546	1654637	1648024	0.64	cps
Sulfur	34-1	2415744	2432499	2365089	2404444	1.46	cps
Terbium	159-1	9228827	8850167	9076514	9051836	2.10	cps
Terbium	159-2	4219068	4213611	4385823	4272834	2.29	cps
Thallium	203-1	192	242	167	200	19.10	cps
Thallium	205-1	383	408	492	428	13.26	cps
Tin	118-1	725	667	733	708	5.13	cps

LB Number :	LB125034	Operator :	Jaswal
Lab Sample ID :	O2224-24DLX5	Instrumnet Name :	P8
Client Sample ID :	OU3-FC-BACKFILL-12DI	Dilution Factor :	5
Date & Time Acquired :	2023-04-18 14:25:41	DataFile Name :	037AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Titanium	47-1	558	567	550	558	1.49	cps
Uranium	238-1	4076	4351	4309	4245	3.49	cps
Vanadium	51-2	4354	4297	4284	4312	0.86	cps
Ytterbium	172-1	1617	1525	1550	1564	3.03	cps
Ytterbium	172-2	822	783	794	800	2.50	cps
Ytterbium	176-1	2659	2450	2709	2606	5.26	cps
Ytterbium	176-2	9381	9426	9943	9583	3.26	cps
Yttrium	89-1	14144401	14030176	14435250	14203276	1.47	cps
Yttrium	89-2	1706928	1708088	1750299	1721772	1.44	cps
Zinc	66-2	31308	30636	29481	30475	3.03	cps
Zirconium	90-1	792	908	742	814	10.51	cps
Zirconium	91-1	125	117	150	131	13.29	cps

LB Number :	LB125034	Operator :	Jaswal
Lab Sample ID :	O2224-26DLX5	Instrumnet Name :	P8
Client Sample ID :	OU3-FC-BACKFILL-13DI	Dilution Factor :	5
Date & Time Acquired :	2023-04-18 14:28:39	DataFile Name :	038AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	1899	1954	1854	1902	2.63	cps
Antimony	121-1	175	117	142	144	20.26	cps
Arsenic	75-2	48	42	41	44	8.68	cps
Barium	135-1	14884	13290	14542	14238	5.89	cps
Barium	137-1	24281	24464	24999	24581	1.52	cps
Beryllium	9-1	111	104	114	110	4.75	cps
Bismuth	209-1	4962963	5108160	5063559	5044894	1.47	cps
Bismuth	209-2	2838420	3026565	3024988	2963325	3.65	cps
Boron	10-1	23446	24081	25431	24319	4.17	cps
Boron	11-1	103187	109934	112887	108669	4.58	cps
Bromine	81-1	35538	34410	34042	34663	2.25	cps
Cadmium	111-1	658	575	589	607	7.27	cps
Cadmium	106-1	6143	5343	5751	5746	6.97	cps
Cadmium	108-1	33	25	33	31	15.74	cps
Calcium	43-1	1424383	1453630	1405445	1427819	1.70	cps
Calcium	44-1	22646393	22547297	22776657	22656782	0.51	cps
Carbon	12-1	4485282	4570928	4638336	4564849	1.68	cps
Carbon	12-2	52009	52511	52996	52505	0.94	cps
Chlorine	35-1	267258	258596	262064	262639	1.66	cps
Chlorine	35-2	1775	1934	2109	1939	8.60	cps
Chromium	52-2	600	620	617	612	1.75	cps
Cobalt	59-2	20739	20809	20652	20733	0.38	cps
Copper	63-2	3207	2967	3034	3069	4.04	cps
Dysprosium	156-1	692	842	833	789	10.69	cps
Dysprosium	156-2	353	350	333	346	3.10	cps
Erbium	164-1	1225	1492	1517	1411	11.46	cps
Erbium	164-2	647	687	557	630	10.57	cps
Gadolinium	160-1	642	817	900	786	16.77	cps
Gadolinium	160-2	507	423	417	449	11.17	cps
Holmium	165-1	8517876	8465385	8500783	8494682	0.32	cps
Holmium	165-2	4223459	4320325	4286522	4276768	1.15	cps
Indium	115-1	7451631	7646540	7673143	7590438	1.59	cps
Indium	115-2	1257991	1303800	1296425	1286072	1.91	cps
Iron	54-2	530268	528878	519111	526086	1.16	cps
Iron	56-2	9877437	9903830	9499521	9760263	2.32	cps
Iron	57-2	239399	238951	235225	237858	0.96	cps

LB Number :	LB125034	Operator :	Jaswal
Lab Sample ID :	O2224-26DLX5	Instrumnet Name :	P8
Client Sample ID :	OU3-FC-BACKFILL-13DI	Dilution Factor :	5
Date & Time Acquired :	2023-04-18 14:28:39	DataFile Name :	038AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Krypton	83-1	339	361	326	342	5.19	cps
Lead	206-1	483	589	556	543	9.94	cps
Lead	207-1	417	406	439	420	4.04	cps
Lead	208-1	2106	2011	1917	2011	4.70	cps
Lithium	6-1	3814440	3857728	3804132	3825433	0.74	cps
Magnesium	24-2	383055	389337	375434	382609	1.82	cps
Manganese	55-2	458314	456124	446972	453803	1.33	cps
Molybdenum	94-1	592	600	517	569	8.06	cps
Molybdenum	95-1	900	958	800	886	9.04	cps
Molybdenum	96-1	1117	1025	967	1036	7.30	cps
Molybdenum	97-1	450	517	525	497	8.27	cps
Molybdenum	98-1	1450	1492	1342	1428	5.42	cps
Neodymium	150-1	553	547	540	547	1.22	cps
Neodymium	150-2	147	160	220	176	22.25	cps
Nickel	60-2	2784	2730	2757	2757	0.97	cps
Phosphorus	31-2	250	208	267	242	12.43	cps
Potassium	39-2	70447	70841	70037	70441	0.57	cps
Rhodium	103-1	7431517	7467768	7263920	7387735	1.47	cps
Rhodium	103-2	3403333	3505287	3396979	3435200	1.77	cps
Scandium	45-1	6014435	5995628	6059599	6023221	0.55	cps
Scandium	45-2	198525	206478	200587	201863	2.04	cps
Selenium	82-1	-21	44	50	24	163.27	cps
Selenium	77-2	0	0	3	1	173.21	cps
Selenium	78-2	53	53	73	60	19.35	cps
Silicon	28-1	11601273	11996619	11510590	11702828	2.21	cps
Silver	107-1	100	83	92	92	9.09	cps
Silver	109-1	75	58	58	64	15.06	cps
Sodium	23-2	5822634	5677596	5677489	5725906	1.46	cps
Strontium	86-1	216065	216579	216394	216346	0.12	cps
Strontium	88-1	1924879	1938492	1871244	1911538	1.86	cps
Sulfur	34-1	2436105	2435199	2375876	2415727	1.43	cps
Terbium	159-1	8904020	9126107	8692632	8907586	2.43	cps
Terbium	159-2	4185764	4378451	4284124	4282780	2.25	cps
Thallium	203-1	175	167	142	161	10.77	cps
Thallium	205-1	475	533	508	506	5.79	cps
Tin	118-1	650	542	767	653	17.24	cps

LB Number :	LB125034	Operator :	Jaswal
Lab Sample ID :	O2224-26DLX5	Instrumnet Name :	P8
Client Sample ID :	OU3-FC-BACKFILL-13DI	Dilution Factor :	5
Date & Time Acquired :	2023-04-18 14:28:39	DataFile Name :	038AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Titanium	47-1	483	458	358	433	15.26	cps
Uranium	238-1	2375	2342	2459	2392	2.51	cps
Vanadium	51-2	1430	1377	1323	1377	3.87	cps
Ytterbium	172-1	425	458	525	469	10.85	cps
Ytterbium	172-2	306	222	261	263	15.86	cps
Ytterbium	176-1	2225	1942	1934	2034	8.17	cps
Ytterbium	176-2	8809	8892	9042	8914	1.33	cps
Yttrium	89-1	13958319	14118546	13927843	14001570	0.73	cps
Yttrium	89-2	1684270	1748672	1689047	1707329	2.10	cps
Zinc	66-2	27176	27343	26271	26930	2.14	cps
Zirconium	90-1	492	517	592	533	9.76	cps
Zirconium	91-1	108	33	100	81	51.03	cps

LB Number :	LB125034	Operator :	Jaswal
Lab Sample ID :	O2224-28DLX5	Instrumnet Name :	P8
Client Sample ID :	OU3-FC-BACKFILL-14DI	Dilution Factor :	5
Date & Time Acquired :	2023-04-18 14:31:39	DataFile Name :	039AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	1659	1560	1456	1558	6.50	cps
Antimony	121-1	158	225	150	178	23.12	cps
Arsenic	75-2	34	38	34	35	6.54	cps
Barium	135-1	14391	14116	14575	14361	1.61	cps
Barium	137-1	24039	23964	24356	24119	0.86	cps
Beryllium	9-1	111	126	125	121	6.89	cps
Bismuth	209-1	5053103	4998280	5078706	5043363	0.81	cps
Bismuth	209-2	3063564	3061100	3022288	3048984	0.76	cps
Boron	10-1	21640	22671	23210	22507	3.54	cps
Boron	11-1	98014	103353	104757	102042	3.49	cps
Bromine	81-1	33675	35931	33090	34232	4.38	cps
Cadmium	111-1	643	624	668	645	3.37	cps
Cadmium	106-1	6051	5776	5935	5921	2.33	cps
Cadmium	108-1	29	58	25	38	48.43	cps
Calcium	43-1	1373343	1380959	1356260	1370187	0.92	cps
Calcium	44-1	21678947	22024327	21835201	21846158	0.79	cps
Carbon	12-1	4568886	4476733	4588246	4544622	1.31	cps
Carbon	12-2	53046	51692	51808	52182	1.44	cps
Chlorine	35-1	258799	256661	255991	257150	0.57	cps
Chlorine	35-2	2017	1750	1708	1825	9.17	cps
Chromium	52-2	2054	1880	1790	1908	7.02	cps
Cobalt	59-2	21002	20865	20375	20747	1.59	cps
Copper	63-2	2450	2520	2534	2501	1.79	cps
Dysprosium	156-1	542	425	567	511	14.79	cps
Dysprosium	156-2	223	197	197	206	7.49	cps
Erbium	164-1	858	942	858	886	5.43	cps
Erbium	164-2	443	417	390	417	6.40	cps
Gadolinium	160-1	525	475	650	550	16.39	cps
Gadolinium	160-2	377	287	363	342	14.19	cps
Holmium	165-1	8424452	8519088	8361399	8434980	0.94	cps
Holmium	165-2	4262822	4134537	4193997	4197119	1.53	cps
Indium	115-1	7495674	7563471	7699056	7586067	1.37	cps
Indium	115-2	1294383	1283974	1280760	1286372	0.55	cps
Iron	54-2	401190	383564	378652	387802	3.06	cps
Iron	56-2	7547662	7337823	6962064	7282516	4.07	cps
Iron	57-2	179146	179306	175699	178050	1.14	cps

LB Number :	LB125034	Operator :	Jaswal
Lab Sample ID :	O2224-28DLX5	Instrumnet Name :	P8
Client Sample ID :	OU3-FC-BACKFILL-14DI	Dilution Factor :	5
Date & Time Acquired :	2023-04-18 14:31:39	DataFile Name :	039AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Krypton	83-1	332	321	342	332	3.20	cps
Lead	206-1	733	794	761	763	4.01	cps
Lead	207-1	622	572	639	611	5.68	cps
Lead	208-1	2767	2795	2961	2841	3.70	cps
Lithium	6-1	3818457	3817580	3788920	3808319	0.44	cps
Magnesium	24-2	380796	375474	372189	376153	1.15	cps
Manganese	55-2	469790	447973	438142	451968	3.58	cps
Molybdenum	94-1	583	567	767	639	17.37	cps
Molybdenum	95-1	883	825	933	881	6.16	cps
Molybdenum	96-1	1158	1233	1258	1217	4.28	cps
Molybdenum	97-1	508	683	575	589	15.00	cps
Molybdenum	98-1	1333	1350	1342	1342	0.62	cps
Neodymium	150-1	407	340	473	407	16.39	cps
Neodymium	150-2	113	137	133	128	9.88	cps
Nickel	60-2	2917	2940	2860	2906	1.42	cps
Phosphorus	31-2	233	142	292	222	34.03	cps
Potassium	39-2	72725	70230	71938	71631	1.78	cps
Rhodium	103-1	7567947	7393503	7415497	7458982	1.27	cps
Rhodium	103-2	3546978	3491284	3491040	3509767	0.92	cps
Scandium	45-1	6003291	6045831	6079402	6042841	0.63	cps
Scandium	45-2	205183	201034	200831	202349	1.21	cps
Selenium	82-1	39	36	70	48	38.92	cps
Selenium	77-2	3	0	0	1	173.21	cps
Selenium	78-2	63	50	67	60	14.81	cps
Silicon	28-1	11307964	11163267	11084148	11185127	1.01	cps
Silver	107-1	142	133	150	142	5.88	cps
Silver	109-1	33	67	25	42	52.92	cps
Sodium	23-2	6349150	6442906	6205931	6332662	1.88	cps
Strontium	86-1	221277	224103	221358	222246	0.72	cps
Strontium	88-1	2031061	1982668	1935626	1983118	2.41	cps
Sulfur	34-1	2379115	2360149	2325741	2355002	1.15	cps
Terbium	159-1	9022607	8814283	8814718	8883869	1.35	cps
Terbium	159-2	4476701	4381644	4242079	4366808	2.70	cps
Thallium	203-1	117	200	175	164	26.09	cps
Thallium	205-1	392	417	400	403	3.16	cps
Tin	118-1	858	875	625	786	17.78	cps

LB Number :	LB125034	Operator :	Jaswal
Lab Sample ID :	O2224-28DLX5	Instrumnet Name :	P8
Client Sample ID :	OU3-FC-BACKFILL-14DI	Dilution Factor :	5
Date & Time Acquired :	2023-04-18 14:31:39	DataFile Name :	039AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Titanium	47-1	350	467	492	436	17.34	cps
Uranium	238-1	2425	2267	2400	2364	3.60	cps
Vanadium	51-2	1047	943	843	944	10.77	cps
Ytterbium	172-1	325	317	383	342	10.63	cps
Ytterbium	172-2	139	217	172	176	22.18	cps
Ytterbium	176-1	1909	1733	1767	1803	5.15	cps
Ytterbium	176-2	8397	9187	9003	8862	4.66	cps
Yttrium	89-1	14417537	14306864	14181949	14302117	0.82	cps
Yttrium	89-2	1719252	1769189	1687870	1725437	2.38	cps
Zinc	66-2	25062	24207	24207	24492	2.02	cps
Zirconium	90-1	625	583	675	628	7.31	cps
Zirconium	91-1	92	150	92	111	30.31	cps

LB Number :	LB125034	Operator :	Jaswal
Lab Sample ID :	O2224-30DLX5	Instrumnet Name :	P8
Client Sample ID :	OU3-FC-BACKFILL-15DI	Dilution Factor :	5
Date & Time Acquired :	2023-04-18 14:34:37	DataFile Name :	040AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	45362	45397	44545	45101	1.07	cps
Antimony	121-1	83	158	142	128	30.82	cps
Arsenic	75-2	82	94	72	83	13.32	cps
Barium	135-1	14358	15125	14149	14544	3.53	cps
Barium	137-1	25491	25450	25257	25399	0.49	cps
Beryllium	9-1	157	174	140	157	10.75	cps
Bismuth	209-1	5164468	5075403	5113652	5117841	0.87	cps
Bismuth	209-2	2932581	2993076	3058458	2994705	2.10	cps
Boron	10-1	32072	33800	35291	33721	4.78	cps
Boron	11-1	143482	152915	157819	151405	4.81	cps
Bromine	81-1	33691	34444	34067	34067	1.10	cps
Cadmium	111-1	589	603	627	606	3.16	cps
Cadmium	106-1	5593	5801	5835	5743	2.28	cps
Cadmium	108-1	29	50	33	38	29.40	cps
Calcium	43-1	1340906	1345821	1289657	1325461	2.35	cps
Calcium	44-1	21103165	21460658	21087794	21217206	0.99	cps
Carbon	12-1	4385312	4327143	4459057	4390504	1.51	cps
Carbon	12-2	50521	50562	52102	51061	1.76	cps
Chlorine	35-1	256262	248888	246778	250643	1.99	cps
Chlorine	35-2	1775	1583	1967	1775	10.80	cps
Chromium	52-2	1327	1357	1253	1312	4.05	cps
Cobalt	59-2	22127	21750	21920	21933	0.86	cps
Copper	63-2	12539	12295	12269	12368	1.20	cps
Dysprosium	156-1	3542	3826	3676	3681	3.85	cps
Dysprosium	156-2	1850	1697	1667	1738	5.66	cps
Erbium	164-1	4784	5526	5076	5129	7.29	cps
Erbium	164-2	2377	2307	2084	2256	6.79	cps
Gadolinium	160-1	4209	3692	3717	3873	7.53	cps
Gadolinium	160-2	2020	2144	2064	2076	3.01	cps
Holmium	165-1	8489713	8586899	8630563	8569059	0.84	cps
Holmium	165-2	4185574	4195512	4253457	4211514	0.87	cps
Indium	115-1	7619058	7633346	7634447	7628950	0.11	cps
Indium	115-2	1294745	1301477	1281544	1292589	0.78	cps
Iron	54-2	871225	855477	842942	856548	1.65	cps
Iron	56-2	16478451	16324665	15977278	16260131	1.58	cps
Iron	57-2	390154	388973	376865	385331	1.91	cps

LB Number :	LB125034	Operator :	Jaswal
Lab Sample ID :	O2224-30DLX5	Instrumnet Name :	P8
Client Sample ID :	OU3-FC-BACKFILL-15DI	Dilution Factor :	5
Date & Time Acquired :	2023-04-18 14:34:37	DataFile Name :	040AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Krypton	83-1	324	344	354	340	4.49	cps
Lead	206-1	906	978	828	904	8.30	cps
Lead	207-1	750	689	828	756	9.21	cps
Lead	208-1	3356	3295	3261	3304	1.45	cps
Lithium	6-1	3797997	3923522	3868130	3863216	1.63	cps
Magnesium	24-2	471274	467172	462681	467042	0.92	cps
Manganese	55-2	441293	443560	431953	438936	1.40	cps
Molybdenum	94-1	850	725	850	808	8.93	cps
Molybdenum	95-1	633	600	700	644	7.90	cps
Molybdenum	96-1	917	858	942	906	4.72	cps
Molybdenum	97-1	408	292	367	356	16.63	cps
Molybdenum	98-1	950	717	808	825	14.25	cps
Neodymium	150-1	3401	3607	3527	3512	2.97	cps
Neodymium	150-2	1200	1290	1057	1182	9.95	cps
Nickel	60-2	3554	3644	3270	3489	5.59	cps
Phosphorus	31-2	242	308	300	283	12.82	cps
Potassium	39-2	68346	69284	67893	68507	1.04	cps
Rhodium	103-1	7591481	7501982	7314103	7469189	1.90	cps
Rhodium	103-2	3491039	3569085	3462912	3507679	1.57	cps
Scandium	45-1	6034982	5879814	5998407	5971068	1.36	cps
Scandium	45-2	201125	204914	204009	203349	0.97	cps
Selenium	82-1	35	45	31	37	19.17	cps
Selenium	77-2	7	3	7	6	34.70	cps
Selenium	78-2	67	88	61	72	19.69	cps
Silicon	28-1	16036319	15816527	15913121	15921989	0.69	cps
Silver	107-1	142	133	75	117	31.14	cps
Silver	109-1	58	75	33	56	37.75	cps
Sodium	23-2	4637841	4770671	4626025	4678179	1.72	cps
Strontium	86-1	195775	196549	194292	195539	0.59	cps
Strontium	88-1	1730006	1667307	1691493	1696269	1.86	cps
Sulfur	34-1	2384381	2416925	2448369	2416558	1.32	cps
Terbium	159-1	9213542	8842298	8997403	9017747	2.07	cps
Terbium	159-2	4368323	4243959	4354107	4322130	1.57	cps
Thallium	203-1	150	175	200	175	14.29	cps
Thallium	205-1	475	408	408	431	8.94	cps
Tin	118-1	717	700	633	683	6.45	cps

LB Number :	LB125034	Operator :	Jaswal
Lab Sample ID :	O2224-30DLX5	Instrumnet Name :	P8
Client Sample ID :	OU3-FC-BACKFILL-15DI	Dilution Factor :	5
Date & Time Acquired :	2023-04-18 14:34:37	DataFile Name :	040AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Titanium	47-1	667	633	742	681	8.15	cps
Uranium	238-1	4326	4209	4684	4406	5.62	cps
Vanadium	51-2	11228	11625	11441	11431	1.74	cps
Ytterbium	172-1	1575	1709	1525	1603	5.91	cps
Ytterbium	172-2	928	861	883	891	3.81	cps
Ytterbium	176-1	2909	2609	2659	2725	5.90	cps
Ytterbium	176-2	9070	9570	9087	9242	3.08	cps
Yttrium	89-1	14113300	14003204	14414099	14176868	1.50	cps
Yttrium	89-2	1720715	1759407	1676810	1718978	2.40	cps
Zinc	66-2	28158	27664	27219	27680	1.70	cps
Zirconium	90-1	1608	1817	1517	1647	9.33	cps
Zirconium	91-1	300	292	258	283	7.78	cps

LB Number :	LB125034	Operator :	Jaswal
Lab Sample ID :	O2224-30DUPDLX5	Instrumnet Name :	P8
Client Sample ID :	OU3-FC-BACKFILL-15DI	Dilution Factor :	5
Date & Time Acquired :	2023-04-18 14:37:37	DataFile Name :	041AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	45716	44720	43458	44631	2.54	cps
Antimony	121-1	150	83	108	114	29.57	cps
Arsenic	75-2	68	73	74	72	4.48	cps
Barium	135-1	14583	14825	14642	14683	0.86	cps
Barium	137-1	24849	25817	25683	25450	2.06	cps
Beryllium	9-1	161	165	135	154	10.63	cps
Bismuth	209-1	5111287	4990853	5145764	5082635	1.60	cps
Bismuth	209-2	2998063	3068413	2956708	3007728	1.88	cps
Boron	10-1	32874	35596	37147	35206	6.14	cps
Boron	11-1	151258	160008	162159	157808	3.66	cps
Bromine	81-1	33483	33366	34519	33789	1.88	cps
Cadmium	111-1	673	623	686	661	4.97	cps
Cadmium	106-1	6227	5660	6143	6010	5.09	cps
Cadmium	108-1	29	25	29	28	8.67	cps
Calcium	43-1	1348019	1308558	1350673	1335750	1.77	cps
Calcium	44-1	21373421	20863468	20988077	21074989	1.26	cps
Carbon	12-1	4551227	4613210	4572449	4578962	0.69	cps
Carbon	12-2	52151	53640	52436	52743	1.50	cps
Chlorine	35-1	243987	245156	243778	244307	0.30	cps
Chlorine	35-2	1708	1717	1800	1742	2.91	cps
Chromium	52-2	1340	1287	1293	1307	2.22	cps
Cobalt	59-2	22478	21920	21590	21996	2.04	cps
Copper	63-2	12699	12019	11915	12211	3.49	cps
Dysprosium	156-1	3684	3759	3976	3806	3.98	cps
Dysprosium	156-2	1813	1547	1750	1703	8.18	cps
Erbium	164-1	4759	4759	5084	4868	3.86	cps
Erbium	164-2	2237	2277	2230	2248	1.12	cps
Gadolinium	160-1	3859	4109	3917	3962	3.30	cps
Gadolinium	160-2	2167	2027	1994	2062	4.46	cps
Holmium	165-1	8553599	8551719	8596305	8567208	0.29	cps
Holmium	165-2	4305492	4450826	4211213	4322510	2.79	cps
Indium	115-1	7685269	7469150	7561143	7571854	1.43	cps
Indium	115-2	1269725	1313833	1267778	1283779	2.03	cps
Iron	54-2	867599	851976	827670	849082	2.37	cps
Iron	56-2	16588947	16313544	16010430	16304307	1.77	cps
Iron	57-2	394501	393209	382211	389974	1.73	cps

LB Number :	LB125034	Operator :	Jaswal
Lab Sample ID :	O2224-30DUPDLX5	Instrumnet Name :	P8
Client Sample ID :	OU3-FC-BACKFILL-15DI	Dilution Factor :	5
Date & Time Acquired :	2023-04-18 14:37:37	DataFile Name :	041AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Krypton	83-1	340	392	345	359	8.07	cps
Lead	206-1	828	772	861	820	5.47	cps
Lead	207-1	650	650	689	663	3.39	cps
Lead	208-1	3222	3061	3222	3169	2.94	cps
Lithium	6-1	3778674	3777735	3845500	3800636	1.02	cps
Magnesium	24-2	473094	467533	450977	463868	2.48	cps
Manganese	55-2	449855	440428	430754	440346	2.17	cps
Molybdenum	94-1	842	1042	825	903	13.36	cps
Molybdenum	95-1	633	475	567	558	14.24	cps
Molybdenum	96-1	983	800	800	861	12.29	cps
Molybdenum	97-1	308	325	275	303	8.41	cps
Molybdenum	98-1	892	700	800	797	12.02	cps
Neodymium	150-1	3634	3447	3487	3523	2.79	cps
Neodymium	150-2	1213	1097	1237	1182	6.35	cps
Nickel	60-2	3267	3527	3364	3386	3.88	cps
Phosphorus	31-2	350	358	233	314	22.27	cps
Potassium	39-2	68312	68061	67986	68119	0.25	cps
Rhodium	103-1	7425784	7443601	7545029	7471471	0.86	cps
Rhodium	103-2	3474079	3495713	3624218	3531337	2.30	cps
Scandium	45-1	6135386	5943265	6061788	6046813	1.60	cps
Scandium	45-2	200539	203402	201677	201873	0.71	cps
Selenium	82-1	91	-45	34	27	256.52	cps
Selenium	77-2	3	3	10	6	69.34	cps
Selenium	78-2	66	75	69	70	6.55	cps
Silicon	28-1	15924406	15957429	15915428	15932421	0.14	cps
Silver	107-1	92	117	108	106	12.06	cps
Silver	109-1	42	67	33	47	36.74	cps
Sodium	23-2	4826637	4673420	4450151	4650070	4.07	cps
Strontium	86-1	197337	198533	193479	196450	1.34	cps
Strontium	88-1	1731779	1712593	1701166	1715179	0.90	cps
Sulfur	34-1	2481402	2448226	2459380	2463003	0.69	cps
Terbium	159-1	8943168	9031238	9216316	9063574	1.54	cps
Terbium	159-2	4322628	4319033	4312026	4317896	0.12	cps
Thallium	203-1	192	142	158	164	15.54	cps
Thallium	205-1	408	458	483	450	8.49	cps
Tin	118-1	750	975	975	900	14.43	cps

LB Number :	LB125034	Operator :	Jaswal
Lab Sample ID :	O2224-30DUPDLX5	Instrumnet Name :	P8
Client Sample ID :	OU3-FC-BACKFILL-15DI	Dilution Factor :	5
Date & Time Acquired :	2023-04-18 14:37:37	DataFile Name :	041AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Titanium	47-1	767	617	583	656	14.90	cps
Uranium	238-1	4409	4384	4434	4409	0.57	cps
Vanadium	51-2	11718	10924	10961	11201	4.00	cps
Ytterbium	172-1	1817	1742	1675	1745	4.06	cps
Ytterbium	172-2	922	856	894	891	3.76	cps
Ytterbium	176-1	2692	2817	2942	2817	4.44	cps
Ytterbium	176-2	8948	9598	9242	9263	3.52	cps
Yttrium	89-1	14351765	14184564	14169910	14235413	0.71	cps
Yttrium	89-2	1688660	1725129	1764767	1726185	2.21	cps
Zinc	66-2	27951	27597	27523	27690	0.83	cps
Zirconium	90-1	1517	1558	1633	1570	3.77	cps
Zirconium	91-1	283	283	342	303	11.12	cps

LB Number :	LB125034	Operator :	Jaswal
Lab Sample ID :	O2224-30LDLX25	Instrumnet Name :	P8
Client Sample ID :	OU3-FC-BACKFILL-15LL	Dilution Factor :	25
Date & Time Acquired :	2023-04-18 14:40:35	DataFile Name :	042AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	9252	8979	8855	9029	2.25	cps
Antimony	121-1	50	67	50	56	17.32	cps
Arsenic	75-2	16	15	22	18	21.43	cps
Barium	135-1	2934	2734	2809	2825	3.58	cps
Barium	137-1	4809	5076	5126	5004	3.40	cps
Beryllium	9-1	94	104	95	97	5.59	cps
Bismuth	209-1	5260647	5076380	4939920	5092316	3.16	cps
Bismuth	209-2	3033031	2567901	2958285	2853072	8.75	cps
Boron	10-1	10932	10572	11084	10863	2.42	cps
Boron	11-1	46839	47732	48512	47694	1.76	cps
Bromine	81-1	34042	33316	33708	33689	1.08	cps
Cadmium	111-1	573	657	600	610	7.01	cps
Cadmium	106-1	5760	6352	5893	6001	5.17	cps
Cadmium	108-1	46	17	8	24	83.40	cps
Calcium	43-1	257676	258591	257270	257846	0.26	cps
Calcium	44-1	4096166	4246779	4311000	4217982	2.61	cps
Carbon	12-1	4230622	4157780	4084384	4157595	1.76	cps
Carbon	12-2	46591	47569	45880	46680	1.82	cps
Chlorine	35-1	247440	244031	242710	244727	1.00	cps
Chlorine	35-2	1900	1625	1508	1678	11.99	cps
Chromium	52-2	703	633	710	682	6.23	cps
Cobalt	59-2	4664	4511	4561	4579	1.71	cps
Copper	63-2	3180	3210	2997	3129	3.69	cps
Dysprosium	156-1	942	792	758	831	11.76	cps
Dysprosium	156-2	360	333	307	333	8.00	cps
Erbium	164-1	1092	1075	1225	1131	7.27	cps
Erbium	164-2	470	470	413	451	7.25	cps
Gadolinium	160-1	808	933	825	856	7.93	cps
Gadolinium	160-2	587	423	390	467	22.55	cps
Holmium	165-1	8665545	8678731	8451838	8598705	1.48	cps
Holmium	165-2	4277858	3697222	4111558	4028880	7.42	cps
Indium	115-1	7785501	7678085	7688881	7717489	0.77	cps
Indium	115-2	1280639	1105312	1252123	1212692	7.76	cps
Iron	54-2	174184	170755	168657	171199	1.63	cps
Iron	56-2	3217152	3236400	3193849	3215801	0.66	cps
Iron	57-2	79482	77801	75560	77614	2.54	cps

LB Number :	LB125034	Operator :	Jaswal
Lab Sample ID :	O2224-30LDLX25	Instrumnet Name :	P8
Client Sample ID :	OU3-FC-BACKFILL-15LL	Dilution Factor :	25
Date & Time Acquired :	2023-04-18 14:40:35	DataFile Name :	042AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Krypton	83-1	359	315	334	336	6.54	cps
Lead	206-1	611	428	528	522	17.58	cps
Lead	207-1	522	389	533	481	16.69	cps
Lead	208-1	2183	1922	2056	2054	6.36	cps
Lithium	6-1	3920945	3852678	3821357	3864993	1.32	cps
Magnesium	24-2	94398	92652	91336	92795	1.66	cps
Manganese	55-2	89150	86292	84904	86782	2.49	cps
Molybdenum	94-1	292	250	375	306	20.83	cps
Molybdenum	95-1	175	233	133	181	27.82	cps
Molybdenum	96-1	225	292	183	233	23.42	cps
Molybdenum	97-1	108	108	33	83	51.97	cps
Molybdenum	98-1	192	183	175	183	4.54	cps
Neodymium	150-1	747	687	640	691	7.74	cps
Neodymium	150-2	227	267	183	226	18.48	cps
Nickel	60-2	780	743	703	742	5.17	cps
Phosphorus	31-2	217	267	258	247	10.84	cps
Potassium	39-2	37992	37717	37859	37856	0.36	cps
Rhodium	103-1	7551173	7598207	7559047	7569476	0.33	cps
Rhodium	103-2	3493857	3155913	3429220	3359663	5.34	cps
Scandium	45-1	5960949	6065086	6009439	6011824	0.87	cps
Scandium	45-2	202741	178898	198039	193226	6.54	cps
Selenium	82-1	-14	74	6	22	207.62	cps
Selenium	77-2	3	10	3	6	69.34	cps
Selenium	78-2	72	48	70	63	21.02	cps
Silicon	28-1	3846091	3827367	3799446	3824301	0.61	cps
Silver	107-1	150	92	100	114	27.70	cps
Silver	109-1	50	42	50	47	10.18	cps
Sodium	23-2	965538	928396	928488	940807	2.28	cps
Strontium	86-1	39741	38403	39222	39122	1.72	cps
Strontium	88-1	336128	329619	327222	330990	1.39	cps
Sulfur	34-1	966343	972223	959912	966159	0.64	cps
Terbium	159-1	9129371	9142589	8714572	8995511	2.71	cps
Terbium	159-2	4179906	3718491	4183757	4027385	6.64	cps
Thallium	203-1	150	125	92	122	23.95	cps
Thallium	205-1	333	283	250	289	14.52	cps
Tin	118-1	592	600	475	556	12.58	cps

LB Number :	LB125034	Operator :	Jaswal
Lab Sample ID :	O2224-30LDLX25	Instrumnet Name :	P8
Client Sample ID :	OU3-FC-BACKFILL-15LE	Dilution Factor :	25
Date & Time Acquired :	2023-04-18 14:40:35	DataFile Name :	042AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Titanium	47-1	350	333	367	350	4.76	cps
Uranium	238-1	700	850	1017	856	18.52	cps
Vanadium	51-2	2144	2090	2087	2107	1.51	cps
Ytterbium	172-1	367	308	425	367	15.91	cps
Ytterbium	172-2	206	172	228	202	13.85	cps
Ytterbium	176-1	1867	1909	1684	1820	6.58	cps
Ytterbium	176-2	8848	7680	8609	8379	7.36	cps
Yttrium	89-1	14924483	13973944	13889620	14262682	4.03	cps
Yttrium	89-2	1686200	1489477	1654981	1610219	6.57	cps
Zinc	66-2	5881	5668	5681	5743	2.08	cps
Zirconium	90-1	592	783	650	675	14.56	cps
Zirconium	91-1	158	175	100	144	27.27	cps

LB Number :	LB125034	Operator :	Jaswal
Lab Sample ID :	CCV29	Instrumnet Name :	P8
Client Sample ID :	CCV29	Dilution Factor :	1
Date & Time Acquired :	2023-04-18 14:50:42	DataFile Name :	045CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	2407218	2307817	2254936	2323324	3.33	cps
Antimony	121-1	2146701	2078789	2112368	2112620	1.61	cps
Arsenic	75-2	70532	68226	67896	68884	2.08	cps
Barium	135-1	2754027	2588964	2629293	2657428	3.24	cps
Barium	137-1	4502223	4479376	4480583	4487394	0.29	cps
Beryllium	9-1	836131	829881	842779	836264	0.77	cps
Bismuth	209-1	4948148	5067351	4837545	4951015	2.32	cps
Bismuth	209-2	2829747	2815209	2920065	2855007	1.99	cps
Boron	10-1	104657	109354	114122	109377	4.33	cps
Boron	11-1	471977	483742	491719	482479	2.06	cps
Bromine	81-1	30994	32205	31403	31534	1.95	cps
Cadmium	111-1	559697	558447	552221	556788	0.72	cps
Cadmium	106-1	71737	74141	75466	73781	2.56	cps
Cadmium	108-1	48126	47411	48498	48011	1.15	cps
Calcium	43-1	4160719	4115858	4223708	4166762	1.30	cps
Calcium	44-1	66978180	66892436	66602577	66824398	0.29	cps
Carbon	12-1	5152756	5214813	5335770	5234446	1.78	cps
Carbon	12-2	64057	62307	62483	62949	1.53	cps
Chlorine	35-1	294257	298269	298931	297152	0.85	cps
Chlorine	35-2	2217	2084	2109	2136	3.32	cps
Chromium	52-2	700422	681972	673737	685377	1.99	cps
Cobalt	59-2	1220780	1176851	1155303	1184311	2.82	cps
Copper	63-2	9996948	9646657	9638525	9760710	2.10	cps
Dysprosium	156-1	417	567	450	478	16.48	cps
Dysprosium	156-2	303	280	273	286	5.52	cps
Erbium	164-1	33	83	92	69	45.44	cps
Erbium	164-2	27	47	60	44	37.74	cps
Gadolinium	160-1	500	525	600	542	9.61	cps
Gadolinium	160-2	383	373	370	376	1.85	cps
Holmium	165-1	8596649	8680287	8711307	8662748	0.68	cps
Holmium	165-2	4196232	4163223	4222056	4193837	0.70	cps
Indium	115-1	7433167	7702044	7394508	7509907	2.23	cps
Indium	115-2	1228250	1231772	1261360	1240461	1.47	cps
Iron	54-2	8177203	7973539	8100591	8083778	1.27	cps
Iron	56-2	147663303	146786270	147634264	147361279	0.34	cps
Iron	57-2	3790774	3705711	3666748	3721077	1.70	cps

LB Number :	LB125034	Operator :	Jaswal
Lab Sample ID :	CCV29	Instrumnet Name :	P8
Client Sample ID :	CCV29	Dilution Factor :	1
Date & Time Acquired :	2023-04-18 14:50:42	DataFile Name :	045CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Krypton	83-1	375	326	295	332	12.14	cps
Lead	206-1	7829536	7795039	7656455	7760343	1.18	cps
Lead	207-1	6640676	6854192	6693706	6729525	1.65	cps
Lead	208-1	30667441	31018199	30175144	30620261	1.38	cps
Lithium	6-1	3922781	4041649	3827356	3930595	2.73	cps
Magnesium	24-2	31270541	29564063	29618498	30151034	3.22	cps
Manganese	55-2	4088656	3964872	4012427	4021985	1.55	cps
Molybdenum	94-1	8925071	9066293	8968847	8986737	0.80	cps
Molybdenum	95-1	12940166	13088287	13088319	13038924	0.66	cps
Molybdenum	96-1	14348059	14512588	14675481	14512043	1.13	cps
Molybdenum	97-1	7951430	8161362	8259349	8124047	1.94	cps
Molybdenum	98-1	21126199	21319228	20733791	21059739	1.42	cps
Neodymium	150-1	280	313	307	300	5.88	cps
Neodymium	150-2	13	23	20	19	26.96	cps
Nickel	60-2	323994	311059	314454	316502	2.12	cps
Phosphorus	31-2	28537	26383	26249	27056	4.75	cps
Potassium	39-2	11564047	11028325	11091501	11227958	2.61	cps
Rhodium	103-1	7046499	7412262	7204819	7221193	2.54	cps
Rhodium	103-2	3231175	3419243	3339658	3330025	2.83	cps
Scandium	45-1	6090699	6242906	6158964	6164190	1.24	cps
Scandium	45-2	203486	201970	203813	203090	0.48	cps
Selenium	82-1	50441	50728	50717	50629	0.32	cps
Selenium	77-2	1907	1610	1707	1741	8.69	cps
Selenium	78-2	6053	5652	5741	5815	3.62	cps
Silicon	28-1	3527906	3687892	3820606	3678802	3.98	cps
Silver	107-1	3124671	3107607	3087049	3106442	0.61	cps
Silver	109-1	2966940	2851487	2904605	2907677	1.99	cps
Sodium	23-2	52744790	52054799	51157094	51985561	1.53	cps
Strontium	86-1	20247449	20046597	19703037	19999028	1.38	cps
Strontium	88-1	171641821	170279216	170490691	170803909	0.43	cps
Sulfur	34-1	824712	812837	822969	820173	0.78	cps
Terbium	159-1	8947321	9176152	9053903	9059125	1.26	cps
Terbium	159-2	4230601	4253339	4321333	4268424	1.11	cps
Thallium	203-1	1863728	1895376	1857482	1872196	1.09	cps
Thallium	205-1	4487853	4416849	4295495	4400066	2.21	cps
Tin	118-1	1936271	1903598	1939840	1926570	1.04	cps

LB Number :	LB125034	Operator :	Jaswal
Lab Sample ID :	CCV29	Instrumnet Name :	P8
Client Sample ID :	CCV29	Dilution Factor :	1
Date & Time Acquired :	2023-04-18 14:50:42	DataFile Name :	045CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Titanium	47-1	4113952	4145188	4093934	4117691	0.63	cps
Uranium	238-1	5770892	5813525	5800262	5794893	0.38	cps
Vanadium	51-2	565253	542857	542571	550227	2.37	cps
Ytterbium	172-1	217	258	217	231	10.43	cps
Ytterbium	172-2	128	78	111	106	24.12	cps
Ytterbium	176-1	9329	9228	9078	9212	1.37	cps
Ytterbium	176-2	12767	12729	12990	12829	1.10	cps
Yttrium	89-1	14311239	14641364	14518340	14490315	1.15	cps
Yttrium	89-2	1712427	1724109	1757555	1731364	1.35	cps
Zinc	66-2	1183939	1160132	1149022	1164364	1.53	cps
Zirconium	90-1	4414764	4374473	4394302	4394513	0.46	cps
Zirconium	91-1	948303	962069	973725	961366	1.32	cps

LB Number :	LB125034	Operator :	Jaswal
Lab Sample ID :	CCB29	Instrumnet Name :	P8
Client Sample ID :	CCB29	Dilution Factor :	1
Date & Time Acquired :	2023-04-18 14:56:37	DataFile Name :	046CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	69	85	74	76	10.98	cps
Antimony	121-1	383	383	433	400	7.22	cps
Arsenic	75-2	5	5	4	5	12.37	cps
Barium	135-1	58	92	17	56	67.64	cps
Barium	137-1	125	42	25	64	83.86	cps
Beryllium	9-1	309	246	279	278	11.25	cps
Bismuth	209-1	5214307	5003440	5069461	5095736	2.12	cps
Bismuth	209-2	3029364	3014009	2978371	3007248	0.87	cps
Boron	10-1	5110	4910	4628	4883	4.96	cps
Boron	11-1	21910	20755	20218	20961	4.13	cps
Bromine	81-1	33608	32948	30985	32514	4.20	cps
Cadmium	111-1	611	593	553	586	5.11	cps
Cadmium	106-1	5868	5760	5410	5679	4.22	cps
Cadmium	108-1	25	17	25	22	21.64	cps
Calcium	43-1	244	197	161	201	20.59	cps
Calcium	44-1	17967	17196	16904	17356	3.16	cps
Carbon	12-1	3754433	3604396	3615109	3657980	2.29	cps
Carbon	12-2	41125	41242	41192	41186	0.14	cps
Chlorine	35-1	216102	209559	215400	213687	1.68	cps
Chlorine	35-2	1583	1483	1325	1464	8.90	cps
Chromium	52-2	603	567	563	578	3.84	cps
Cobalt	59-2	67	63	53	61	11.36	cps
Copper	63-2	1287	1357	1243	1296	4.41	cps
Dysprosium	156-1	17	0	8	8	100.02	cps
Dysprosium	156-2	3	0	3	2	86.60	cps
Erbium	164-1	83	100	50	78	32.73	cps
Erbium	164-2	17	37	13	22	56.80	cps
Gadolinium	160-1	92	100	50	81	33.25	cps
Gadolinium	160-2	127	130	133	130	2.57	cps
Holmium	165-1	8291978	8219029	8268499	8259835	0.45	cps
Holmium	165-2	4186886	4170298	4272077	4209754	1.30	cps
Indium	115-1	7584882	7607696	7482835	7558471	0.88	cps
Indium	115-2	1260198	1268041	1286252	1271497	1.05	cps
Iron	54-2	633	789	700	707	11.03	cps
Iron	56-2	5329	4901	5068	5099	4.23	cps
Iron	57-2	183	233	244	220	14.77	cps

LB Number :	LB125034	Operator :	Jaswal
Lab Sample ID :	CCB29	Instrumnet Name :	P8
Client Sample ID :	CCB29	Dilution Factor :	1
Date & Time Acquired :	2023-04-18 14:56:37	DataFile Name :	046CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Krypton	83-1	349	336	337	341	2.02	cps
Lead	206-1	611	533	561	569	6.93	cps
Lead	207-1	706	489	389	528	30.67	cps
Lead	208-1	2650	2067	2078	2265	14.73	cps
Lithium	6-1	3900589	3914225	3748281	3854365	2.39	cps
Magnesium	24-2	517	442	508	489	8.41	cps
Manganese	55-2	127	73	110	103	26.41	cps
Molybdenum	94-1	842	583	550	658	24.25	cps
Molybdenum	95-1	1175	792	742	903	26.26	cps
Molybdenum	96-1	1117	867	625	870	28.28	cps
Molybdenum	97-1	592	450	383	475	22.40	cps
Molybdenum	98-1	1325	1150	1050	1175	11.85	cps
Neodymium	150-1	7	27	0	11	124.89	cps
Neodymium	150-2	3	3	7	4	43.40	cps
Nickel	60-2	83	30	90	68	48.52	cps
Phosphorus	31-2	275	175	158	203	31.12	cps
Potassium	39-2	32880	32671	31710	32420	1.92	cps
Rhodium	103-1	7352186	7386640	7452398	7397074	0.69	cps
Rhodium	103-2	3494032	3528180	3545123	3522445	0.74	cps
Scandium	45-1	6022898	5869541	5864783	5919074	1.52	cps
Scandium	45-2	201437	198409	201230	200359	0.84	cps
Selenium	82-1	25	14	71	37	83.11	cps
Selenium	77-2	0	0	0	0	0.00	cps
Selenium	78-2	71	59	60	63	10.51	cps
Silicon	28-1	848813	841580	832481	840958	0.97	cps
Silver	107-1	225	225	167	206	16.39	cps
Silver	109-1	167	150	150	156	6.19	cps
Sodium	23-2	35268	34984	33364	34539	2.97	cps
Strontium	86-1	783	692	767	747	6.53	cps
Strontium	88-1	3159	1875	1175	2070	48.61	cps
Sulfur	34-1	475184	478595	475461	476413	0.40	cps
Terbium	159-1	8838834	8600411	8832125	8757123	1.55	cps
Terbium	159-2	4224050	4206221	4310730	4247000	1.32	cps
Thallium	203-1	350	433	417	400	11.02	cps
Thallium	205-1	833	892	817	847	4.65	cps
Tin	118-1	667	525	667	619	13.20	cps

LB Number :	LB125034	Operator :	Jaswal
Lab Sample ID :	CCB29	Instrumnet Name :	P8
Client Sample ID :	CCB29	Dilution Factor :	1
Date & Time Acquired :	2023-04-18 14:56:37	DataFile Name :	046CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Titanium	47-1	250	250	167	222	21.65	cps
Uranium	238-1	125	33	58	72	65.61	cps
Vanadium	51-2	7	10	7	8	24.71	cps
Ytterbium	172-1	17	42	75	44	65.84	cps
Ytterbium	172-2	17	22	11	17	33.33	cps
Ytterbium	176-1	1550	1533	1625	1570	3.11	cps
Ytterbium	176-2	8347	8620	9226	8731	5.15	cps
Yttrium	89-1	13910475	13588558	14197245	13898759	2.19	cps
Yttrium	89-2	1647702	1704931	1731584	1694739	2.53	cps
Zinc	66-2	157	140	97	131	23.62	cps
Zirconium	90-1	700	742	650	697	6.58	cps
Zirconium	91-1	108	58	83	83	30.00	cps

LB Number :	LB125034	Operator :	Jaswal
Lab Sample ID :	O2224-30MSDLX5	Instrumnet Name :	P8
Client Sample ID :	OU3-FC-BACKFILL-15M	Dilution Factor :	5
Date & Time Acquired :	2023-04-18 14:59:41	DataFile Name :	047AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	134194	130884	129152	131410	1.95	cps
Antimony	121-1	413147	420257	414225	415876	0.92	cps
Arsenic	75-2	14812	14354	14109	14425	2.47	cps
Barium	135-1	518095	526820	517164	520693	1.02	cps
Barium	137-1	887857	892411	891985	890751	0.28	cps
Beryllium	9-1	167930	170423	170340	169565	0.84	cps
Bismuth	209-1	4977035	4902355	4894127	4924506	0.93	cps
Bismuth	209-2	2925998	2952864	3095319	2991394	3.04	cps
Boron	10-1	47692	51337	52021	50350	4.62	cps
Boron	11-1	211790	225219	231202	222737	4.46	cps
Bromine	81-1	32664	33358	32405	32809	1.50	cps
Cadmium	111-1	115438	116769	117065	116424	0.74	cps
Cadmium	106-1	19364	19973	20374	19904	2.55	cps
Cadmium	108-1	9153	9291	9587	9344	2.37	cps
Calcium	43-1	1371403	1399830	1396952	1389395	1.13	cps
Calcium	44-1	21716587	22482792	22046073	22081817	1.74	cps
Carbon	12-1	4292939	4430294	4521805	4415013	2.61	cps
Carbon	12-2	52436	52787	53348	52857	0.87	cps
Chlorine	35-1	256712	255797	255720	256076	0.22	cps
Chlorine	35-2	1692	1708	1767	1722	2.29	cps
Chromium	52-2	136548	134176	130883	133869	2.13	cps
Cobalt	59-2	261149	252618	255653	256473	1.69	cps
Copper	63-2	1983739	1951269	1961915	1965641	0.84	cps
Dysprosium	156-1	3559	3284	3542	3462	4.46	cps
Dysprosium	156-2	1760	1500	1590	1617	8.17	cps
Erbium	164-1	4643	4884	4551	4693	3.67	cps
Erbium	164-2	2164	1997	2190	2117	4.95	cps
Gadolinium	160-1	3992	3434	3300	3576	10.27	cps
Gadolinium	160-2	1863	1943	1917	1908	2.14	cps
Holmium	165-1	8418176	8537538	8373753	8443155	1.00	cps
Holmium	165-2	4248895	4279410	4237055	4255120	0.51	cps
Indium	115-1	7414183	7329256	7537174	7426871	1.41	cps
Indium	115-2	1267576	1259157	1320438	1282390	2.59	cps
Iron	54-2	1121322	1135665	1087188	1114725	2.23	cps
Iron	56-2	21568928	21327289	20298872	21065029	3.20	cps
Iron	57-2	510567	504174	501778	505506	0.90	cps

LB Number :	LB125034	Operator :	Jaswal
Lab Sample ID :	O2224-30MSDLX5	Instrumnet Name :	P8
Client Sample ID :	OU3-FC-BACKFILL-15M	Dilution Factor :	5
Date & Time Acquired :	2023-04-18 14:59:41	DataFile Name :	047AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Krypton	83-1	325	334	360	340	5.36	cps
Lead	206-1	1174960	1199013	1181540	1185171	1.05	cps
Lead	207-1	1022672	1037253	1042865	1034264	1.01	cps
Lead	208-1	4858394	4973758	4936155	4922769	1.20	cps
Lithium	6-1	3864625	3731661	3875496	3823927	2.09	cps
Magnesium	24-2	1826883	1777055	1732974	1778971	2.64	cps
Manganese	55-2	1147062	1154526	1114827	1138805	1.85	cps
Molybdenum	94-1	841956	867693	851053	853568	1.53	cps
Molybdenum	95-1	967560	985792	971261	974871	0.99	cps
Molybdenum	96-1	1077445	1099644	1109668	1095586	1.51	cps
Molybdenum	97-1	598897	614882	607227	607002	1.32	cps
Molybdenum	98-1	1558035	1595809	1588096	1580647	1.26	cps
Neodymium	150-1	3380	3000	3247	3209	6.01	cps
Neodymium	150-2	1193	1100	1117	1137	4.38	cps
Nickel	60-2	67968	66689	66009	66889	1.49	cps
Phosphorus	31-2	317	300	242	286	13.77	cps
Potassium	39-2	429673	433814	427436	430308	0.75	cps
Rhodium	103-1	7136938	7368257	7302772	7269323	1.64	cps
Rhodium	103-2	3512725	3380212	3550742	3481226	2.57	cps
Scandium	45-1	6034238	5923729	5839562	5932510	1.65	cps
Scandium	45-2	199399	199647	202688	200578	0.91	cps
Selenium	82-1	10412	10721	10558	10563	1.46	cps
Selenium	77-2	423	373	317	371	14.38	cps
Selenium	78-2	1290	1234	1201	1242	3.62	cps
Silicon	28-1	14680908	15031038	14678541	14796829	1.37	cps
Silver	107-1	571128	576824	588168	578707	1.50	cps
Silver	109-1	544997	552723	559650	552457	1.33	cps
Sodium	23-2	6951995	6844747	6585994	6794246	2.77	cps
Strontium	86-1	326659	338036	328823	331173	1.82	cps
Strontium	88-1	2872638	2995192	2931096	2932975	2.09	cps
Sulfur	34-1	2258188	2268771	2284560	2270506	0.58	cps
Terbium	159-1	8971872	8659232	8977946	8869683	2.06	cps
Terbium	159-2	4308175	4220455	4339216	4289282	1.44	cps
Thallium	203-1	354781	356237	360425	357148	0.82	cps
Thallium	205-1	851521	859076	841782	850793	1.02	cps
Tin	118-1	348516	363784	357821	356707	2.16	cps

LB Number :	LB125034	Operator :	Jaswal
Lab Sample ID :	O2224-30MSDLX5	Instrumnet Name :	P8
Client Sample ID :	OU3-FC-BACKFILL-15M	Dilution Factor :	5
Date & Time Acquired :	2023-04-18 14:59:41	DataFile Name :	047AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Titanium	47-1	315702	325119	318119	319647	1.53	cps
Uranium	238-1	1064973	1095383	1114350	1091569	2.28	cps
Vanadium	51-2	121928	121043	117679	120217	1.86	cps
Ytterbium	172-1	1508	1692	1483	1561	7.29	cps
Ytterbium	172-2	800	839	828	822	2.44	cps
Ytterbium	176-1	3367	3659	3259	3428	6.04	cps
Ytterbium	176-2	9531	9693	9492	9572	1.11	cps
Yttrium	89-1	14269941	14215567	14305631	14263713	0.32	cps
Yttrium	89-2	1702381	1718824	1729826	1717010	0.80	cps
Zinc	66-2	25339	25346	25096	25260	0.57	cps
Zirconium	90-1	846261	856284	835894	846147	1.20	cps
Zirconium	91-1	184988	187991	187672	186884	0.88	cps

LB Number : LB125034 Operator : Jaswal
 Lab Sample ID : O2224-30MSDDLX5 Instrumnet Name : P8
 Client Sample ID : OU3-FC-BACKFILL-15M Dilution Factor : 5
 Date & Time Acquired : 2023-04-18 15:02:39 DataFile Name : 048AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	130860	131556	128511	130309	1.22	cps
Antimony	121-1	416941	417521	421122	418528	0.54	cps
Arsenic	75-2	14746	14597	14204	14516	1.93	cps
Barium	135-1	525492	523300	529902	526231	0.64	cps
Barium	137-1	903340	902491	912624	906152	0.62	cps
Beryllium	9-1	166584	170260	168366	168403	1.09	cps
Bismuth	209-1	5025662	4992495	5040692	5019616	0.49	cps
Bismuth	209-2	2976597	3014936	3096265	3029266	2.02	cps
Boron	10-1	49158	53368	54404	52310	5.31	cps
Boron	11-1	223127	232516	245247	233630	4.75	cps
Bromine	81-1	32965	33316	32714	32998	0.92	cps
Cadmium	111-1	115758	118833	118120	117570	1.37	cps
Cadmium	106-1	19005	20040	19439	19495	2.67	cps
Cadmium	108-1	8765	9324	9412	9167	3.82	cps
Calcium	43-1	1357440	1408745	1392516	1386234	1.89	cps
Calcium	44-1	21759866	22605511	22276447	22213941	1.92	cps
Carbon	12-1	4552406	4531013	4567145	4550188	0.40	cps
Carbon	12-2	53281	53531	53515	53442	0.26	cps
Chlorine	35-1	257747	254457	256967	256390	0.67	cps
Chlorine	35-2	1808	1950	1867	1875	3.80	cps
Chromium	52-2	134792	133547	129380	132573	2.14	cps
Cobalt	59-2	261020	257456	249297	255924	2.35	cps
Copper	63-2	2001915	1961324	1944730	1969323	1.49	cps
Dysprosium	156-1	3526	3309	3534	3456	3.69	cps
Dysprosium	156-2	1550	1647	1570	1589	3.21	cps
Erbium	164-1	4759	4643	4192	4531	6.61	cps
Erbium	164-2	2157	2084	1920	2054	5.90	cps
Gadolinium	160-1	3367	3584	3967	3640	8.35	cps
Gadolinium	160-2	1890	1980	1860	1910	3.27	cps
Holmium	165-1	8360675	8389742	8307207	8352542	0.50	cps
Holmium	165-2	4252220	4350119	4281442	4294594	1.17	cps
Indium	115-1	7626327	7338769	7489446	7484848	1.92	cps
Indium	115-2	1259066	1276553	1295105	1276908	1.41	cps
Iron	54-2	1107616	1104403	1071546	1094522	1.82	cps
Iron	56-2	21106411	21027168	20479856	20871145	1.63	cps
Iron	57-2	506887	500805	491039	499577	1.60	cps

LB Number :	LB125034	Operator :	Jaswal
Lab Sample ID :	O2224-30MSDDLX5	Instrumnet Name :	P8
Client Sample ID :	OU3-FC-BACKFILL-15M	Dilution Factor :	5
Date & Time Acquired :	2023-04-18 15:02:39	DataFile Name :	048AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Krypton	83-1	351	332	351	345	3.14	cps
Lead	206-1	1194866	1183870	1209551	1196095	1.08	cps
Lead	207-1	1044830	1026408	1053391	1041543	1.32	cps
Lead	208-1	5045086	4947452	5053798	5015446	1.18	cps
Lithium	6-1	3663655	3835025	3860796	3786492	2.83	cps
Magnesium	24-2	1780180	1739827	1764202	1761403	1.15	cps
Manganese	55-2	1121460	1129246	1095552	1115420	1.58	cps
Molybdenum	94-1	864205	858209	854905	859106	0.55	cps
Molybdenum	95-1	980900	974772	965115	973596	0.82	cps
Molybdenum	96-1	1107279	1095494	1111929	1104901	0.77	cps
Molybdenum	97-1	606093	604877	609512	606827	0.40	cps
Molybdenum	98-1	1613860	1577913	1592233	1594669	1.13	cps
Neodymium	150-1	3294	3107	3427	3276	4.91	cps
Neodymium	150-2	1147	1103	1137	1129	2.01	cps
Nickel	60-2	68209	66347	65704	66754	1.95	cps
Phosphorus	31-2	292	342	375	336	12.48	cps
Potassium	39-2	429887	425564	428161	427871	0.51	cps
Rhodium	103-1	7382258	7322318	7242867	7315814	0.96	cps
Rhodium	103-2	3455334	3474482	3408619	3446145	0.98	cps
Scandium	45-1	5838987	6038603	6035515	5971035	1.92	cps
Scandium	45-2	199217	199762	201619	200200	0.63	cps
Selenium	82-1	10649	10633	10781	10688	0.76	cps
Selenium	77-2	330	323	397	350	11.59	cps
Selenium	78-2	1237	1315	1264	1272	3.11	cps
Silicon	28-1	14674876	14787649	14855264	14772596	0.62	cps
Silver	107-1	584378	578002	578691	580357	0.60	cps
Silver	109-1	553722	568417	556664	559601	1.39	cps
Sodium	23-2	6544388	6487579	6415672	6482546	1.00	cps
Strontium	86-1	329634	334058	328705	330799	0.86	cps
Strontium	88-1	2871849	2910389	2939905	2907381	1.17	cps
Sulfur	34-1	2261967	2264656	2237868	2254830	0.65	cps
Terbium	159-1	8890203	8584853	8992398	8822485	2.40	cps
Terbium	159-2	4210162	4313504	4376717	4300128	1.96	cps
Thallium	203-1	368699	355004	362096	361933	1.89	cps
Thallium	205-1	864131	857125	875872	865709	1.09	cps
Tin	118-1	360817	364273	361559	362216	0.50	cps

LB Number :	LB125034	Operator :	Jaswal
Lab Sample ID :	O2224-30MSDDLX5	Instrumnet Name :	P8
Client Sample ID :	OU3-FC-BACKFILL-15M	Dilution Factor :	5
Date & Time Acquired :	2023-04-18 15:02:39	DataFile Name :	048AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Titanium	47-1	319186	331360	327148	325898	1.90	cps
Uranium	238-1	1097146	1072045	1132799	1100664	2.77	cps
Vanadium	51-2	121246	117512	115683	118147	2.40	cps
Ytterbium	172-1	1542	1859	1508	1636	11.81	cps
Ytterbium	172-2	778	756	806	780	3.21	cps
Ytterbium	176-1	3351	3100	3384	3278	4.72	cps
Ytterbium	176-2	9631	9409	9737	9593	1.75	cps
Yttrium	89-1	13974010	14305335	14246405	14175250	1.25	cps
Yttrium	89-2	1690740	1701449	1720078	1704089	0.87	cps
Zinc	66-2	25500	25840	24892	25411	1.89	cps
Zirconium	90-1	823789	848918	858829	843845	2.14	cps
Zirconium	91-1	188464	187569	191590	189208	1.12	cps

LB Number :	LB125034	Operator :	Jaswal
Lab Sample ID :	O2224-30ADLX5	Instrumnet Name :	P8
Client Sample ID :	OU3-FC-BACKFILL-15AI	Dilution Factor :	5
Date & Time Acquired :	2023-04-18 15:05:34	DataFile Name :	049AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	133700	130568	129401	131223	1.69	cps
Antimony	121-1	413344	421201	421554	418699	1.11	cps
Arsenic	75-2	14600	14469	14155	14408	1.59	cps
Barium	135-1	523109	525491	526084	524895	0.30	cps
Barium	137-1	909415	902143	893150	901569	0.90	cps
Beryllium	9-1	167804	169924	172655	170128	1.43	cps
Bismuth	209-1	5006626	4996873	5092954	5032151	1.05	cps
Bismuth	209-2	2883677	2919454	3016399	2939843	2.34	cps
Boron	10-1	51018	53579	55322	53306	4.06	cps
Boron	11-1	227937	243316	248886	240046	4.52	cps
Bromine	81-1	34310	33291	34134	33912	1.61	cps
Cadmium	111-1	116245	117004	119945	117731	1.66	cps
Cadmium	106-1	20065	20482	20324	20290	1.04	cps
Cadmium	108-1	9495	9478	9620	9531	0.81	cps
Calcium	43-1	1388188	1371014	1408871	1389358	1.36	cps
Calcium	44-1	22111846	21957327	22308953	22126042	0.80	cps
Carbon	12-1	4470177	4557230	4613023	4546810	1.58	cps
Carbon	12-2	54092	53264	52545	53300	1.45	cps
Chlorine	35-1	263831	261252	260910	261998	0.61	cps
Chlorine	35-2	1800	1917	1950	1889	4.17	cps
Chromium	52-2	135838	131189	130480	132502	2.20	cps
Cobalt	59-2	256432	257926	249803	254720	1.70	cps
Copper	63-2	1984211	1979548	1883049	1948936	2.93	cps
Dysprosium	156-1	3342	3559	3309	3403	3.99	cps
Dysprosium	156-2	1587	1463	1577	1542	4.44	cps
Erbium	164-1	4509	4676	4968	4718	4.92	cps
Erbium	164-2	2050	2167	2007	2075	3.99	cps
Gadolinium	160-1	3501	3459	3459	3473	0.69	cps
Gadolinium	160-2	1873	1917	1830	1873	2.31	cps
Holmium	165-1	8358848	8269132	8553509	8393830	1.73	cps
Holmium	165-2	4210474	4239474	4193517	4214488	0.55	cps
Indium	115-1	7331799	7366760	7552858	7417139	1.60	cps
Indium	115-2	1262177	1264724	1251439	1259447	0.56	cps
Iron	54-2	1139248	1082716	1075199	1099054	3.19	cps
Iron	56-2	21256882	20886803	20101923	20748536	2.84	cps
Iron	57-2	511587	510037	485080	502235	2.96	cps

LB Number :	LB125034	Operator :	Jaswal
Lab Sample ID :	O2224-30ADLX5	Instrumnet Name :	P8
Client Sample ID :	OU3-FC-BACKFILL-15A	Dilution Factor :	5
Date & Time Acquired :	2023-04-18 15:05:34	DataFile Name :	049AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Krypton	83-1	332	356	335	341	3.82	cps
Lead	206-1	1180544	1210686	1186362	1192530	1.34	cps
Lead	207-1	1059094	1052359	1063583	1058345	0.53	cps
Lead	208-1	4985699	4980972	5067691	5011454	0.97	cps
Lithium	6-1	3740195	3792634	3905054	3812628	2.21	cps
Magnesium	24-2	1843288	1758981	1777356	1793208	2.47	cps
Manganese	55-2	1148713	1117454	1094834	1120333	2.41	cps
Molybdenum	94-1	869462	864044	839709	857738	1.85	cps
Molybdenum	95-1	983989	972738	970215	975648	0.75	cps
Molybdenum	96-1	1100972	1086872	1100339	1096061	0.73	cps
Molybdenum	97-1	602833	617370	601905	607369	1.43	cps
Molybdenum	98-1	1602888	1635607	1538091	1592195	3.12	cps
Neodymium	150-1	3234	3127	3387	3249	4.02	cps
Neodymium	150-2	1113	1130	1180	1141	3.04	cps
Nickel	60-2	65647	65788	65517	65651	0.21	cps
Phosphorus	31-2	250	233	292	258	11.63	cps
Potassium	39-2	440995	429329	419298	429874	2.53	cps
Rhodium	103-1	7431637	7285400	7122920	7279986	2.12	cps
Rhodium	103-2	3409739	3488572	3402913	3433741	1.39	cps
Scandium	45-1	5984443	5936093	5988527	5969688	0.49	cps
Scandium	45-2	199776	199440	196616	198611	0.87	cps
Selenium	82-1	10557	10809	10683	10683	1.18	cps
Selenium	77-2	357	340	387	361	6.55	cps
Selenium	78-2	1192	1280	1186	1220	4.32	cps
Silicon	28-1	14807820	14564022	14757300	14709714	0.87	cps
Silver	107-1	583297	592525	577433	584419	1.30	cps
Silver	109-1	552442	563382	568180	561335	1.44	cps
Sodium	23-2	7023664	6729511	6710634	6821270	2.57	cps
Strontium	86-1	334693	329559	324920	329724	1.48	cps
Strontium	88-1	2909337	2928746	2911292	2916458	0.37	cps
Sulfur	34-1	2320882	2255815	2238774	2271824	1.91	cps
Terbium	159-1	8839850	8742115	8883367	8821778	0.82	cps
Terbium	159-2	4194669	4239871	4170271	4201604	0.84	cps
Thallium	203-1	360361	367550	359402	362438	1.23	cps
Thallium	205-1	848356	878495	856602	861151	1.81	cps
Tin	118-1	364214	364508	367084	365269	0.43	cps

LB Number :	LB125034	Operator :	Jaswal
Lab Sample ID :	O2224-30ADLX5	Instrumnet Name :	P8
Client Sample ID :	OU3-FC-BACKFILL-15A	Dilution Factor :	5
Date & Time Acquired :	2023-04-18 15:05:34	DataFile Name :	049AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Titanium	47-1	321500	325387	328590	325159	1.09	cps
Uranium	238-1	1107012	1093922	1119739	1106891	1.17	cps
Vanadium	51-2	121219	118627	116547	118798	1.97	cps
Ytterbium	172-1	1775	1433	1425	1545	12.93	cps
Ytterbium	172-2	722	767	728	739	3.28	cps
Ytterbium	176-1	3567	3634	3509	3570	1.75	cps
Ytterbium	176-2	9398	9270	9526	9398	1.36	cps
Yttrium	89-1	13951642	13964322	13920952	13945639	0.16	cps
Yttrium	89-2	1654616	1716093	1670550	1680420	1.90	cps
Zinc	66-2	26007	25660	24762	25476	2.52	cps
Zirconium	90-1	832898	842624	844530	840017	0.74	cps
Zirconium	91-1	186405	188944	187654	187668	0.68	cps

LB Number :	LB125034	Operator :	Jaswal
Lab Sample ID :	PB152017TB	Instrumnet Name :	P8
Client Sample ID :	PB152017TB	Dilution Factor :	1
Date & Time Acquired :	2023-04-18 15:08:31	DataFile Name :	050AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	74	69	87	77	12.67	cps
Antimony	121-1	375	292	575	414	35.18	cps
Arsenic	75-2	9	3	4	5	60.27	cps
Barium	135-1	42	25	42	36	26.65	cps
Barium	137-1	67	25	25	39	61.86	cps
Beryllium	9-1	255	225	221	234	7.91	cps
Bismuth	209-1	5179009	5118069	5335816	5210965	2.16	cps
Bismuth	209-2	2983575	2688574	3090470	2920873	7.13	cps
Boron	10-1	7580	6860	6568	7003	7.44	cps
Boron	11-1	32621	31020	29143	30928	5.63	cps
Bromine	81-1	33316	34051	34653	34006	1.97	cps
Cadmium	111-1	623	571	611	602	4.57	cps
Cadmium	106-1	6110	5668	5910	5896	3.75	cps
Cadmium	108-1	13	13	25	17	43.30	cps
Calcium	43-1	219	155	156	177	20.63	cps
Calcium	44-1	17626	17056	16951	17211	2.11	cps
Carbon	12-1	3875235	3791721	3787060	3818005	1.30	cps
Carbon	12-2	42345	43298	43322	42988	1.30	cps
Chlorine	35-1	235316	234045	234078	234480	0.31	cps
Chlorine	35-2	1842	1583	1834	1753	8.38	cps
Chromium	52-2	557	547	587	563	3.70	cps
Cobalt	59-2	57	53	43	51	13.58	cps
Copper	63-2	1063	1023	1027	1038	2.14	cps
Dysprosium	156-1	25	8	8	14	69.31	cps
Dysprosium	156-2	3	17	0	7	132.33	cps
Erbium	164-1	50	75	100	75	33.33	cps
Erbium	164-2	40	20	40	33	34.64	cps
Gadolinium	160-1	67	67	92	75	19.24	cps
Gadolinium	160-2	143	143	120	136	9.94	cps
Holmium	165-1	8675819	8297168	8364510	8445832	2.39	cps
Holmium	165-2	4214741	3739947	4203215	4052634	6.68	cps
Indium	115-1	7767810	7629025	7528042	7641626	1.58	cps
Indium	115-2	1293232	1132799	1282355	1236129	7.25	cps
Iron	54-2	728	822	761	770	6.22	cps
Iron	56-2	5084	4945	5351	5127	4.02	cps
Iron	57-2	289	244	239	257	10.65	cps

LB Number :	LB125034	Operator :	Jaswal
Lab Sample ID :	PB152017TB	Instrumnet Name :	P8
Client Sample ID :	PB152017TB	Dilution Factor :	1
Date & Time Acquired :	2023-04-18 15:08:31	DataFile Name :	050AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Krypton	83-1	359	329	352	347	4.57	cps
Lead	206-1	500	550	428	493	12.47	cps
Lead	207-1	389	422	483	431	11.10	cps
Lead	208-1	1900	2100	1995	1998	5.01	cps
Lithium	6-1	3942396	3839595	3744431	3842141	2.58	cps
Magnesium	24-2	525	367	475	456	17.77	cps
Manganese	55-2	113	77	120	103	22.58	cps
Molybdenum	94-1	342	283	275	300	12.11	cps
Molybdenum	95-1	417	308	342	356	15.60	cps
Molybdenum	96-1	367	233	283	294	22.88	cps
Molybdenum	97-1	208	183	208	200	7.22	cps
Molybdenum	98-1	450	325	250	342	29.57	cps
Neodymium	150-1	0	20	7	9	114.55	cps
Neodymium	150-2	0	0	3	1	173.21	cps
Nickel	60-2	70	70	73	71	2.70	cps
Phosphorus	31-2	275	292	308	292	5.71	cps
Potassium	39-2	31318	31769	31318	31468	0.83	cps
Rhodium	103-1	7596752	7365331	7423490	7461858	1.61	cps
Rhodium	103-2	3609953	3193754	3541850	3448519	6.47	cps
Scandium	45-1	6191230	6024301	5869653	6028395	2.67	cps
Scandium	45-2	202063	178505	205421	195329	7.51	cps
Selenium	82-1	0	35	8	14	130.08	cps
Selenium	77-2	0	0	0	0	0.00	cps
Selenium	78-2	60	57	62	60	4.22	cps
Silicon	28-1	824608	815650	815734	818664	0.63	cps
Silver	107-1	208	217	150	192	18.95	cps
Silver	109-1	75	75	133	94	35.66	cps
Sodium	23-2	30449	30374	29572	30132	1.61	cps
Strontium	86-1	558	567	508	544	5.79	cps
Strontium	88-1	667	300	292	419	51.05	cps
Sulfur	34-1	468291	467792	476349	470811	1.02	cps
Terbium	159-1	8663258	8821318	8866123	8783566	1.21	cps
Terbium	159-2	4219414	3714002	4195874	4043097	7.06	cps
Thallium	203-1	300	242	333	292	15.91	cps
Thallium	205-1	700	600	758	686	11.67	cps
Tin	118-1	567	600	575	581	2.99	cps

LB Number :	LB125034	Operator :	Jaswal
Lab Sample ID :	PB152017TB	Instrumnet Name :	P8
Client Sample ID :	PB152017TB	Dilution Factor :	1
Date & Time Acquired :	2023-04-18 15:08:31	DataFile Name :	050AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Titanium	47-1	217	142	200	186	21.16	cps
Uranium	238-1	117	67	25	69	66.09	cps
Vanadium	51-2	10	7	17	11	45.82	cps
Ytterbium	172-1	67	75	50	64	19.92	cps
Ytterbium	172-2	33	17	22	24	35.24	cps
Ytterbium	176-1	1575	1550	1742	1622	6.42	cps
Ytterbium	176-2	8336	7669	9570	8525	11.32	cps
Yttrium	89-1	14385251	14359380	13758192	14167608	2.50	cps
Yttrium	89-2	1711151	1474551	1723248	1636317	8.57	cps
Zinc	66-2	157	130	110	132	17.71	cps
Zirconium	90-1	683	650	817	717	12.31	cps
Zirconium	91-1	108	50	150	103	48.87	cps

LB Number :	LB125034	Operator :	Jaswal
Lab Sample ID :	CCV30	Instrumnet Name :	P8
Client Sample ID :	CCV30	Dilution Factor :	1
Date & Time Acquired :	2023-04-18 15:22:34	DataFile Name :	051CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	2396526	2350894	2288317	2345246	2.32	cps
Antimony	121-1	2123319	2149726	2088563	2120536	1.45	cps
Arsenic	75-2	71278	69450	68832	69854	1.82	cps
Barium	135-1	2653198	2721330	2652298	2675609	1.48	cps
Barium	137-1	4504270	4574839	4479884	4519664	1.09	cps
Beryllium	9-1	840792	847749	845707	844749	0.42	cps
Bismuth	209-1	4976273	4814776	4713945	4834998	2.74	cps
Bismuth	209-2	2854367	2890793	2892153	2879104	0.74	cps
Boron	10-1	96265	103830	106374	102156	5.15	cps
Boron	11-1	428816	459200	468760	452259	4.61	cps
Bromine	81-1	33049	32923	33466	33146	0.86	cps
Cadmium	111-1	561039	571191	560972	564401	1.04	cps
Cadmium	106-1	72030	74578	73187	73265	1.74	cps
Cadmium	108-1	48606	49455	47837	48633	1.66	cps
Calcium	43-1	4283513	4324463	4386070	4331349	1.19	cps
Calcium	44-1	68730531	67924315	68585869	68413572	0.63	cps
Carbon	12-1	4848112	4913259	4960283	4907218	1.15	cps
Carbon	12-2	61236	59094	59781	60037	1.82	cps
Chlorine	35-1	288433	294697	291448	291526	1.07	cps
Chlorine	35-2	2150	1883	1967	2000	6.82	cps
Chromium	52-2	714425	699556	693197	702393	1.55	cps
Cobalt	59-2	1206559	1193007	1159510	1186358	2.04	cps
Copper	63-2	10243021	9927029	9922615	10030889	1.83	cps
Dysprosium	156-1	675	525	400	533	25.82	cps
Dysprosium	156-2	303	213	230	249	19.24	cps
Erbium	164-1	117	125	67	103	30.69	cps
Erbium	164-2	27	67	50	48	42.05	cps
Gadolinium	160-1	525	600	450	525	14.29	cps
Gadolinium	160-2	360	430	370	387	9.79	cps
Holmium	165-1	8420256	8337161	8314334	8357250	0.67	cps
Holmium	165-2	4374262	4235429	4480621	4363437	2.82	cps
Indium	115-1	7546941	7219757	7494500	7420399	2.37	cps
Indium	115-2	1264318	1262885	1269186	1265463	0.26	cps
Iron	54-2	8419911	8132574	7973986	8175490	2.76	cps
Iron	56-2	153331987	153364431	144425003	150373807	3.43	cps
Iron	57-2	3876535	3771999	3689765	3779433	2.48	cps

LB Number :	LB125034	Operator :	Jaswal
Lab Sample ID :	CCV30	Instrumnet Name :	P8
Client Sample ID :	CCV30	Dilution Factor :	1
Date & Time Acquired :	2023-04-18 15:22:34	DataFile Name :	051CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Krypton	83-1	337	327	337	334	1.73	cps
Lead	206-1	7648129	7555488	7544579	7582732	0.75	cps
Lead	207-1	6562496	6744772	6822539	6709936	1.99	cps
Lead	208-1	30396726	30464777	30466944	30442816	0.13	cps
Lithium	6-1	3781752	3749116	3697773	3742880	1.13	cps
Magnesium	24-2	31128461	29851413	29777210	30252361	2.51	cps
Manganese	55-2	4202770	4037025	3937209	4059001	3.30	cps
Molybdenum	94-1	9011317	9060797	8951897	9008004	0.61	cps
Molybdenum	95-1	13547150	13338227	13134235	13339870	1.55	cps
Molybdenum	96-1	14441145	14417055	14593719	14483973	0.66	cps
Molybdenum	97-1	8203457	8266424	8243439	8237773	0.39	cps
Molybdenum	98-1	20971880	21485032	21047886	21168266	1.31	cps
Neodymium	150-1	347	253	300	300	15.56	cps
Neodymium	150-2	13	57	17	29	83.48	cps
Nickel	60-2	323658	321885	316541	320694	1.16	cps
Phosphorus	31-2	27936	26533	28504	27658	3.67	cps
Potassium	39-2	11471694	11360469	11037180	11289781	2.00	cps
Rhodium	103-1	7086584	7132077	7121243	7113301	0.33	cps
Rhodium	103-2	3392341	3343578	3417475	3384465	1.11	cps
Scandium	45-1	6172887	6086222	6044287	6101132	1.07	cps
Scandium	45-2	206381	206285	211148	207938	1.34	cps
Selenium	82-1	51097	52018	51660	51592	0.90	cps
Selenium	77-2	1873	1770	1793	1812	2.99	cps
Selenium	78-2	6077	5846	5958	5960	1.94	cps
Silicon	28-1	3520716	3738002	3796720	3685146	3.95	cps
Silver	107-1	3202796	3144779	3135130	3160902	1.16	cps
Silver	109-1	2994915	3075883	2946514	3005771	2.17	cps
Sodium	23-2	54620130	53396976	52515922	53511010	1.97	cps
Strontium	86-1	19905706	20468387	20069921	20148005	1.44	cps
Strontium	88-1	172063041	174425200	170913325	172467189	1.04	cps
Sulfur	34-1	852455	841121	839545	844374	0.83	cps
Terbium	159-1	9070295	9030766	8927339	9009467	0.82	cps
Terbium	159-2	4303851	4455204	4365202	4374752	1.74	cps
Thallium	203-1	1905981	1950933	1888996	1915303	1.67	cps
Thallium	205-1	4430318	4432885	4406714	4423306	0.33	cps
Tin	118-1	1884417	1948495	1928238	1920384	1.71	cps

LB Number :	LB125034	Operator :	Jaswal
Lab Sample ID :	CCV30	Instrumnet Name :	P8
Client Sample ID :	CCV30	Dilution Factor :	1
Date & Time Acquired :	2023-04-18 15:22:34	DataFile Name :	051CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Titanium	47-1	4194298	4180316	4235186	4203266	0.68	cps
Uranium	238-1	5595569	5732542	5790254	5706122	1.75	cps
Vanadium	51-2	573134	558283	553241	561553	1.84	cps
Ytterbium	172-1	175	217	233	208	14.42	cps
Ytterbium	172-2	100	94	106	100	5.55	cps
Ytterbium	176-1	9003	9570	9078	9217	3.34	cps
Ytterbium	176-2	12890	13196	12439	12842	2.96	cps
Yttrium	89-1	14390399	14209169	14137987	14245852	0.91	cps
Yttrium	89-2	1725152	1689181	1734388	1716240	1.39	cps
Zinc	66-2	1216643	1196903	1173308	1195618	1.81	cps
Zirconium	90-1	4454120	4557000	4459441	4490187	1.29	cps
Zirconium	91-1	962139	990595	972798	975177	1.47	cps

LB Number :	LB125034	Operator :	Jaswal
Lab Sample ID :	CCB30	Instrumnet Name :	P8
Client Sample ID :	CCB30	Dilution Factor :	1
Date & Time Acquired :	2023-04-18 15:33:23	DataFile Name :	052CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	52	69	76	66	18.44	cps
Antimony	121-1	158	183	292	211	33.57	cps
Arsenic	75-2	2	2	2	2	0.00	cps
Barium	135-1	50	0	0	17	173.21	cps
Barium	137-1	92	25	58	58	57.15	cps
Beryllium	9-1	214	161	146	174	20.40	cps
Bismuth	209-1	5205277	5210515	5028652	5148148	2.01	cps
Bismuth	209-2	3094727	3048780	3129814	3091107	1.31	cps
Boron	10-1	2436	2312	2392	2380	2.64	cps
Boron	11-1	9971	10266	10100	10112	1.46	cps
Bromine	81-1	34652	35003	33491	34382	2.30	cps
Cadmium	111-1	583	594	541	573	4.91	cps
Cadmium	106-1	5560	5743	5476	5593	2.44	cps
Cadmium	108-1	21	25	33	26	24.12	cps
Calcium	43-1	187	139	114	147	25.57	cps
Calcium	44-1	17115	16294	16117	16508	3.22	cps
Carbon	12-1	3755580	3611652	3680135	3682456	1.96	cps
Carbon	12-2	41091	42103	42955	42050	2.22	cps
Chlorine	35-1	213507	210210	210099	211272	0.92	cps
Chlorine	35-2	1567	1575	1400	1514	6.52	cps
Chromium	52-2	613	613	497	574	11.73	cps
Cobalt	59-2	80	43	63	62	29.51	cps
Copper	63-2	963	960	1040	988	4.58	cps
Dysprosium	156-1	0	25	8	11	114.58	cps
Dysprosium	156-2	0	10	3	4	114.60	cps
Erbium	164-1	58	108	100	89	30.14	cps
Erbium	164-2	27	30	23	27	12.51	cps
Gadolinium	160-1	92	92	25	69	55.43	cps
Gadolinium	160-2	117	127	117	120	4.81	cps
Holmium	165-1	8527680	8355484	8371763	8418309	1.13	cps
Holmium	165-2	4222573	4256561	4215184	4231439	0.52	cps
Indium	115-1	7463761	7778438	7521739	7587979	2.21	cps
Indium	115-2	1316993	1284015	1290115	1297041	1.35	cps
Iron	54-2	728	689	772	730	5.72	cps
Iron	56-2	4517	4529	4751	4599	2.86	cps
Iron	57-2	272	189	294	252	22.10	cps

LB Number :	LB125034	Operator :	Jaswal
Lab Sample ID :	CCB30	Instrumnet Name :	P8
Client Sample ID :	CCB30	Dilution Factor :	1
Date & Time Acquired :	2023-04-18 15:33:23	DataFile Name :	052CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Krypton	83-1	304	324	344	324	6.18	cps
Lead	206-1	561	483	461	502	10.46	cps
Lead	207-1	444	344	422	404	13.01	cps
Lead	208-1	2106	1822	2128	2019	8.44	cps
Lithium	6-1	3744045	3664229	3667871	3692048	1.22	cps
Magnesium	24-2	383	392	408	394	3.23	cps
Manganese	55-2	77	93	110	93	17.86	cps
Molybdenum	94-1	417	258	217	297	35.50	cps
Molybdenum	95-1	408	275	267	317	25.10	cps
Molybdenum	96-1	492	250	242	328	43.32	cps
Molybdenum	97-1	217	133	125	158	32.01	cps
Molybdenum	98-1	642	308	217	389	57.51	cps
Neodymium	150-1	20	7	7	11	69.25	cps
Neodymium	150-2	0	0	3	1	173.21	cps
Nickel	60-2	67	57	80	68	17.27	cps
Phosphorus	31-2	300	258	175	244	26.04	cps
Potassium	39-2	31184	31744	33064	31997	3.02	cps
Rhodium	103-1	7651951	7556342	7317766	7508686	2.29	cps
Rhodium	103-2	3568017	3493595	3532749	3531453	1.05	cps
Scandium	45-1	6041171	6013593	5998927	6017897	0.36	cps
Scandium	45-2	203144	200447	206258	203283	1.43	cps
Selenium	82-1	20	16	34	23	39.50	cps
Selenium	77-2	3	0	0	1	173.21	cps
Selenium	78-2	73	72	68	71	3.73	cps
Silicon	28-1	826811	821594	820367	822924	0.42	cps
Silver	107-1	92	100	142	111	24.11	cps
Silver	109-1	175	50	75	100	66.15	cps
Sodium	23-2	29213	29589	28854	29219	1.26	cps
Strontium	86-1	1058	558	667	761	34.56	cps
Strontium	88-1	2392	567	392	1117	99.20	cps
Sulfur	34-1	482065	488762	483501	484776	0.73	cps
Terbium	159-1	8819759	8874773	8678652	8791061	1.15	cps
Terbium	159-2	4269981	4317081	4391936	4326333	1.42	cps
Thallium	203-1	208	208	217	211	2.28	cps
Thallium	205-1	392	442	533	456	15.77	cps
Tin	118-1	500	600	492	531	11.36	cps

LB Number :	LB125034	Operator :	Jaswal
Lab Sample ID :	CCB30	Instrumnet Name :	P8
Client Sample ID :	CCB30	Dilution Factor :	1
Date & Time Acquired :	2023-04-18 15:33:23	DataFile Name :	052CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Titanium	47-1	183	158	167	169	7.51	cps
Uranium	238-1	167	75	17	86	87.81	cps
Vanadium	51-2	17	3	0	7	132.33	cps
Ytterbium	172-1	50	25	33	36	35.25	cps
Ytterbium	172-2	11	28	39	26	53.93	cps
Ytterbium	176-1	1558	1358	1392	1436	7.46	cps
Ytterbium	176-2	8747	9037	9081	8955	2.02	cps
Yttrium	89-1	14348410	14098942	14130717	14192690	0.96	cps
Yttrium	89-2	1745753	1705097	1666036	1705629	2.34	cps
Zinc	66-2	153	137	80	123	31.17	cps
Zirconium	90-1	592	600	533	575	6.32	cps
Zirconium	91-1	42	108	117	89	46.24	cps