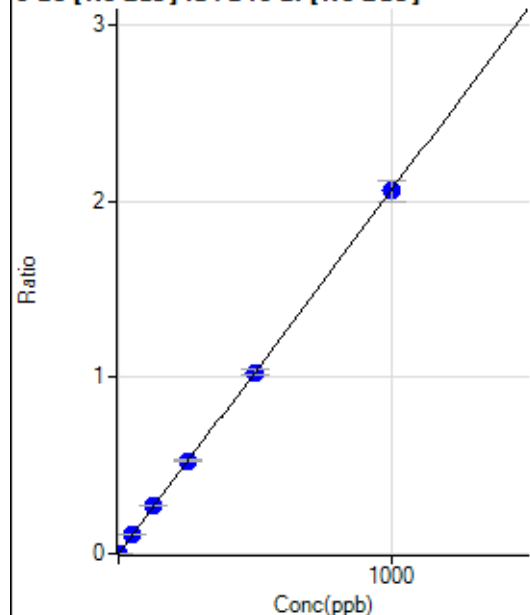


Batch Folder: D:\P8011819MS.b\
Analysis File: P8011819MS.batch.bin
DA Date-Time: 2019-01-18 16:06:06
Calibration Title:
Calibration Method: External Calibration
VIS Interpolation Fit:

Level	Standard Data File	Sample Name	Acq. Date-Time
1	003CALB.d	S00	2019-01-18 15:29:16
2			
3	005CAL.S.d	S02	2019-01-18 15:36:51
4	006CAL.S.d	S03	2019-01-18 15:40:49
5	007CAL.S.d	S04	2019-01-18 15:44:45
6	008CAL.S.d	S05	2019-01-18 15:48:40
7	009CAL.S.d	S06	2019-01-18 15:52:28
8	010CAL.S.d	S07	2019-01-18 15:56:12
9	011CAL.S.d	S08	2019-01-18 15:59:48

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	24.44	0.0001	P	8.7
2	☐	0.100					
3	☐	1.000	1.003	882.26	0.0021	P	1.8
4	☐	50.000	52.272	45151.82	0.1079	P	2.6
5	☐	125.000	131.983	117070.61	0.2723	P	1.1
6	☐	250.000	255.321	233541.52	0.5267	P	1.6
7	☐	500.000	499.249	463465.34	1.0298	P	3.4
8	☐	1000.000	998.059	919020.55	2.0586	P	5.6
9	☐			103.34	0.0003	P	7.9

$$y = 0.0021 * x + 5.9591E-005$$

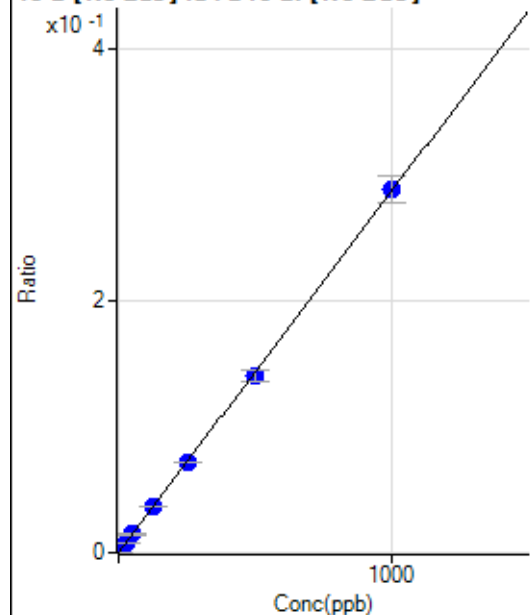
$$R = 1.0000$$

$$DL = 0.007516$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	88.90	0.0002	P	38.7
2	☐	2.500					
3	☐	25.000	24.178	2958.78	0.0071	P	6.2
4	☐	50.000	52.214	6337.76	0.0152	P	9.8
5	☐	125.000	127.787	15820.52	0.0368	P	0.7
6	☐	250.000	249.015	31705.42	0.0715	P	1.4
7	☐	500.000	489.990	63187.58	0.1405	P	5.7
8	☐	1000.000	1004.813	128409.38	0.2878	P	7.6
9	☐			2953.23	0.0074	P	9.1

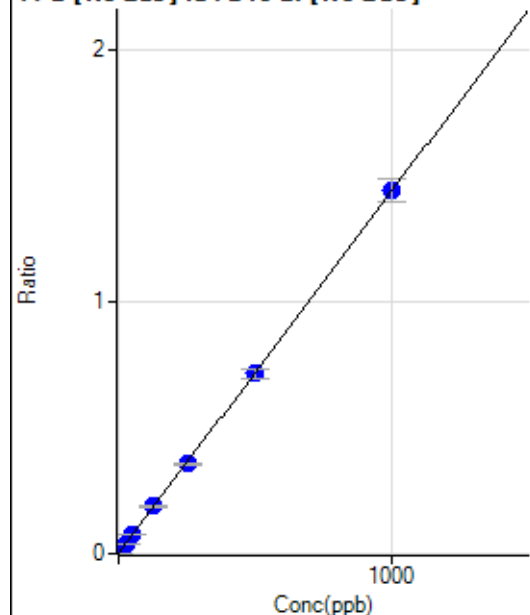
$$y = 2.8623E-004 * x + 2.1719E-004$$

$$R = 0.9999$$

$$DL = 0.8811$$

Weight: <None>

Min Conc: 0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	469.47	0.0011	P	16.4
2	☐	2.500					
3	☐	25.000	23.488	14480.03	0.0349	P	0.9
4	☐	50.000	52.815	32248.42	0.0771	P	4.2
5	☐	125.000	130.790	81320.53	0.1892	P	2.9
6	☐	250.000	247.633	158366.60	0.3571	P	1.6
7	☐	500.000	496.761	321790.28	0.7153	P	5.2
8	☐	1000.000	1001.384	643001.39	1.4407	P	6.3
9	☐			13367.93	0.0333	P	6.9

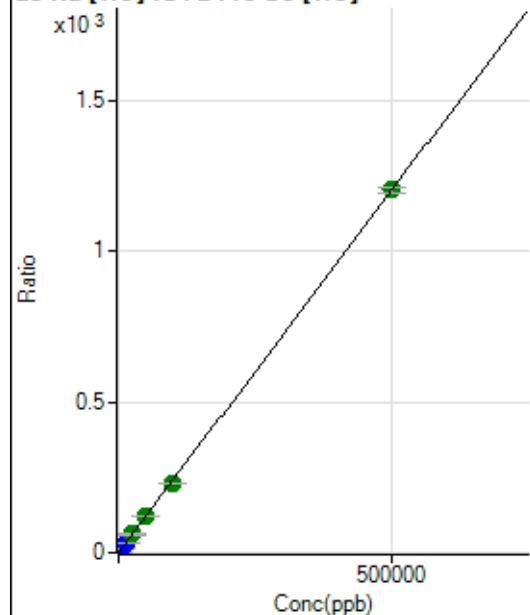
$$y = 0.0014 * x + 0.0011$$

$$R = 1.0000$$

$$DL = 0.3922$$

Weight: <None>

Min Conc: 0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	11215.99	0.3490	P	2.3
2	☐	50.000					
3	☐	500.000	495.493	48996.49	1.5397	P	2.1
4	☐	5000.000	5232.381	425993.05	12.9222	P	1.8
5	☐	12500.000	13204.630	1040532.60	32.0791	P	6.5
6	☐	25000.000	25558.439	2090168.62	61.7647	A	4.5
7	☐	50000.000	49666.509	4133165.11	119.6952	A	1.5
8	☐	100000.00	95701.368	8130909.04	230.3147	A	0.9
9	☐	500000.00	500845.21	41463643.63	1,203.855	A	1.3

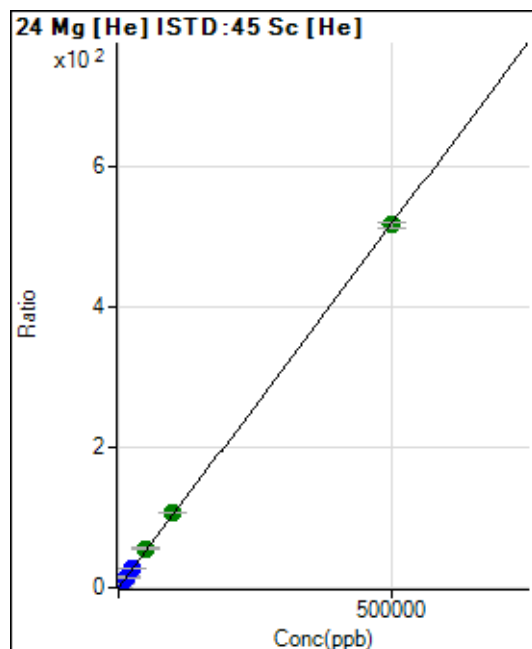
$$y = 0.0024 * x + 0.3490$$

$$R = 1.0000$$

$$DL = 10.01$$

Weight: <None>

Min Conc: 0



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	400.02	0.0124	P	5.1
2	☐	50.000					
3	☐	500.000	512.946	17311.19	0.5439	P	1.1
4	☐	5000.000	5572.855	190712.98	5.7860	P	2.8
5	☐	12500.000	14064.006	472952.75	14.5830	P	6.9
6	☐	25000.000	26650.833	934692.83	27.6231	P	4.6
7	☐	50000.000	53902.699	1928784.87	55.8564	A	1.4
8	☐	100000.00	103253.39	3776708.51	106.9844	A	1.5
9	☐	500000.00	498831.66	17798907.34	516.8092	A	1.9

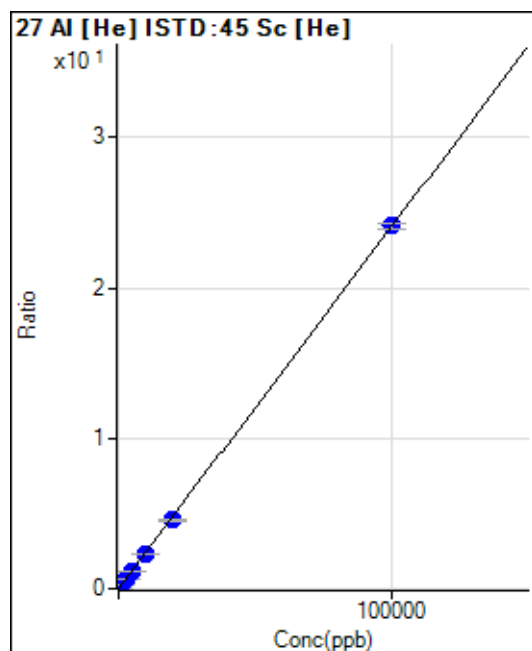
$$y = 0.0010 * x + 0.0124$$

$$R = 1.0000$$

$$DL = 1.823$$

Weight: <None>

Min Conc: 0



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	45.01	0.0014	P	9.3
2	☐	2.000					
3	☐	20.000	19.170	191.72	0.0060	P	11.6
4	☐	1000.000	1021.358	8148.62	0.2472	P	2.9
5	☐	2500.000	2580.419	20200.30	0.6225	P	5.2
6	☐	5000.000	4932.072	40221.65	1.1885	P	4.1
7	☐	10000.000	9679.993	80500.31	2.3312	P	1.4
8	☐	20000.000	18923.282	160833.71	4.5560	P	1.7
9	☐	100000.00	100248.51	831032.71	24.1298	P	1.7

$$y = 2.4069E-004 * x + 0.0014$$

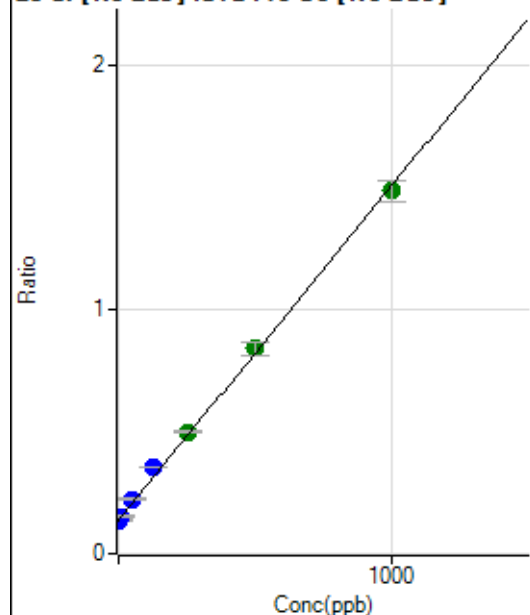
$$R = 0.9999$$

$$DL = 1.63$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	345824.06	0.1374	P	1.7
2	☐	1.000					
3	☐	10.000	11.219	385121.11	0.1528	P	1.5
4	☐	50.000	63.528	560888.48	0.2245	P	5.1
5	☐	125.000	158.134	890107.42	0.3541	P	1.3
6	☐	250.000	264.001	1291612.52	0.4992	A	1.7
7	☐	500.000	513.668	2243799.79	0.8413	A	6.9
8	☐	1000.000	984.835	4002910.46	1.4870	A	6.0
9	☐			469549.84	0.1893	P	4.4

$$y = 0.0014 * x + 0.1374$$

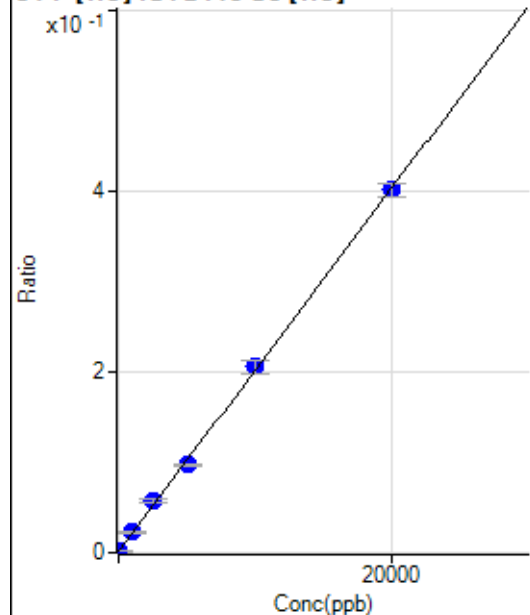
$$R = 0.9993$$

$$DL = 4.977$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	-35.039	13.89	0.0004	P	92.4
2	☐	0.000					
3	☐	0.000	35.039	58.34	0.0018	P	58.6
4	☐	1000.000	1095.072	761.17	0.0231	P	8.7
5	☐	2500.000	2788.109	1850.21	0.0571	P	8.4
6	☐	5000.000	4787.010	3292.20	0.0972	P	2.4
7	☐	10000.000	10187.419	7096.53	0.2056	P	7.2
8	☐	20000.000	19918.771	14146.52	0.4008	P	3.7
9	☐			22.22	0.0006	P	109.

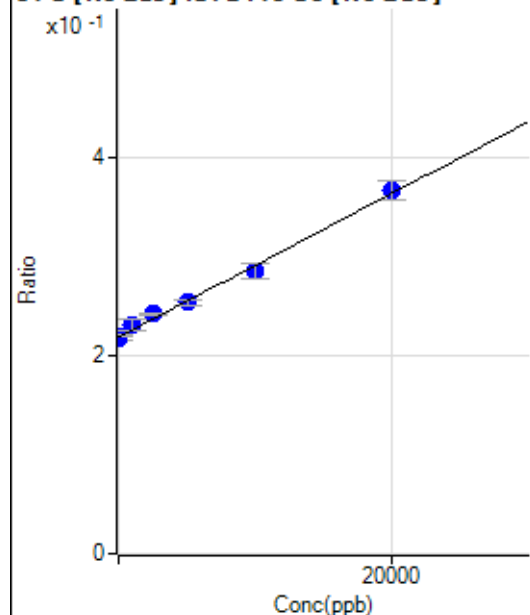
$$y = 2.0066E-005 * x + 0.0011$$

$$R = 0.9997$$

$$DL = 110.6$$

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	-168.346	548429.96	0.2180	P	2.4
2	☐	0.000					
3	☐	0.000	168.346	555513.17	0.2204	P	1.3
4	☐	1000.000	1705.127	578628.35	0.2316	P	5.2
5	☐	2500.000	3302.525	611362.82	0.2432	P	0.8
6	☐	5000.000	4826.400	657971.14	0.2543	P	1.9
7	☐	10000.000	9115.972	761787.33	0.2855	P	5.6
8	☐	20000.000	20349.842	988782.93	0.3672	P	5.3
9	☐			465731.59	0.1878	P	4.5

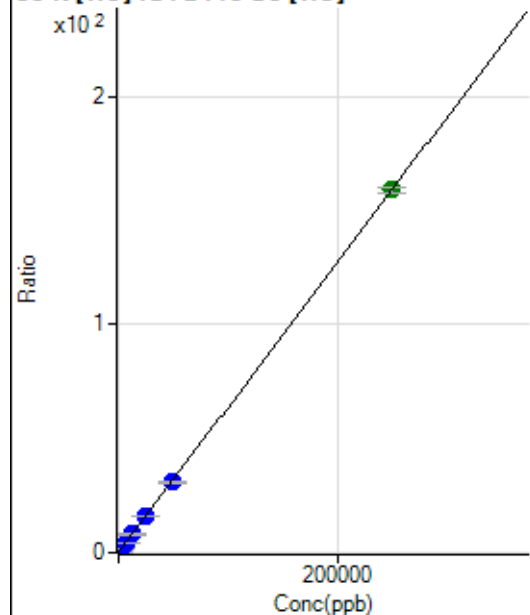
$$y = 7.2730\text{E-}006 * x + 0.2192$$

$$R = 0.9968$$

$$DL = 1657$$

Weight: <None>

Min Conc: 0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	6059.91	0.1886	P	3.3
2	☐	50.000					
3	☐	500.000	492.187	15940.17	0.5008	P	1.0
4	☐	2500.000	2539.629	59312.04	1.7995	P	3.0
5	☐	6250.000	6483.389	139532.71	4.3011	P	6.2
6	☐	12500.000	12394.510	272468.41	8.0507	P	4.1
7	☐	25000.000	24525.606	543733.18	15.7457	P	0.7
8	☐	50000.000	48221.570	1086485.13	30.7764	P	1.2
9	☐	250000.00	250402.18	5477375.60	159.0234	A	1.4

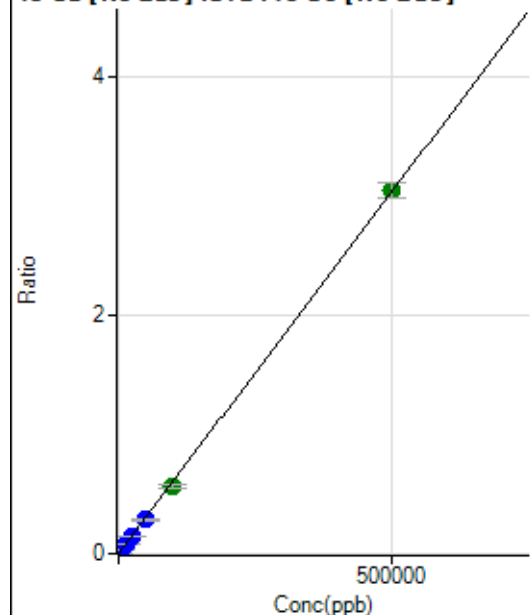
$$y = 6.3432\text{E-}004 * x + 0.1886$$

$$R = 1.0000$$

$$DL = 29.45$$

Weight: <None>

Min Conc: 0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	336.68	0.0001	P	1.8
2	☐	50.000					
3	☐	500.000	453.538	7278.66	0.0029	P	3.1
4	☐	5000.000	4876.885	74350.94	0.0298	P	4.9
5	☐	12500.000	12280.271	187825.25	0.0747	P	1.2
6	☐	25000.000	23788.460	374204.50	0.1446	P	1.5
7	☐	50000.000	47040.574	762589.61	0.2859	P	6.2
8	☐	100000.00	93012.016	1521514.13	0.5651	A	5.5
9	☐	500000.00	501760.88	7560695.17	3.0479	A	4.4

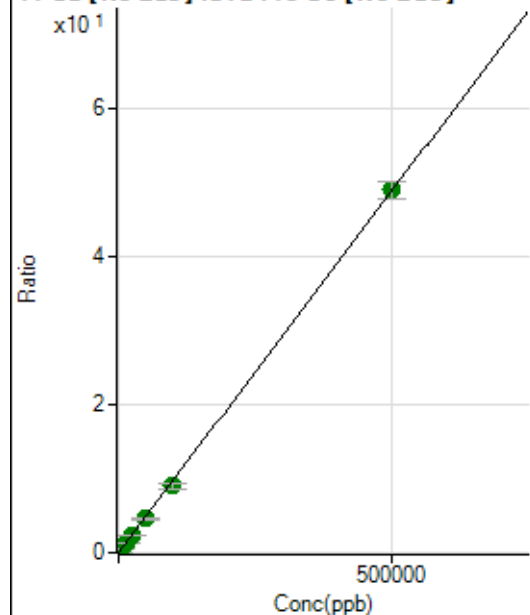
$$y = 6.0741\text{E-}006 * x + 1.3375\text{E-}004$$

$$R = 0.9999$$

$$DL = 1.204$$

Weight: <None>

Min Conc: 0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	37583.64	0.0149	P	2.0
2	☐	50.000					
3	☐	500.000	454.174	149396.92	0.0593	P	1.4
4	☐	5000.000	4939.700	1241901.86	0.4972	A	6.0
5	☐	12500.000	12378.334	3075225.27	1.2235	A	1.4
6	☐	25000.000	23716.144	6029692.76	2.3304	A	1.6
7	☐	50000.000	46575.177	12174806.35	4.5622	A	5.2
8	☐	100000.00	91701.505	24137881.03	8.9681	A	6.4
9	☐	500000.00	502070.06	121620758.1	49.0337	A	4.8

$$y = 9.7633\text{E-}005 * x + 0.0149$$

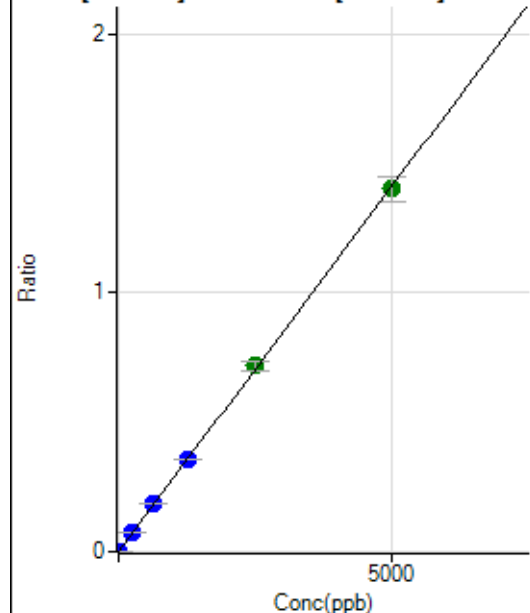
$$R = 0.9998$$

$$DL = 9.192$$

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	97.23	0.0000	P	9.9
2	☐	0.500					
3	☐	5.000	5.161	3767.35	0.0015	P	5.2
4	☐	250.000	260.695	183799.77	0.0736	P	5.0
5	☐	625.000	653.111	463058.55	0.1842	P	1.6
6	☐	1250.000	1260.076	919649.13	0.3554	P	0.6
7	☐	2500.000	2545.803	1915728.67	0.7180	A	5.8
8	☐	5000.000	4970.531	3772836.76	1.4019	A	6.7
9	☐			841.74	0.0003	P	15.6

$$y = 2.8203\text{E-}004 * x + 3.8639\text{E-}005$$

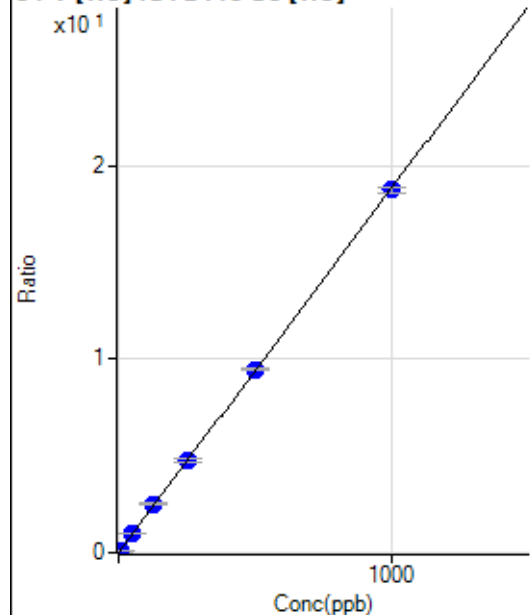
$$R = 0.9999$$

$$DL = 0.04077$$

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	18.89	0.0006	P	35.4
2	☐	0.500					
3	☐	5.000	5.279	3179.31	0.0999	P	2.4
4	☐	50.000	52.279	32445.56	0.9840	P	1.3
5	☐	125.000	133.003	81208.17	2.5026	P	5.5
6	☐	250.000	254.313	161932.70	4.7847	P	4.0
7	☐	500.000	503.925	327376.14	9.4804	P	0.9
8	☐	1000.000	995.843	661337.87	18.7343	P	1.7
9	☐			131.11	0.0038	P	15.4

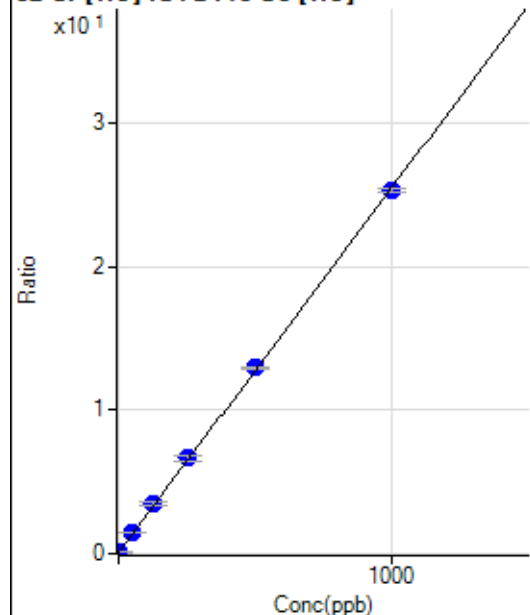
$$y = 0.0188 * x + 5.8587\text{E-}004$$

$$R = 1.0000$$

$$DL = 0.03309$$

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	1986.84	0.0618	P	3.8
2	☐	0.200					
3	☐	2.000	2.109	3674.99	0.1155	P	2.1
4	☐	50.000	53.807	47138.39	1.4300	P	2.4
5	☐	125.000	134.583	113048.48	3.4840	P	5.5
6	☐	250.000	258.710	224687.09	6.6403	P	4.7
7	☐	500.000	507.839	448051.85	12.9751	P	1.0
8	☐	1000.000	992.515	893159.15	25.2994	P	0.9
9	☐			9640.12	0.2799	P	2.4

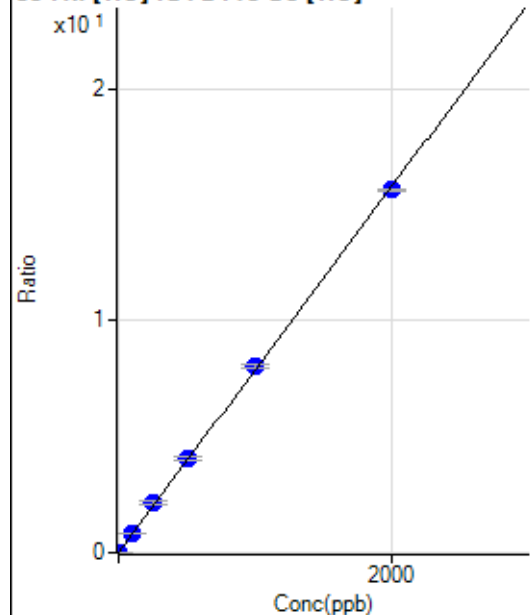
$$y = 0.0254 * x + 0.0618$$

$$R = 0.9999$$

$$DL = 0.2805$$

Weight: <None>

Min Conc: 0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	97.78	0.0030	P	23.1
2	☐	0.100					
3	☐	1.000	1.035	356.68	0.0112	P	1.9
4	☐	100.000	106.950	27891.34	0.8462	P	3.1
5	☐	250.000	271.066	69436.08	2.1401	P	5.7
6	☐	500.000	514.662	137378.66	4.0605	P	5.1
7	☐	1000.000	1020.120	277821.45	8.0455	P	1.2
8	☐	2000.000	1983.294	552129.87	15.6389	P	0.6
9	☐			2759.22	0.0801	P	6.3

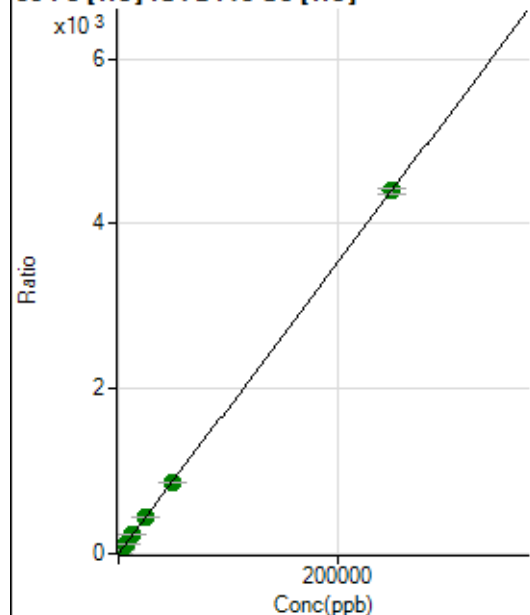
$$y = 0.0079 * x + 0.0030$$

$$R = 0.9999$$

$$DL = 0.2678$$

Weight: <None>

Min Conc: 0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	3909.92	0.1217	P	3.6
2	☐	5.000					
3	☐	50.000	55.806	35118.77	1.1037	P	3.4
4	☐	2500.000	2707.353	1574599.24	47.7644	A	1.7
5	☐	6250.000	6841.443	3909224.65	120.5141	A	6.4
6	☐	12500.000	12957.214	7719348.61	228.1365	A	4.8
7	☐	25000.000	25410.847	15446398.03	447.2895	A	0.7
8	☐	50000.000	49542.021	30783899.76	871.9382	A	0.5
9	☐	250000.00	250010.79	151525623.7	4,399.690	A	1.6

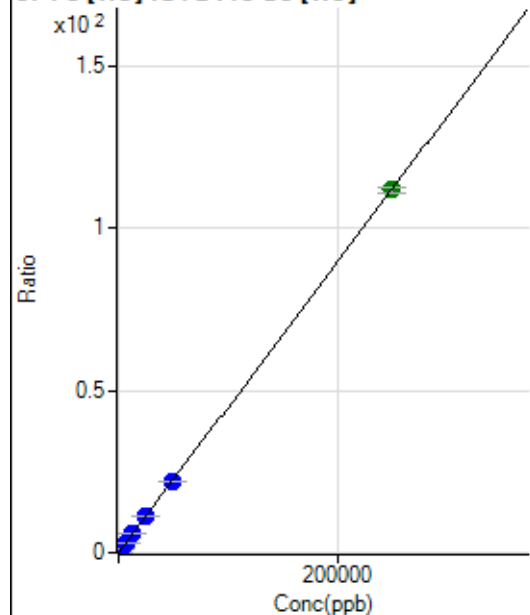
$$y = 0.0176 * x + 0.1217$$

$$R = 1.0000$$

$$DL = 0.7409$$

Weight: <None>

Min Conc: 0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	131.49	0.0041	P	6.5
2	☐	5.000					
3	☐	50.000	46.249	788.94	0.0248	P	5.8
4	☐	2500.000	2652.228	39229.92	1.1900	P	1.8
5	☐	6250.000	6702.962	97386.55	3.0013	P	5.6
6	☐	12500.000	12903.359	195407.26	5.7739	P	4.0
7	☐	25000.000	25322.442	391135.63	11.3271	P	1.5
8	☐	50000.000	49318.907	778703.58	22.0572	P	0.9
9	☐	250000.00	250070.96	3851324.63	111.8243	A	1.4

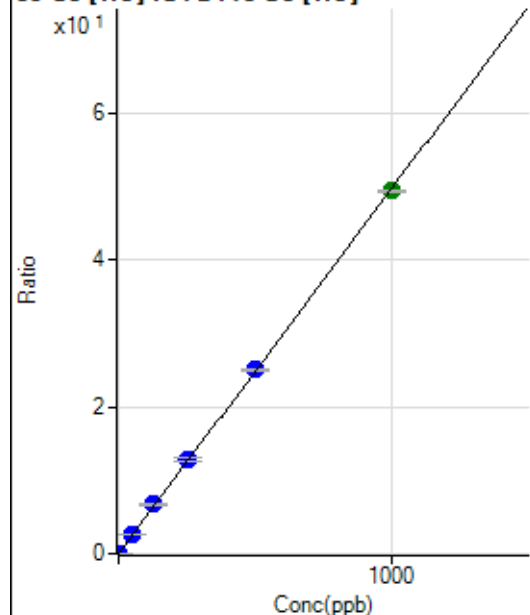
$$y = 4.4715E-004 * x + 0.0041$$

$$R = 1.0000$$

$$DL = 1.773$$

Weight: <None>

Min Conc: 0

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

	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	90.00	0.0028	P	10.6
2	☐	0.100					
3	☐	1.000	1.044	1737.92	0.0546	P	4.8
4	☐	50.000	52.974	86806.01	2.6334	P	2.3
5	☐	125.000	135.272	218037.63	6.7202	P	5.8
6	☐	250.000	258.080	433793.53	12.8186	P	4.3
7	☐	500.000	503.933	864236.90	25.0273	P	1.0
8	☐	1000.000	994.581	1743723.29	49.3921	A	0.9
9	☐			20335.04	0.5905	P	3.3

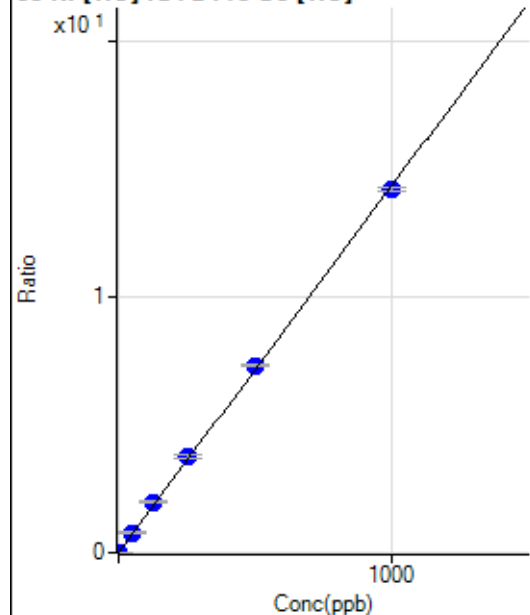
$$y = 0.0497 * x + 0.0028$$

$$R = 0.9999$$

$$DL = 0.01788$$

Weight: <None>

Min Conc: 0

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

	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	93.34	0.0029	P	20.4
2	☐	0.100					
3	☐	1.000	1.145	615.58	0.0193	P	6.8
4	☐	50.000	54.367	25817.49	0.7832	P	2.7
5	☐	125.000	138.251	64464.06	1.9872	P	6.3
6	☐	250.000	262.524	127568.87	3.7709	P	5.4
7	☐	500.000	510.481	253115.07	7.3299	P	0.9
8	☐	1000.000	989.754	501613.49	14.2089	P	1.1
9	☐			6806.22	0.1976	P	2.7

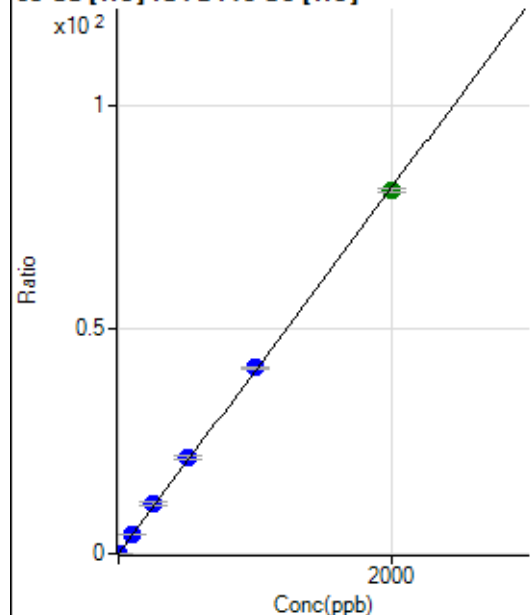
$$y = 0.0144 * x + 0.0029$$

$$R = 0.9998$$

$$DL = 0.1242$$

Weight: <None>

Min Conc: 0

⁶³Cu [He] ISTD:45 Sc [He]

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	560.02	0.0174	P	7.1
2	☐	0.200					
3	☐	2.000	2.189	3397.14	0.1068	P	3.6
4	☐	100.000	107.828	145586.96	4.4172	P	3.2
5	☐	250.000	272.315	361068.67	11.1290	P	5.9
6	☐	500.000	521.387	720531.56	21.2922	P	4.4
7	☐	1000.000	1017.383	1434125.54	41.5309	P	1.1
8	☐	2000.000	1982.781	2856810.90	80.9230	A	1.2
9	☐			4759.79	0.1382	P	2.4

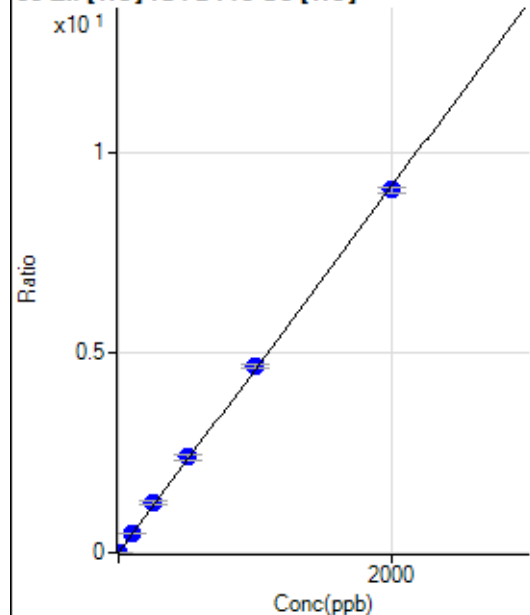
$$y = 0.0408 * x + 0.0174$$

$$R = 0.9998$$

$$DL = 0.09044$$

Weight: <None>

Min Conc: 0

⁶⁶Zn [He] ISTD:45 Sc [He]

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	35.55	0.0011	P	43.8
2	☐	0.200					
3	☐	2.000	2.089	338.90	0.0107	P	12.4
4	☐	100.000	108.197	16359.83	0.4963	P	2.7
5	☐	250.000	272.937	40567.17	1.2504	P	5.9
6	☐	500.000	521.600	80804.85	2.3885	P	5.3
7	☐	1000.000	1021.562	161490.75	4.6769	P	1.9
8	☐	2000.000	1980.542	320041.91	9.0662	P	1.7
9	☐			3159.30	0.0917	P	3.1

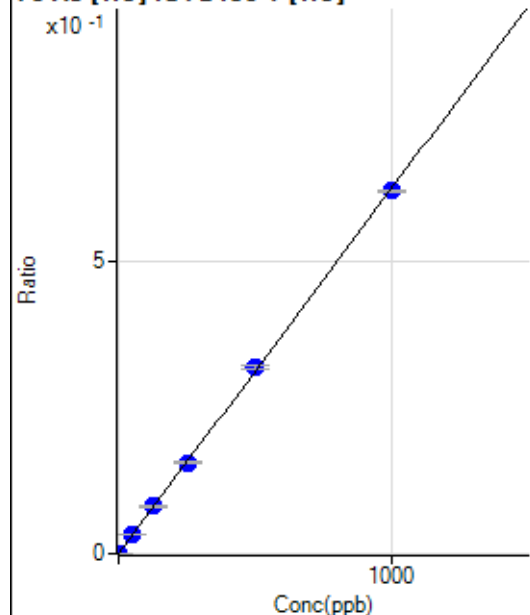
$$y = 0.0046 * x + 0.0011$$

$$R = 0.9998$$

$$DL = 0.317$$

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	6.79	0.0000	P	16.5
2	☐	0.100					
3	☐	1.000	1.016	120.99	0.0007	P	23.4
4	☐	50.000	50.939	5969.86	0.0319	P	2.0
5	☐	125.000	130.244	15173.86	0.0814	P	5.8
6	☐	250.000	249.869	30052.45	0.1561	P	3.8
7	☐	500.000	511.326	60580.18	0.3194	P	2.3
8	☐	1000.000	993.667	121835.38	0.6208	P	0.8
9	☐			176.55	0.0009	P	7.2

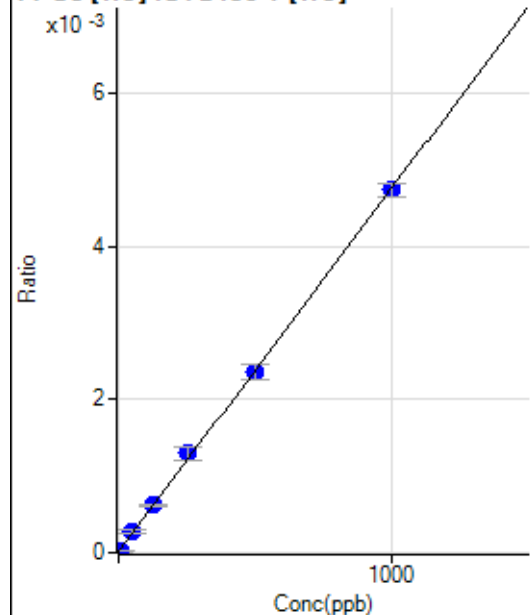
$$y = 6.2467\text{E-}004 * x + 3.7171\text{E-}005$$

$$R = 0.9999$$

$$DL = 0.02946$$

Weight: <None>

Min Conc: 0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	2.22	0.0000	P	173.
2	☐	0.500					
3	☐	5.000	1.385	3.33	0.0000	P	2.0
4	☐	50.000	54.933	51.11	0.0003	P	22.5
5	☐	125.000	127.787	115.56	0.0006	P	5.1
6	☐	250.000	270.914	250.01	0.0013	P	12.5
7	☐	500.000	496.356	448.90	0.0024	P	9.0
8	☐	1000.000	996.016	930.05	0.0047	P	4.0
9	☐			0.00	0.0000	P	

$$y = 4.7464\text{E-}006 * x + 1.1883\text{E-}005$$

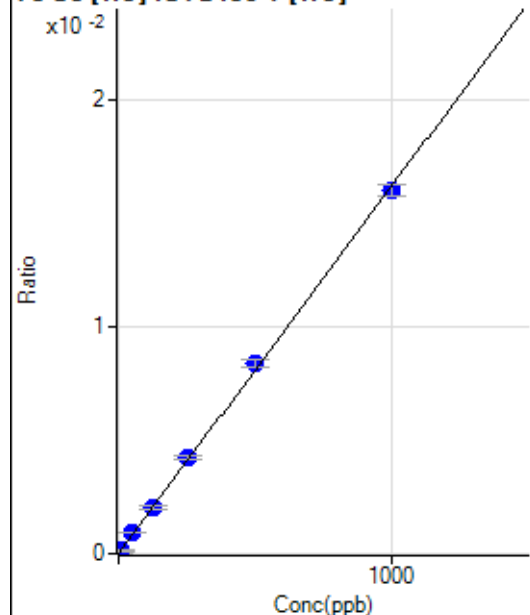
$$R = 0.9997$$

$$DL = 13.01$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	1.85	0.0000	P	99.5
2	☐	0.500					
3	☐	5.000	7.428	23.46	0.0001	P	37.8
4	☐	50.000	55.721	170.99	0.0009	P	2.6
5	☐	125.000	124.655	377.79	0.0020	P	8.7
6	☐	250.000	261.556	817.94	0.0042	P	2.3
7	☐	500.000	518.250	1593.32	0.0084	P	3.3
8	☐	1000.000	987.731	3140.51	0.0160	P	3.1
9	☐			6.17	0.0000	P	62.2

$$y = 1.6192\text{E-}005 * x + 9.9404\text{E-}006$$

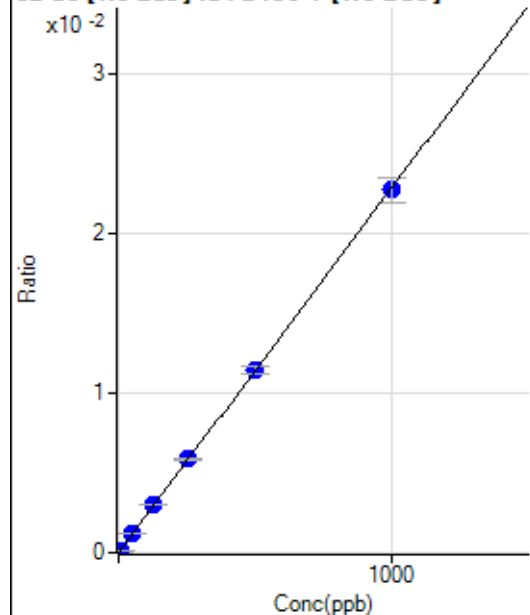
$$R = 0.9997$$

$$DL = 1.832$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	-84.13	0.0000	P	-32.
2	☐	0.500					
3	☐	5.000	6.491	402.16	0.0001	P	18.0
4	☐	50.000	53.428	3900.59	0.0012	P	4.5
5	☐	125.000	132.659	9984.03	0.0030	P	1.0
6	☐	250.000	256.781	19943.27	0.0058	P	1.4
7	☐	500.000	502.722	40623.93	0.0115	P	4.0
8	☐	1000.000	995.807	80007.40	0.0227	P	7.0
9	☐			40.99	0.0000	P	99.2

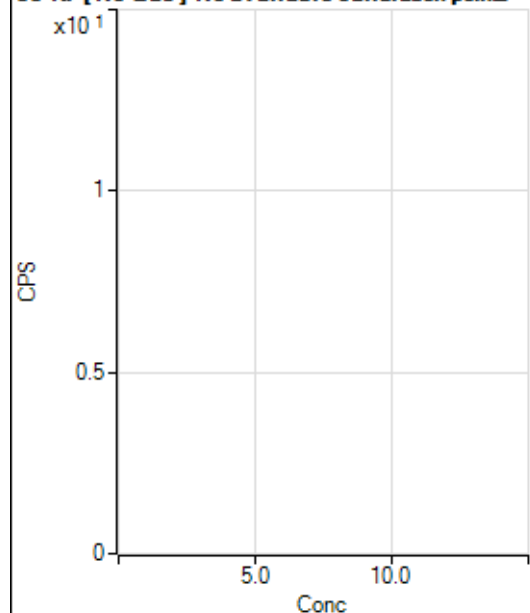
$$y = 2.2848\text{E-}005 * x - 2.5491\text{E-}005$$

$$R = 1.0000$$

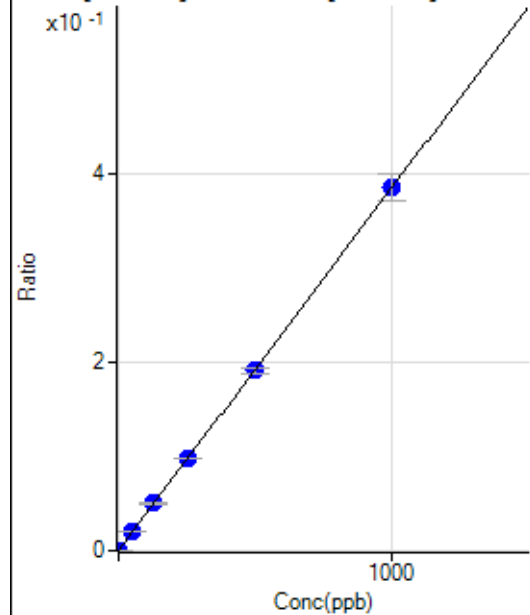
$$DL = 1.079$$

Weight: <None>

Min Conc: 0

83 Kr [No Gas] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			624.47		P	1.6
2	☐						
3	☐			560.02		P	13.4
4	☐			657.81		P	6.0
5	☐			648.92		P	5.1
6	☐			691.14		P	8.2
7	☐			600.03		P	9.7
8	☐			623.36		P	8.4
9	☐			602.24		P	6.7

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	836.18	0.0003	P	7.9
2	☐	0.100					
3	☐	1.000	1.040	2136.38	0.0007	P	1.1
4	☐	50.000	51.805	65675.23	0.0201	P	4.6
5	☐	125.000	129.870	166288.17	0.0501	P	3.0
6	☐	250.000	253.014	332241.17	0.0973	P	0.9
7	☐	500.000	495.960	675326.46	0.1905	P	3.7
8	☐	1000.000	1000.568	1351771.20	0.3841	P	7.5
9	☐			6257.27	0.0020	P	5.8

$$y = 3.8361E-004 * x + 2.5287E-004$$

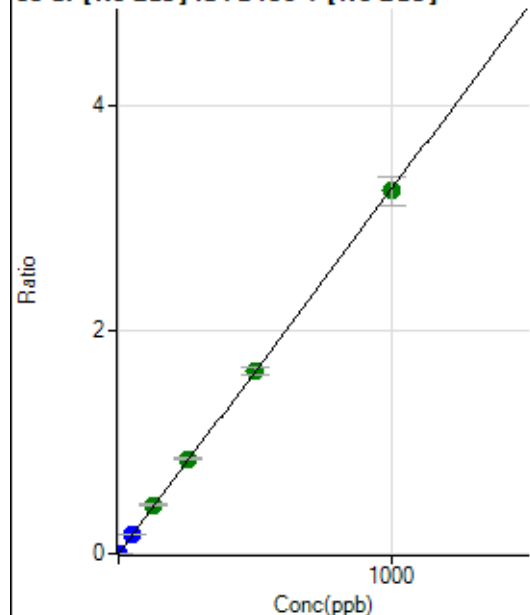
$$R = 1.0000$$

$$DL = 0.1556$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	44.44	0.0000	P	44.9
2	☐	0.100					
3	☐	1.000	0.978	10485.05	0.0032	P	1.3
4	☐	50.000	52.861	561710.36	0.1722	P	5.5
5	☐	125.000	134.255	1452185.24	0.4373	A	3.3
6	☐	250.000	260.243	2893938.54	0.8477	A	1.3
7	☐	500.000	502.236	5797966.06	1.6359	A	4.3
8	☐	1000.000	995.021	11405651.90	3.2409	A	7.7
9	☐			46945.95	0.0146	P	3.2

$$y = 0.0033 * x + 1.3487E-005$$

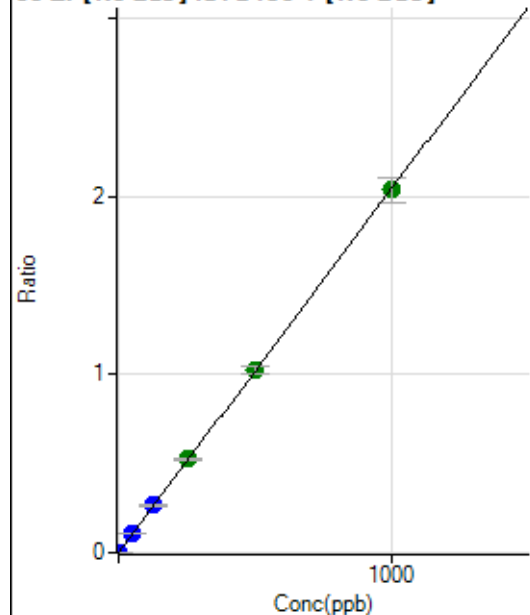
$$R = 0.9999$$

$$DL = 0.005578$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	208.35	0.0001	P	19.3
2	☐	0.100					
3	☐	1.000	0.960	6621.39	0.0020	P	8.7
4	☐	50.000	52.419	349150.55	0.1070	P	4.7
5	☐	125.000	130.967	887506.35	0.2672	P	2.7
6	☐	250.000	256.920	1789538.08	0.5242	A	1.8
7	☐	500.000	500.383	3617988.97	1.0209	A	4.5
8	☐	1000.000	997.212	7162480.37	2.0344	A	6.8
9	☐			1755.76	0.0005	P	15.0

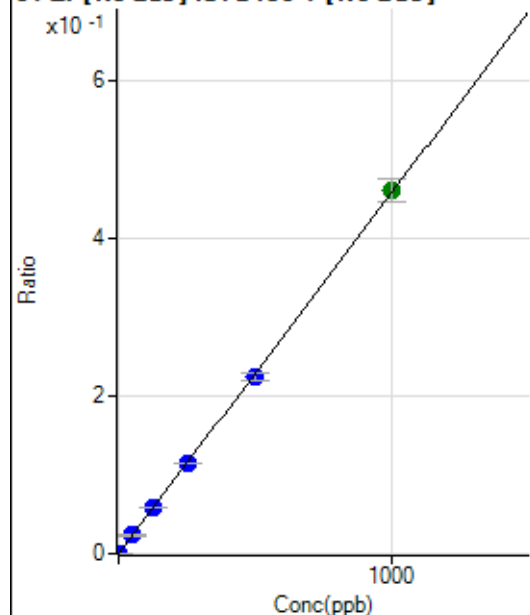
$$y = 0.0020 * x + 6.3062E-005$$

$$R = 1.0000$$

$$DL = 0.01794$$

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	69.45	0.0000	P	25.5
2	☐	0.100					
3	☐	1.000	0.895	1408.47	0.0004	P	7.4
4	☐	50.000	51.181	76372.80	0.0234	P	4.9
5	☐	125.000	129.133	196063.65	0.0590	P	1.4
6	☐	250.000	249.820	389771.27	0.1142	P	1.5
7	☐	500.000	488.617	791391.67	0.2233	P	4.2
8	☐	1000.000	1005.161	1617332.37	0.4593	A	6.4
9	☐			350.02	0.0001	P	10.3

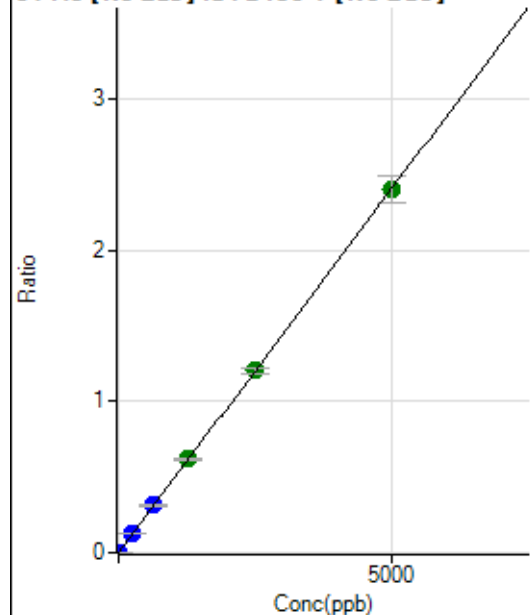
$$y = 4.5693\text{E-}004 * x + 2.1001\text{E-}005$$

$$R = 0.9999$$

$$DL = 0.03512$$

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	122.23	0.0000	P	27.3
2	☐	0.500					
3	☐	5.000	4.995	8002.68	0.0024	P	5.6
4	☐	250.000	262.621	412825.68	0.1265	P	4.2
5	☐	625.000	652.307	1043385.91	0.3141	P	2.0
6	☐	1250.000	1284.456	2111686.77	0.6185	A	1.4
7	☐	2500.000	2499.315	4266729.65	1.2035	A	3.3
8	☐	5000.000	4987.684	8453555.66	2.4017	A	7.4
9	☐			3481.17	0.0011	P	5.0

$$y = 4.8153\text{E-}004 * x + 3.7024\text{E-}005$$

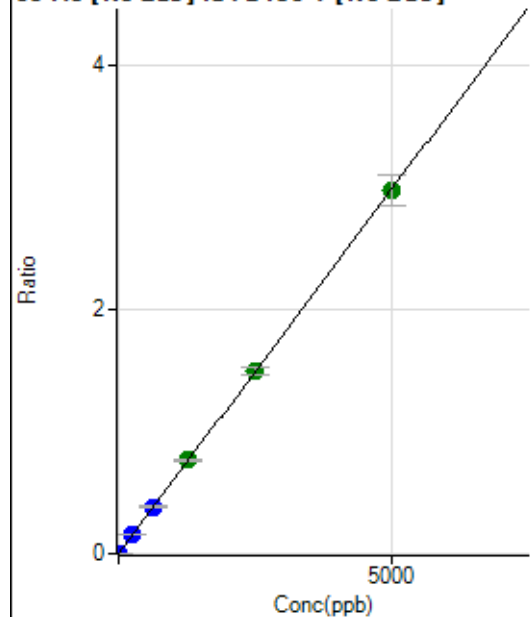
$$R = 1.0000$$

$$DL = 0.06294$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	36.11	0.0000	P	79.8
2	☐	0.500					
3	☐	5.000	4.975	9770.67	0.0030	P	2.4
4	☐	250.000	258.481	503630.58	0.1544	P	4.9
5	☐	625.000	642.352	1274000.61	0.3836	P	2.1
6	☐	1250.000	1291.727	2633110.76	0.7713	A	2.3
7	☐	2500.000	2512.658	5318705.89	1.5004	A	3.6
8	☐	5000.000	4980.646	10463290.51	2.9741	A	8.3
9	☐			5145.64	0.0016	P	9.1

$$y = 5.9712\text{E-}004 * x + 1.0852\text{E-}005$$

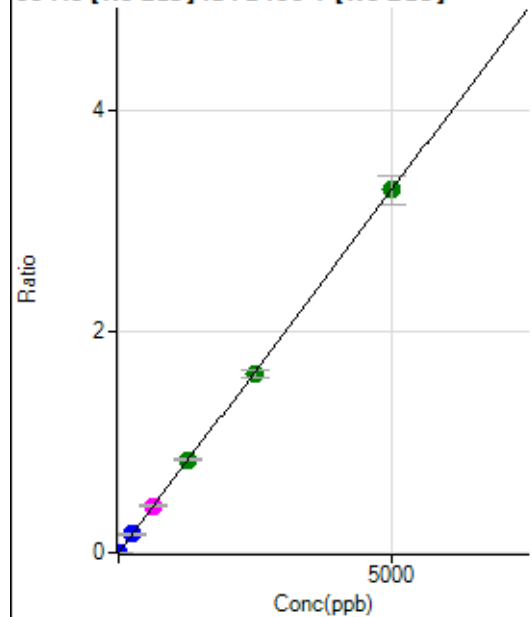
$$R = 1.0000$$

$$DL = 0.04349$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	75.01	0.0000	P	19.2
2	☐	0.500					
3	☐	5.000	4.966	10768.62	0.0033	P	4.5
4	☐	250.000	257.919	553015.63	0.1695	P	5.4
5	☐	625.000	646.962	1412235.59	0.4252	M	2.2
6	☐	1250.000	1281.916	2876070.44	0.8424	A	1.5
7	☐	2500.000	2475.034	5764878.60	1.6265	A	4.4
8	☐	5000.000	5001.363	11566585.50	3.2867	A	7.7
9	☐			5979.37	0.0019	P	6.8

$$y = 6.5716\text{E-}004 * x + 2.2667\text{E-}005$$

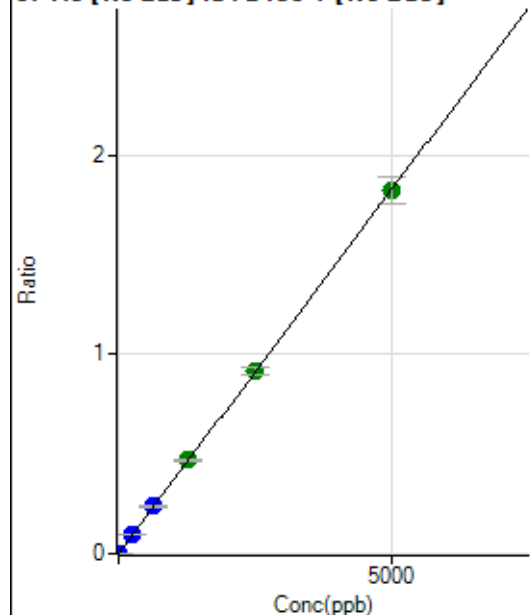
$$R = 1.0000$$

$$DL = 0.01992$$

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	177.79	0.0001	P	33.7
2	☐	0.500					
3	☐	5.000	5.185	6376.84	0.0019	P	1.4
4	☐	250.000	259.454	309018.67	0.0947	P	5.4
5	☐	625.000	651.350	789486.45	0.2377	P	2.8
6	☐	1250.000	1284.178	1600019.47	0.4686	A	0.6
7	☐	2500.000	2504.155	3238946.21	0.9138	A	4.0
8	☐	5000.000	4985.611	6403495.67	1.8192	A	7.3
9	☐			2900.47	0.0009	P	5.1

$$y = 3.6488\text{E-}004 * x + 5.3818\text{E-}005$$

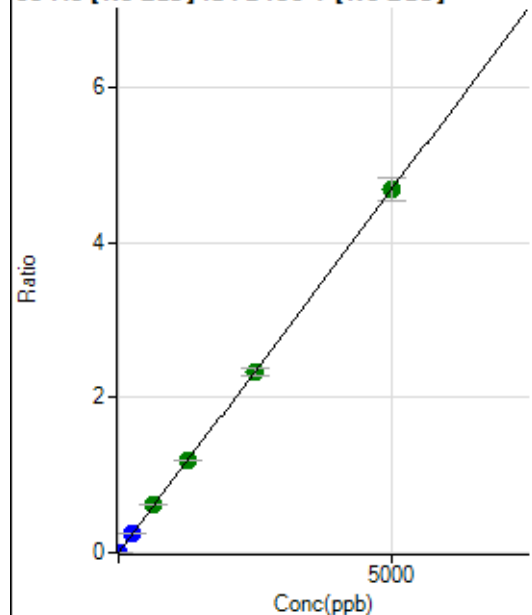
$$R = 1.0000$$

$$DL = 0.1492$$

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	75.00	0.0000	P	20.6
2	☐	0.500					
3	☐	5.000	5.010	15437.19	0.0047	P	0.9
4	☐	250.000	258.818	790160.24	0.2422	P	5.2
5	☐	625.000	661.346	2055177.69	0.6188	A	2.9
6	☐	1250.000	1272.399	4064731.08	1.1906	A	1.3
7	☐	2500.000	2482.653	8234307.48	2.3230	A	3.9
8	☐	5000.000	4998.089	16467334.57	4.6766	A	6.5
9	☐			7496.88	0.0023	P	5.0

$$y = 9.3568\text{E-}004 * x + 2.2613\text{E-}005$$

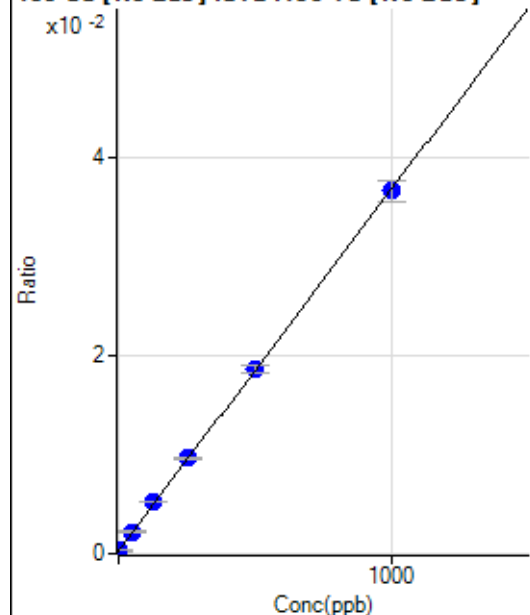
$$R = 1.0000$$

$$DL = 0.01491$$

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	777.84	0.0003	P	7.3
2	☐	0.100					
3	☐	1.000	2.195	988.98	0.0004	P	3.4
4	☐	50.000	52.078	6057.20	0.0022	P	5.5
5	☐	125.000	135.650	14722.56	0.0052	P	2.3
6	☐	250.000	256.736	28161.10	0.0097	P	1.0
7	☐	500.000	503.133	55607.59	0.0187	P	4.9
8	☐	1000.000	995.313	109377.52	0.0367	P	6.1
9	☐			863.97	0.0003	P	7.6

$$y = 3.6606\text{E-}005 * x + 2.7788\text{E-}004$$

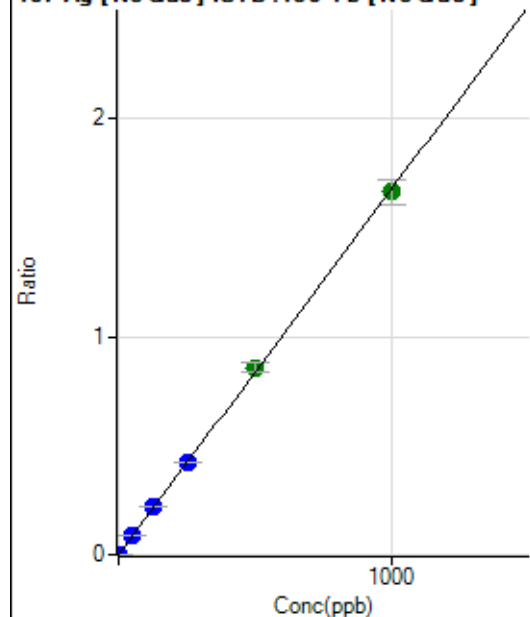
$$R = 0.9999$$

$$DL = 1.671$$

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	158.34	0.0001	P	21.1
2	☐	0.100					
3	☐	1.000	1.051	5020.63	0.0018	P	5.8
4	☐	50.000	52.640	244846.85	0.0883	P	5.6
5	☐	125.000	132.039	621649.08	0.2214	P	1.9
6	☐	250.000	253.627	1237789.49	0.4253	P	0.8
7	☐	500.000	510.584	2546159.17	0.8561	A	5.1
8	☐	1000.000	992.789	4957554.41	1.6646	A	6.9
9	☐			1383.48	0.0005	P	3.1

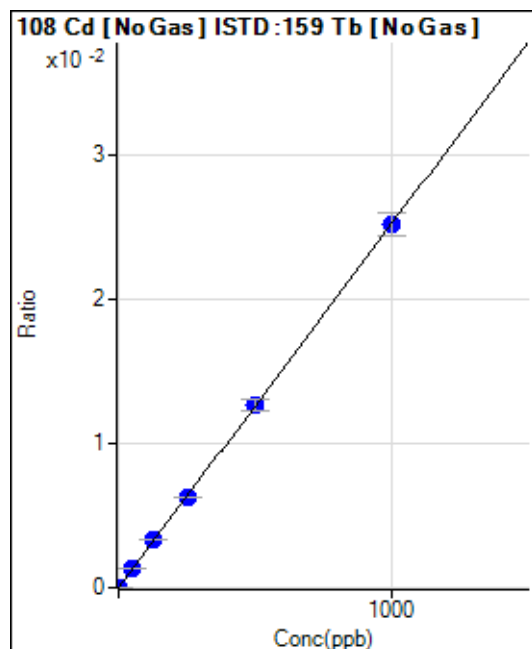
$$y = 0.0017 * x + 5.6759\text{E-}005$$

$$R = 0.9999$$

$$DL = 0.02139$$

Weight: <None>

Min Conc: 0



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	6.94	0.0000	P	33.4
2	☐	0.100					
3	☐	1.000	0.923	70.83	0.0000	P	21.8
4	☐	50.000	52.579	3671.43	0.0013	P	9.0
5	☐	125.000	132.388	9361.78	0.0033	P	2.0
6	☐	250.000	250.134	18329.48	0.0063	P	0.5
7	☐	500.000	502.573	37611.00	0.0127	P	6.1
8	☐	1000.000	997.628	74799.13	0.0251	P	6.4
9	☐			23.61	0.0000	P	60.2

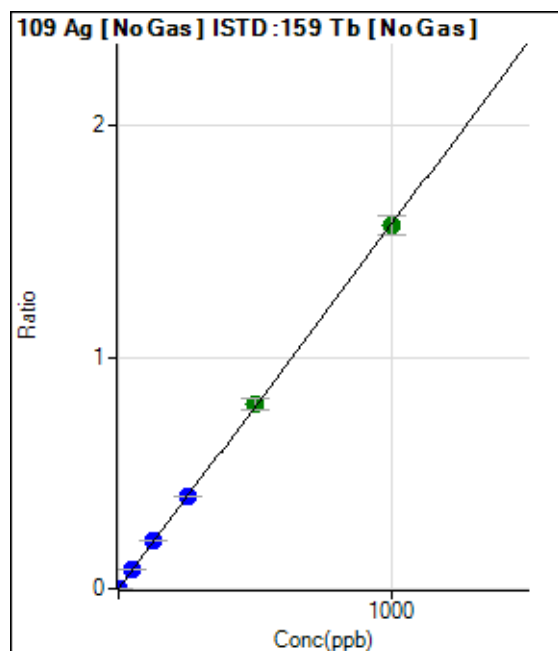
$$y = 2.5167\text{E-}005 * x + 2.4716\text{E-}006$$

$$R = 1.0000$$

$$DL = 0.09834$$

Weight: <None>

Min Conc: 0



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	141.67	0.0001	P	34.7
2	☐	0.100					
3	☐	1.000	1.051	4709.38	0.0017	P	3.8
4	☐	50.000	52.029	227364.10	0.0820	P	5.2
5	☐	125.000	130.586	577511.39	0.2057	P	2.0
6	☐	250.000	252.177	1156064.00	0.3972	P	1.0
7	☐	500.000	506.523	2371683.73	0.7978	A	6.3
8	☐	1000.000	995.395	4672109.17	1.5678	A	5.4
9	☐			1272.34	0.0005	P	6.1

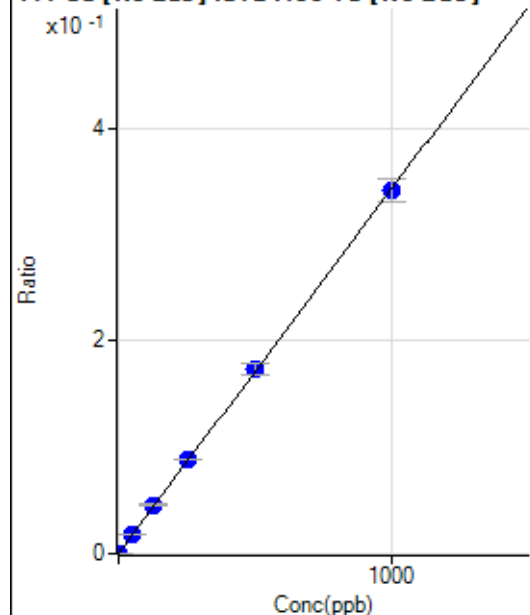
$$y = 0.0016 * x + 5.0891\text{E-}005$$

$$R = 1.0000$$

$$DL = 0.03361$$

Weight: <None>

Min Conc: 0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	550.74	0.0002	P	8.2
2	☐	0.100					
3	☐	1.000	1.193	1670.54	0.0006	P	2.2
4	☐	50.000	52.792	50656.35	0.0183	P	4.8
5	☐	125.000	132.757	128105.13	0.0456	P	2.5
6	☐	250.000	256.790	256372.50	0.0881	P	0.9
7	☐	500.000	504.385	513811.90	0.1728	P	6.1
8	☐	1000.000	995.001	1015062.04	0.3408	P	6.5
9	☐			678.53	0.0003	P	3.7

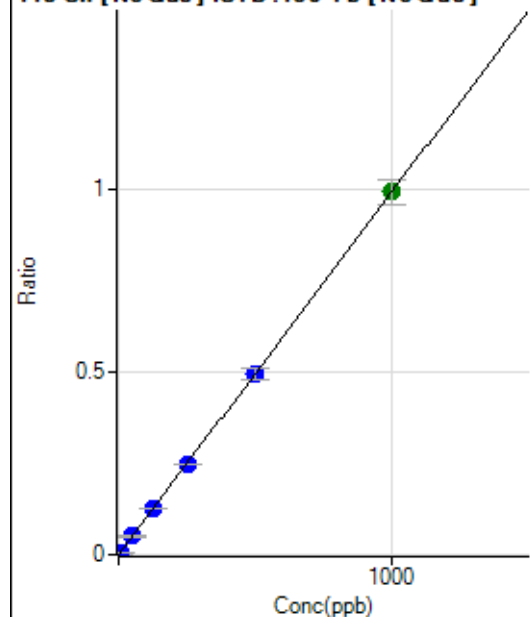
$$y = 3.4228\text{E-}004 * x + 1.9680\text{E-}004$$

$$R = 0.9999$$

$$DL = 0.142$$

Weight: <None>

Min Conc: 0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	188.90	0.0001	P	15.6
2	☐	0.500					
3	☐	5.000	5.066	14066.29	0.0051	P	1.2
4	☐	50.000	50.965	140402.29	0.0506	P	5.8
5	☐	125.000	128.614	358511.95	0.1277	P	2.0
6	☐	250.000	248.772	718690.63	0.2470	P	1.5
7	☐	500.000	496.718	1465554.17	0.4930	P	6.4
8	☐	1000.000	1001.447	2959949.37	0.9939	A	7.1
9	☐			2708.74	0.0010	P	9.7

$$y = 9.9241\text{E-}004 * x + 6.7645\text{E-}005$$

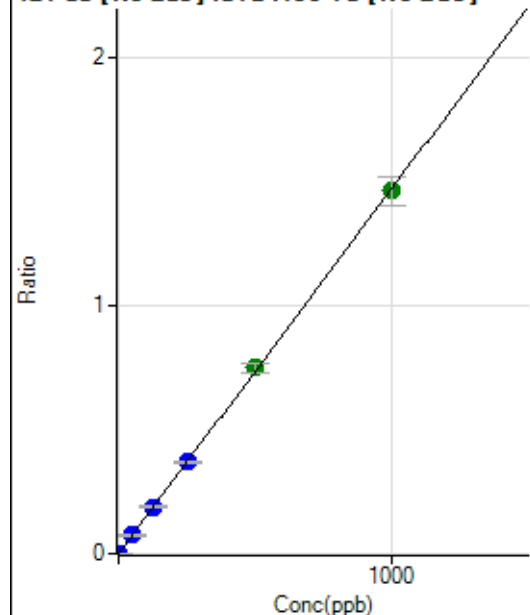
$$R = 1.0000$$

$$DL = 0.03199$$

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	94.45	0.0000	P	34.5
2	☐	0.200					
3	☐	2.000	1.857	7619.22	0.0028	P	6.1
4	☐	50.000	51.121	208335.27	0.0751	P	5.3
5	☐	125.000	129.031	532263.93	0.1896	P	1.7
6	☐	250.000	250.594	1071507.57	0.3682	P	1.6
7	☐	500.000	508.936	2223373.79	0.7477	A	5.5
8	☐	1000.000	994.824	4351520.89	1.4616	A	7.7
9	☐			6148.97	0.0023	P	4.8

$$y = 0.0015 * x + 3.3597E-005$$

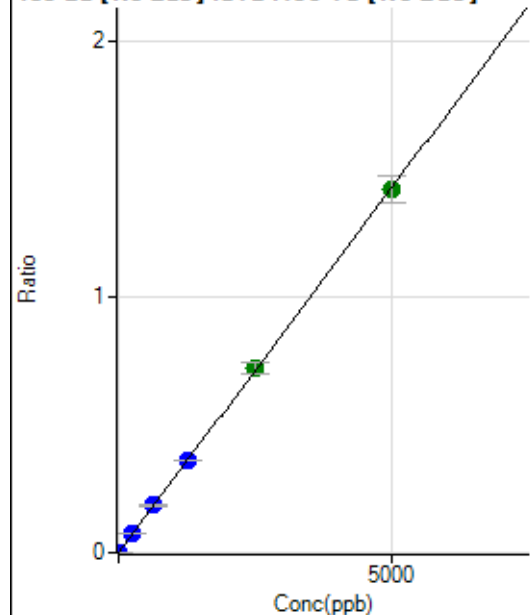
$$R = 0.9999$$

$$DL = 0.02367$$

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	25.00	0.0000	P	35.3
2	☐	1.000					
3	☐	10.000	10.176	8038.93	0.0029	P	1.7
4	☐	250.000	257.354	203676.04	0.0734	P	4.3
5	☐	625.000	646.226	517643.44	0.1844	P	1.3
6	☐	1250.000	1262.611	1048391.87	0.3602	P	1.0
7	☐	2500.000	2537.684	2152381.60	0.7240	A	6.1
8	☐	5000.000	4974.984	4226640.03	1.4194	A	7.3
9	☐			527.81	0.0002	P	17.6

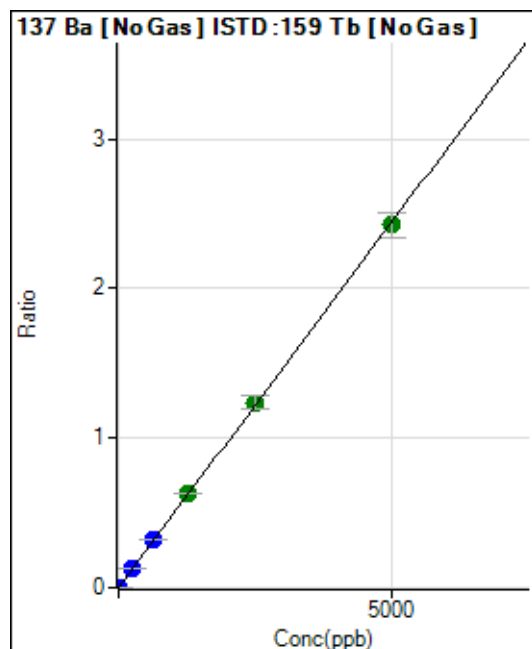
$$y = 2.8530E-004 * x + 8.9804E-006$$

$$R = 0.9999$$

$$DL = 0.03336$$

Weight: <None>

Min Conc: 0



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	25.00	0.0000	P	67.1
2	☐	1.000					
3	☐	10.000	9.754	13165.44	0.0048	P	3.7
4	☐	250.000	259.465	351252.09	0.1267	P	5.4
5	☐	625.000	653.583	895830.25	0.3191	P	1.7
6	☐	1250.000	1285.704	1826939.10	0.6277	A	0.5
7	☐	2500.000	2540.076	3685784.11	1.2401	A	6.8
8	☐	5000.000	4966.990	7221396.95	2.4250	A	7.2
9	☐			822.29	0.0003	P	13.1

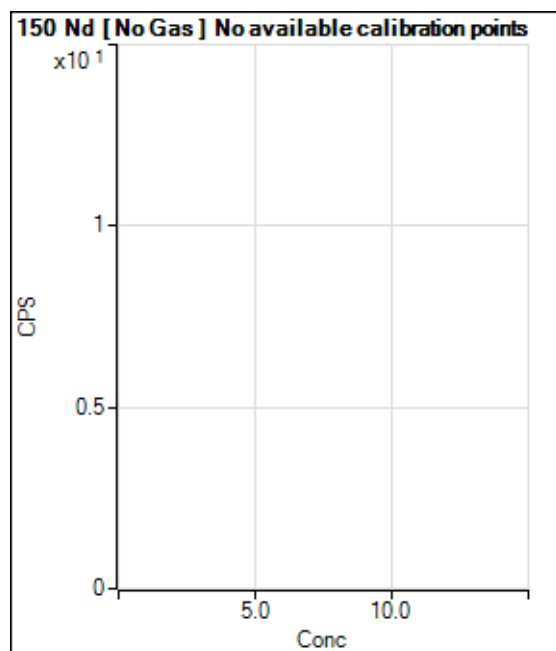
$$y = 4.8822\text{E-}004 * x + 8.9954\text{E-}006$$

$$R = 0.9999$$

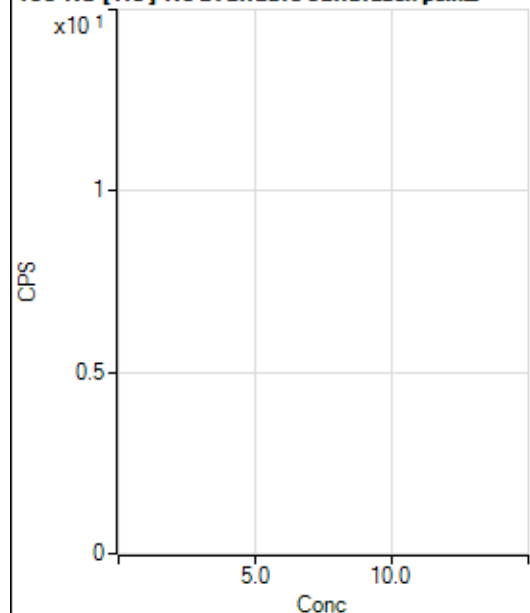
$$DL = 0.03708$$

Weight: <None>

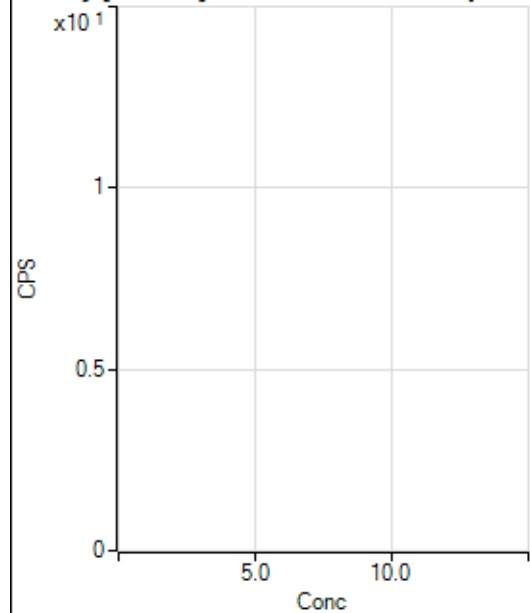
Min Conc: 0



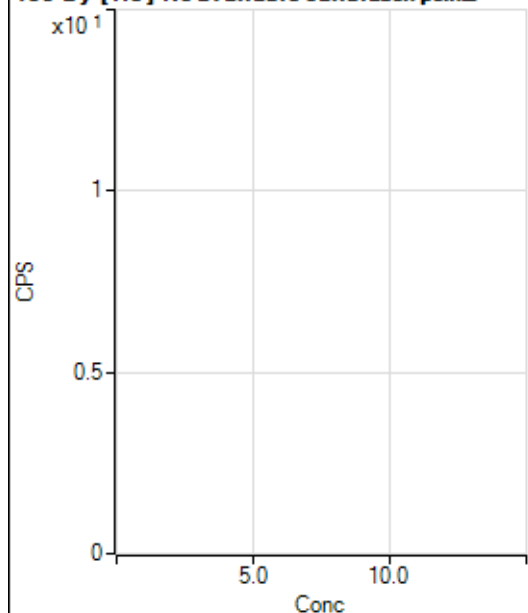
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			6.67		P	100.
2	☐						
3	☐			13.33		P	50.0
4	☐			17.78		P	142.
5	☐			22.22		P	75.5
6	☐			71.11		P	14.3
7	☐			71.12		P	28.6
8	☐			155.56		P	6.5
9	☐			64.45		P	15.8

150 Nd [He] No available calibration points

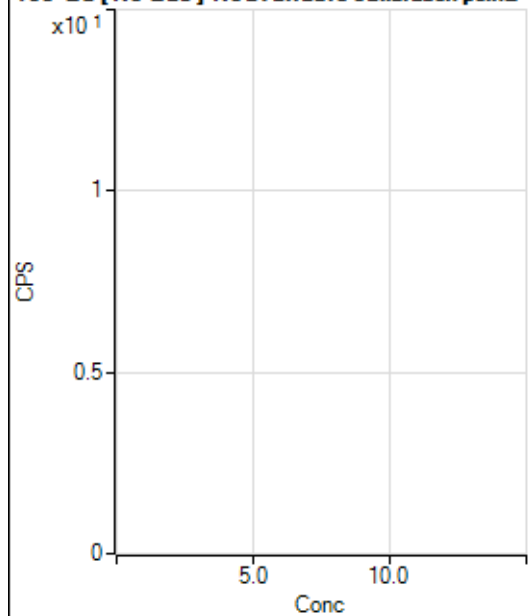
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			0.00		P	
2	☐						
3	☐			0.00		P	
4	☐			3.33		P	100.
5	☐			1.11		P	173.
6	☐			3.33		P	100.
7	☐			2.22		P	86.6
8	☐			12.22		P	15.7
9	☐			12.22		P	87.7

156 Dy [No Gas] No available calibration points

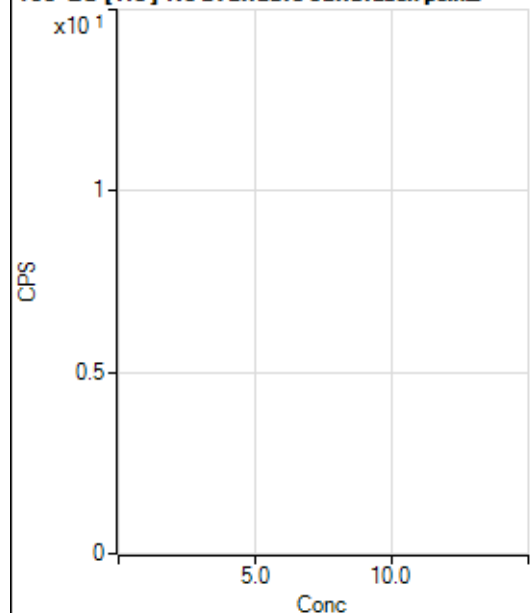
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			11.11		P	43.3
2	☐						
3	☐			44.45		P	47.2
4	☐			0.00		P	
5	☐			27.78		P	96.4
6	☐			19.44		P	99.0
7	☐			30.56		P	31.5
8	☐			41.67		P	34.7
9	☐			41.67		P	52.9

156 Dy [He] No available calibration points

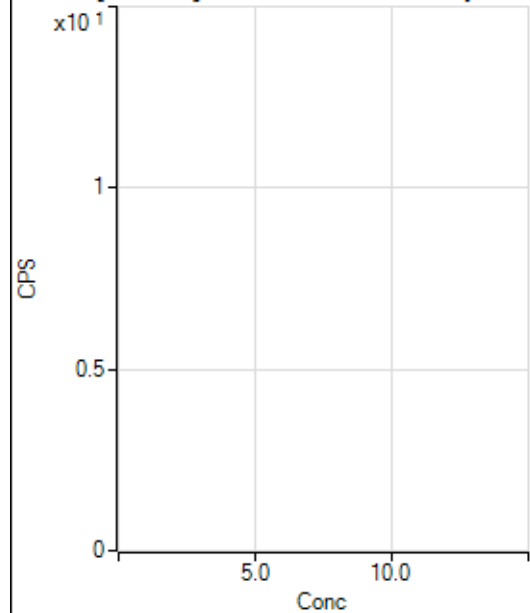
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			2.22		P	173.
2	☐						
3	☐			3.33		P	100.
4	☐			1.11		P	173.
5	☐			2.22		P	86.6
6	☐			5.55		P	124.
7	☐			3.33		P	100.
8	☐			7.78		P	65.5
9	☐			11.11		P	96.4

160 Gd [No Gas] Noavailable calibration poin_

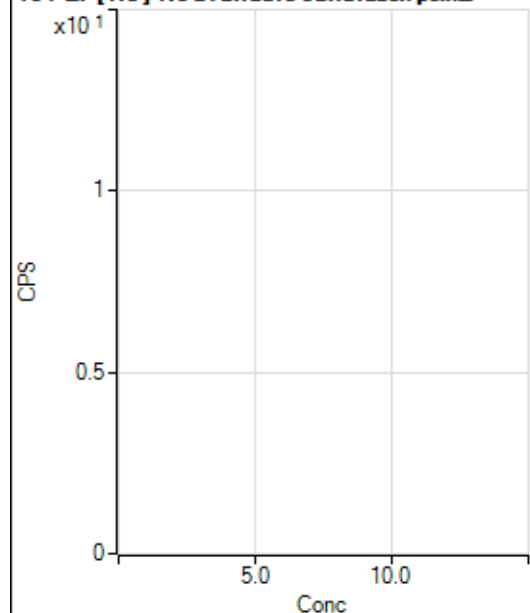
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			30.56		P	41.7
2	☐						
3	☐			22.22		P	43.3
4	☐			27.78		P	17.3
5	☐			33.34		P	50.0
6	☐			33.33		P	50.0
7	☐			27.78		P	34.6
8	☐			27.78		P	34.6
9	☐			47.23		P	20.4

160 Gd [He] No available calibration points

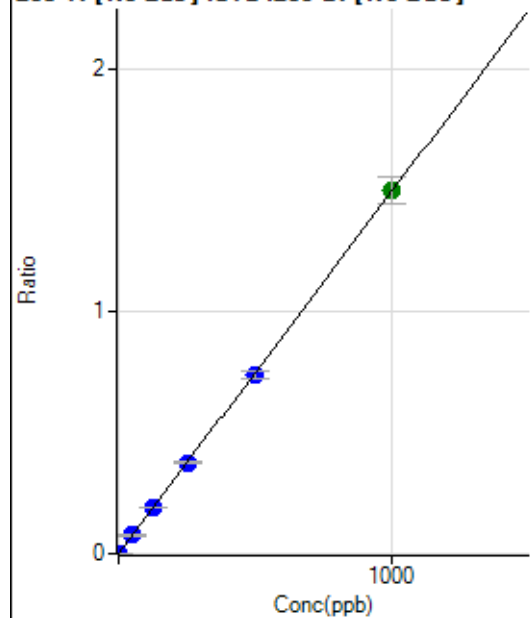
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			3.33		P	0.0
2	☐						
3	☐			8.89		P	43.3
4	☐			8.89		P	43.3
5	☐			8.89		P	21.6
6	☐			8.89		P	57.3
7	☐			11.11		P	45.8
8	☐			18.89		P	10.2
9	☐			13.33		P	50.0

164 Er [No Gas] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			13.89		P	91.6
2	☐						
3	☐			22.22		P	78.1
4	☐			22.22		P	78.1
5	☐			33.34		P	50.0
6	☐			11.11		P	114.
7	☐			38.89		P	32.7
8	☐			25.00		P	66.7
9	☐			50.01		P	28.9

164 Er [He] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			4.44		P	43.4
2	☐						
3	☐			5.56		P	34.7
4	☐			5.56		P	91.6
5	☐			5.56		P	91.6
6	☐			4.44		P	43.4
7	☐			5.56		P	34.7
8	☐			7.78		P	24.7
9	☐			6.67		P	50.0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	119.45	0.0001	P	68.2
2	☐	0.100					
3	☐	1.000	1.333	2958.81	0.0021	P	5.5
4	☐	50.000	51.172	109466.38	0.0764	P	5.5
5	☐	125.000	128.014	278993.83	0.1910	P	2.2
6	☐	250.000	250.955	563582.37	0.3743	P	2.4
7	☐	500.000	493.566	1141540.11	0.7361	P	4.8
8	☐	1000.000	1002.542	2321388.96	1.4952	A	7.5
9	☐			405.58	0.0003	P	24.6

$$y = 0.0015 * x + 8.4259E-005$$

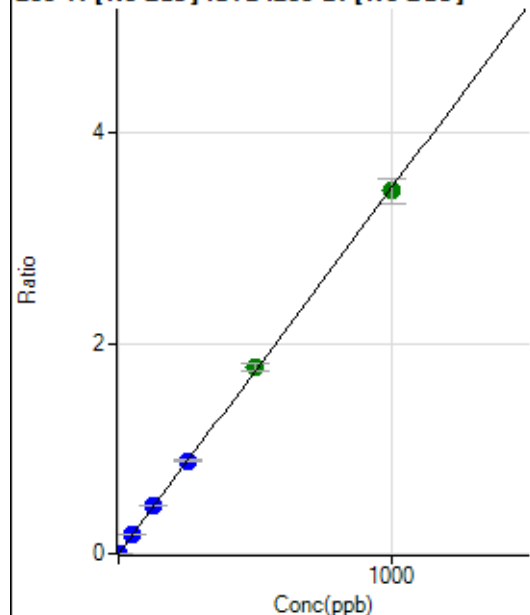
$$R = 1.0000$$

$$DL = 0.1156$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	219.46	0.0002	P	6.8
2	☐	0.100					
3	☐	1.000	1.464	7491.50	0.0052	P	3.6
4	☐	50.000	51.516	257006.45	0.1794	P	5.2
5	☐	125.000	130.580	663818.30	0.4544	P	1.5
6	☐	250.000	255.079	1336240.32	0.8875	P	1.8
7	☐	500.000	510.645	2755440.51	1.7765	A	4.1
8	☐	1000.000	992.634	5362259.24	3.4531	A	7.2
9	☐			850.07	0.0007	P	12.5

$$y = 0.0035 * x + 1.5357E-004$$

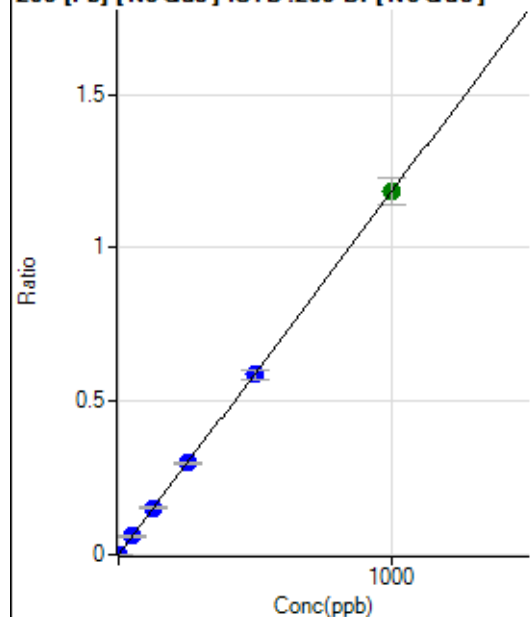
$$R = 0.9999$$

$$DL = 0.008987$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	138.89	0.0001	P	6.4
2	☐	0.100					
3	☐	1.000	1.115	2020.60	0.0014	P	6.5
4	☐	50.000	51.730	87790.96	0.0613	P	5.7
5	☐	125.000	129.445	223782.26	0.1532	P	1.5
6	☐	250.000	253.411	451359.42	0.2998	P	2.1
7	☐	500.000	497.174	911768.18	0.5881	P	5.3
8	☐	1000.000	999.918	1836179.76	1.1826	A	7.4
9	☐			3974.83	0.0031	P	6.4

$$y = 0.0012 * x + 9.7231E-005$$

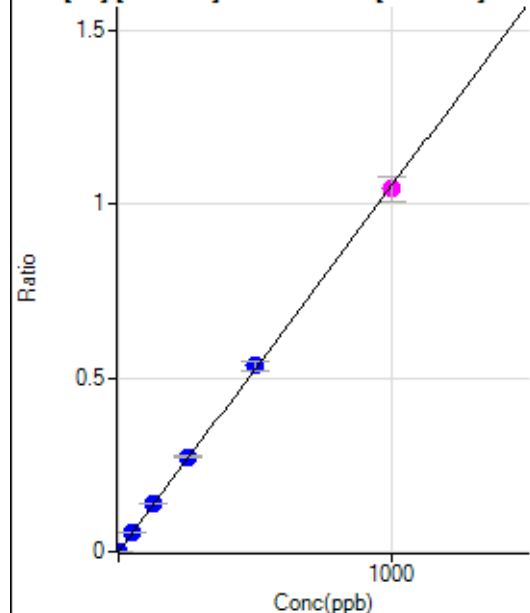
$$R = 1.0000$$

$$DL = 0.01582$$

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	157.41	0.0001	P	12.4
2	☐	0.100					
3	☐	1.000	1.126	1848.34	0.0013	P	4.6
4	☐	50.000	52.743	79699.41	0.0556	P	4.6
5	☐	125.000	131.459	202225.12	0.1384	P	2.1
6	☐	250.000	258.643	409918.96	0.2723	P	2.3
7	☐	500.000	509.134	830840.23	0.5358	P	5.1
8	☐	1000.000	992.328	1621800.05	1.0443	M	6.9
9	☐			3424.64	0.0026	P	5.0

$$y = 0.0011 * x + 1.0988E-004$$

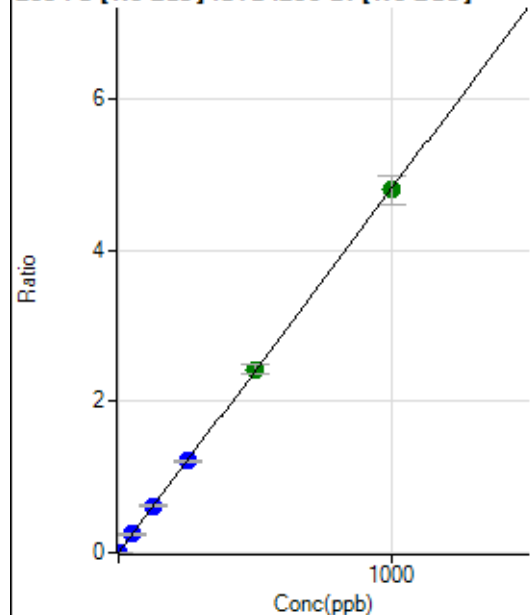
$$R = 0.9999$$

$$DL = 0.03873$$

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	622.25	0.0004	P	4.0
2	☐	0.100					
3	☐	1.000	1.135	8421.77	0.0059	P	5.4
4	☐	50.000	51.510	355911.96	0.2484	P	5.6
5	☐	125.000	128.776	906247.57	0.6204	P	2.1
6	☐	250.000	251.804	1825788.20	1.2126	P	2.1
7	☐	500.000	503.877	3761751.28	2.4262	A	5.2
8	☐	1000.000	997.063	7451990.95	4.8004	A	7.8
9	☐			15470.83	0.0119	P	4.6

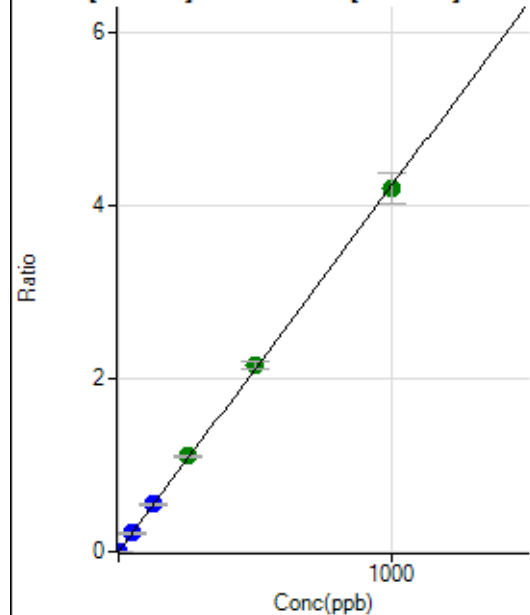
$$y = 0.0048 * x + 4.3518E-004$$

$$R = 1.0000$$

$$DL = 0.01081$$

Weight: <None>

Min Conc: 0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	33.33	0.0000	P	26.7
2	☐	0.100					
3	☐	1.000	0.917	5570.95	0.0039	P	4.7
4	☐	50.000	51.251	310580.95	0.2168	P	5.7
5	☐	125.000	128.864	796129.36	0.5450	P	2.2
6	☐	250.000	260.883	1661328.57	1.1033	A	1.7
7	☐	500.000	509.269	3340095.50	2.1538	A	4.7
8	☐	1000.000	992.099	6510689.42	4.1957	A	8.6
9	☐			194.45	0.0001	P	18.6

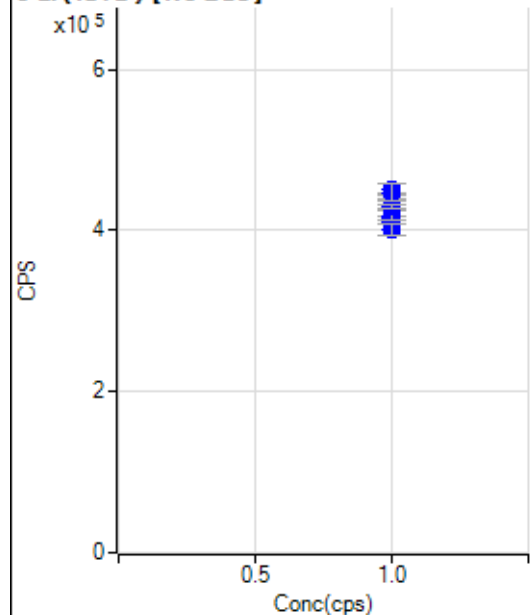
$$y = 0.0042 * x + 2.3372E-005$$

$$R = 0.9999$$

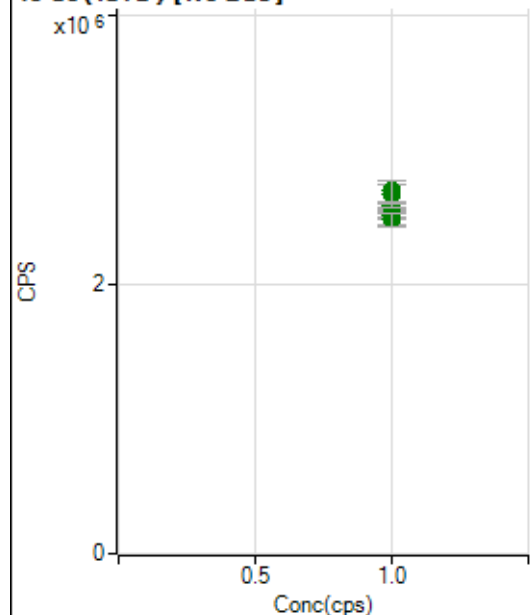
$$DL = 0.00442$$

Weight: <None>

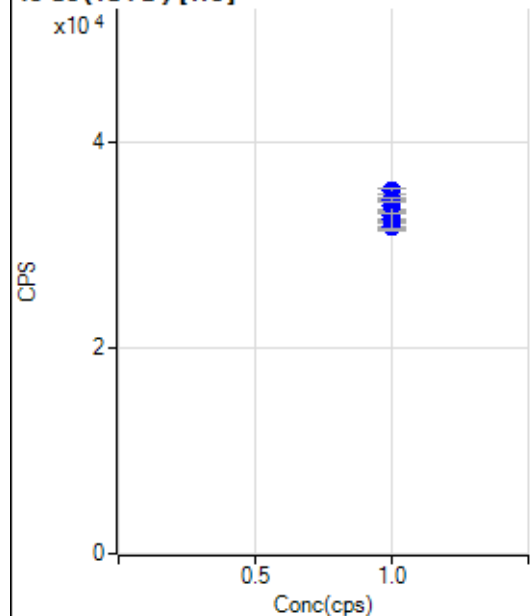
Min Conc: 0

6 Li (ISTD) [No Gas]

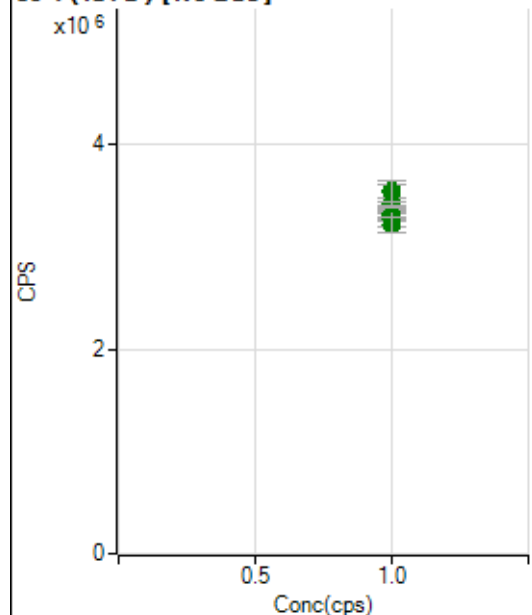
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		410380.64		P	1.3
2	☐	1.000					
3	☐	1.000		414737.78		P	1.3
4	☐	1.000		418775.40		P	3.0
5	☐	1.000		430001.00		P	1.3
6	☐	1.000		443504.35		P	1.7
7	☐	1.000		450404.46		P	3.3
8	☐	1.000		447213.87		P	4.8
9	☐	1.000		400877.38		P	3.4

45 Sc (ISTD) [No Gas]

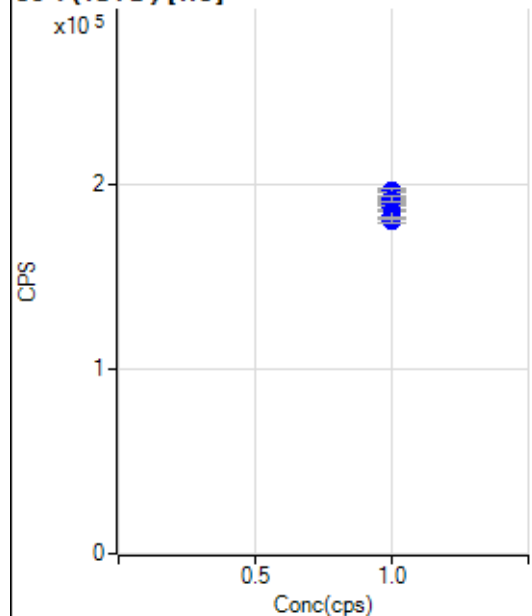
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		2516676.81		A	1.9
2	☐	1.000					
3	☐	1.000		2520516.70		A	1.4
4	☐	1.000		2502707.00		A	5.0
5	☐	1.000		2513717.83		A	1.0
6	☐	1.000		2587671.61		A	1.2
7	☐	1.000		2673646.54		A	5.4
8	☐	1.000		2698192.53		A	5.8
9	☐	1.000		2483710.58		A	4.2

45 Sc (ISTD) [He]

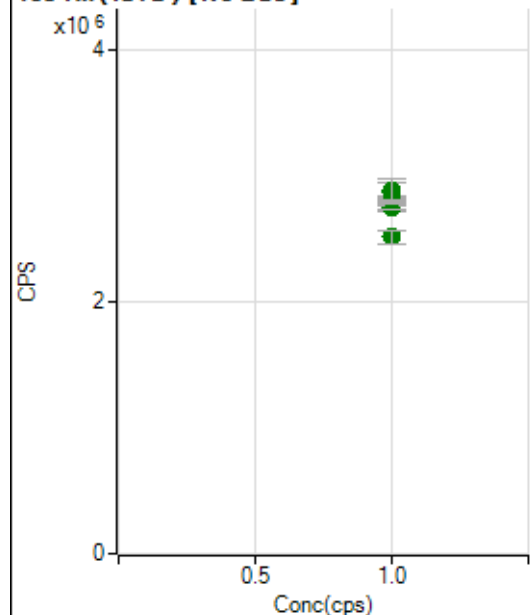
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		32141.38		P	1.5
2	☐	1.000					
3	☐	1.000		31831.77		P	2.0
4	☐	1.000		32973.23		P	2.1
5	☐	1.000		32515.70		P	5.6
6	☐	1.000		33883.21		P	4.4
7	☐	1.000		34533.69		P	0.9
8	☐	1.000		35306.67		P	1.5
9	☐	1.000		34445.69		P	1.5

89 Y (ISTD) [No Gas]

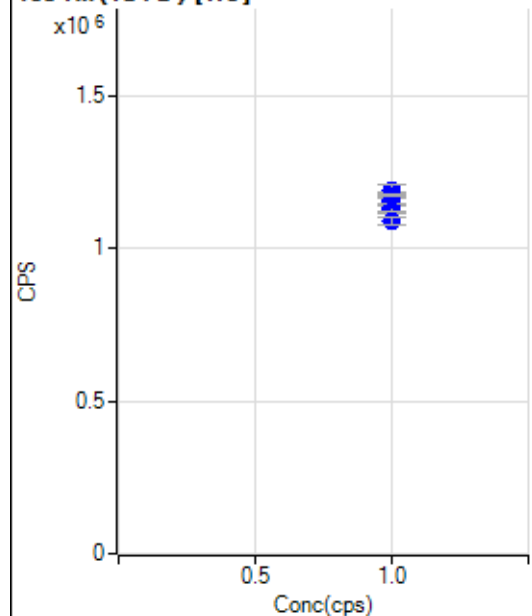
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		3309232.38		A	1.7
2	☐	1.000					
3	☐	1.000		3277455.75		A	1.1
4	☐	1.000		3268001.03		A	4.9
5	☐	1.000		3322309.15		A	2.1
6	☐	1.000		3414423.32		A	1.4
7	☐	1.000		3548315.33		A	4.0
8	☐	1.000		3531485.88		A	6.8
9	☐	1.000		3211391.17		A	4.6

89 Y (ISTD) [He]

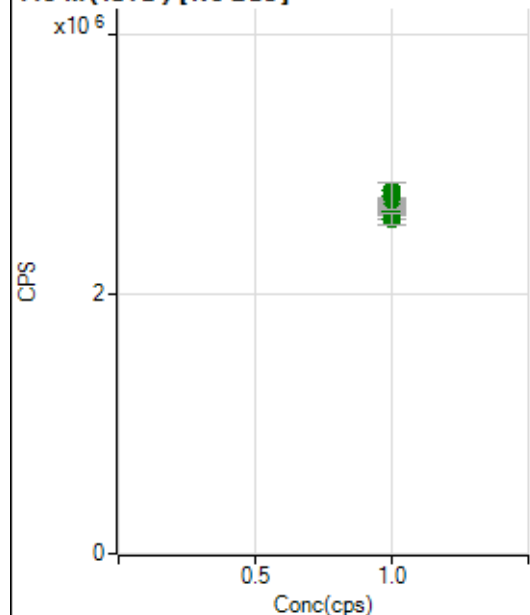
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		182958.34		P	2.7
2	☐	1.000					
3	☐	1.000		180466.28		P	2.0
4	☐	1.000		187431.80		P	1.5
5	☐	1.000		186811.05		P	5.7
6	☐	1.000		192661.76		P	3.7
7	☐	1.000		189675.38		P	1.3
8	☐	1.000		196278.09		P	1.0
9	☐	1.000		191941.55		P	1.5

103 Rh (ISTD) [No Gas]

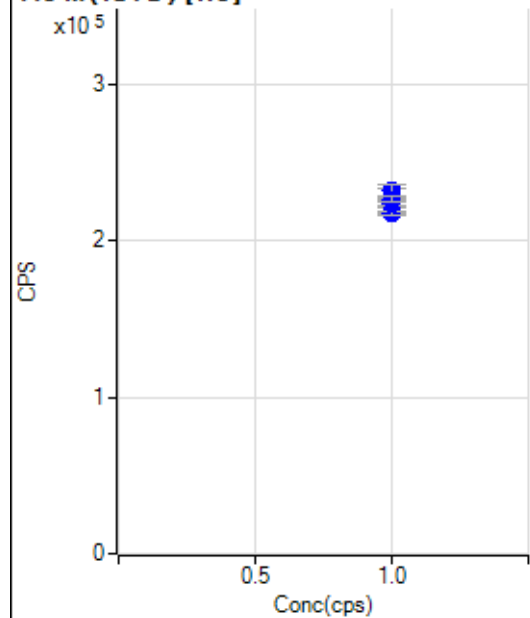
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		2793453.28		A	2.0
2	☐	1.000					
3	☐	1.000		2778444.49		A	2.6
4	☐	1.000		2779657.90		A	3.9
5	☐	1.000		2751123.82		A	1.5
6	☐	1.000		2821845.35		A	1.6
7	☐	1.000		2880968.29		A	5.0
8	☐	1.000		2885818.42		A	6.9
9	☐	1.000		2521693.39		A	4.1

103 Rh (ISTD) [He]

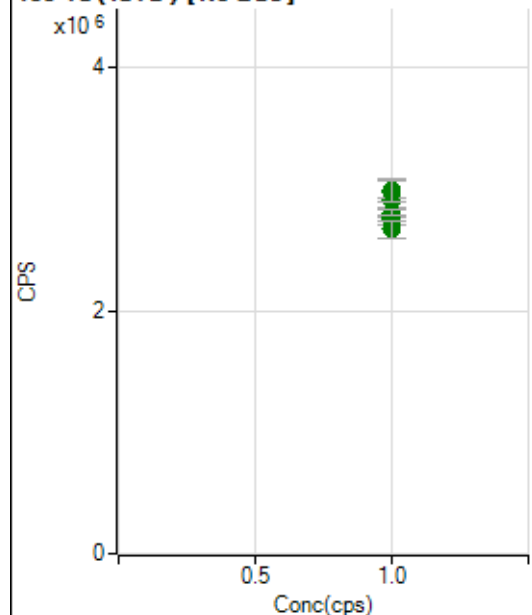
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		1130959.82		P	2.3
2	☐	1.000					
3	☐	1.000		1125525.68		P	1.8
4	☐	1.000		1154065.93		P	1.6
5	☐	1.000		1150768.94		P	5.4
6	☐	1.000		1186942.22		P	3.3
7	☐	1.000		1157297.75		P	2.0
8	☐	1.000		1171444.68		P	0.7
9	☐	1.000		1088891.10		P	1.8

115 In (ISTD) [No Gas]

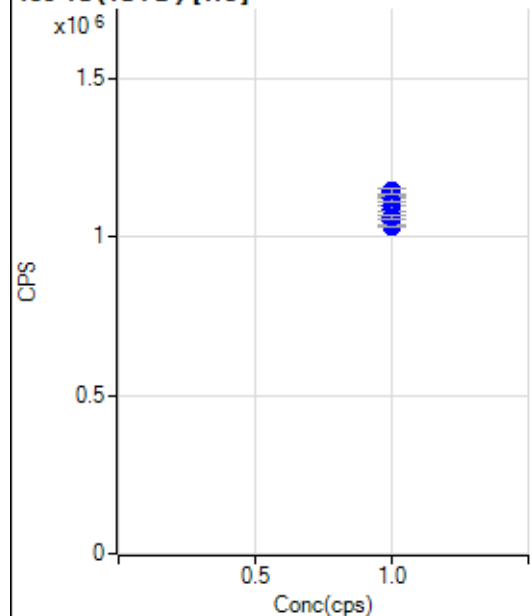
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		2658560.53		A	2.2
2	☐	1.000					
3	☐	1.000		2622938.71		A	1.9
4	☐	1.000		2631513.56		A	3.9
5	☐	1.000		2631400.92		A	2.0
6	☐	1.000		2722261.53		A	1.0
7	☐	1.000		2792772.78		A	4.6
8	☐	1.000		2747908.69		A	7.6
9	☐	1.000		2575210.52		A	3.5

115 In (ISTD) [He]

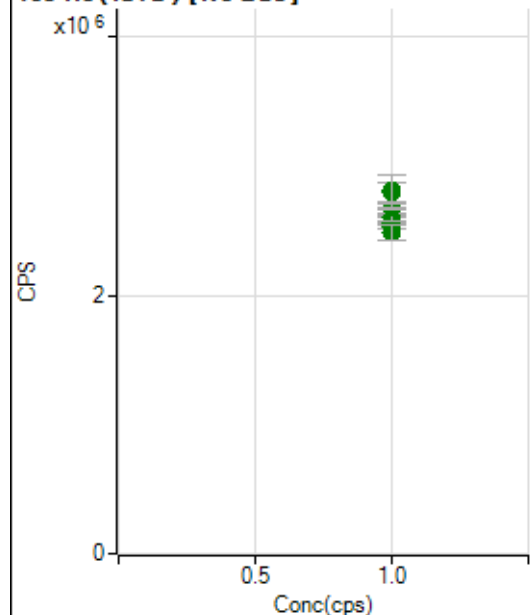
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		219382.67		P	1.7
2	☐	1.000					
3	☐	1.000		217448.14		P	1.4
4	☐	1.000		225324.11		P	1.9
5	☐	1.000		226274.80		P	6.0
6	☐	1.000		232061.55		P	3.2
7	☐	1.000		224512.03		P	1.8
8	☐	1.000		224356.17		P	1.3
9	☐	1.000		226793.10		P	1.2

159 Tb (ISTD) [No Gas]

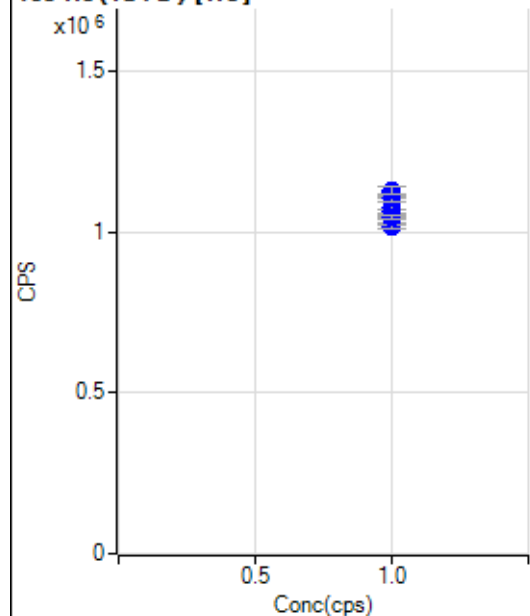
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		2798887.98		A	2.3
2	☐	1.000					
3	☐	1.000		2760376.66		A	1.3
4	☐	1.000		2777775.38		A	5.2
5	☐	1.000		2807952.91		A	1.9
6	☐	1.000		2910505.82		A	0.9
7	☐	1.000		2979766.66		A	5.7
8	☐	1.000		2986833.19		A	6.2
9	☐	1.000		2670092.29		A	5.2

159 Tb (ISTD) [He]

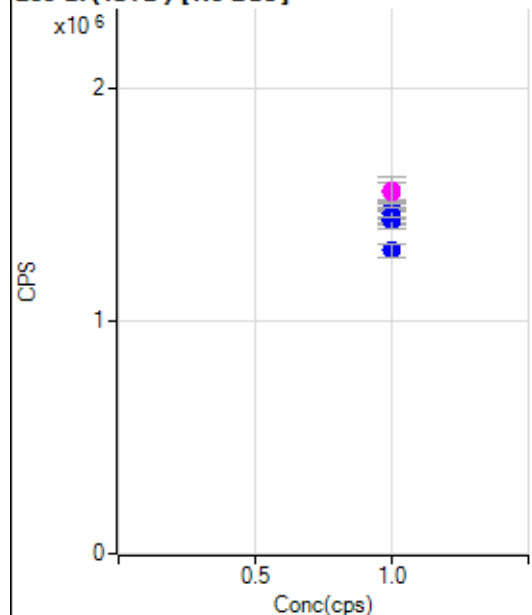
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		1047396.32		P	1.5
2	☐	1.000					
3	☐	1.000		1034373.04		P	1.0
4	☐	1.000		1086842.28		P	1.7
5	☐	1.000		1097519.50		P	5.8
6	☐	1.000		1138530.85		P	2.6
7	☐	1.000		1119488.69		P	1.8
8	☐	1.000		1144721.67		P	1.3
9	☐	1.000		1064216.12		P	1.2

165 Ho (ISTD) [No Gas]

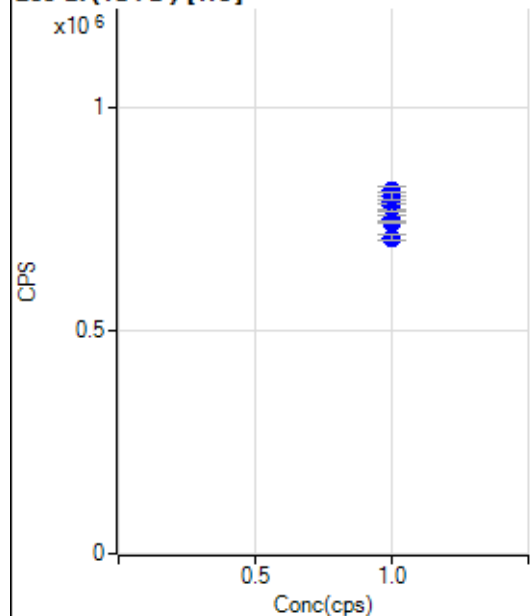
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		2579181.85		A	2.7
2	☐	1.000					
3	☐	1.000		2536884.08		A	1.5
4	☐	1.000		2560951.21		A	3.7
5	☐	1.000		2603430.61		A	2.2
6	☐	1.000		2682600.82		A	1.7
7	☐	1.000		2802161.87		A	5.4
8	☐	1.000		2809460.89		A	8.9
9	☐	1.000		2489397.97		A	4.5

165 Ho (ISTD) [He]

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		1020089.40		P	1.6
2	☐	1.000					
3	☐	1.000		1016543.81		P	1.2
4	☐	1.000		1063936.12		P	1.6
5	☐	1.000		1076935.03		P	6.1
6	☐	1.000		1122146.42		P	3.3
7	☐	1.000		1106500.52		P	2.5
8	☐	1.000		1127480.19		P	2.2
9	☐	1.000		1044783.40		P	1.0

209 Bi (ISTD) [No Gas]

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		1429962.90		P	2.4
2	☐	1.000					
3	☐	1.000		1427978.94		P	1.4
4	☐	1.000		1435415.71		P	4.9
5	☐	1.000		1461224.84		P	2.1
6	☐	1.000		1506056.68		P	2.1
7	☐	1.000		1553210.76		M	5.1
8	☐	1.000		1558297.04		M	7.3
9	☐	1.000		1301054.78		P	4.0

209 Bi (ISTD) [He]

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		749819.09		P	2.1
2	☐	1.000					
3	☐	1.000		742316.21		P	0.7
4	☐	1.000		778061.99		P	1.7
5	☐	1.000		788901.03		P	5.7
6	☐	1.000		812640.63		P	2.7
7	☐	1.000		794308.76		P	2.2
8	☐	1.000		801500.08		P	1.7
9	☐	1.000		708373.82		P	1.4

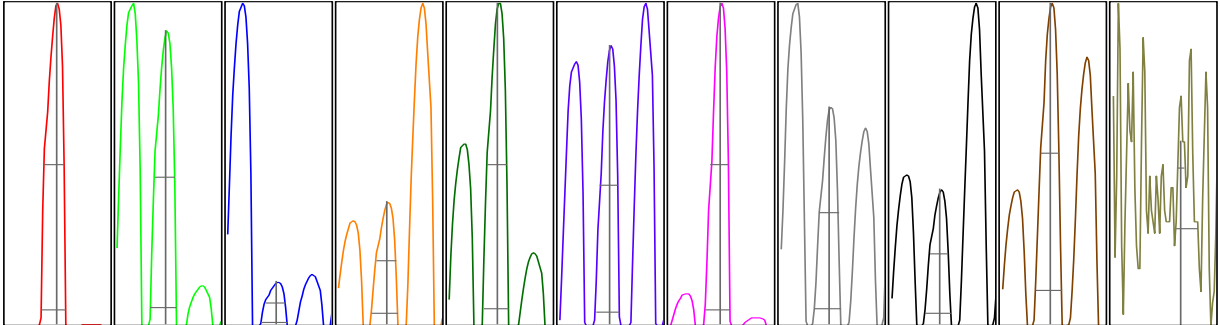
US EPA Tune Check Sample Report

Batch Folder D:\P8011819MS.b
Report Comment
Instrument Name G8403A JP17141814

[No Gas]				
Mass	Count (Mean)	RSD% (Actual)	RSD% (Required)	RSD% (Flag)
9	3146	1.05	5.00	
24	38080	0.38	5.00	
25	5255	0.80	5.00	
26	6137	0.67	5.00	
59	34179	0.62	5.00	
113	3306	0.45	5.00	
115	38319	0.90	5.00	
206	6252	0.85	5.00	
207	5826	1.18	5.00	
208	13467	0.72	5.00	
220	1	26.08		

Mass	Replicate 1 Count	Replicate 2 Count	Replicate 3 Count	Replicate 4 Count	Replicate 5 Count
9	3092	3139	3166	3157	3175
24	37898	37946	38169	38205	38180
25	5210	5257	5235	5249	5323
26	6087	6109	6132	6167	6189
59	34070	33920	34108	34388	34408
113	3283	3324	3308	3304	3310
115	37848	38073	38481	38517	38676
206	6169	6244	6252	6284	6310
207	5778	5744	5822	5868	5916
208	13360	13387	13526	13467	13597
220	1	2	1	1	2

Integration Time [sec] = 0.1



Mass	Peak Height	Axis (Actual)	Axis (Required)	Axis (Flag)	Width-X% (Actual)	Width-X% (Required)	Width- X% (Flag)
9	6002	9.00	8.9 - 9.1		0.691	0.900	
24	70347	23.95	23.9 - 24.1		0.735	0.900	
25	9580	24.95	24.9 - 25.1		0.737	0.900	
26	11169	25.95	25.9 - 26.1		0.750	0.900	
59	64774	58.95	58.9 - 59.1		0.732	0.900	
113	6724	113.00	112.9 - 113.1		0.687	0.900	
115	78060	115.00	114.9 - 115.1		0.709	0.900	
206	12207	205.95	205.9 - 206.1		0.738	0.900	
207	11061	206.95	206.9 - 207.1		0.741	0.900	
208	26134	207.95	207.9 - 208.1		0.740	0.900	
220	2	220.50	-		0.622		

X% = 5 Integration Time [sec] = 0.1 Acquisition Time [sec] = 268 Y Axis = Linear

Tune Parameters

Plasma Paramters

ParameterName	Value	Unit	ParameterName	Value	Unit	ParameterName	Value	Unit
Plasma Mode		HMI	Aerosol Dilution		HMI-8			

Lenses Parameters

ParameterName	Value	Unit	ParameterName	Value	Unit	ParameterName	Value	Unit
Extract 1	0.0	V	Omega Lens	10.8	V	Deflect	14.8	V
Extract 2	-250.0	V	Cell Entrance	-30	V	Plate Bias	-35	V
Omega Bias	-120	V	Cell Exit	-50	V			

Cell Parameters

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

[He]

Mass	Count (Mean)	RSD% (Actual)	RSD% (Required)
59	6132	0.79	
89	3848	0.52	
205	5593	0.98	

Mass	Replicate 1 Count	Replicate 2 Count	Replicate 3 Count	Replicate 4 Count	Replicate 5 Count
59	6183	6159	6143	6055	6122
89	3856	3864	3855	3813	3850
205	5603	5680	5588	5556	5539

Integration Time [sec] = 0.1

Tune Parameters

Plasma Paramters

ParameterName	Value	Unit	ParameterName	Value	Unit	ParameterName	Value	Unit
Plasma Mode		HMI	Aerosol Dilution		HMI-8			

Lenses Parameters

ParameterName	Value	Unit	ParameterName	Value	Unit	ParameterName	Value	Unit
Extract 1	0.0	V	Omega Lens	10.8	V	Deflect	3.4	V
Extract 2	-250.0	V	Cell Entrance	-40	V	Plate Bias	-60	V
Omega Bias	-120	V	Cell Exit	-60	V			

Cell Parameters

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

LB Number :	LB100404	Operator :	Jaswal
Lab Sample ID :	S0	Instrumnet Name :	P8
Client Sample ID :	S0	Dilution Factor :	1
Date & Time Acquired ::	2019-01-18 15:29:16	DataFile Name :	003CALB.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	-0.23	0.62	-0.39	0.00	N/A	ppb
Antimony	121-1	-0.01	0.00	0.01	0.00	N/A	ppb
Arsenic	75-2	0.01	-0.01	0.00	0.00	N/A	ppb
Barium	135-1	0.00	0.01	-0.01	0.00	N/A	ppb
Barium	137-1	0.01	0.00	-0.01	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	-0.04	0.31	-0.27	0.00	N/A	ppb
Boron	11-1	-0.03	0.14	-0.11	0.00	N/A	ppb
Cadmium	111-1	-0.05	0.04	0.01	0.00	N/A	ppb
Cadmium	106-1	-0.64	0.38	0.26	0.00	N/A	ppb
Cadmium	108-1	0.02	-0.04	0.02	0.00	N/A	ppb
Calcium	43-1	-0.24	-0.22	0.46	0.00	N/A	ppb
Calcium	44-1	0.20	2.96	-3.16	0.00	N/A	ppb
Chromium	52-2	0.05	-0.11	0.06	0.00	N/A	ppb
Cobalt	59-2	0.01	-0.01	0.00	0.00	N/A	ppb
Copper	63-2	0.03	-0.03	0.00	0.00	N/A	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				100		%
Holmium	165-2				100		%
Indium	115-1				100		%
Indium	115-2				100		%
Iron	56-2	0.24	0.01	-0.25	0.00	N/A	ppb
Iron	57-2	0.29	-0.68	0.39	0.00	N/A	ppb
Krypton	83-1						cps
Lead	206-1	0.00	0.01	-0.01	0.00	N/A	ppb
Lead	207-1	0.00	-0.01	0.01	0.00	N/A	ppb
Lead	208-1	0.00	0.00	0.00	0.00	N/A	ppb
Lithium	6-1				100		%
Magnesium	24-2	-0.30	0.70	-0.40	0.00	N/A	ppb

LB Number :	LB100404	Operator :	Jaswal
Lab Sample ID :	S0	Instrumnet Name :	P8
Client Sample ID :	S0	Dilution Factor :	1
Date & Time Acquired ::	2019-01-18 15:29:16	DataFile Name :	003CALB.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	0.07	0.03	-0.10	0.00	N/A	ppb
Molybdenum	94-1	-0.01	0.02	-0.01	0.00	N/A	ppb
Molybdenum	95-1	-0.01	0.00	0.01	0.00	N/A	ppb
Molybdenum	96-1	-0.01	0.00	0.00	0.00	N/A	ppb
Molybdenum	97-1	0.05	-0.01	-0.05	0.00	N/A	ppb
Molybdenum	98-1	0.00	-0.01	0.00	0.00	N/A	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.05	-0.03	-0.02	0.00	N/A	ppb
Phosphorus	31-2	-17.25	-56.69	-31.17	-35.04		ppb
Potassium	39-2	11.31	-4.99	-6.32	0.00	N/A	ppb
Rhodium	103-1				100		%
Rhodium	103-2				100		%
Scandium	45-1				100		%
Scandium	45-2				100		%
Selenium	77-2	-2.50	-2.50	5.01	0.00	N/A	ppb
Selenium	78-2	-0.61	0.01	0.61	0.00	N/A	ppb
Selenium	82-1	0.26	-0.41	0.16	0.00	N/A	ppb
Silicon	28-1	0.28	1.50	-1.78	0.00	N/A	ppb
Silver	109-1	0.00	0.01	-0.01	0.00	N/A	ppb
Silver	107-1	0.00	0.01	-0.01	0.00	N/A	ppb
Sodium	23-2	1.59	2.25	-3.84	0.00	N/A	ppb
Strontium	86-1	0.04	0.02	-0.06	0.00	N/A	ppb
Strontium	88-1	0.00	0.00	0.00	0.00	N/A	ppb
Sulfur	34-1	249.40	239.33	-993.77	-168.35		ppb
Terbium	159-1				100		%
Terbium	159-2				100		%
Thallium	203-1	-0.03	0.04	-0.01	0.00	N/A	ppb
Thallium	205-1	0.00	0.00	0.00	0.00	N/A	ppb
Tin	118-1	0.00	0.01	-0.01	0.00	N/A	ppb
Titanium	47-1	0.02	-0.01	-0.01	0.00	N/A	ppb
Uranium	238-1	0.00	0.00	0.00	0.00	N/A	ppb
Vanadium	51-2	-0.01	0.00	0.01	0.00	N/A	ppb
Yttrium	89-1				100		%
Yttrium	89-2				100		%
Zinc	66-2	-0.08	0.12	-0.04	0.00	N/A	ppb

LB Number :	LB100404	Operator :	Jaswal
Lab Sample ID :	S0	Instrumnet Name :	P8
Client Sample ID :	S0	Dilution Factor :	1
Date & Time Acquired ::	2019-01-18 15:29:16	DataFile Name :	003CALB.d

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

LB Number :	LB100404	Operator :	Jaswal
Lab Sample ID :	S2	Instrumnet Name :	P8
Client Sample ID :	S2	Dilution Factor :	1
Date & Time Acquired ::	2019-01-18 15:36:51	DataFile Name :	005CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	20.60	15.84	21.07	19.17	15.09	ppb
Antimony	121-1	1.73	1.94	1.90	1.86	6.15	ppb
Arsenic	75-2	1.06	1.24	0.74	1.02	24.79	ppb
Barium	135-1	9.99	10.21	10.32	10.18	1.67	ppb
Barium	137-1	9.77	10.11	9.38	9.75	3.74	ppb
Beryllium	9-1	0.98	1.02	1.01	1.00	1.84	ppb
Bismuth	209-1				100		%
Bismuth	209-2				99		%
Boron	10-1	23.40	25.96	23.18	24.18	6.38	ppb
Boron	11-1	23.51	23.27	23.68	23.49	0.88	ppb
Cadmium	111-1	1.15	1.20	1.23	1.19	3.25	ppb
Cadmium	106-1	2.57	1.96	2.05	2.19	14.97	ppb
Cadmium	108-1	0.80	1.18	0.79	0.92	24.17	ppb
Calcium	43-1	440.46	469.66	450.49	453.54	3.27	ppb
Calcium	44-1	449.98	464.00	448.54	454.17	1.88	ppb
Chromium	52-2	2.00	2.16	2.16	2.11	4.56	ppb
Cobalt	59-2	1.06	1.09	0.99	1.04	5.05	ppb
Copper	63-2	2.23	2.26	2.08	2.19	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				98		%
Holmium	165-2				100		%
Indium	115-1				99		%
Indium	115-2				99		%
Iron	56-2	56.58	57.42	53.42	55.81	3.77	ppb
Iron	57-2	43.52	45.44	49.79	46.25	6.95	ppb
Krypton	83-1						cps
Lead	206-1	1.16	1.16	1.03	1.11	6.93	ppb
Lead	207-1	1.13	1.18	1.07	1.13	5.05	ppb
Lead	208-1	1.16	1.18	1.06	1.14	5.82	ppb
Lithium	6-1				101		%
Magnesium	24-2	506.55	518.18	514.10	512.95	1.15	ppb

LB Number :	LB100404	Operator :	Jaswal
Lab Sample ID :	S2	Instrumnet Name :	P8
Client Sample ID :	S2	Dilution Factor :	1
Date & Time Acquired ::	2019-01-18 15:36:51	DataFile Name :	005CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	1.06	1.04	1.01	1.03	2.59	ppb
Molybdenum	94-1	5.08	5.23	4.68	5.00	5.71	ppb
Molybdenum	95-1	5.08	4.85	4.99	4.97	2.38	ppb
Molybdenum	96-1	5.01	5.17	4.72	4.97	4.57	ppb
Molybdenum	97-1	5.22	5.10	5.24	5.18	1.49	ppb
Molybdenum	98-1	5.06	4.98	4.99	5.01	0.87	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	1.06	1.24	1.14	1.15	8.05	ppb
Phosphorus	31-2	-17.57	89.82	32.87	35.04	153.34	ppb
Potassium	39-2	484.80	500.71	491.06	492.19	1.63	ppb
Rhodium	103-1				99		%
Rhodium	103-2				100		%
Scandium	45-1				100		%
Scandium	45-2				99		%
Selenium	77-2	1.46	1.39	1.30	1.39	5.73	ppb
Selenium	78-2	6.49	10.82	4.97	7.43	40.89	ppb
Selenium	82-1	7.50	5.57	6.40	6.49	14.89	ppb
Silicon	28-1	10.69	13.05	9.92	11.22	14.51	ppb
Silver	109-1	1.10	1.02	1.04	1.05	3.88	ppb
Silver	107-1	1.10	1.08	0.98	1.05	5.94	ppb
Sodium	23-2	491.10	510.76	484.62	495.49	2.75	ppb
Strontium	86-1	1.03	1.06	1.03	1.04	1.77	ppb
Strontium	88-1	0.98	0.99	0.96	0.98	1.29	ppb
Sulfur	34-1	35.74	607.45	-138.15	168.35	231.72	ppb
Terbium	159-1				99		%
Terbium	159-2				99		%
Thallium	203-1	1.39	1.25	1.36	1.33	5.77	ppb
Thallium	205-1	1.43	1.43	1.53	1.46	3.68	ppb
Tin	118-1	5.01	5.05	5.14	5.07	1.25	ppb
Titanium	47-1	5.10	4.92	5.46	5.16	5.39	ppb
Uranium	238-1	0.97	0.89	0.90	0.92	4.73	ppb
Vanadium	51-2	5.42	5.25	5.17	5.28	2.41	ppb
Yttrium	89-1				99		%
Yttrium	89-2				99		%
Zinc	66-2	2.14	2.35	1.78	2.09	13.87	ppb

LB Number :	LB100404	Operator :	Jaswal
Lab Sample ID :	S2	Instrumnet Name :	P8
Client Sample ID :	S2	Dilution Factor :	1
Date & Time Acquired ::	2019-01-18 15:36:51	DataFile Name :	005CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	90-1	1.04	0.98	0.87	0.96	9.01	ppb
Zirconium	91-1	0.92	0.81	0.95	0.89	7.83	ppb

LB Number :	LB100404	Operator :	Jaswal
Lab Sample ID :	S3	Instrumnet Name :	P8
Client Sample ID :	S3	Dilution Factor :	1
Date & Time Acquired ::	2019-01-18 15:40:49	DataFile Name :	006CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	1008.48	1055.83	999.77	1021.36	2.95	ppb
Antimony	121-1	48.32	51.27	53.77	51.12	5.34	ppb
Arsenic	75-2	50.62	52.06	50.13	50.94	1.97	ppb
Barium	135-1	245.70	258.51	267.85	257.35	4.32	ppb
Barium	137-1	244.47	262.00	271.93	259.46	5.36	ppb
Beryllium	9-1	50.74	52.71	53.36	52.27	2.62	ppb
Bismuth	209-1				100		%
Bismuth	209-2				104		%
Boron	10-1	48.09	50.47	58.08	52.21	9.99	ppb
Boron	11-1	50.84	52.34	55.26	52.81	4.26	ppb
Cadmium	111-1	50.05	53.23	55.10	52.79	4.83	ppb
Cadmium	106-1	48.33	54.55	53.36	52.08	6.34	ppb
Cadmium	108-1	47.11	54.81	55.82	52.58	9.06	ppb
Calcium	43-1	4619.21	4920.06	5091.38	4876.88	4.90	ppb
Calcium	44-1	4600.84	5018.36	5199.90	4939.70	6.22	ppb
Chromium	52-2	53.54	55.29	52.60	53.81	2.54	ppb
Cobalt	59-2	52.43	54.35	52.15	52.97	2.27	ppb
Copper	63-2	105.95	111.81	105.72	107.83	3.20	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				99		%
Holmium	165-2				104		%
Indium	115-1				99		%
Indium	115-2				103		%
Iron	56-2	2665.29	2755.71	2701.06	2707.35	1.68	ppb
Iron	57-2	2617.50	2706.76	2632.43	2652.23	1.80	ppb
Krypton	83-1						cps
Lead	206-1	48.50	52.45	54.24	51.73	5.68	ppb
Lead	207-1	50.21	52.99	55.03	52.74	4.59	ppb
Lead	208-1	48.52	51.69	54.33	51.51	5.65	ppb
Lithium	6-1				102		%
Magnesium	24-2	5516.84	5748.23	5453.49	5572.86	2.78	ppb

LB Number :	LB100404	Operator :	Jaswal
Lab Sample ID :	S3	Instrumnet Name :	P8
Client Sample ID :	S3	Dilution Factor :	1
Date & Time Acquired ::	2019-01-18 15:40:49	DataFile Name :	006CAL.S.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	105.92	110.63	104.30	106.95	3.08	ppb
Molybdenum	94-1	250.79	264.12	272.95	262.62	4.25	ppb
Molybdenum	95-1	244.43	261.88	269.13	258.48	4.91	ppb
Molybdenum	96-1	242.85	260.54	270.37	257.92	5.41	ppb
Molybdenum	97-1	243.85	263.56	270.95	259.45	5.40	ppb
Molybdenum	98-1	244.25	261.64	270.57	258.82	5.17	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	52.93	55.85	54.32	54.37	2.70	ppb
Phosphorus	31-2	1061.69	1207.90	1015.62	1095.07	9.17	ppb
Potassium	39-2	2468.94	2635.49	2514.46	2539.63	3.39	ppb
Rhodium	103-1				100		%
Rhodium	103-2				102		%
Scandium	45-1				99		%
Scandium	45-2				103		%
Selenium	77-2	42.14	54.68	67.98	54.93	23.53	ppb
Selenium	78-2	54.51	55.26	57.39	55.72	2.67	ppb
Selenium	82-1	50.71	54.71	54.86	53.43	4.40	ppb
Silicon	28-1	54.52	64.96	71.10	63.53	13.19	ppb
Silver	109-1	49.01	52.90	54.17	52.03	5.17	ppb
Silver	107-1	49.47	53.17	55.28	52.64	5.59	ppb
Sodium	23-2	5225.26	5334.49	5137.40	5232.38	1.89	ppb
Strontium	86-1	49.01	53.09	53.32	51.80	4.68	ppb
Strontium	88-1	49.59	53.77	55.22	52.86	5.53	ppb
Sulfur	34-1	-87.07	2039.79	3162.66	1705.13	96.80	ppb
Terbium	159-1				99		%
Terbium	159-2				104		%
Thallium	203-1	48.08	51.88	53.56	51.17	5.49	ppb
Thallium	205-1	48.71	51.80	54.04	51.52	5.19	ppb
Tin	118-1	47.62	51.95	53.33	50.97	5.85	ppb
Titanium	47-1	246.60	263.40	272.09	260.70	4.97	ppb
Uranium	238-1	48.01	52.05	53.70	51.25	5.71	ppb
Vanadium	51-2	52.75	52.55	51.53	52.28	1.26	ppb
Yttrium	89-1				99		%
Yttrium	89-2				102		%
Zinc	66-2	107.35	111.42	105.82	108.20	2.68	ppb

LB Number :	LB100404	Operator :	Jaswal
Lab Sample ID :	S3	Instrumnet Name :	P8
Client Sample ID :	S3	Dilution Factor :	1
Date & Time Acquired ::	2019-01-18 15:40:49	DataFile Name :	006CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	90-1	49.89	52.57	54.80	52.42	4.70	ppb
Zirconium	91-1	48.29	52.24	53.02	51.18	4.95	ppb

LB Number : LB100404 Operator : Jaswal
 Lab Sample ID : S4 Instrumnet Name : P8
 Client Sample ID : S4 Dilution Factor : 1
 Date & Time Acquired :: 2019-01-18 15:44:45 DataFile Name : 007CAL.S.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	2725.68	2557.28	2458.30	2580.42	5.24	ppb
Antimony	121-1	126.48	129.96	130.65	129.03	1.73	ppb
Arsenic	75-2	136.91	131.76	122.06	130.24	5.79	ppb
Barium	135-1	636.88	650.63	651.17	646.23	1.25	ppb
Barium	137-1	642.92	652.19	665.64	653.58	1.75	ppb
Beryllium	9-1	130.92	133.61	131.41	131.98	1.09	ppb
Bismuth	209-1				102		%
Bismuth	209-2				105		%
Boron	10-1	126.94	128.82	127.60	127.79	0.75	ppb
Boron	11-1	126.47	133.60	132.30	130.79	2.91	ppb
Cadmium	111-1	129.31	133.10	135.86	132.76	2.48	ppb
Cadmium	106-1	133.59	139.39	133.97	135.65	2.39	ppb
Cadmium	108-1	130.36	135.38	131.42	132.39	2.00	ppb
Calcium	43-1	12119.40	12392.09	12329.32	12280.27	1.16	ppb
Calcium	44-1	12188.50	12514.28	12432.21	12378.33	1.37	ppb
Chromium	52-2	142.68	133.48	127.59	134.58	5.65	ppb
Cobalt	59-2	143.98	133.09	128.75	135.27	5.80	ppb
Copper	63-2	289.72	269.06	258.16	272.32	5.89	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				101		%
Holmium	165-2				106		%
Indium	115-1				99		%
Indium	115-2				103		%
Iron	56-2	7320.75	6736.54	6467.04	6841.44	6.38	ppb
Iron	57-2	7115.25	6609.51	6384.13	6702.96	5.59	ppb
Krypton	83-1						cps
Lead	206-1	127.18	130.22	130.94	129.44	1.54	ppb
Lead	207-1	128.72	131.36	134.30	131.46	2.12	ppb
Lead	208-1	125.71	129.66	130.96	128.78	2.12	ppb
Lithium	6-1				105		%
Magnesium	24-2	15092.19	13927.57	13172.25	14064.01	6.88	ppb

LB Number :	LB100404	Operator :	Jaswal
Lab Sample ID :	S4	Instrumnet Name :	P8
Client Sample ID :	S4	Dilution Factor :	1
Date & Time Acquired ::	2019-01-18 15:44:45	DataFile Name :	007CAL.S.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	288.19	267.28	257.73	271.07	5.75	ppb
Molybdenum	94-1	638.55	663.73	654.64	652.31	1.95	ppb
Molybdenum	95-1	630.72	657.58	638.76	642.35	2.15	ppb
Molybdenum	96-1	637.44	663.67	639.78	646.96	2.24	ppb
Molybdenum	97-1	634.20	670.12	649.73	651.35	2.77	ppb
Molybdenum	98-1	644.79	682.16	657.09	661.35	2.88	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	147.54	136.88	130.33	138.25	6.28	ppb
Phosphorus	31-2	3045.56	2747.20	2571.57	2788.11	8.59	ppb
Potassium	39-2	6956.98	6333.71	6159.48	6483.39	6.47	ppb
Rhodium	103-1				98		%
Rhodium	103-2				102		%
Scandium	45-1				100		%
Scandium	45-2				101		%
Selenium	77-2	129.68	120.40	133.28	127.79	5.20	ppb
Selenium	78-2	133.11	128.57	112.28	124.65	8.79	ppb
Selenium	82-1	131.23	133.54	133.21	132.66	0.94	ppb
Silicon	28-1	154.80	161.74	157.86	158.13	2.20	ppb
Silver	109-1	127.63	131.42	132.71	130.59	2.02	ppb
Silver	107-1	129.21	133.12	133.79	132.04	1.87	ppb
Sodium	23-2	14133.77	13060.88	12419.24	13204.63	6.56	ppb
Strontium	86-1	126.16	134.00	129.45	129.87	3.03	ppb
Strontium	88-1	129.60	138.26	134.91	134.26	3.26	ppb
Sulfur	34-1	3385.65	3511.74	3010.18	3302.53	7.90	ppb
Terbium	159-1				100		%
Terbium	159-2				105		%
Thallium	203-1	124.85	128.75	130.45	128.01	2.24	ppb
Thallium	205-1	128.72	130.39	132.63	130.58	1.50	ppb
Tin	118-1	125.69	130.39	129.75	128.61	1.98	ppb
Titanium	47-1	644.96	665.13	649.25	653.11	1.63	ppb
Uranium	238-1	125.77	129.32	131.51	128.86	2.25	ppb
Vanadium	51-2	141.27	130.39	127.35	133.00	5.51	ppb
Yttrium	89-1				100		%
Yttrium	89-2				102		%
Zinc	66-2	289.59	271.51	257.71	272.94	5.86	ppb

LB Number :	LB100404	Operator :	Jaswal
Lab Sample ID :	S4	Instrumnet Name :	P8
Client Sample ID :	S4	Dilution Factor :	1
Date & Time Acquired ::	2019-01-18 15:44:45	DataFile Name :	007CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	90-1	126.98	133.89	132.03	130.97	2.73	ppb
Zirconium	91-1	127.01	129.93	130.46	129.13	1.44	ppb

LB Number :	LB100404	Operator :	Jaswal
Lab Sample ID :	S5	Instrumnet Name :	P8
Client Sample ID :	S5	Dilution Factor :	1
Date & Time Acquired ::	2019-01-18 15:48:40	DataFile Name :	008CAL.S.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	5060.48	5037.67	4698.07	4932.07	4.12	ppb
Antimony	121-1	254.38	246.25	251.16	250.59	1.63	ppb
Arsenic	75-2	253.26	257.23	239.12	249.87	3.81	ppb
Barium	135-1	1273.82	1249.01	1265.00	1262.61	1.00	ppb
Barium	137-1	1285.61	1279.17	1292.33	1285.70	0.51	ppb
Beryllium	9-1	260.06	252.14	253.76	255.32	1.64	ppb
Bismuth	209-1				105		%
Bismuth	209-2				108		%
Boron	10-1	248.44	245.79	252.81	249.01	1.42	ppb
Boron	11-1	249.64	243.04	250.22	247.63	1.61	ppb
Cadmium	111-1	258.72	254.23	257.42	256.79	0.90	ppb
Cadmium	106-1	259.47	256.72	254.03	256.74	1.06	ppb
Cadmium	108-1	250.86	250.99	248.55	250.13	0.55	ppb
Calcium	43-1	24024.72	23391.11	23949.55	23788.46	1.46	ppb
Calcium	44-1	23777.19	23308.55	24062.69	23716.14	1.61	ppb
Chromium	52-2	266.76	264.91	244.46	258.71	4.78	ppb
Cobalt	59-2	264.04	264.90	245.30	258.08	4.29	ppb
Copper	63-2	532.91	536.02	495.23	521.39	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				104		%
Holmium	165-2				110		%
Indium	115-1				102		%
Indium	115-2				106		%
Iron	56-2	13328.43	13297.11	12246.10	12957.21	4.75	ppb
Iron	57-2	13152.06	13253.53	12304.48	12903.36	4.04	ppb
Krypton	83-1						cps
Lead	206-1	257.26	247.29	255.68	253.41	2.12	ppb
Lead	207-1	262.05	251.82	262.06	258.64	2.28	ppb
Lead	208-1	255.50	245.61	254.30	251.80	2.14	ppb
Lithium	6-1				108		%
Magnesium	24-2	27322.59	27408.13	25221.78	26650.83	4.65	ppb

LB Number :	LB100404	Operator :	Jaswal
Lab Sample ID :	S5	Instrumnet Name :	P8
Client Sample ID :	S5	Dilution Factor :	1
Date & Time Acquired ::	2019-01-18 15:48:40	DataFile Name :	008CAL.S.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	530.00	529.89	484.10	514.66	5.14	ppb
Molybdenum	94-1	1295.22	1263.29	1294.86	1284.46	1.43	ppb
Molybdenum	95-1	1308.13	1257.54	1309.52	1291.73	2.29	ppb
Molybdenum	96-1	1296.58	1259.51	1289.66	1281.92	1.54	ppb
Molybdenum	97-1	1292.63	1278.09	1281.81	1284.18	0.59	ppb
Molybdenum	98-1	1291.41	1261.32	1264.47	1272.40	1.30	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	270.49	271.08	246.00	262.52	5.45	ppb
Phosphorus	31-2	4703.90	4916.85	4740.28	4787.01	2.38	ppb
Potassium	39-2	12520.90	12833.62	11829.00	12394.51	4.15	ppb
Rhodium	103-1				101		%
Rhodium	103-2				105		%
Scandium	45-1				103		%
Scandium	45-2				105		%
Selenium	77-2	241.11	308.38	263.26	270.91	12.66	ppb
Selenium	78-2	255.73	267.59	261.34	261.56	2.27	ppb
Selenium	82-1	258.20	252.78	259.36	256.78	1.37	ppb
Silicon	28-1	265.10	257.18	269.72	264.00	2.40	ppb
Silver	109-1	254.33	249.50	252.70	252.18	0.97	ppb
Silver	107-1	254.77	251.42	254.70	253.63	0.76	ppb
Sodium	23-2	26448.69	25968.92	24257.71	25558.44	4.51	ppb
Strontium	86-1	253.57	250.43	255.05	253.01	0.93	ppb
Strontium	88-1	262.38	256.42	261.93	260.24	1.28	ppb
Sulfur	34-1	5537.82	4271.77	4669.61	4826.40	13.41	ppb
Terbium	159-1				104		%
Terbium	159-2				109		%
Thallium	203-1	255.06	243.97	253.84	250.95	2.42	ppb
Thallium	205-1	259.48	250.46	255.30	255.08	1.77	ppb
Tin	118-1	252.51	245.13	248.68	248.77	1.48	ppb
Titanium	47-1	1266.76	1251.36	1262.11	1260.08	0.63	ppb
Uranium	238-1	262.79	255.79	264.07	260.88	1.71	ppb
Vanadium	51-2	259.14	261.11	242.68	254.31	3.98	ppb
Yttrium	89-1				103		%
Yttrium	89-2				105		%
Zinc	66-2	533.96	540.95	489.89	521.60	5.31	ppb

LB Number :	LB100404	Operator :	Jaswal
Lab Sample ID :	S5	Instrumnet Name :	P8
Client Sample ID :	S5	Dilution Factor :	1
Date & Time Acquired ::	2019-01-18 15:48:40	DataFile Name :	008CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	90-1	258.71	251.78	260.28	256.92	1.76	ppb
Zirconium	91-1	252.96	245.67	250.83	249.82	1.50	ppb

LB Number :	LB100404	Operator :	Jaswal
Lab Sample ID :	S6	Instrumnet Name :	P8
Client Sample ID :	S6	Dilution Factor :	1
Date & Time Acquired ::	2019-01-18 15:52:28	DataFile Name :	009CAL.S.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	9540.60	9802.71	9696.67	9679.99	1.36	ppb
Antimony	121-1	479.72	511.15	535.95	508.94	5.54	ppb
Arsenic	75-2	504.16	524.73	505.09	511.33	2.27	ppb
Barium	135-1	2382.54	2536.30	2694.21	2537.68	6.14	ppb
Barium	137-1	2360.73	2555.36	2704.14	2540.08	6.78	ppb
Beryllium	9-1	481.15	501.35	515.24	499.25	3.43	ppb
Bismuth	209-1				109		%
Bismuth	209-2				106		%
Boron	10-1	461.07	491.92	516.98	489.99	5.72	ppb
Boron	11-1	471.95	494.45	523.88	496.76	5.24	ppb
Cadmium	111-1	471.82	507.73	533.61	504.38	6.15	ppb
Cadmium	106-1	475.19	510.62	523.58	503.13	4.98	ppb
Cadmium	108-1	473.59	499.32	534.81	502.57	6.12	ppb
Calcium	43-1	44249.57	46839.37	50032.78	47040.57	6.16	ppb
Calcium	44-1	44289.10	46307.99	49128.45	46575.18	5.22	ppb
Chromium	52-2	503.69	513.52	506.31	507.84	1.00	ppb
Cobalt	59-2	499.98	509.52	502.30	503.93	0.99	ppb
Copper	63-2	1009.15	1029.55	1013.45	1017.38	1.06	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				109		%
Holmium	165-2				108		%
Indium	115-1				105		%
Indium	115-2				102		%
Iron	56-2	25529.58	25500.43	25202.53	25410.85	0.71	ppb
Iron	57-2	25155.30	25745.11	25066.92	25322.44	1.46	ppb
Krypton	83-1						cps
Lead	206-1	468.56	502.76	520.20	497.17	5.28	ppb
Lead	207-1	480.74	514.42	532.24	509.13	5.14	ppb
Lead	208-1	476.41	506.69	528.53	503.88	5.19	ppb
Lithium	6-1				110		%
Magnesium	24-2	53655.24	54751.45	53301.41	53902.70	1.40	ppb

LB Number :	LB100404	Operator :	Jaswal
Lab Sample ID :	S6	Instrumnet Name :	P8
Client Sample ID :	S6	Dilution Factor :	1
Date & Time Acquired ::	2019-01-18 15:52:28	DataFile Name :	009CAL.S.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	1006.99	1031.89	1021.48	1020.12	1.23	ppb
Molybdenum	94-1	2418.92	2493.22	2585.81	2499.32	3.35	ppb
Molybdenum	95-1	2435.96	2488.29	2613.72	2512.66	3.64	ppb
Molybdenum	96-1	2395.75	2429.68	2599.67	2475.03	4.41	ppb
Molybdenum	97-1	2418.68	2478.63	2615.15	2504.16	4.02	ppb
Molybdenum	98-1	2388.38	2479.76	2579.82	2482.65	3.86	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	508.13	515.68	507.63	510.48	0.88	ppb
Phosphorus	31-2	10280.30	10878.37	9403.59	10187.42	7.28	ppb
Potassium	39-2	24391.91	24722.95	24461.96	24525.61	0.71	ppb
Rhodium	103-1				103		%
Rhodium	103-2				102		%
Scandium	45-1				106		%
Scandium	45-2				107		%
Selenium	77-2	494.70	541.95	452.41	496.36	9.02	ppb
Selenium	78-2	518.56	535.06	501.12	518.25	3.27	ppb
Selenium	82-1	482.66	502.45	523.05	502.72	4.02	ppb
Silicon	28-1	476.79	503.88	560.34	513.67	8.30	ppb
Silver	109-1	472.56	511.52	535.49	506.52	6.27	ppb
Silver	107-1	481.28	518.35	532.12	510.58	5.15	ppb
Sodium	23-2	49190.40	50509.18	49299.95	49666.51	1.47	ppb
Strontium	86-1	478.60	494.19	515.10	495.96	3.69	ppb
Strontium	88-1	481.33	500.76	524.62	502.24	4.32	ppb
Sulfur	34-1	7066.12	8876.12	11405.67	9115.97	23.91	ppb
Terbium	159-1				106		%
Terbium	159-2				107		%
Thallium	203-1	469.10	495.48	516.12	493.57	4.78	ppb
Thallium	205-1	489.99	510.57	531.38	510.64	4.05	ppb
Tin	118-1	466.25	494.18	529.73	496.72	6.41	ppb
Titanium	47-1	2397.22	2548.88	2691.31	2545.80	5.78	ppb
Uranium	238-1	483.23	514.81	529.77	509.27	4.67	ppb
Vanadium	51-2	500.24	508.73	502.80	503.93	0.86	ppb
Yttrium	89-1				107		%
Yttrium	89-2				104		%
Zinc	66-2	1006.66	1043.90	1014.13	1021.56	1.93	ppb

LB Number :	LB100404	Operator :	Jaswal
Lab Sample ID :	S6	Instrumnet Name :	P8
Client Sample ID :	S6	Dilution Factor :	1
Date & Time Acquired ::	2019-01-18 15:52:28	DataFile Name :	009CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	90-1	478.43	498.86	523.86	500.38	4.55	ppb
Zirconium	91-1	469.04	486.57	510.25	488.62	4.23	ppb

LB Number :	LB100404	Operator :	Jaswal
Lab Sample ID :	S7	Instrumnet Name :	P8
Client Sample ID :	S7	Dilution Factor :	1
Date & Time Acquired ::	2019-01-18 15:56:12	DataFile Name :	010CAL.S.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	18872.25	18627.81	19269.79	18923.28	1.71	ppb
Antimony	121-1	958.50	943.51	1082.46	994.82	7.67	ppb
Arsenic	75-2	986.32	993.44	1001.24	993.67	0.75	ppb
Barium	135-1	4819.37	4716.37	5389.21	4974.98	7.28	ppb
Barium	137-1	4791.89	4731.77	5377.31	4966.99	7.18	ppb
Beryllium	9-1	966.35	965.68	1062.15	998.06	5.56	ppb
Bismuth	209-1				109		%
Bismuth	209-2				107		%
Boron	10-1	946.19	977.37	1090.88	1004.81	7.58	ppb
Boron	11-1	954.36	976.33	1073.46	1001.38	6.33	ppb
Cadmium	111-1	963.40	952.52	1069.08	995.00	6.47	ppb
Cadmium	106-1	961.41	958.79	1065.74	995.31	6.13	ppb
Cadmium	108-1	964.60	956.54	1071.74	997.63	6.45	ppb
Calcium	43-1	90607.33	89512.61	98916.11	93012.02	5.53	ppb
Calcium	44-1	88458.38	88126.78	98519.35	91701.51	6.44	ppb
Chromium	52-2	987.24	987.27	1003.04	992.51	0.92	ppb
Cobalt	59-2	988.54	990.74	1004.46	994.58	0.87	ppb
Copper	63-2	1970.79	1968.23	2009.32	1982.78	1.16	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				109		%
Holmium	165-2				111		%
Indium	115-1				103		%
Indium	115-2				102		%
Iron	56-2	49470.38	49336.10	49819.58	49542.02	0.50	ppb
Iron	57-2	49179.75	48937.18	49839.80	49318.91	0.95	ppb
Krypton	83-1						cps
Lead	206-1	972.96	942.73	1084.06	999.92	7.44	ppb
Lead	207-1	958.86	947.15	1070.98	992.33	6.89	ppb
Lead	208-1	961.44	943.62	1086.13	997.06	7.79	ppb
Lithium	6-1				109		%
Magnesium	24-2	101846.89	102977.65	104935.65	103253.40	1.51	ppb

LB Number :	LB100404	Operator :	Jaswal
Lab Sample ID :	S7	Instrumnet Name :	P8
Client Sample ID :	S7	Dilution Factor :	1
Date & Time Acquired ::	2019-01-18 15:56:12	DataFile Name :	010CAL.S.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	1978.27	1975.39	1996.22	1983.29	0.57	ppb
Molybdenum	94-1	4792.53	4759.21	5411.31	4987.68	7.36	ppb
Molybdenum	95-1	4742.22	4739.19	5460.53	4980.65	8.34	ppb
Molybdenum	96-1	4804.96	4752.55	5446.57	5001.36	7.73	ppb
Molybdenum	97-1	4800.22	4753.55	5403.07	4985.61	7.27	ppb
Molybdenum	98-1	4842.51	4782.37	5369.39	4998.09	6.46	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	982.06	984.39	1002.82	989.75	1.15	ppb
Phosphorus	31-2	19254.41	19783.79	20718.11	19918.77	3.72	ppb
Potassium	39-2	47735.77	48057.21	48871.73	48221.57	1.21	ppb
Rhodium	103-1				103		%
Rhodium	103-2				104		%
Scandium	45-1				107		%
Scandium	45-2				110		%
Selenium	77-2	955.91	996.26	1035.88	996.02	4.01	ppb
Selenium	78-2	973.05	966.66	1023.48	987.73	3.15	ppb
Selenium	82-1	964.70	946.90	1075.82	995.81	7.02	ppb
Silicon	28-1	960.35	935.00	1059.15	984.84	6.66	ppb
Silver	109-1	967.56	960.77	1057.85	995.39	5.44	ppb
Silver	107-1	956.38	949.74	1072.24	992.79	6.94	ppb
Sodium	23-2	94823.73	95644.16	96636.22	95701.37	0.95	ppb
Strontium	86-1	964.60	949.71	1087.39	1000.57	7.55	ppb
Strontium	88-1	951.71	950.08	1083.27	995.02	7.68	ppb
Sulfur	34-1	19222.86	18424.69	23401.97	20349.84	13.14	ppb
Terbium	159-1				107		%
Terbium	159-2				109		%
Thallium	203-1	975.24	944.45	1087.93	1002.54	7.53	ppb
Thallium	205-1	971.17	934.55	1072.18	992.63	7.18	ppb
Tin	118-1	974.34	947.46	1082.54	1001.45	7.14	ppb
Titanium	47-1	4782.29	4776.62	5352.68	4970.53	6.66	ppb
Uranium	238-1	953.08	933.13	1090.08	992.10	8.61	ppb
Vanadium	51-2	981.74	991.68	1014.11	995.84	1.66	ppb
Yttrium	89-1				107		%
Yttrium	89-2				107		%
Zinc	66-2	1953.62	1969.42	2018.59	1980.54	1.71	ppb

LB Number :	LB100404	Operator :	Jaswal
Lab Sample ID :	S7	Instrumnet Name :	P8
Client Sample ID :	S7	Dilution Factor :	1
Date & Time Acquired ::	2019-01-18 15:56:12	DataFile Name :	010CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	90-1	957.99	958.34	1075.30	997.21	6.78	ppb
Zirconium	91-1	965.46	970.34	1079.68	1005.16	6.43	ppb

LB Number :	LB100404	Operator :	Jaswal
Lab Sample ID :	S8	Instrumnet Name :	P8
Client Sample ID :	S8	Dilution Factor :	1
Date & Time Acquired ::	2019-01-18 15:59:48	DataFile Name :	011CAL.S.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	98406.49	101707.90	100631.16	100248.52	1.68	ppb
Antimony	121-1	1.52	1.49	1.63	1.55	4.84	ppb
Arsenic	75-2	1.43	1.30	1.51	1.41	7.48	ppb
Barium	135-1	0.54	0.68	0.78	0.67	18.47	ppb
Barium	137-1	0.58	0.55	0.71	0.62	13.45	ppb
Beryllium	9-1	0.10	0.08	0.10	0.10	10.27	ppb
Bismuth	209-1				91		%
Bismuth	209-2				94		%
Boron	10-1	27.49	24.47	22.88	24.95	9.39	ppb
Boron	11-1	24.12	22.08	20.94	22.38	7.19	ppb
Cadmium	111-1	0.14	0.17	0.20	0.17	16.46	ppb
Cadmium	106-1	0.70	1.10	2.02	1.27	53.01	ppb
Cadmium	108-1	0.44	0.02	0.30	0.25	83.50	ppb
Calcium	43-1	490278.95	487916.17	527087.54	501760.89	4.38	ppb
Calcium	44-1	488729.88	487615.76	529864.56	502070.06	4.80	ppb
Chromium	52-2	8.28	8.79	8.66	8.58	3.04	ppb
Cobalt	59-2	11.46	12.25	11.80	11.84	3.34	ppb
Copper	63-2	2.88	2.96	3.04	2.96	2.70	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				97		%
Holmium	165-2				102		%
Indium	115-1				97		%
Indium	115-2				103		%
Iron	56-2	245460.45	251910.59	252661.33	250010.79	1.58	ppb
Iron	57-2	246132.56	252185.27	251895.05	250070.96	1.37	ppb
Krypton	83-1						cps
Lead	206-1	2.40	2.69	2.41	2.50	6.59	ppb
Lead	207-1	2.51	2.40	2.26	2.39	5.18	ppb
Lead	208-1	2.48	2.40	2.25	2.38	4.75	ppb
Lithium	6-1				98		%
Magnesium	24-2	489235.44	508507.31	498752.25	498831.67	1.93	ppb

LB Number :	LB100404	Operator :	Jaswal
Lab Sample ID :	S8	Instrumnet Name :	P8
Client Sample ID :	S8	Dilution Factor :	1
Date & Time Acquired ::	2019-01-18 15:59:48	DataFile Name :	011CAL.S.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	9.96	9.06	10.30	9.77	6.59	ppb
Molybdenum	94-1	2.07	2.30	2.15	2.17	5.22	ppb
Molybdenum	95-1	2.47	2.60	2.95	2.67	9.21	ppb
Molybdenum	96-1	2.82	2.60	2.99	2.80	6.88	ppb
Molybdenum	97-1	2.47	2.23	2.29	2.33	5.42	ppb
Molybdenum	98-1	2.39	2.41	2.62	2.47	5.05	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	13.31	13.40	13.99	13.57	2.69	ppb
Phosphorus	31-2	-44.85	-44.54	16.37	-24.34		ppb
Potassium	39-2	248666.33	254340.63	248199.59	250402.18	1.37	ppb
Rhodium	103-1				90		%
Rhodium	103-2				96		%
Scandium	45-1				99		%
Scandium	45-2				107		%
Selenium	77-2	-2.50	-2.50	-2.50	-2.50		ppb
Selenium	78-2	1.73	2.37	-0.01	1.36	90.22	ppb
Selenium	82-1	1.03	2.00	2.02	1.68	33.39	ppb
Silicon	28-1	33.95	34.76	44.79	37.83	15.96	ppb
Silver	109-1	0.26	0.26	0.29	0.27	6.80	ppb
Silver	107-1	0.27	0.27	0.29	0.28	3.52	ppb
Sodium	23-2	495112.52	508298.71	499124.42	500845.22	1.35	ppb
Strontium	86-1	4.17	4.37	4.75	4.43	6.70	ppb
Strontium	88-1	4.44	4.38	4.65	4.49	3.22	ppb
Sulfur	34-1	-4996.68	-4991.65	-2982.13	-4323.49		ppb
Terbium	159-1				95		%
Terbium	159-2				102		%
Thallium	203-1	0.13	0.12	0.21	0.15	33.67	ppb
Thallium	205-1	0.16	0.15	0.12	0.14	16.40	ppb
Tin	118-1	0.90	0.90	1.07	0.96	10.34	ppb
Titanium	47-1	0.91	1.02	1.28	1.07	17.61	ppb
Uranium	238-1	0.03	0.02	0.04	0.03	22.05	ppb
Vanadium	51-2	0.14	0.19	0.19	0.17	18.19	ppb
Yttrium	89-1				97		%
Yttrium	89-2				105		%
Zinc	66-2	20.12	19.07	20.20	19.79	3.18	ppb

LB Number :	LB100404	Operator :	Jaswal
Lab Sample ID :	S8	Instrumnet Name :	P8
Client Sample ID :	S8	Dilution Factor :	1
Date & Time Acquired ::	2019-01-18 15:59:48	DataFile Name :	011CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	90-1	0.27	0.19	0.25	0.24	16.98	ppb
Zirconium	91-1	0.19	0.22	0.17	0.19	12.81	ppb

LB Number :	LB100404	Operator :	Jaswal
Lab Sample ID :	ICV01	Instrumnet Name :	P8
Client Sample ID :	ICV01	Dilution Factor :	1
Date & Time Acquired ::	2019-01-18 16:03:50	DataFile Name :	012ICV01.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	481.49	497.15	479.46	486.03	1.99	ppb
Antimony	121-1	205.05	195.98	194.64	198.56	2.85	ppb
Arsenic	75-2	199.45	202.14	203.29	201.63	0.98	ppb
Barium	135-1	105.43	101.16	99.77	102.12	2.89	ppb
Barium	137-1	104.39	99.90	99.80	101.36	2.59	ppb
Beryllium	9-1	102.44	97.80	98.58	99.61	2.50	ppb
Bismuth	209-1				99		%
Bismuth	209-2				102		%
Boron	10-1	9.42	9.53	8.25	9.07	7.82	ppb
Boron	11-1	9.88	9.63	9.06	9.52	4.41	ppb
Cadmium	111-1	107.10	99.84	100.51	102.48	3.92	ppb
Cadmium	106-1	90.22	84.41	85.53	86.72	3.55	ppb
Cadmium	108-1	96.64	88.79	97.58	94.34	5.12	ppb
Calcium	43-1	1986.24	1869.11	1857.82	1904.39	3.73	ppb
Calcium	44-1	2037.66	1914.50	1920.72	1957.63	3.54	ppb
Chromium	52-2	103.74	101.17	102.35	102.42	1.26	ppb
Cobalt	59-2	104.71	104.75	103.92	104.46	0.45	ppb
Copper	63-2	107.25	106.38	105.97	106.53	0.61	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				98		%
Holmium	165-2				104		%
Indium	115-1				100		%
Indium	115-2				105		%
Iron	56-2	1066.90	1049.38	1047.59	1054.62	1.01	ppb
Iron	57-2	1015.63	1077.90	1048.03	1047.19	2.97	ppb
Krypton	83-1						cps
Lead	206-1	212.42	201.15	203.34	205.64	2.91	ppb
Lead	207-1	205.63	195.59	196.45	199.22	2.79	ppb
Lead	208-1	205.87	194.49	196.81	199.06	3.02	ppb
Lithium	6-1				103		%
Magnesium	24-2	1257.29	1230.40	1242.89	1243.53	1.08	ppb

LB Number :	LB100404	Operator :	Jaswal
Lab Sample ID :	ICV01	Instrumnet Name :	P8
Client Sample ID :	ICV01	Dilution Factor :	1
Date & Time Acquired ::	2019-01-18 16:03:50	DataFile Name :	012ICV01.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	103.22	101.65	102.25	102.37	0.77	ppb
Molybdenum	94-1	0.18	0.08	0.12	0.13	39.27	ppb
Molybdenum	95-1	0.10	0.11	0.12	0.11	10.08	ppb
Molybdenum	96-1	0.15	0.11	0.14	0.13	15.64	ppb
Molybdenum	97-1	0.13	0.10	0.08	0.10	24.67	ppb
Molybdenum	98-1	0.06	0.06	0.07	0.06	10.68	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	106.81	108.59	107.90	107.77	0.83	ppb
Phosphorus	31-2	-19.64	-44.39	-7.78	-23.94		ppb
Potassium	39-2	2219.22	2121.83	2119.51	2153.52	2.64	ppb
Rhodium	103-1				100		%
Rhodium	103-2				105		%
Scandium	45-1				102		%
Scandium	45-2				105		%
Selenium	77-2	266.10	176.79	234.09	225.66	20.05	ppb
Selenium	78-2	224.60	211.52	208.63	214.92	3.96	ppb
Selenium	82-1	211.34	199.74	201.02	204.03	3.12	ppb
Silicon	28-1	7.09	1.22	2.89	3.73	81.02	ppb
Silver	109-1	105.67	101.01	100.48	102.39	2.79	ppb
Silver	107-1	106.59	100.92	101.57	103.03	3.01	ppb
Sodium	23-2	2232.71	2241.78	2191.20	2221.90	1.21	ppb
Strontium	86-1	2.20	2.31	2.45	2.32	5.33	ppb
Strontium	88-1	2.49	2.28	2.32	2.36	4.74	ppb
Sulfur	34-1	-4234.55	-6000.60	-5782.21	-5339.12		ppb
Terbium	159-1				98		%
Terbium	159-2				103		%
Thallium	203-1	210.08	199.95	203.69	204.57	2.51	ppb
Thallium	205-1	213.78	204.64	205.75	208.06	2.40	ppb
Tin	118-1	0.11	0.12	0.07	0.10	29.05	ppb
Titanium	47-1	0.09	0.07	0.11	0.09	26.35	ppb
Uranium	238-1	0.00	0.00	0.00	0.00	542.88	ppb
Vanadium	51-2	103.03	102.94	102.01	102.66	0.55	ppb
Yttrium	89-1				101		%
Yttrium	89-2				105		%
Zinc	66-2	211.04	211.75	211.84	211.54	0.21	ppb

LB Number :	LB100404	Operator :	Jaswal
Lab Sample ID :	ICV01	Instrumnet Name :	P8
Client Sample ID :	ICV01	Dilution Factor :	1
Date & Time Acquired ::	2019-01-18 16:03:50	DataFile Name :	012ICV01.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	90-1	0.03	0.04	0.03	0.03	14.50	ppb
Zirconium	91-1	0.10	0.09	0.06	0.08	27.20	ppb

LB Number :	LB100404	Operator :	Jaswal
Lab Sample ID :	LLICV01	Instrumnet Name :	P8
Client Sample ID :	LLICV01	Dilution Factor :	1
Date & Time Acquired ::	2019-01-18 16:08:19	DataFile Name :	013LLIC.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	21.43	20.08	27.95	23.15	18.16	ppb
Antimony	121-1	2.01	2.11	2.04	2.06	2.53	ppb
Arsenic	75-2	0.93	1.02	1.11	1.02	8.80	ppb
Barium	135-1	9.58	9.45	9.54	9.52	0.70	ppb
Barium	137-1	10.06	9.63	9.45	9.71	3.23	ppb
Beryllium	9-1	1.01	1.07	0.95	1.01	5.66	ppb
Bismuth	209-1				97		%
Bismuth	209-2				99		%
Boron	10-1	30.43	28.06	30.56	29.68	4.74	ppb
Boron	11-1	27.93	27.89	29.54	28.46	3.31	ppb
Cadmium	111-1	0.93	0.86	0.99	0.92	7.10	ppb
Cadmium	106-1	0.55	0.55	0.29	0.46	32.84	ppb
Cadmium	108-1	0.85	1.32	1.09	1.09	21.84	ppb
Calcium	43-1	444.51	437.12	430.17	437.27	1.64	ppb
Calcium	44-1	477.74	473.62	484.35	478.57	1.13	ppb
Chromium	52-2	1.75	1.96	2.43	2.05	16.84	ppb
Cobalt	59-2	0.95	0.93	1.01	0.96	4.63	ppb
Copper	63-2	2.15	1.91	2.24	2.10	8.05	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				97		%
Holmium	165-2				100		%
Indium	115-1				99		%
Indium	115-2				102		%
Iron	56-2	52.50	49.60	56.59	52.90	6.64	ppb
Iron	57-2	57.85	42.23	55.37	51.82	16.20	ppb
Krypton	83-1						cps
Lead	206-1	1.04	1.03	1.11	1.06	4.39	ppb
Lead	207-1	1.00	1.07	0.93	1.00	7.15	ppb
Lead	208-1	1.02	1.02	1.02	1.02	0.36	ppb
Lithium	6-1				100		%
Magnesium	24-2	500.03	489.18	525.67	504.96	3.71	ppb

LB Number :	LB100404	Operator :	Jaswal
Lab Sample ID :	LLICV01	Instrumnet Name :	P8
Client Sample ID :	LLICV01	Dilution Factor :	1
Date & Time Acquired ::	2019-01-18 16:08:19	DataFile Name :	013LLIC.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	1.00	0.90	0.94	0.95	4.92	ppb
Molybdenum	94-1	4.94	4.61	4.70	4.75	3.58	ppb
Molybdenum	95-1	4.80	4.61	4.76	4.72	2.14	ppb
Molybdenum	96-1	4.89	4.80	4.83	4.84	1.00	ppb
Molybdenum	97-1	4.92	5.00	4.90	4.94	1.04	ppb
Molybdenum	98-1	4.84	4.81	4.83	4.83	0.31	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	1.04	0.75	0.92	0.90	15.88	ppb
Phosphorus	31-2	4.50	40.76	12.88	19.38	97.95	ppb
Potassium	39-2	499.84	489.23	564.54	517.87	7.87	ppb
Rhodium	103-1				99		%
Rhodium	103-2				101		%
Scandium	45-1				100		%
Scandium	45-2				102		%
Selenium	77-2	8.31	12.07	9.89	10.09	18.70	ppb
Selenium	78-2	7.02	4.73	5.44	5.73	20.44	ppb
Selenium	82-1	6.43	4.96	5.35	5.58	13.62	ppb
Silicon	28-1	8.33	7.87	16.93	11.04	46.20	ppb
Silver	109-1	0.94	1.05	1.03	1.01	5.89	ppb
Silver	107-1	0.99	1.02	1.07	1.03	3.73	ppb
Sodium	23-2	576.35	560.99	654.22	597.19	8.37	ppb
Strontium	86-1	0.81	0.74	1.11	0.89	21.83	ppb
Strontium	88-1	0.98	0.86	0.97	0.94	6.94	ppb
Sulfur	34-1	-4745.35	-5237.24	-2949.99	-4310.86		ppb
Terbium	159-1				97		%
Terbium	159-2				100		%
Thallium	203-1	0.90	0.93	0.98	0.94	4.60	ppb
Thallium	205-1	0.94	0.89	0.86	0.90	4.83	ppb
Tin	118-1	4.84	4.76	4.89	4.83	1.31	ppb
Titanium	47-1	4.97	4.64	5.15	4.92	5.28	ppb
Uranium	238-1	0.84	0.86	0.96	0.89	6.87	ppb
Vanadium	51-2	4.82	5.25	5.22	5.10	4.73	ppb
Yttrium	89-1				99		%
Yttrium	89-2				102		%
Zinc	66-2	2.36	2.49	2.59	2.48	4.74	ppb

LB Number :	LB100404	Operator :	Jaswal
Lab Sample ID :	LLICV01	Instrumnet Name :	P8
Client Sample ID :	LLICV01	Dilution Factor :	1
Date & Time Acquired ::	2019-01-18 16:08:19	DataFile Name :	013LLIC.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	90-1	0.91	0.88	0.91	0.90	1.92	ppb
Zirconium	91-1	0.98	0.89	0.98	0.95	5.20	ppb

LB Number : LB100404 Operator : Jaswal
 Lab Sample ID : ICB01 Instrumnet Name : P8
 Client Sample ID : ICB01 Dilution Factor : 1
 Date & Time Acquired :: 2019-01-18 16:13:49 DataFile Name : 014CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	-0.26	-1.25	0.13	-0.46		ppb
Antimony	121-1	0.05	0.06	0.05	0.05	19.70	ppb
Arsenic	75-2	-0.01	0.04	0.00	0.01	266.82	ppb
Barium	135-1	-0.02	-0.01	-0.01	-0.01		ppb
Barium	137-1	0.00	0.03	0.00	0.01	175.97	ppb
Beryllium	9-1	0.02	0.02	0.03	0.02	23.21	ppb
Bismuth	209-1				99		%
Bismuth	209-2				100		%
Boron	10-1	3.40	3.44	2.84	3.23	10.33	ppb
Boron	11-1	3.65	3.28	3.63	3.52	5.85	ppb
Cadmium	111-1	0.00	0.02	0.15	0.06	137.38	ppb
Cadmium	106-1	0.06	0.29	1.86	0.74	132.98	ppb
Cadmium	108-1	-0.04	-0.04	-0.04	-0.04		ppb
Calcium	43-1	-1.03	3.83	-5.14	-0.78		ppb
Calcium	44-1	15.96	27.63	22.85	22.14	26.50	ppb
Chromium	52-2	0.11	-0.02	-0.04	0.02	509.52	ppb
Cobalt	59-2	0.02	0.00	0.01	0.01	95.47	ppb
Copper	63-2	0.05	0.02	0.00	0.02	100.04	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				99		%
Holmium	165-2				101		%
Indium	115-1				100		%
Indium	115-2				103		%
Iron	56-2	-0.09	-0.23	-0.23	-0.18		ppb
Iron	57-2	2.67	-0.04	-2.78	-0.05		ppb
Krypton	83-1						cps
Lead	206-1	0.08	0.08	0.07	0.08	6.77	ppb
Lead	207-1	0.02	0.08	0.07	0.05	62.55	ppb
Lead	208-1	0.04	0.06	0.05	0.05	25.96	ppb
Lithium	6-1				100		%
Magnesium	24-2	-1.01	-1.87	-1.59	-1.49		ppb

LB Number :	LB100404	Operator :	Jaswal
Lab Sample ID :	ICB01	Instrumnet Name :	P8
Client Sample ID :	ICB01	Dilution Factor :	1
Date & Time Acquired ::	2019-01-18 16:13:49	DataFile Name :	014CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	0.07	-0.05	-0.16	-0.05		ppb
Molybdenum	94-1	0.01	0.02	0.02	0.02	46.96	ppb
Molybdenum	95-1	0.02	0.00	-0.01	0.01	282.51	ppb
Molybdenum	96-1	0.05	0.01	0.02	0.02	87.04	ppb
Molybdenum	97-1	0.03	-0.02	0.04	0.01	215.14	ppb
Molybdenum	98-1	0.02	0.03	0.02	0.03	17.03	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.01	-0.05	0.06	0.01	574.20	ppb
Phosphorus	31-2	-31.99	-20.16	18.41	-11.25		ppb
Potassium	39-2	8.66	18.99	23.09	16.91	43.98	ppb
Rhodium	103-1				101		%
Rhodium	103-2				102		%
Scandium	45-1				103		%
Scandium	45-2				105		%
Selenium	77-2	12.48	4.99	1.24	6.23	91.75	ppb
Selenium	78-2	0.00	0.60	0.00	0.20	176.87	ppb
Selenium	82-1	1.43	1.11	-0.04	0.83	92.83	ppb
Silicon	28-1	-5.62	-0.38	-1.85	-2.62		ppb
Silver	109-1	0.05	0.03	0.04	0.04	23.52	ppb
Silver	107-1	0.02	0.03	0.02	0.02	15.03	ppb
Sodium	23-2	79.63	70.14	86.22	78.66	10.27	ppb
Strontium	86-1	-0.03	0.07	0.05	0.03	160.55	ppb
Strontium	88-1	0.00	0.00	0.00	0.00	90.76	ppb
Sulfur	34-1	-5030.56	-3681.19	-3801.88	-4171.21		ppb
Terbium	159-1				99		%
Terbium	159-2				101		%
Thallium	203-1	-0.01	-0.01	-0.01	-0.01		ppb
Thallium	205-1	-0.01	0.00	0.00	0.00		ppb
Tin	118-1	0.01	0.00	0.04	0.01	128.39	ppb
Titanium	47-1	0.06	0.11	0.08	0.08	27.53	ppb
Uranium	238-1	0.00	0.00	0.00	0.00		ppb
Vanadium	51-2	0.00	-0.02	0.02	0.00	3258.86	ppb
Yttrium	89-1				101		%
Yttrium	89-2				102		%
Zinc	66-2	0.04	0.01	0.07	0.04	63.14	ppb

LB Number :	LB100404	Operator :	Jaswal
Lab Sample ID :	ICB01	Instrumnet Name :	P8
Client Sample ID :	ICB01	Dilution Factor :	1
Date & Time Acquired ::	2019-01-18 16:13:49	DataFile Name :	014CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	90-1	0.01	0.00	0.02	0.01	99.11	ppb
Zirconium	91-1	-0.04	-0.01	-0.01	-0.02		ppb

LB Number :	LB100404	Operator :	Jaswal
Lab Sample ID :	ICSA01	Instrumnet Name :	P8
Client Sample ID :	ICSA01	Dilution Factor :	1
Date & Time Acquired ::	2019-01-18 16:17:24	DataFile Name :	015ICSA01.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	87859.53	91674.84	90688.24	90074.20	2.20	ppb
Antimony	121-1	1.08	1.22	1.26	1.19	7.76	ppb
Arsenic	75-2	0.38	0.30	0.32	0.33	12.57	ppb
Barium	135-1	1.27	1.68	1.69	1.55	15.44	ppb
Barium	137-1	1.51	1.51	1.42	1.48	3.59	ppb
Beryllium	9-1	0.33	0.30	0.27	0.30	9.86	ppb
Bismuth	209-1				98		%
Bismuth	209-2				99		%
Boron	10-1	3.39	3.94	3.72	3.68	7.62	ppb
Boron	11-1	4.56	3.73	3.59	3.96	13.24	ppb
Cadmium	111-1	0.40	0.45	0.54	0.46	15.78	ppb
Cadmium	106-1	0.21	0.22	0.75	0.39	78.62	ppb
Cadmium	108-1	11.59	9.37	11.68	10.88	12.03	ppb
Calcium	43-1	94221.81	93440.75	93506.17	93722.91	0.46	ppb
Calcium	44-1	92304.36	92955.07	90817.18	92025.53	1.19	ppb
Chromium	52-2	22.33	23.61	22.76	22.90	2.84	ppb
Cobalt	59-2	1.09	1.23	1.17	1.16	6.05	ppb
Copper	63-2	8.88	9.39	9.16	9.14	2.80	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				101		%
Holmium	165-2				104		%
Indium	115-1				97		%
Indium	115-2				101		%
Iron	56-2	98326.61	102943.35	100529.99	100599.99	2.30	ppb
Iron	57-2	100744.98	103142.68	100955.73	101614.46	1.31	ppb
Krypton	83-1						cps
Lead	206-1	5.05	5.08	4.96	5.03	1.29	ppb
Lead	207-1	4.47	4.06	4.41	4.31	5.18	ppb
Lead	208-1	4.56	4.46	4.49	4.50	1.12	ppb
Lithium	6-1				100		%
Magnesium	24-2	98964.64	105492.80	103389.48	102615.64	3.25	ppb

LB Number :	LB100404	Operator :	Jaswal
Lab Sample ID :	ICSA01	Instrumnet Name :	P8
Client Sample ID :	ICSA01	Dilution Factor :	1
Date & Time Acquired ::	2019-01-18 16:17:24	DataFile Name :	015ICSA01.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	6.97	7.57	7.51	7.35	4.49	ppb
Molybdenum	94-1	1358.29	1394.07	1382.58	1378.31	1.33	ppb
Molybdenum	95-1	1903.03	1972.06	1955.71	1943.60	1.86	ppb
Molybdenum	96-1	1842.02	1874.37	1863.38	1859.92	0.88	ppb
Molybdenum	97-1	1933.84	1981.23	1953.67	1956.25	1.22	ppb
Molybdenum	98-1	1909.45	1949.98	1946.20	1935.21	1.16	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	5.16	5.80	5.36	5.44	6.05	ppb
Phosphorus	31-2	99206.64	104779.24	100809.75	101598.54	2.82	ppb
Potassium	39-2	99497.66	102687.68	100819.45	101001.59	1.59	ppb
Rhodium	103-1				95		%
Rhodium	103-2				99		%
Scandium	45-1				102		%
Scandium	45-2				101		%
Selenium	77-2	-2.50	9.12	-2.50	1.37	489.86	ppb
Selenium	78-2	1.81	0.02	-0.61	0.40	311.19	ppb
Selenium	82-1	0.49	0.58	0.63	0.57	12.66	ppb
Silicon	28-1	34.97	41.41	38.18	38.19	8.44	ppb
Silver	109-1	0.61	0.61	0.66	0.62	4.68	ppb
Silver	107-1	0.64	0.61	0.61	0.62	2.63	ppb
Sodium	23-2	98292.48	101015.43	100955.35	100087.76	1.55	ppb
Strontium	86-1	32.87	34.47	33.48	33.61	2.42	ppb
Strontium	88-1	33.97	33.76	33.79	33.84	0.33	ppb
Sulfur	34-1	97528.13	96463.93	93008.69	95666.92	2.47	ppb
Terbium	159-1				101		%
Terbium	159-2				103		%
Thallium	203-1	0.03	0.00	-0.03	0.00		ppb
Thallium	205-1	0.01	0.01	0.00	0.00	271.68	ppb
Tin	118-1	0.17	0.14	0.17	0.16	11.58	ppb
Titanium	47-1	2007.47	2035.88	1977.11	2006.82	1.46	ppb
Uranium	238-1	0.02	0.02	0.02	0.02	6.44	ppb
Vanadium	51-2	0.11	0.16	0.13	0.14	18.46	ppb
Yttrium	89-1				99		%
Yttrium	89-2				102		%
Zinc	66-2	12.04	12.78	12.46	12.43	3.00	ppb

LB Number :	LB100404	Operator :	Jaswal
Lab Sample ID :	ICSA01	Instrumnet Name :	P8
Client Sample ID :	ICSA01	Dilution Factor :	1
Date & Time Acquired ::	2019-01-18 16:17:24	DataFile Name :	015ICSA01.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	90-1	0.04	0.03	0.03	0.03	23.54	ppb
Zirconium	91-1	0.04	0.03	0.02	0.03	30.80	ppb

LB Number :	LB100404	Operator :	Jaswal
Lab Sample ID :	ICSAB01	Instrumnet Name :	P8
Client Sample ID :	ICSAB01	Dilution Factor :	1
Date & Time Acquired ::	2019-01-18 16:20:53	DataFile Name :	016ICSB.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	89540.42	87878.54	89286.61	88901.86	1.01	ppb
Antimony	121-1	21.20	21.12	19.58	20.63	4.43	ppb
Arsenic	75-2	19.04	20.49	19.95	19.83	3.71	ppb
Barium	135-1	21.08	20.41	21.15	20.88	1.96	ppb
Barium	137-1	22.30	21.29	20.17	21.25	5.02	ppb
Beryllium	9-1	21.43	21.07	20.66	21.05	1.83	ppb
Bismuth	209-1				99		%
Bismuth	209-2				97		%
Boron	10-1	65.02	65.36	57.88	62.75	6.73	ppb
Boron	11-1	61.67	61.40	60.46	61.18	1.04	ppb
Cadmium	111-1	20.46	20.39	19.67	20.17	2.18	ppb
Cadmium	106-1	19.33	24.86	25.32	23.17	14.39	ppb
Cadmium	108-1	30.39	31.50	32.36	31.42	3.14	ppb
Calcium	43-1	94586.42	94972.78	91978.04	93845.75	1.74	ppb
Calcium	44-1	93505.61	94196.50	90724.38	92808.83	1.98	ppb
Chromium	52-2	42.74	41.01	41.34	41.70	2.20	ppb
Cobalt	59-2	21.51	21.42	21.05	21.33	1.14	ppb
Copper	63-2	29.84	29.46	30.01	29.77	0.95	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				103		%
Holmium	165-2				102		%
Indium	115-1				101		%
Indium	115-2				99		%
Iron	56-2	99874.81	98027.94	100229.26	99377.33	1.19	ppb
Iron	57-2	100849.81	98418.71	99748.20	99672.24	1.22	ppb
Krypton	83-1						cps
Lead	206-1	25.82	25.93	25.69	25.81	0.47	ppb
Lead	207-1	24.30	24.48	23.50	24.09	2.16	ppb
Lead	208-1	24.68	24.40	23.68	24.26	2.11	ppb
Lithium	6-1				101		%
Magnesium	24-2	102459.31	102035.30	101871.23	102121.95	0.30	ppb

LB Number :	LB100404	Operator :	Jaswal
Lab Sample ID :	ICSAB01	Instrumnet Name :	P8
Client Sample ID :	ICSAB01	Dilution Factor :	1
Date & Time Acquired ::	2019-01-18 16:20:53	DataFile Name :	016ICSB.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	28.33	27.06	28.34	27.91	2.64	ppb
Molybdenum	94-1	1544.00	1545.43	1498.28	1529.24	1.75	ppb
Molybdenum	95-1	2088.87	2080.64	1985.30	2051.60	2.81	ppb
Molybdenum	96-1	2018.67	1980.25	1931.54	1976.82	2.21	ppb
Molybdenum	97-1	2067.73	2062.70	2000.59	2043.67	1.83	ppb
Molybdenum	98-1	2076.14	2040.88	2009.46	2042.16	1.63	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	26.07	25.76	25.17	25.67	1.78	ppb
Phosphorus	31-2	101736.28	96806.68	101267.47	99936.81	2.72	ppb
Potassium	39-2	100307.28	98683.67	100258.40	99749.78	0.93	ppb
Rhodium	103-1				97		%
Rhodium	103-2				97		%
Scandium	45-1				101		%
Scandium	45-2				102		%
Selenium	77-2	12.67	12.92	40.26	21.95	72.23	ppb
Selenium	78-2	24.73	20.74	19.01	21.49	13.63	ppb
Selenium	82-1	21.85	20.94	18.96	20.59	7.17	ppb
Silicon	28-1	93.03	93.88	85.66	90.86	4.98	ppb
Silver	109-1	19.35	19.50	18.36	19.07	3.24	ppb
Silver	107-1	19.54	19.44	18.22	19.07	3.85	ppb
Sodium	23-2	100108.86	99140.89	99237.12	99495.62	0.54	ppb
Strontium	86-1	90.97	88.75	85.22	88.31	3.29	ppb
Strontium	88-1	91.86	89.94	87.89	89.90	2.21	ppb
Sulfur	34-1	94184.10	96857.79	91885.18	94309.02	2.64	ppb
Terbium	159-1				102		%
Terbium	159-2				100		%
Thallium	203-1	20.39	20.24	20.22	20.29	0.46	ppb
Thallium	205-1	21.03	21.46	20.69	21.06	1.85	ppb
Tin	118-1	53.32	53.13	50.32	52.26	3.21	ppb
Titanium	47-1	2130.49	2106.92	2019.57	2085.66	2.80	ppb
Uranium	238-1	56.66	55.73	54.25	55.55	2.18	ppb
Vanadium	51-2	19.88	19.80	20.09	19.92	0.74	ppb
Yttrium	89-1				100		%
Yttrium	89-2				100		%
Zinc	66-2	32.13	31.53	31.71	31.79	0.98	ppb

LB Number :	LB100404	Operator :	Jaswal
Lab Sample ID :	ICSAB01	Instrumnet Name :	P8
Client Sample ID :	ICSAB01	Dilution Factor :	1
Date & Time Acquired ::	2019-01-18 16:20:53	DataFile Name :	016ICSB.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	90-1	57.22	56.30	55.15	56.23	1.85	ppb
Zirconium	91-1	55.68	56.48	54.01	55.39	2.28	ppb

LB Number :	LB100404	Operator :	Jaswal
Lab Sample ID :	CCV47	Instrumnet Name :	P8
Client Sample ID :	CCV47	Dilution Factor :	1
Date & Time Acquired ::	2019-01-18 16:24:31	DataFile Name :	017CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	50496.76	50883.75	52739.97	51373.49	2.33	ppb
Antimony	121-1	520.47	537.28	512.56	523.44	2.41	ppb
Arsenic	75-2	510.15	511.48	515.04	512.22	0.49	ppb
Barium	135-1	2583.01	2702.08	2557.16	2614.09	2.96	ppb
Barium	137-1	2581.38	2689.24	2599.03	2623.22	2.21	ppb
Beryllium	9-1	535.59	556.45	544.66	545.57	1.92	ppb
Bismuth	209-1				97		%
Bismuth	209-2				96		%
Boron	10-1	528.16	568.05	552.25	549.49	3.66	ppb
Boron	11-1	525.96	559.53	554.75	546.75	3.32	ppb
Cadmium	111-1	504.76	516.67	499.88	507.10	1.70	ppb
Cadmium	106-1	504.17	511.83	489.60	501.87	2.25	ppb
Cadmium	108-1	494.29	528.07	500.87	507.74	3.53	ppb
Calcium	43-1	233646.31	245338.75	240703.39	239896.15	2.45	ppb
Calcium	44-1	232701.21	242823.20	237506.88	237677.10	2.13	ppb
Chromium	52-2	507.26	512.56	525.68	515.16	1.84	ppb
Cobalt	59-2	492.67	491.62	505.77	496.69	1.59	ppb
Copper	63-2	968.05	969.62	1003.82	980.49	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				101		%
Holmium	165-2				102		%
Indium	115-1				97		%
Indium	115-2				97		%
Iron	56-2	120486.20	121091.29	125367.21	122314.90	2.18	ppb
Iron	57-2	120864.32	121994.96	125490.17	122783.15	1.96	ppb
Krypton	83-1						cps
Lead	206-1	511.02	546.67	522.47	526.72	3.46	ppb
Lead	207-1	516.71	545.98	528.74	530.48	2.77	ppb
Lead	208-1	521.24	546.53	527.06	531.61	2.49	ppb
Lithium	6-1				97		%
Magnesium	24-2	245400.05	245549.98	253673.04	248207.69	1.91	ppb

LB Number :	LB100404	Operator :	Jaswal
Lab Sample ID :	CCV47	Instrumnet Name :	P8
Client Sample ID :	CCV47	Dilution Factor :	1
Date & Time Acquired ::	2019-01-18 16:24:31	DataFile Name :	017CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	1001.74	1006.85	1044.78	1017.79	2.31	ppb
Molybdenum	94-1	2558.22	2717.13	2600.19	2625.18	3.14	ppb
Molybdenum	95-1	2578.98	2669.93	2592.62	2613.85	1.88	ppb
Molybdenum	96-1	2538.29	2681.19	2565.45	2594.98	2.92	ppb
Molybdenum	97-1	2560.55	2689.96	2597.49	2616.00	2.55	ppb
Molybdenum	98-1	2542.64	2697.88	2569.16	2603.23	3.19	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	502.74	498.00	513.65	504.80	1.59	ppb
Phosphorus	31-2	9566.77	9921.25	10398.90	9962.31	4.19	ppb
Potassium	39-2	122740.95	122390.12	126516.12	123882.40	1.85	ppb
Rhodium	103-1				95		%
Rhodium	103-2				97		%
Scandium	45-1				101		%
Scandium	45-2				107		%
Selenium	77-2	540.97	520.19	526.37	529.18	2.02	ppb
Selenium	78-2	457.79	475.58	497.24	476.87	4.14	ppb
Selenium	82-1	506.99	529.32	510.99	515.77	2.31	ppb
Silicon	28-1	485.20	505.82	495.03	495.35	2.08	ppb
Silver	109-1	505.23	519.26	504.74	509.74	1.62	ppb
Silver	107-1	507.21	519.48	499.68	508.79	1.96	ppb
Sodium	23-2	239672.15	243346.56	250563.89	244527.54	2.27	ppb
Strontium	86-1	510.27	543.38	519.92	524.52	3.25	ppb
Strontium	88-1	520.64	545.24	522.15	529.34	2.60	ppb
Sulfur	34-1	10622.36	11461.78	10316.18	10800.11	5.49	ppb
Terbium	159-1				100		%
Terbium	159-2				100		%
Thallium	203-1	504.16	543.78	520.74	522.89	3.81	ppb
Thallium	205-1	530.05	567.78	540.25	546.02	3.57	ppb
Tin	118-1	504.42	520.36	507.06	510.61	1.67	ppb
Titanium	47-1	2592.36	2715.12	2621.38	2642.95	2.43	ppb
Uranium	238-1	541.66	566.47	541.50	549.88	2.61	ppb
Vanadium	51-2	504.16	508.70	523.97	512.28	2.03	ppb
Yttrium	89-1				100		%
Yttrium	89-2				102		%
Zinc	66-2	989.64	990.03	1024.55	1001.40	2.00	ppb

LB Number :	LB100404	Operator :	Jaswal
Lab Sample ID :	CCV47	Instrumnet Name :	P8
Client Sample ID :	CCV47	Dilution Factor :	1
Date & Time Acquired ::	2019-01-18 16:24:31	DataFile Name :	017CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	90-1	512.88	547.30	525.20	528.46	3.30	ppb
Zirconium	91-1	509.34	536.16	512.87	519.46	2.81	ppb

LB Number :	LB100404	Operator :	Jaswal
Lab Sample ID :	CCB47	Instrumnet Name :	P8
Client Sample ID :	CCB47	Dilution Factor :	1
Date & Time Acquired ::	2019-01-18 16:30:21	DataFile Name :	018CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	1.36	-2.68	-0.45	-0.59		ppb
Antimony	121-1	0.14	0.16	0.18	0.16	14.54	ppb
Arsenic	75-2	0.00	0.04	0.01	0.02	120.72	ppb
Barium	135-1	0.03	0.03	0.00	0.02	81.39	ppb
Barium	137-1	0.00	0.02	0.01	0.01	108.87	ppb
Beryllium	9-1	0.05	0.07	0.03	0.05	36.14	ppb
Bismuth	209-1				99		%
Bismuth	209-2				100		%
Boron	10-1	5.39	4.82	4.59	4.93	8.37	ppb
Boron	11-1	4.79	5.04	5.28	5.04	4.88	ppb
Cadmium	111-1	-0.04	-0.02	0.07	0.00	1698.96	ppb
Cadmium	106-1	-0.55	-0.34	1.01	0.04	2023.43	ppb
Cadmium	108-1	0.02	0.02	0.03	0.02	12.93	ppb
Calcium	43-1	0.97	2.61	5.63	3.07	77.09	ppb
Calcium	44-1	30.75	27.14	35.88	31.26	14.06	ppb
Chromium	52-2	-0.16	0.22	-0.11	-0.02		ppb
Cobalt	59-2	0.02	0.01	0.00	0.01	67.61	ppb
Copper	63-2	0.09	0.06	0.06	0.07	20.88	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				98		%
Holmium	165-2				101		%
Indium	115-1				99		%
Indium	115-2				101		%
Iron	56-2	0.40	0.56	0.14	0.37	57.50	ppb
Iron	57-2	1.31	3.60	-1.97	0.98	286.33	ppb
Krypton	83-1						cps
Lead	206-1	0.22	0.16	0.15	0.18	21.38	ppb
Lead	207-1	0.15	0.17	0.13	0.15	11.68	ppb
Lead	208-1	0.15	0.16	0.15	0.15	3.57	ppb
Lithium	6-1				95		%
Magnesium	24-2	-0.41	-2.06	-0.51	-0.99		ppb

LB Number :	LB100404	Operator :	Jaswal
Lab Sample ID :	CCB47	Instrumnet Name :	P8
Client Sample ID :	CCB47	Dilution Factor :	1
Date & Time Acquired ::	2019-01-18 16:30:21	DataFile Name :	018CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	-0.11	0.00	-0.09	-0.07		ppb
Molybdenum	94-1	0.12	0.18	0.16	0.16	20.44	ppb
Molybdenum	95-1	0.11	0.11	0.10	0.11	5.54	ppb
Molybdenum	96-1	0.11	0.07	0.16	0.11	40.77	ppb
Molybdenum	97-1	0.09	0.19	0.19	0.16	35.51	ppb
Molybdenum	98-1	0.12	0.10	0.11	0.11	7.70	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.10	0.01	0.07	0.06	82.38	ppb
Phosphorus	31-2	-44.22	-44.17	-56.69	-48.36		ppb
Potassium	39-2	47.44	56.76	26.39	43.53	35.74	ppb
Rhodium	103-1				97		%
Rhodium	103-2				102		%
Scandium	45-1				99		%
Scandium	45-2				103		%
Selenium	77-2	4.95	-2.50	1.36	1.27	293.84	ppb
Selenium	78-2	-0.01	2.46	0.64	1.03	123.95	ppb
Selenium	82-1	0.13	-0.07	-0.19	-0.04		ppb
Silicon	28-1	2.38	1.58	3.81	2.59	43.64	ppb
Silver	109-1	0.07	0.04	0.07	0.06	26.87	ppb
Silver	107-1	0.07	0.05	0.07	0.06	20.43	ppb
Sodium	23-2	111.43	96.01	101.09	102.85	7.64	ppb
Strontium	86-1	-0.04	0.17	0.09	0.07	151.13	ppb
Strontium	88-1	0.00	0.00	0.01	0.00	83.48	ppb
Sulfur	34-1	-3854.51	-3704.20	-3096.07	-3551.59		ppb
Terbium	159-1				98		%
Terbium	159-2				100		%
Thallium	203-1	-0.01	0.01	0.03	0.01	232.28	ppb
Thallium	205-1	0.03	0.03	0.02	0.03	34.13	ppb
Tin	118-1	0.02	0.03	0.03	0.03	13.21	ppb
Titanium	47-1	0.17	0.01	0.09	0.09	92.22	ppb
Uranium	238-1	0.00	0.00	0.00	0.00	86.05	ppb
Vanadium	51-2	0.01	-0.01	0.01	0.00	403.20	ppb
Yttrium	89-1				98		%
Yttrium	89-2				101		%
Zinc	66-2	0.15	0.11	0.09	0.12	26.75	ppb

LB Number :	LB100404	Operator :	Jaswal
Lab Sample ID :	CCB47	Instrumnet Name :	P8
Client Sample ID :	CCB47	Dilution Factor :	1
Date & Time Acquired ::	2019-01-18 16:30:21	DataFile Name :	018CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	90-1	0.01	0.01	0.00	0.01	38.57	ppb
Zirconium	91-1	0.00	-0.01	0.04	0.01	357.22	ppb

LB Number :	LB100404	Operator :	Jaswal
Lab Sample ID :	CRI	Instrumnet Name :	P8
Client Sample ID :	CRI	Dilution Factor :	1
Date & Time Acquired ::	2019-01-18 16:33:56	DataFile Name :	019LLCC.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	21.12	23.40	25.87	23.46	10.14	ppb
Antimony	121-1	1.92	1.89	1.77	1.86	4.38	ppb
Arsenic	75-2	0.99	0.96	1.05	1.00	4.31	ppb
Barium	135-1	9.44	9.60	8.82	9.28	4.45	ppb
Barium	137-1	9.99	10.58	9.15	9.90	7.26	ppb
Beryllium	9-1	1.03	1.12	0.98	1.04	6.75	ppb
Bismuth	209-1				102		%
Bismuth	209-2				99		%
Boron	10-1	25.59	27.22	29.11	27.31	6.45	ppb
Boron	11-1	27.54	27.31	25.44	26.76	4.30	ppb
Cadmium	111-1	0.93	0.97	0.84	0.91	7.31	ppb
Cadmium	106-1	0.17	1.20	1.42	0.93	71.69	ppb
Cadmium	108-1	0.81	1.42	0.91	1.05	31.36	ppb
Calcium	43-1	456.54	490.57	416.25	454.45	8.19	ppb
Calcium	44-1	490.88	494.50	427.49	470.96	8.00	ppb
Chromium	52-2	1.80	2.03	2.21	2.01	10.41	ppb
Cobalt	59-2	0.93	1.01	0.99	0.98	4.07	ppb
Copper	63-2	2.01	2.08	2.15	2.08	3.26	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				100		%
Holmium	165-2				100		%
Indium	115-1				102		%
Indium	115-2				101		%
Iron	56-2	51.24	55.38	54.57	53.73	4.09	ppb
Iron	57-2	55.27	44.40	56.31	51.99	12.69	ppb
Krypton	83-1						cps
Lead	206-1	1.12	1.10	1.00	1.07	5.95	ppb
Lead	207-1	1.02	1.13	0.86	1.00	13.76	ppb
Lead	208-1	1.07	1.07	0.92	1.02	8.75	ppb
Lithium	6-1				96		%
Magnesium	24-2	485.88	507.31	542.25	511.81	5.56	ppb

LB Number :	LB100404	Operator :	Jaswal
Lab Sample ID :	CRI	Instrumnet Name :	P8
Client Sample ID :	CRI	Dilution Factor :	1
Date & Time Acquired ::	2019-01-18 16:33:56	DataFile Name :	019LLCC.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	1.20	0.98	1.20	1.13	11.18	ppb
Molybdenum	94-1	5.16	4.76	4.64	4.86	5.60	ppb
Molybdenum	95-1	5.15	5.42	4.55	5.04	8.88	ppb
Molybdenum	96-1	5.05	5.20	4.60	4.95	6.30	ppb
Molybdenum	97-1	5.32	5.17	4.63	5.04	7.11	ppb
Molybdenum	98-1	4.87	4.94	4.66	4.82	2.96	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	1.02	1.00	1.11	1.04	5.79	ppb
Phosphorus	31-2	5.19	-18.61	7.29	-2.04		ppb
Potassium	39-2	520.97	488.96	518.77	509.57	3.51	ppb
Rhodium	103-1				101		%
Rhodium	103-2				101		%
Scandium	45-1				103		%
Scandium	45-2				102		%
Selenium	77-2	5.06	5.18	1.35	3.86	56.40	ppb
Selenium	78-2	4.31	6.27	1.90	4.16	52.62	ppb
Selenium	82-1	4.79	5.37	3.21	4.46	25.01	ppb
Silicon	28-1	9.89	12.24	-1.71	6.80	109.78	ppb
Silver	109-1	1.04	1.15	0.98	1.06	8.06	ppb
Silver	107-1	1.02	1.06	1.00	1.03	2.98	ppb
Sodium	23-2	561.34	572.82	580.09	571.42	1.65	ppb
Strontium	86-1	0.92	0.93	0.98	0.94	3.62	ppb
Strontium	88-1	1.01	1.03	0.91	0.98	6.57	ppb
Sulfur	34-1	-4100.96	-4116.24	-6478.21	-4898.47		ppb
Terbium	159-1				100		%
Terbium	159-2				99		%
Thallium	203-1	1.01	0.95	0.90	0.95	6.13	ppb
Thallium	205-1	0.94	1.03	0.92	0.96	6.08	ppb
Tin	118-1	4.84	5.07	4.63	4.84	4.47	ppb
Titanium	47-1	5.15	4.97	4.47	4.86	7.18	ppb
Uranium	238-1	0.94	0.88	0.87	0.89	3.98	ppb
Vanadium	51-2	5.05	5.31	5.34	5.24	3.03	ppb
Yttrium	89-1				102		%
Yttrium	89-2				100		%
Zinc	66-2	2.34	2.56	2.27	2.39	6.37	ppb

LB Number :	LB100404	Operator :	Jaswal
Lab Sample ID :	CRI	Instrumnet Name :	P8
Client Sample ID :	CRI	Dilution Factor :	1
Date & Time Acquired ::	2019-01-18 16:33:56	DataFile Name :	019LLCC.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	90-1	0.95	0.98	0.91	0.95	3.82	ppb
Zirconium	91-1	0.94	1.05	0.86	0.95	10.28	ppb

LB Number : LB100404 Operator : Jaswal
 Lab Sample ID : K1089-23DLX5 Instrumnet Name : P8
 Client Sample ID : EPA-MW-38-OB-010820 Dilution Factor : 5
 Date & Time Acquired :: 2019-01-18 16:55:38 DataFile Name : 020SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	9.54	6.47	9.35	8.45	20.36	ppb
Antimony	121-1	0.17	0.16	0.11	0.15	22.77	ppb
Arsenic	75-2	0.39	0.29	0.25	0.31	23.69	ppb
Barium	135-1	6.94	6.20	6.26	6.47	6.35	ppb
Barium	137-1	6.88	6.88	6.75	6.83	1.04	ppb
Beryllium	9-1	0.03	0.01	0.01	0.02	78.70	ppb
Bismuth	209-1				89		%
Bismuth	209-2				86		%
Boron	10-1	371.68	360.87	362.49	365.01	1.60	ppb
Boron	11-1	383.35	364.26	382.59	376.73	2.87	ppb
Cadmium	111-1	-0.07	0.09	-0.06	-0.01		ppb
Cadmium	106-1	-0.81	1.17	-0.80	-0.15		ppb
Cadmium	108-1	0.18	0.22	0.16	0.19	16.10	ppb
Calcium	43-1	10168.64	9247.41	9424.73	9613.59	5.08	ppb
Calcium	44-1	10532.92	9605.90	9688.72	9942.51	5.16	ppb
Chromium	52-2	7.25	6.83	7.83	7.30	6.88	ppb
Cobalt	59-2	0.20	0.19	0.20	0.19	1.41	ppb
Copper	63-2	5.57	5.35	5.71	5.54	3.24	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				89		%
Holmium	165-2				87		%
Indium	115-1				92		%
Indium	115-2				88		%
Iron	56-2	430.49	414.14	431.17	425.26	2.27	ppb
Iron	57-2	411.16	426.62	415.71	417.83	1.90	ppb
Krypton	83-1						cps
Lead	206-1	0.24	0.15	0.23	0.21	23.18	ppb
Lead	207-1	0.14	0.20	0.16	0.17	16.52	ppb
Lead	208-1	0.22	0.19	0.18	0.20	10.13	ppb
Lithium	6-1				75		%
Magnesium	24-2	3900.17	3776.66	3970.26	3882.36	2.52	ppb

LB Number :	LB100404	Operator :	Jaswal
Lab Sample ID :	K1089-23DLX5	Instrumnet Name :	P8
Client Sample ID :	EPA-MW-38-OB-010820	Dilution Factor :	5
Date & Time Acquired ::	2019-01-18 16:55:38	DataFile Name :	020SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	411.08	401.00	419.64	410.57	2.27	ppb
Molybdenum	94-1	1.58	1.25	1.26	1.37	13.65	ppb
Molybdenum	95-1	1.93	1.49	1.55	1.66	14.46	ppb
Molybdenum	96-1	1.67	1.57	1.48	1.57	5.97	ppb
Molybdenum	97-1	1.59	1.87	1.58	1.68	9.87	ppb
Molybdenum	98-1	1.56	1.66	1.49	1.57	5.39	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.68	0.48	0.64	0.60	17.32	ppb
Phosphorus	31-2	14.69	55.55	3.92	24.72	110.20	ppb
Potassium	39-2	964.06	935.76	950.96	950.26	1.49	ppb
Rhodium	103-1				88		%
Rhodium	103-2				89		%
Scandium	45-1				88		%
Scandium	45-2				89		%
Selenium	77-2	-2.50	10.38	-2.50	1.79	415.20	ppb
Selenium	78-2	1.49	0.78	0.14	0.81	83.70	ppb
Selenium	82-1	1.11	-1.15	-1.12	-0.38		ppb
Silicon	28-1	3956.39	3541.27	3570.04	3689.23	6.28	ppb
Silver	109-1	1.76	1.58	1.47	1.60	9.12	ppb
Silver	107-1	1.81	1.61	1.43	1.62	11.83	ppb
Sodium	23-2	82530.71	79699.81	83247.48	81826.00	2.29	ppb
Strontium	86-1	128.59	115.77	116.94	120.43	5.88	ppb
Strontium	88-1	128.32	119.48	119.62	122.47	4.13	ppb
Sulfur	34-1	-980.55	-4817.93	-4975.85	-3591.44		ppb
Terbium	159-1				90		%
Terbium	159-2				87		%
Thallium	203-1	-0.02	-0.05	-0.04	-0.04		ppb
Thallium	205-1	-0.01	-0.01	-0.02	-0.01		ppb
Tin	118-1	0.11	0.17	0.15	0.14	18.60	ppb
Titanium	47-1	0.69	0.51	0.56	0.59	15.23	ppb
Uranium	238-1	0.20	0.21	0.19	0.20	5.44	ppb
Vanadium	51-2	0.35	0.29	0.41	0.35	17.53	ppb
Yttrium	89-1				89		%
Yttrium	89-2				87		%
Zinc	66-2	3.09	2.98	3.32	3.13	5.52	ppb

LB Number :	LB100404	Operator :	Jaswal
Lab Sample ID :	K1089-23DLX5	Instrumnet Name :	P8
Client Sample ID :	EPA-MW-38-OB-010820	Dilution Factor :	5
Date & Time Acquired ::	2019-01-18 16:55:38	DataFile Name :	020SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	90-1	0.13	0.16	0.13	0.14	9.85	ppb
Zirconium	91-1	0.11	0.07	0.14	0.10	36.07	ppb

LB Number :	LB100404	Operator :	Jaswal
Lab Sample ID :	CCV48	Instrumnet Name :	P8
Client Sample ID :	CCV48	Dilution Factor :	1
Date & Time Acquired ::	2019-01-18 16:59:12	DataFile Name :	021CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	51936.54	50271.48	52999.43	51735.82	2.66	ppb
Antimony	121-1	521.82	496.25	528.08	515.38	3.27	ppb
Arsenic	75-2	516.38	517.66	522.91	518.98	0.67	ppb
Barium	135-1	2555.71	2461.68	2667.11	2561.50	4.01	ppb
Barium	137-1	2556.18	2469.79	2642.63	2556.20	3.38	ppb
Beryllium	9-1	557.99	561.30	590.63	569.97	3.15	ppb
Bismuth	209-1				95		%
Bismuth	209-2				89		%
Boron	10-1	553.29	584.48	611.97	583.25	5.03	ppb
Boron	11-1	554.01	569.05	603.72	575.59	4.43	ppb
Cadmium	111-1	495.55	488.48	525.29	503.10	3.88	ppb
Cadmium	106-1	499.08	482.26	515.89	499.08	3.37	ppb
Cadmium	108-1	506.54	478.24	520.86	501.88	4.32	ppb
Calcium	43-1	231574.12	226320.72	245893.59	234596.14	4.32	ppb
Calcium	44-1	231586.31	222220.83	244162.60	232656.58	4.73	ppb
Chromium	52-2	530.90	512.28	539.98	527.72	2.68	ppb
Cobalt	59-2	510.71	499.99	528.99	513.23	2.86	ppb
Copper	63-2	997.60	993.58	1025.27	1005.48	1.72	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				100		%
Holmium	165-2				96		%
Indium	115-1				96		%
Indium	115-2				92		%
Iron	56-2	124243.74	121576.36	129239.18	125019.76	3.11	ppb
Iron	57-2	123495.33	123262.87	129693.19	125483.80	2.91	ppb
Krypton	83-1						cps
Lead	206-1	517.56	509.20	545.46	524.08	3.62	ppb
Lead	207-1	524.19	515.00	552.72	530.64	3.71	ppb
Lead	208-1	522.92	512.29	551.17	528.80	3.80	ppb
Lithium	6-1				81		%
Magnesium	24-2	252158.41	243344.65	256103.26	250535.44	2.61	ppb

LB Number :	LB100404	Operator :	Jaswal
Lab Sample ID :	CCV48	Instrumnet Name :	P8
Client Sample ID :	CCV48	Dilution Factor :	1
Date & Time Acquired ::	2019-01-18 16:59:12	DataFile Name :	021CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	1024.95	1005.06	1058.10	1029.37	2.60	ppb
Molybdenum	94-1	2603.40	2531.69	2722.59	2619.23	3.68	ppb
Molybdenum	95-1	2600.94	2535.93	2695.73	2610.87	3.08	ppb
Molybdenum	96-1	2573.59	2508.25	2682.04	2587.96	3.39	ppb
Molybdenum	97-1	2547.31	2496.75	2692.29	2578.78	3.94	ppb
Molybdenum	98-1	2555.00	2478.88	2699.01	2577.63	4.34	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	520.10	508.70	531.40	520.07	2.18	ppb
Phosphorus	31-2	10190.09	9785.83	10651.26	10209.06	4.24	ppb
Potassium	39-2	125859.03	122491.62	129094.97	125815.21	2.62	ppb
Rhodium	103-1				94		%
Rhodium	103-2				93		%
Scandium	45-1				98		%
Scandium	45-2				100		%
Selenium	77-2	496.38	563.51	568.69	542.86	7.43	ppb
Selenium	78-2	490.73	505.07	533.28	509.69	4.25	ppb
Selenium	82-1	503.86	492.70	530.21	508.92	3.78	ppb
Silicon	28-1	441.69	424.07	480.14	448.64	6.39	ppb
Silver	109-1	503.59	486.44	515.64	501.89	2.92	ppb
Silver	107-1	501.78	482.67	519.97	501.47	3.72	ppb
Sodium	23-2	246704.95	242056.29	251665.38	246808.87	1.95	ppb
Strontium	86-1	510.64	500.68	540.45	517.26	4.00	ppb
Strontium	88-1	515.78	511.91	542.86	523.52	3.22	ppb
Sulfur	34-1	8209.45	7321.22	10680.22	8736.96	19.92	ppb
Terbium	159-1				100		%
Terbium	159-2				93		%
Thallium	203-1	510.51	503.95	540.51	518.33	3.76	ppb
Thallium	205-1	526.48	528.95	557.60	537.68	3.22	ppb
Tin	118-1	503.34	485.17	519.71	502.74	3.44	ppb
Titanium	47-1	2613.92	2510.77	2746.05	2623.58	4.50	ppb
Uranium	238-1	530.80	530.96	564.78	542.18	3.61	ppb
Vanadium	51-2	526.07	511.48	538.25	525.26	2.55	ppb
Yttrium	89-1				100		%
Yttrium	89-2				96		%
Zinc	66-2	993.71	991.84	1048.43	1011.33	3.18	ppb

LB Number :	LB100404	Operator :	Jaswal
Lab Sample ID :	CCV48	Instrumnet Name :	P8
Client Sample ID :	CCV48	Dilution Factor :	1
Date & Time Acquired ::	2019-01-18 16:59:12	DataFile Name :	021CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	90-1	512.44	511.09	550.65	524.73	4.28	ppb
Zirconium	91-1	506.85	495.21	530.67	510.91	3.54	ppb

LB Number : LB100404 Operator : Jaswal
 Lab Sample ID : CCB48 Instrumnet Name : P8
 Client Sample ID : CCB48 Dilution Factor : 1
 Date & Time Acquired :: 2019-01-18 17:08:11 DataFile Name : 022CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	-2.04	0.88	-0.32	-0.49		ppb
Antimony	121-1	0.10	0.12	0.14	0.12	16.44	ppb
Arsenic	75-2	0.06	0.02	0.04	0.04	39.38	ppb
Barium	135-1	0.07	-0.03	0.01	0.02	306.11	ppb
Barium	137-1	0.01	-0.01	0.00	0.00		ppb
Beryllium	9-1	0.04	0.00	0.03	0.02	93.08	ppb
Bismuth	209-1				97		%
Bismuth	209-2				95		%
Boron	10-1	4.52	4.25	3.62	4.13	11.13	ppb
Boron	11-1	4.21	3.91	4.29	4.14	4.90	ppb
Cadmium	111-1	0.03	-0.06	0.05	0.00	1418.71	ppb
Cadmium	106-1	0.47	-0.80	0.76	0.14	586.19	ppb
Cadmium	108-1	0.03	-0.04	0.14	0.04	200.69	ppb
Calcium	43-1	4.47	-4.37	-1.70	-0.53		ppb
Calcium	44-1	20.58	4.94	-3.36	7.39	164.53	ppb
Chromium	52-2	0.21	-0.08	0.04	0.06	252.92	ppb
Cobalt	59-2	0.00	-0.02	0.02	0.00	1273.22	ppb
Copper	63-2	0.16	0.12	0.18	0.15	18.99	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				97		%
Holmium	165-2				96		%
Indium	115-1				98		%
Indium	115-2				96		%
Iron	56-2	0.24	0.73	0.71	0.56	49.15	ppb
Iron	57-2	-1.24	-0.76	-1.02	-1.01		ppb
Krypton	83-1						cps
Lead	206-1	0.12	0.11	0.13	0.12	10.02	ppb
Lead	207-1	0.08	0.12	0.05	0.08	38.49	ppb
Lead	208-1	0.11	0.10	0.07	0.10	23.26	ppb
Lithium	6-1				83		%
Magnesium	24-2	1.40	-1.15	2.27	0.84	212.05	ppb

LB Number :	LB100404	Operator :	Jaswal
Lab Sample ID :	CCB48	Instrumnet Name :	P8
Client Sample ID :	CCB48	Dilution Factor :	1
Date & Time Acquired ::	2019-01-18 17:08:11	DataFile Name :	022CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	-0.03	0.03	-0.11	-0.04		ppb
Molybdenum	94-1	0.09	0.08	0.06	0.08	21.55	ppb
Molybdenum	95-1	0.07	0.11	0.09	0.09	24.55	ppb
Molybdenum	96-1	0.09	0.07	0.07	0.08	12.72	ppb
Molybdenum	97-1	0.23	0.06	0.14	0.14	59.60	ppb
Molybdenum	98-1	0.06	0.08	0.04	0.06	33.15	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.04	0.00	-0.03	0.00	862.11	ppb
Phosphorus	31-2	-18.93	-18.45	-4.97	-14.12		ppb
Potassium	39-2	6.12	1.91	8.75	5.59	61.66	ppb
Rhodium	103-1				98		%
Rhodium	103-2				98		%
Scandium	45-1				98		%
Scandium	45-2				101		%
Selenium	77-2	-2.50	-2.50	-2.50	-2.50		ppb
Selenium	78-2	0.66	0.03	0.69	0.46	80.81	ppb
Selenium	82-1	-0.03	-0.67	0.37	-0.11		ppb
Silicon	28-1	2.59	-6.30	-7.52	-3.74		ppb
Silver	109-1	0.04	0.01	0.02	0.02	53.47	ppb
Silver	107-1	0.03	0.01	0.03	0.02	64.36	ppb
Sodium	23-2	65.39	67.22	66.33	66.31	1.38	ppb
Strontium	86-1	0.02	0.08	-0.06	0.01	577.67	ppb
Strontium	88-1	0.00	0.00	0.01	0.00	77.74	ppb
Sulfur	34-1	-2414.36	-4950.13	-5259.24	-4207.91		ppb
Terbium	159-1				96		%
Terbium	159-2				95		%
Thallium	203-1	-0.02	-0.04	-0.01	-0.03		ppb
Thallium	205-1	0.01	0.00	0.00	0.00	216.26	ppb
Tin	118-1	0.03	0.03	0.01	0.02	51.28	ppb
Titanium	47-1	-0.03	-0.01	0.02	-0.01		ppb
Uranium	238-1	0.00	0.00	0.00	0.00		ppb
Vanadium	51-2	0.00	0.00	-0.01	-0.01		ppb
Yttrium	89-1				98		%
Yttrium	89-2				97		%
Zinc	66-2	-0.04	-0.11	0.01	-0.05		ppb

LB Number :	LB100404	Operator :	Jaswal
Lab Sample ID :	CCB48	Instrumnet Name :	P8
Client Sample ID :	CCB48	Dilution Factor :	1
Date & Time Acquired ::	2019-01-18 17:08:11	DataFile Name :	022CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	90-1	0.00	0.01	0.00	0.01	99.43	ppb
Zirconium	91-1	-0.03	0.01	0.03	0.00	1880.15	ppb

LB Number :	LB100404	Operator :	Jaswal
Lab Sample ID :	K1089-02	Instrumnet Name :	P8
Client Sample ID :	D-01082019-01-FF	Dilution Factor :	1
Date & Time Acquired ::	2019-01-18 17:34:25	DataFile Name :	023SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	6.97	5.11	7.63	6.57	19.92	ppb
Antimony	121-1	0.10	0.14	0.13	0.12	16.31	ppb
Arsenic	75-2	0.52	0.77	0.61	0.64	20.08	ppb
Barium	135-1	182.44	180.79	180.72	181.32	0.54	ppb
Barium	137-1	182.28	180.85	183.49	182.21	0.73	ppb
Beryllium	9-1	0.01	0.01	0.02	0.02	43.83	ppb
Bismuth	209-1				96		%
Bismuth	209-2				92		%
Boron	10-1	54.14	58.64	58.52	57.10	4.49	ppb
Boron	11-1	55.55	55.83	56.21	55.86	0.59	ppb
Cadmium	111-1	0.28	0.09	0.15	0.17	57.28	ppb
Cadmium	106-1	1.40	-1.52	-0.22	-0.12		ppb
Cadmium	108-1	0.50	0.26	0.38	0.38	30.92	ppb
Calcium	43-1	95215.80	92239.54	92805.01	93420.12	1.69	ppb
Calcium	44-1	92366.77	91147.05	91269.18	91594.33	0.73	ppb
Chromium	52-2	2559.29	2527.26	2561.81	2549.45	0.76	ppb
Cobalt	59-2	0.41	0.41	0.38	0.40	3.46	ppb
Copper	63-2	2.69	2.63	2.66	2.66	0.95	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				99		%
Holmium	165-2				95		%
Indium	115-1				97		%
Indium	115-2				94		%
Iron	56-2	8.41	7.81	8.06	8.09	3.74	ppb
Iron	57-2	5.74	6.69	10.07	7.50	30.35	ppb
Krypton	83-1						cps
Lead	206-1	0.30	0.27	0.29	0.29	5.69	ppb
Lead	207-1	0.28	0.28	0.28	0.28	0.42	ppb
Lead	208-1	0.28	0.24	0.27	0.27	7.79	ppb
Lithium	6-1				90		%
Magnesium	24-2	19057.15	18576.91	19115.27	18916.45	1.56	ppb

LB Number :	LB100404	Operator :	Jaswal
Lab Sample ID :	K1089-02	Instrumnet Name :	P8
Client Sample ID :	D-01082019-01-FF	Dilution Factor :	1
Date & Time Acquired ::	2019-01-18 17:34:25	DataFile Name :	023SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	471.54	462.74	478.26	470.85	1.65	ppb
Molybdenum	94-1	0.50	0.43	0.49	0.47	8.17	ppb
Molybdenum	95-1	0.53	0.53	0.55	0.54	2.04	ppb
Molybdenum	96-1	0.46	0.59	0.55	0.53	12.87	ppb
Molybdenum	97-1	0.56	0.50	0.50	0.52	5.98	ppb
Molybdenum	98-1	0.59	0.48	0.51	0.53	10.75	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	2.05	1.97	1.95	1.99	2.69	ppb
Phosphorus	31-2	-29.78	-56.69	-43.58	-43.35		ppb
Potassium	39-2	1631.83	1606.30	1679.31	1639.14	2.26	ppb
Rhodium	103-1				96		%
Rhodium	103-2				94		%
Scandium	45-1				98		%
Scandium	45-2				97		%
Selenium	77-2	5.57	-2.50	5.48	2.85	162.70	ppb
Selenium	78-2	2.67	2.73	0.68	2.03	57.43	ppb
Selenium	82-1	2.80	1.46	2.00	2.09	32.25	ppb
Silicon	28-1	6082.38	6035.83	6114.35	6077.52	0.65	ppb
Silver	109-1	0.05	0.08	0.08	0.07	23.92	ppb
Silver	107-1	0.05	0.04	0.06	0.05	24.53	ppb
Sodium	23-2	78858.72	77545.78	79213.58	78539.36	1.12	ppb
Strontium	86-1	154.22	154.13	153.94	154.09	0.09	ppb
Strontium	88-1	160.38	158.04	157.95	158.79	0.87	ppb
Sulfur	34-1	8385.62	7091.03	7863.00	7779.88	8.37	ppb
Terbium	159-1				98		%
Terbium	159-2				94		%
Thallium	203-1	-0.02	-0.04	-0.02	-0.03		ppb
Thallium	205-1	-0.01	-0.02	-0.01	-0.02		ppb
Tin	118-1	0.33	0.21	0.31	0.28	22.73	ppb
Titanium	47-1	0.33	0.50	0.31	0.38	27.28	ppb
Uranium	238-1	0.41	0.38	0.40	0.40	3.52	ppb
Vanadium	51-2	1.08	1.11	1.08	1.09	1.61	ppb
Yttrium	89-1				98		%
Yttrium	89-2				95		%
Zinc	66-2	26.26	23.46	25.28	25.00	5.69	ppb

LB Number :	LB100404	Operator :	Jaswal
Lab Sample ID :	K1089-02	Instrumnet Name :	P8
Client Sample ID :	D-01082019-01-FF	Dilution Factor :	1
Date & Time Acquired ::	2019-01-18 17:34:25	DataFile Name :	023SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	90-1	0.08	0.07	0.09	0.08	15.12	ppb
Zirconium	91-1	0.00	0.09	0.06	0.05	85.33	ppb

LB Number : LB100404 Operator : Jaswal
 Lab Sample ID : K1089-12 Instrumnet Name : P8
 Client Sample ID : EPA-MW-31-BR-0108201 Dilution Factor : 1
 Date & Time Acquired :: 2019-01-18 17:37:56 DataFile Name : 024SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	3.80	6.96	4.44	5.07	32.94	ppb
Antimony	121-1	0.07	0.06	0.07	0.07	6.37	ppb
Arsenic	75-2	0.53	0.54	0.48	0.52	6.68	ppb
Barium	135-1	187.77	182.16	179.03	182.99	2.42	ppb
Barium	137-1	188.69	184.42	183.62	185.58	1.47	ppb
Beryllium	9-1	0.04	0.06	0.00	0.03	85.08	ppb
Bismuth	209-1				96		%
Bismuth	209-2				95		%
Boron	10-1	54.27	54.21	56.84	55.11	2.72	ppb
Boron	11-1	56.53	56.05	54.43	55.67	1.97	ppb
Cadmium	111-1	0.22	0.28	0.34	0.28	21.62	ppb
Cadmium	106-1	0.44	0.82	1.04	0.77	40.02	ppb
Cadmium	108-1	0.27	0.33	0.14	0.25	38.42	ppb
Calcium	43-1	95308.96	92456.37	92379.62	93381.65	1.79	ppb
Calcium	44-1	94486.73	92510.55	91707.65	92901.65	1.54	ppb
Chromium	52-2	2707.11	2730.29	2636.62	2691.34	1.81	ppb
Cobalt	59-2	0.33	0.35	0.37	0.35	5.08	ppb
Copper	63-2	1.34	1.38	1.52	1.42	6.72	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				97		%
Holmium	165-2				97		%
Indium	115-1				97		%
Indium	115-2				96		%
Iron	56-2	1.74	1.74	2.11	1.86	11.60	ppb
Iron	57-2	2.35	2.99	5.42	3.59	45.15	ppb
Krypton	83-1						cps
Lead	206-1	0.04	0.07	0.11	0.07	47.77	ppb
Lead	207-1	0.06	0.03	0.03	0.04	47.51	ppb
Lead	208-1	0.05	0.05	0.06	0.05	13.89	ppb
Lithium	6-1				89		%
Magnesium	24-2	19015.82	19188.56	18782.41	18995.59	1.07	ppb

LB Number : LB100404 Operator : Jaswal
 Lab Sample ID : K1089-12 Instrumnet Name : P8
 Client Sample ID : EPA-MW-31-BR-0108201 Dilution Factor : 1
 Date & Time Acquired :: 2019-01-18 17:37:56 DataFile Name : 024SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	401.57	402.53	396.22	400.11	0.85	ppb
Molybdenum	94-1	0.39	0.43	0.32	0.38	15.24	ppb
Molybdenum	95-1	0.51	0.45	0.33	0.43	20.75	ppb
Molybdenum	96-1	0.35	0.59	0.49	0.48	25.07	ppb
Molybdenum	97-1	0.49	0.50	0.51	0.50	2.52	ppb
Molybdenum	98-1	0.44	0.44	0.40	0.43	5.49	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	1.83	2.06	1.85	1.91	6.78	ppb
Phosphorus	31-2	-43.88	-30.50	-31.05	-35.14		ppb
Potassium	39-2	1524.71	1518.13	1498.25	1513.69	0.91	ppb
Rhodium	103-1				94		%
Rhodium	103-2				96		%
Scandium	45-1				98		%
Scandium	45-2				100		%
Selenium	77-2	-2.50	-2.50	5.47	0.15	2991.81	ppb
Selenium	78-2	3.83	3.91	1.33	3.02	48.40	ppb
Selenium	82-1	1.98	2.83	0.97	1.93	48.31	ppb
Silicon	28-1	6189.42	6130.47	6174.95	6164.95	0.50	ppb
Silver	109-1	0.06	0.05	0.06	0.06	6.25	ppb
Silver	107-1	0.03	0.05	0.07	0.05	40.60	ppb
Sodium	23-2	79389.74	79938.09	78780.82	79369.55	0.73	ppb
Strontium	86-1	157.70	158.13	154.77	156.87	1.16	ppb
Strontium	88-1	162.93	163.66	160.88	162.49	0.89	ppb
Sulfur	34-1	10011.55	8745.09	8605.42	9120.69	8.49	ppb
Terbium	159-1				97		%
Terbium	159-2				96		%
Thallium	203-1	-0.03	-0.01	-0.03	-0.02		ppb
Thallium	205-1	-0.02	-0.03	-0.01	-0.02		ppb
Tin	118-1	0.03	0.00	0.05	0.03	79.92	ppb
Titanium	47-1	0.24	0.22	0.25	0.23	6.36	ppb
Uranium	238-1	0.39	0.42	0.38	0.40	4.90	ppb
Vanadium	51-2	0.99	1.06	0.99	1.01	4.45	ppb
Yttrium	89-1				97		%
Yttrium	89-2				97		%
Zinc	66-2	10.86	11.42	11.02	11.10	2.62	ppb

LB Number :	LB100404	Operator :	Jaswal
Lab Sample ID :	K1089-12	Instrumnet Name :	P8
Client Sample ID :	EPA-MW-31-BR-0108201	Dilution Factor :	1
Date & Time Acquired ::	2019-01-18 17:37:56	DataFile Name :	024SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	90-1	0.03	0.02	0.03	0.03	15.83	ppb
Zirconium	91-1	0.01	-0.01	0.02	0.01	241.63	ppb

LB Number : LB100404 Operator : Jaswal
 Lab Sample ID : K1089-16 Instrumnet Name : P8
 Client Sample ID : EPA-MW-32-BR-0108201 Dilution Factor : 1
 Date & Time Acquired :: 2019-01-18 17:41:28 DataFile Name : 025SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	4.88	4.09	2.51	3.82	31.58	ppb
Antimony	121-1	0.02	0.02	0.02	0.02	5.94	ppb
Arsenic	75-2	0.85	1.07	1.09	1.00	13.10	ppb
Barium	135-1	185.51	186.03	181.55	184.36	1.33	ppb
Barium	137-1	186.12	185.93	181.75	184.60	1.34	ppb
Beryllium	9-1	0.03	0.01	0.00	0.02	100.66	ppb
Bismuth	209-1				97		%
Bismuth	209-2				94		%
Boron	10-1	47.34	47.31	48.13	47.59	0.98	ppb
Boron	11-1	49.52	47.74	50.01	49.09	2.43	ppb
Cadmium	111-1	-0.01	0.10	0.00	0.03	198.55	ppb
Cadmium	106-1	-0.83	0.38	-0.51	-0.32		ppb
Cadmium	108-1	-0.10	0.02	0.20	0.04	356.49	ppb
Calcium	43-1	92630.06	90775.01	88566.96	90657.34	2.24	ppb
Calcium	44-1	91146.34	88362.26	89350.13	89619.58	1.57	ppb
Chromium	52-2	2465.44	2512.84	2457.21	2478.50	1.21	ppb
Cobalt	59-2	0.07	0.07	0.03	0.06	39.58	ppb
Copper	63-2	1.15	1.17	1.21	1.18	2.43	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				98		%
Holmium	165-2				98		%
Indium	115-1				98		%
Indium	115-2				96		%
Iron	56-2	4.30	4.82	4.34	4.49	6.38	ppb
Iron	57-2	1.31	7.04	4.25	4.20	68.17	ppb
Krypton	83-1						cps
Lead	206-1	0.04	0.04	0.03	0.04	12.29	ppb
Lead	207-1	-0.01	-0.01	-0.03	-0.02		ppb
Lead	208-1	0.00	0.01	0.01	0.01	88.04	ppb
Lithium	6-1				89		%
Magnesium	24-2	21311.74	21731.96	21085.09	21376.26	1.54	ppb

LB Number :	LB100404	Operator :	Jaswal
Lab Sample ID :	K1089-16	Instrumnet Name :	P8
Client Sample ID :	EPA-MW-32-BR-0108201	Dilution Factor :	1
Date & Time Acquired ::	2019-01-18 17:41:28	DataFile Name :	025SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	0.75	0.82	0.79	0.79	4.79	ppb
Molybdenum	94-1	0.21	0.21	0.19	0.20	5.65	ppb
Molybdenum	95-1	0.26	0.27	0.28	0.27	3.33	ppb
Molybdenum	96-1	0.24	0.24	0.23	0.24	1.93	ppb
Molybdenum	97-1	0.26	0.24	0.29	0.26	9.38	ppb
Molybdenum	98-1	0.19	0.24	0.27	0.24	16.72	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.95	1.23	0.92	1.03	16.51	ppb
Phosphorus	31-2	-17.83	9.31	-5.51	-4.68		ppb
Potassium	39-2	1610.61	1616.32	1546.46	1591.13	2.44	ppb
Rhodium	103-1				96		%
Rhodium	103-2				96		%
Scandium	45-1				99		%
Scandium	45-2				100		%
Selenium	77-2	5.48	-2.50	-2.50	0.16	2907.93	ppb
Selenium	78-2	3.29	4.50	1.31	3.03	53.18	ppb
Selenium	82-1	1.39	2.60	1.96	1.98	30.56	ppb
Silicon	28-1	6500.05	6316.63	6349.08	6388.59	1.53	ppb
Silver	109-1	0.03	0.03	0.05	0.03	28.80	ppb
Silver	107-1	0.03	0.02	0.02	0.03	21.88	ppb
Sodium	23-2	84722.94	86084.50	84045.17	84950.87	1.22	ppb
Strontium	86-1	185.47	184.67	181.59	183.91	1.11	ppb
Strontium	88-1	189.66	190.02	188.86	189.51	0.31	ppb
Sulfur	34-1	11078.78	10041.21	9738.36	10286.12	6.83	ppb
Terbium	159-1				98		%
Terbium	159-2				96		%
Thallium	203-1	-0.04	-0.03	-0.04	-0.04		ppb
Thallium	205-1	-0.04	-0.03	-0.02	-0.03		ppb
Tin	118-1	0.05	0.04	0.05	0.05	10.47	ppb
Titanium	47-1	0.43	0.43	0.19	0.35	39.11	ppb
Uranium	238-1	0.64	0.58	0.54	0.59	8.06	ppb
Vanadium	51-2	1.52	1.71	1.33	1.52	12.54	ppb
Yttrium	89-1				99		%
Yttrium	89-2				97		%
Zinc	66-2	11.55	12.23	12.41	12.07	3.79	ppb

LB Number :	LB100404	Operator :	Jaswal
Lab Sample ID :	K1089-16	Instrumnet Name :	P8
Client Sample ID :	EPA-MW-32-BR-0108201	Dilution Factor :	1
Date & Time Acquired ::	2019-01-18 17:41:28	DataFile Name :	025SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	90-1	0.01	0.02	0.01	0.01	29.63	ppb
Zirconium	91-1	0.02	0.03	0.00	0.02	111.97	ppb

LB Number :	LB100404	Operator :	Jaswal
Lab Sample ID :	K1089-20	Instrumnet Name :	P8
Client Sample ID :	EPA-MW-37-OB-010820	Dilution Factor :	1
Date & Time Acquired ::	2019-01-18 17:44:59	DataFile Name :	026SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	12133.22	12635.72	12319.02	12362.66	2.06	ppb
Antimony	121-1	5.38	5.72	5.48	5.52	3.13	ppb
Arsenic	75-2	21.18	23.15	21.77	22.03	4.59	ppb
Barium	135-1	61.56	65.25	62.64	63.15	3.00	ppb
Barium	137-1	62.79	66.00	63.17	63.99	2.74	ppb
Beryllium	9-1	0.29	0.21	0.20	0.23	21.46	ppb
Bismuth	209-1				80		%
Bismuth	209-2				80		%
Boron	10-1	437.86	469.43	461.71	456.33	3.61	ppb
Boron	11-1	451.38	485.43	475.58	470.80	3.72	ppb
Cadmium	111-1	1.05	1.16	1.06	1.09	5.92	ppb
Cadmium	106-1	4.20	5.37	3.75	4.44	18.88	ppb
Cadmium	108-1	1.66	1.87	1.76	1.76	6.10	ppb
Calcium	43-1	3011.82	3109.37	2970.97	3030.72	2.35	ppb
Calcium	44-1	3871.59	4147.45	3985.63	4001.56	3.46	ppb
Chromium	52-2	46113.46	47810.34	47763.34	47229.05	2.05	ppb
Cobalt	59-2	4.27	4.35	4.15	4.26	2.41	ppb
Copper	63-2	301.75	312.37	312.77	308.96	2.02	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				87		%
Holmium	165-2				88		%
Indium	115-1				84		%
Indium	115-2				86		%
Iron	56-2	2410.38	2472.78	2482.01	2455.06	1.59	ppb
Iron	57-2	2376.52	2481.72	2438.51	2432.25	2.17	ppb
Krypton	83-1						cps
Lead	206-1	3.25	3.11	3.06	3.14	3.18	ppb
Lead	207-1	2.89	3.08	3.05	3.01	3.35	ppb
Lead	208-1	2.96	3.03	2.97	2.99	1.28	ppb
Lithium	6-1				70		%
Magnesium	24-2	9444.38	9707.08	9609.88	9587.11	1.39	ppb

LB Number :	LB100404	Operator :	Jaswal
Lab Sample ID :	K1089-20	Instrumnet Name :	P8
Client Sample ID :	EPA-MW-37-OB-010820	Dilution Factor :	1
Date & Time Acquired ::	2019-01-18 17:44:59	DataFile Name :	026SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	446.68	459.74	459.98	455.47	1.67	ppb
Molybdenum	94-1	15.20	15.80	15.17	15.39	2.29	ppb
Molybdenum	95-1	13.78	13.48	13.11	13.46	2.52	ppb
Molybdenum	96-1	12.89	12.78	12.36	12.67	2.21	ppb
Molybdenum	97-1	14.03	15.01	14.30	14.45	3.51	ppb
Molybdenum	98-1	12.25	12.98	12.24	12.49	3.39	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	71.36	72.05	72.67	72.03	0.90	ppb
Phosphorus	31-2	6287.76	5979.37	6095.80	6120.98	2.54	ppb
Potassium	39-2	5030.94	5172.04	5123.05	5108.68	1.40	ppb
Rhodium	103-1				82		%
Rhodium	103-2				85		%
Scandium	45-1				89		%
Scandium	45-2				92		%
Selenium	77-2	21.60	30.99	13.83	22.14	38.82	ppb
Selenium	78-2	10.51	2.80	7.37	6.89	56.30	ppb
Selenium	82-1	597.74	690.26	695.15	661.05	8.30	ppb
Silicon	28-1	9064.67	9648.38	9350.54	9354.53	3.12	ppb
Silver	109-1	19.94	20.87	19.35	20.05	3.84	ppb
Silver	107-1	19.77	20.62	20.15	20.18	2.11	ppb
Sodium	23-2	2718844.03	2750746.34	2774442.91	2748011.09	1.02	ppb
Strontium	86-1	67.92	68.95	67.99	68.29	0.84	ppb
Strontium	88-1	68.60	70.90	68.12	69.21	2.14	ppb
Sulfur	34-1	30883.44	35086.20	31589.85	32519.83	6.92	ppb
Terbium	159-1				87		%
Terbium	159-2				87		%
Thallium	203-1	0.01	-0.01	-0.01	0.00		ppb
Thallium	205-1	0.01	0.00	0.00	0.00		ppb
Tin	118-1	1.14	1.29	1.11	1.18	8.28	ppb
Titanium	47-1	12.90	13.61	12.74	13.08	3.56	ppb
Uranium	238-1	3.79	3.73	3.61	3.71	2.40	ppb
Vanadium	51-2	25.13	26.39	25.43	25.65	2.57	ppb
Yttrium	89-1				92		%
Yttrium	89-2				94		%
Zinc	66-2	44.92	46.86	46.68	46.15	2.32	ppb

LB Number :	LB100404	Operator :	Jaswal
Lab Sample ID :	K1089-20	Instrumnet Name :	P8
Client Sample ID :	EPA-MW-37-OB-010820	Dilution Factor :	1
Date & Time Acquired ::	2019-01-18 17:44:59	DataFile Name :	026SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	90-1	4.36	4.32	4.27	4.32	1.08	ppb
Zirconium	91-1	4.34	4.53	4.17	4.35	4.13	ppb

LB Number :	LB100404	Operator :	Jaswal
Lab Sample ID :	K1089-22	Instrumnet Name :	P8
Client Sample ID :	EPA-MW-38-BR-0108201	Dilution Factor :	1
Date & Time Acquired ::	2019-01-18 17:48:34	DataFile Name :	027SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	23.03	24.68	27.65	25.12	9.31	ppb
Antimony	121-1	0.24	0.19	0.19	0.21	12.17	ppb
Arsenic	75-2	0.68	0.86	0.77	0.77	11.56	ppb
Barium	135-1	176.51	180.62	175.11	177.41	1.61	ppb
Barium	137-1	178.81	181.71	178.11	179.54	1.06	ppb
Beryllium	9-1	0.01	0.00	0.04	0.02	121.49	ppb
Bismuth	209-1				99		%
Bismuth	209-2				99		%
Boron	10-1	60.75	54.83	65.62	60.40	8.95	ppb
Boron	11-1	60.39	59.62	62.48	60.83	2.43	ppb
Cadmium	111-1	0.11	0.07	0.05	0.08	45.60	ppb
Cadmium	106-1	1.57	0.77	0.33	0.89	70.87	ppb
Cadmium	108-1	0.02	-0.04	-0.04	-0.02		ppb
Calcium	43-1	85987.38	83248.87	84793.04	84676.43	1.62	ppb
Calcium	44-1	83525.85	82517.47	84069.77	83371.03	0.94	ppb
Chromium	52-2	2123.38	2199.37	2183.51	2168.75	1.85	ppb
Cobalt	59-2	0.09	0.08	0.06	0.08	15.43	ppb
Copper	63-2	1.59	1.78	1.52	1.63	8.38	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				101		%
Holmium	165-2				103		%
Indium	115-1				100		%
Indium	115-2				100		%
Iron	56-2	8.87	8.40	8.33	8.53	3.45	ppb
Iron	57-2	10.73	7.74	9.71	9.39	16.15	ppb
Krypton	83-1						cps
Lead	206-1	0.01	0.06	0.01	0.03	110.07	ppb
Lead	207-1	-0.01	0.02	-0.03	-0.01		ppb
Lead	208-1	0.02	0.02	0.01	0.02	24.85	ppb
Lithium	6-1				98		%
Magnesium	24-2	16385.78	16756.58	17024.64	16722.33	1.92	ppb

LB Number :	LB100404	Operator :	Jaswal
Lab Sample ID :	K1089-22	Instrumnet Name :	P8
Client Sample ID :	EPA-MW-38-BR-0108201	Dilution Factor :	1
Date & Time Acquired ::	2019-01-18 17:48:34	DataFile Name :	027SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	9.34	9.50	10.03	9.62	3.72	ppb
Molybdenum	94-1	2.09	2.27	1.93	2.10	8.11	ppb
Molybdenum	95-1	2.92	2.73	2.50	2.72	7.83	ppb
Molybdenum	96-1	3.02	2.87	2.68	2.86	6.04	ppb
Molybdenum	97-1	3.11	2.97	3.04	3.04	2.40	ppb
Molybdenum	98-1	2.94	2.85	2.89	2.89	1.54	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	1.90	1.70	1.84	1.81	5.70	ppb
Phosphorus	31-2	-6.55	-31.02	-43.83	-27.14		ppb
Potassium	39-2	1982.39	2042.40	2053.72	2026.17	1.89	ppb
Rhodium	103-1				97		%
Rhodium	103-2				99		%
Scandium	45-1				101		%
Scandium	45-2				101		%
Selenium	77-2	1.29	1.30	-2.50	0.03	7661.33	ppb
Selenium	78-2	2.48	3.10	1.26	2.28	40.98	ppb
Selenium	82-1	30.47	24.99	22.38	25.95	15.91	ppb
Silicon	28-1	6680.26	6553.61	6669.40	6634.42	1.06	ppb
Silver	109-1	0.10	0.10	0.06	0.09	26.01	ppb
Silver	107-1	0.09	0.08	0.08	0.09	7.29	ppb
Sodium	23-2	86957.46	87744.47	88840.93	87847.62	1.08	ppb
Strontium	86-1	136.02	137.15	135.08	136.09	0.76	ppb
Strontium	88-1	139.97	139.91	138.78	139.55	0.48	ppb
Sulfur	34-1	5270.45	4605.01	5666.50	5180.66	10.35	ppb
Terbium	159-1				100		%
Terbium	159-2				100		%
Thallium	203-1	-0.04	-0.03	-0.04	-0.04		ppb
Thallium	205-1	-0.02	-0.01	-0.03	-0.02		ppb
Tin	118-1	0.10	0.08	0.09	0.09	11.92	ppb
Titanium	47-1	0.39	0.55	0.42	0.46	18.79	ppb
Uranium	238-1	0.26	0.23	0.26	0.25	6.12	ppb
Vanadium	51-2	1.53	1.49	1.52	1.51	1.18	ppb
Yttrium	89-1				99		%
Yttrium	89-2				101		%
Zinc	66-2	6.53	6.64	6.10	6.42	4.49	ppb

LB Number :	LB100404	Operator :	Jaswal
Lab Sample ID :	K1089-22	Instrumnet Name :	P8
Client Sample ID :	EPA-MW-38-BR-0108201	Dilution Factor :	1
Date & Time Acquired ::	2019-01-18 17:48:34	DataFile Name :	027SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	90-1	0.03	0.04	0.04	0.04	10.65	ppb
Zirconium	91-1	0.02	0.00	0.03	0.02	70.91	ppb

LB Number :	LB100404	Operator :	Jaswal
Lab Sample ID :	K1089-02DLX5	Instrumnet Name :	P8
Client Sample ID :	D-01082019-01-FFDL	Dilution Factor :	5
Date & Time Acquired ::	2019-01-18 17:56:25	DataFile Name :	028SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	0.91	-0.18	0.93	0.55	114.72	ppb
Antimony	121-1	0.03	0.03	0.04	0.03	26.73	ppb
Arsenic	75-2	0.07	0.02	0.08	0.06	60.27	ppb
Barium	135-1	41.52	39.80	44.39	41.90	5.54	ppb
Barium	137-1	40.79	39.71	44.26	41.59	5.71	ppb
Beryllium	9-1	-0.02	-0.01	0.01	-0.01		ppb
Bismuth	209-1				101		%
Bismuth	209-2				105		%
Boron	10-1	13.46	14.80	16.95	15.07	11.68	ppb
Boron	11-1	13.61	13.73	15.98	14.44	9.23	ppb
Cadmium	111-1	0.06	-0.03	0.16	0.06	145.42	ppb
Cadmium	106-1	0.05	-0.88	1.29	0.15	703.01	ppb
Cadmium	108-1	0.08	-0.04	0.28	0.10	154.30	ppb
Calcium	43-1	20336.24	19237.59	22226.22	20600.02	7.34	ppb
Calcium	44-1	20401.88	19389.43	22075.32	20622.21	6.58	ppb
Chromium	52-2	548.05	535.31	555.78	546.38	1.89	ppb
Cobalt	59-2	0.10	0.09	0.06	0.08	28.16	ppb
Copper	63-2	0.24	0.14	0.23	0.20	28.55	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				101		%
Holmium	165-2				105		%
Indium	115-1				101		%
Indium	115-2				104		%
Iron	56-2	0.46	0.07	0.05	0.19	122.02	ppb
Iron	57-2	-0.38	-1.70	-2.55	-1.54		ppb
Krypton	83-1						cps
Lead	206-1	0.01	0.00	-0.02	0.00		ppb
Lead	207-1	0.00	-0.01	-0.01	-0.01		ppb
Lead	208-1	-0.01	-0.02	-0.02	-0.02		ppb
Lithium	6-1				104		%
Magnesium	24-2	4125.47	3959.56	4232.98	4106.00	3.35	ppb

LB Number :	LB100404	Operator :	Jaswal
Lab Sample ID :	K1089-02DLX5	Instrumnet Name :	P8
Client Sample ID :	D-01082019-01-FFDL	Dilution Factor :	5
Date & Time Acquired ::	2019-01-18 17:56:25	DataFile Name :	028SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	103.25	103.61	105.28	104.05	1.04	ppb
Molybdenum	94-1	0.12	0.06	0.07	0.08	39.22	ppb
Molybdenum	95-1	0.10	0.07	0.13	0.10	28.68	ppb
Molybdenum	96-1	0.08	0.08	0.10	0.09	12.84	ppb
Molybdenum	97-1	0.18	0.15	0.11	0.15	23.68	ppb
Molybdenum	98-1	0.04	0.09	0.14	0.09	54.56	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.41	0.46	0.26	0.37	28.21	ppb
Phosphorus	31-2	-56.69	-32.96	-19.91	-36.52		ppb
Potassium	39-2	339.24	327.09	330.83	332.39	1.87	ppb
Rhodium	103-1				98		%
Rhodium	103-2				103		%
Scandium	45-1				101		%
Scandium	45-2				107		%
Selenium	77-2	-2.50	-2.50	-2.50	-2.50		ppb
Selenium	78-2	0.59	-0.02	0.60	0.39	90.23	ppb
Selenium	82-1	1.55	2.00	1.59	1.72	14.45	ppb
Silicon	28-1	1383.88	1295.90	1518.00	1399.26	7.99	ppb
Silver	109-1	-0.01	0.00	0.01	0.00	12667.37	ppb
Silver	107-1	0.00	0.01	0.00	0.00	251.08	ppb
Sodium	23-2	17947.68	17319.19	18005.13	17757.33	2.14	ppb
Strontium	86-1	33.12	32.05	36.38	33.85	6.66	ppb
Strontium	88-1	34.45	32.91	37.67	35.01	6.93	ppb
Sulfur	34-1	-501.65	-2237.46	1791.30	-315.94		ppb
Terbium	159-1				100		%
Terbium	159-2				104		%
Thallium	203-1	-0.04	-0.04	-0.04	-0.04		ppb
Thallium	205-1	-0.03	-0.04	-0.03	-0.03		ppb
Tin	118-1	0.01	0.01	0.04	0.02	75.55	ppb
Titanium	47-1	0.14	0.16	0.15	0.15	6.81	ppb
Uranium	238-1	0.10	0.07	0.11	0.09	23.22	ppb
Vanadium	51-2	0.22	0.20	0.31	0.24	24.58	ppb
Yttrium	89-1				101		%
Yttrium	89-2				104		%
Zinc	66-2	2.37	1.84	1.67	1.96	18.67	ppb

LB Number :	LB100404	Operator :	Jaswal
Lab Sample ID :	K1089-02DLX5	Instrumnet Name :	P8
Client Sample ID :	D-01082019-01-FFDL	Dilution Factor :	5
Date & Time Acquired ::	2019-01-18 17:56:25	DataFile Name :	028SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	90-1	0.01	0.00	0.01	0.01	97.61	ppb
Zirconium	91-1	0.02	-0.02	0.01	0.00	954.29	ppb

LB Number :	LB100404	Operator :	Jaswal
Lab Sample ID :	K1089-12DLX5	Instrumnet Name :	P8
Client Sample ID :	EPA-MW-31-BR-0108201	Dilution Factor :	5
Date & Time Acquired ::	2019-01-18 17:59:59	DataFile Name :	029SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	1.22	1.68	1.14	1.35	21.73	ppb
Antimony	121-1	0.00	0.00	0.01	0.01	52.79	ppb
Arsenic	75-2	0.15	0.08	0.07	0.10	43.00	ppb
Barium	135-1	36.27	35.41	35.01	35.57	1.80	ppb
Barium	137-1	35.76	36.34	35.71	35.94	0.97	ppb
Beryllium	9-1	-0.01	0.02	0.00	0.00	539.65	ppb
Bismuth	209-1				104		%
Bismuth	209-2				104		%
Boron	10-1	11.54	12.02	12.85	12.14	5.46	ppb
Boron	11-1	11.80	13.65	12.50	12.65	7.36	ppb
Cadmium	111-1	-0.01	0.03	0.19	0.07	151.40	ppb
Cadmium	106-1	-0.71	0.23	2.05	0.52	267.83	ppb
Cadmium	108-1	0.07	0.02	0.07	0.06	58.69	ppb
Calcium	43-1	18410.83	18499.57	18123.26	18344.55	1.07	ppb
Calcium	44-1	18587.75	18408.85	18330.90	18442.50	0.71	ppb
Chromium	52-2	524.50	536.81	541.26	534.19	1.63	ppb
Cobalt	59-2	0.06	0.05	0.09	0.07	35.11	ppb
Copper	63-2	0.12	0.10	0.18	0.13	31.41	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				105		%
Indium	115-1				103		%
Indium	115-2				103		%
Iron	56-2	-0.19	-0.58	0.04	-0.24		ppb
Iron	57-2	-0.37	-0.93	-1.59	-0.96		ppb
Krypton	83-1						cps
Lead	206-1	0.02	-0.02	-0.03	-0.01		ppb
Lead	207-1	-0.02	0.00	-0.02	-0.01		ppb
Lead	208-1	0.00	-0.01	-0.01	-0.01		ppb
Lithium	6-1				109		%
Magnesium	24-2	3770.77	3829.75	3893.00	3831.18	1.60	ppb

LB Number :	LB100404	Operator :	Jaswal
Lab Sample ID :	K1089-12DLX5	Instrumnet Name :	P8
Client Sample ID :	EPA-MW-31-BR-0108201	Dilution Factor :	5
Date & Time Acquired ::	2019-01-18 17:59:59	DataFile Name :	029SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	80.50	81.49	81.56	81.18	0.73	ppb
Molybdenum	94-1	0.04	0.07	0.09	0.06	42.41	ppb
Molybdenum	95-1	0.08	0.08	0.09	0.08	7.25	ppb
Molybdenum	96-1	0.04	0.09	0.09	0.07	43.94	ppb
Molybdenum	97-1	0.14	0.12	0.12	0.13	9.15	ppb
Molybdenum	98-1	0.07	0.10	0.09	0.08	20.39	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.32	0.45	0.43	0.40	16.51	ppb
Phosphorus	31-2	-32.22	-31.70	-31.40	-31.78		ppb
Potassium	39-2	277.90	318.57	337.64	311.37	9.80	ppb
Rhodium	103-1				101		%
Rhodium	103-2				103		%
Scandium	45-1				103		%
Scandium	45-2				104		%
Selenium	77-2	1.25	-2.50	-2.50	-1.25		ppb
Selenium	78-2	0.61	0.60	0.61	0.60	1.19	ppb
Selenium	82-1	2.22	1.15	1.57	1.64	32.84	ppb
Silicon	28-1	1258.90	1247.28	1229.94	1245.37	1.17	ppb
Silver	109-1	0.00	-0.01	0.00	-0.01		ppb
Silver	107-1	-0.01	0.00	0.02	0.00	499.71	ppb
Sodium	23-2	16129.78	16860.88	16886.62	16625.76	2.58	ppb
Strontium	86-1	31.39	30.39	29.60	30.46	2.95	ppb
Strontium	88-1	30.76	30.49	30.56	30.60	0.46	ppb
Sulfur	34-1	-682.45	-883.22	-1377.16	-980.94		ppb
Terbium	159-1				103		%
Terbium	159-2				104		%
Thallium	203-1	-0.03	-0.04	-0.03	-0.04		ppb
Thallium	205-1	-0.03	-0.04	-0.03	-0.03		ppb
Tin	118-1	0.01	0.00	0.01	0.01	64.72	ppb
Titanium	47-1	0.19	0.10	0.15	0.15	27.95	ppb
Uranium	238-1	0.08	0.09	0.08	0.08	6.21	ppb
Vanadium	51-2	0.27	0.17	0.25	0.23	22.11	ppb
Yttrium	89-1				103		%
Yttrium	89-2				103		%
Zinc	66-2	2.44	2.37	2.35	2.39	1.98	ppb

LB Number :	LB100404	Operator :	Jaswal
Lab Sample ID :	K1089-12DLX5	Instrumnet Name :	P8
Client Sample ID :	EPA-MW-31-BR-0108201	Dilution Factor :	5
Date & Time Acquired ::	2019-01-18 17:59:59	DataFile Name :	029SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	90-1	0.01	0.01	0.01	0.01	22.91	ppb
Zirconium	91-1	0.06	-0.01	-0.01	0.01	350.01	ppb

LB Number :	LB100404	Operator :	Jaswal
Lab Sample ID :	K1089-16DLX5	Instrumnet Name :	P8
Client Sample ID :	EPA-MW-32-BR-0108201	Dilution Factor :	5
Date & Time Acquired ::	2019-01-18 18:03:32	DataFile Name :	030SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	2.10	0.05	1.35	1.16	88.79	ppb
Antimony	121-1	-0.01	0.01	0.01	0.00	238.99	ppb
Arsenic	75-2	0.28	0.14	0.13	0.18	45.97	ppb
Barium	135-1	36.88	37.06	39.06	37.67	3.20	ppb
Barium	137-1	36.76	36.58	38.36	37.24	2.64	ppb
Beryllium	9-1	0.00	-0.02	-0.01	-0.01		ppb
Bismuth	209-1				104		%
Bismuth	209-2				106		%
Boron	10-1	12.12	11.10	12.32	11.84	5.54	ppb
Boron	11-1	11.18	10.83	12.28	11.43	6.62	ppb
Cadmium	111-1	0.13	0.13	-0.01	0.09	93.99	ppb
Cadmium	106-1	1.58	1.42	-0.16	0.95	101.68	ppb
Cadmium	108-1	-0.04	-0.10	0.02	-0.04		ppb
Calcium	43-1	18071.00	17915.46	19318.25	18434.90	4.17	ppb
Calcium	44-1	18256.45	18006.52	19611.03	18624.67	4.64	ppb
Chromium	52-2	481.18	483.77	491.70	485.55	1.13	ppb
Cobalt	59-2	0.02	0.02	-0.01	0.01	132.99	ppb
Copper	63-2	0.11	0.08	0.17	0.12	37.57	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				104		%
Holmium	165-2				106		%
Indium	115-1				103		%
Indium	115-2				105		%
Iron	56-2	0.37	0.50	0.17	0.35	47.22	ppb
Iron	57-2	-0.78	-1.76	0.16	-0.79		ppb
Krypton	83-1						cps
Lead	206-1	0.00	-0.03	-0.03	-0.02		ppb
Lead	207-1	-0.06	-0.02	-0.03	-0.03		ppb
Lead	208-1	-0.03	-0.03	-0.03	-0.03		ppb
Lithium	6-1				109		%
Magnesium	24-2	4235.15	4321.50	4312.99	4289.88	1.11	ppb

LB Number :	LB100404	Operator :	Jaswal
Lab Sample ID :	K1089-16DLX5	Instrumnet Name :	P8
Client Sample ID :	EPA-MW-32-BR-0108201	Dilution Factor :	5
Date & Time Acquired ::	2019-01-18 18:03:32	DataFile Name :	030SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	0.17	0.09	0.13	0.13	30.25	ppb
Molybdenum	94-1	0.03	0.03	0.03	0.03	16.67	ppb
Molybdenum	95-1	0.02	0.07	0.10	0.06	60.18	ppb
Molybdenum	96-1	0.05	0.02	0.04	0.04	44.74	ppb
Molybdenum	97-1	0.12	0.11	0.17	0.13	23.54	ppb
Molybdenum	98-1	0.06	0.03	0.09	0.06	53.73	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.25	0.18	0.35	0.26	33.98	ppb
Phosphorus	31-2	-56.69	-19.64	-44.25	-40.19		ppb
Potassium	39-2	280.20	319.81	286.18	295.40	7.23	ppb
Rhodium	103-1				100		%
Rhodium	103-2				104		%
Scandium	45-1				102		%
Scandium	45-2				105		%
Selenium	77-2	1.18	-2.50	-2.50	-1.28		ppb
Selenium	78-2	-0.01	1.79	-0.01	0.59	176.53	ppb
Selenium	82-1	0.02	1.39	1.27	0.89	85.27	ppb
Silicon	28-1	1310.77	1310.43	1421.09	1347.43	4.73	ppb
Silver	109-1	-0.01	0.00	-0.01	-0.01		ppb
Silver	107-1	0.00	-0.01	0.00	-0.01		ppb
Sodium	23-2	17662.89	17553.38	18076.80	17764.36	1.55	ppb
Strontium	86-1	37.44	36.79	39.61	37.95	3.89	ppb
Strontium	88-1	37.02	37.41	39.36	37.93	3.31	ppb
Sulfur	34-1	-847.45	-588.41	1153.18	-94.23		ppb
Terbium	159-1				102		%
Terbium	159-2				106		%
Thallium	203-1	-0.04	-0.05	-0.04	-0.04		ppb
Thallium	205-1	-0.03	-0.03	-0.02	-0.03		ppb
Tin	118-1	0.01	0.00	0.03	0.02	83.16	ppb
Titanium	47-1	0.13	0.09	0.12	0.11	20.24	ppb
Uranium	238-1	0.12	0.11	0.11	0.11	3.09	ppb
Vanadium	51-2	0.23	0.37	0.28	0.29	23.64	ppb
Yttrium	89-1				101		%
Yttrium	89-2				104		%
Zinc	66-2	2.02	2.49	2.51	2.34	11.82	ppb

LB Number :	LB100404	Operator :	Jaswal
Lab Sample ID :	K1089-16DLX5	Instrumnet Name :	P8
Client Sample ID :	EPA-MW-32-BR-0108201	Dilution Factor :	5
Date & Time Acquired ::	2019-01-18 18:03:32	DataFile Name :	030SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	90-1	0.01	0.01	0.00	0.01	66.72	ppb
Zirconium	91-1	0.01	0.00	-0.02	0.00		ppb

LB Number : LB100404 Operator : Jaswal
 Lab Sample ID : K1089-20DLX100 Instrumnet Name : P8
 Client Sample ID : EPA-MW-37-OB-010820 Dilution Factor : 100
 Date & Time Acquired :: 2019-01-18 18:07:06 DataFile Name : 031SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	135.42	149.59	145.68	143.56	5.10	ppb
Antimony	121-1	0.06	0.06	0.04	0.05	18.66	ppb
Arsenic	75-2	0.21	0.41	0.19	0.27	43.31	ppb
Barium	135-1	0.64	0.66	0.74	0.68	7.99	ppb
Barium	137-1	0.82	0.73	0.76	0.77	5.85	ppb
Beryllium	9-1	0.01	0.00	-0.01	0.00	2979.63	ppb
Bismuth	209-1				106		%
Bismuth	209-2				107		%
Boron	10-1	7.50	5.53	6.47	6.50	15.15	ppb
Boron	11-1	6.02	6.55	5.85	6.14	5.97	ppb
Cadmium	111-1	0.02	-0.07	0.04	0.00		ppb
Cadmium	106-1	-0.02	-0.93	0.41	-0.18		ppb
Cadmium	108-1	-0.10	0.02	-0.10	-0.06		ppb
Calcium	43-1	41.59	37.39	38.52	39.17	5.55	ppb
Calcium	44-1	71.48	83.33	72.88	75.90	8.53	ppb
Chromium	52-2	561.76	555.95	538.33	552.01	2.21	ppb
Cobalt	59-2	0.07	0.04	0.07	0.06	26.12	ppb
Copper	63-2	3.73	3.70	3.45	3.63	4.16	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				106		%
Holmium	165-2				110		%
Indium	115-1				104		%
Indium	115-2				107		%
Iron	56-2	30.40	28.64	27.46	28.83	5.14	ppb
Iron	57-2	24.63	24.67	25.66	24.99	2.34	ppb
Krypton	83-1						cps
Lead	206-1	0.01	0.03	0.02	0.02	32.72	ppb
Lead	207-1	-0.02	-0.01	0.01	-0.01		ppb
Lead	208-1	0.00	0.02	0.00	0.01	231.60	ppb
Lithium	6-1				112		%
Magnesium	24-2	115.65	115.15	109.67	113.49	2.93	ppb

LB Number :	LB100404	Operator :	Jaswal
Lab Sample ID :	K1089-20DLX100	Instrumnet Name :	P8
Client Sample ID :	EPA-MW-37-OB-010820	Dilution Factor :	100
Date & Time Acquired ::	2019-01-18 18:07:06	DataFile Name :	031SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	5.00	5.27	4.71	4.99	5.55	ppb
Molybdenum	94-1	0.24	0.30	0.19	0.24	22.38	ppb
Molybdenum	95-1	0.30	0.28	0.35	0.31	11.86	ppb
Molybdenum	96-1	0.25	0.26	0.25	0.25	2.47	ppb
Molybdenum	97-1	0.33	0.28	0.29	0.30	9.07	ppb
Molybdenum	98-1	0.31	0.31	0.26	0.29	9.47	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	1.11	0.82	0.83	0.92	18.42	ppb
Phosphorus	31-2	53.76	-20.22	-9.19	8.12	491.74	ppb
Potassium	39-2	29.64	28.85	31.04	29.84	3.73	ppb
Rhodium	103-1				102		%
Rhodium	103-2				108		%
Scandium	45-1				103		%
Scandium	45-2				107		%
Selenium	77-2	-2.50	-2.50	-2.50	-2.50		ppb
Selenium	78-2	0.55	-0.01	1.12	0.55	102.46	ppb
Selenium	82-1	7.27	5.88	7.03	6.73	11.10	ppb
Silicon	28-1	122.68	151.76	125.29	133.24	12.07	ppb
Silver	109-1	0.19	0.21	0.22	0.21	7.24	ppb
Silver	107-1	0.20	0.20	0.18	0.19	7.02	ppb
Sodium	23-2	33625.07	32717.06	32357.02	32899.71	1.99	ppb
Strontium	86-1	0.91	1.04	0.90	0.95	8.15	ppb
Strontium	88-1	0.81	0.87	0.83	0.84	3.55	ppb
Sulfur	34-1	-2484.51	-890.70	-2728.89	-2034.70		ppb
Terbium	159-1				105		%
Terbium	159-2				109		%
Thallium	203-1	-0.04	-0.03	-0.04	-0.04		ppb
Thallium	205-1	-0.03	-0.03	-0.03	-0.03		ppb
Tin	118-1	0.04	0.04	0.01	0.03	50.79	ppb
Titanium	47-1	0.15	0.18	0.20	0.18	13.66	ppb
Uranium	238-1	0.04	0.04	0.04	0.04	9.53	ppb
Vanadium	51-2	0.32	0.31	0.26	0.30	11.94	ppb
Yttrium	89-1				104		%
Yttrium	89-2				107		%
Zinc	66-2	0.79	1.12	1.01	0.97	17.27	ppb

LB Number :	LB100404	Operator :	Jaswal
Lab Sample ID :	K1089-20DLX100	Instrumnet Name :	P8
Client Sample ID :	EPA-MW-37-OB-010820	Dilution Factor :	100
Date & Time Acquired ::	2019-01-18 18:07:06	DataFile Name :	031SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	90-1	0.06	0.06	0.05	0.06	8.57	ppb
Zirconium	91-1	0.05	0.06	0.03	0.05	32.92	ppb

LB Number : LB100404 Operator : Jaswal
 Lab Sample ID : K1089-22DLX5 Instrumnet Name : P8
 Client Sample ID : EPA-MW-38-BR-0108201 Dilution Factor : 5
 Date & Time Acquired :: 2019-01-18 18:10:41 DataFile Name : 032SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	5.89	2.85	6.52	5.08	38.57	ppb
Antimony	121-1	0.02	0.03	0.01	0.02	51.05	ppb
Arsenic	75-2	0.03	0.17	0.11	0.10	67.36	ppb
Barium	135-1	34.49	33.95	33.98	34.14	0.89	ppb
Barium	137-1	33.72	34.14	33.52	33.79	0.94	ppb
Beryllium	9-1	-0.02	-0.02	0.03	0.00		ppb
Bismuth	209-1				110		%
Bismuth	209-2				109		%
Boron	10-1	9.71	11.81	9.67	10.40	11.77	ppb
Boron	11-1	11.43	11.11	11.11	11.22	1.67	ppb
Cadmium	111-1	-0.06	0.03	-0.09	-0.04		ppb
Cadmium	106-1	-0.85	0.32	-1.01	-0.51		ppb
Cadmium	108-1	-0.04	-0.04	0.12	0.01	795.93	ppb
Calcium	43-1	15747.90	15982.49	16061.55	15930.65	1.02	ppb
Calcium	44-1	15920.31	16267.34	16228.60	16138.75	1.18	ppb
Chromium	52-2	404.28	415.33	414.63	411.41	1.50	ppb
Cobalt	59-2	-0.01	0.01	0.01	0.00	228.58	ppb
Copper	63-2	0.18	0.25	0.31	0.25	27.10	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				108		%
Holmium	165-2				110		%
Indium	115-1				107		%
Indium	115-2				107		%
Iron	56-2	0.55	1.23	0.91	0.90	37.72	ppb
Iron	57-2	-1.25	-3.60	-0.30	-1.72		ppb
Krypton	83-1						cps
Lead	206-1	-0.02	0.00	-0.02	-0.01		ppb
Lead	207-1	-0.01	-0.02	-0.04	-0.02		ppb
Lead	208-1	-0.02	-0.01	-0.02	-0.02		ppb
Lithium	6-1				114		%
Magnesium	24-2	3162.80	3211.75	3281.43	3218.66	1.85	ppb

LB Number :	LB100404	Operator :	Jaswal
Lab Sample ID :	K1089-22DLX5	Instrumnet Name :	P8
Client Sample ID :	EPA-MW-38-BR-0108201	Dilution Factor :	5
Date & Time Acquired ::	2019-01-18 18:10:41	DataFile Name :	032SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	1.85	1.88	1.92	1.88	1.98	ppb
Molybdenum	94-1	0.31	0.34	0.35	0.33	5.96	ppb
Molybdenum	95-1	0.53	0.51	0.53	0.52	1.59	ppb
Molybdenum	96-1	0.45	0.48	0.59	0.51	14.20	ppb
Molybdenum	97-1	0.62	0.58	0.70	0.63	9.35	ppb
Molybdenum	98-1	0.55	0.48	0.64	0.56	14.52	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.27	0.39	0.38	0.35	20.14	ppb
Phosphorus	31-2	-8.72	-31.94	-44.37	-28.34		ppb
Potassium	39-2	364.42	366.87	396.39	375.89	4.73	ppb
Rhodium	103-1				104		%
Rhodium	103-2				106		%
Scandium	45-1				106		%
Scandium	45-2				106		%
Selenium	77-2	-2.50	-2.50	1.12	-1.29		ppb
Selenium	78-2	1.14	1.17	2.93	1.75	58.64	ppb
Selenium	82-1	0.96	-0.07	0.96	0.62	96.13	ppb
Silicon	28-1	1268.62	1293.33	1300.54	1287.50	1.30	ppb
Silver	109-1	-0.02	-0.01	-0.03	-0.02		ppb
Silver	107-1	-0.01	-0.02	-0.02	-0.02		ppb
Sodium	23-2	17127.39	17648.18	17685.16	17486.91	1.78	ppb
Strontium	86-1	25.65	26.50	26.28	26.14	1.70	ppb
Strontium	88-1	25.89	25.21	25.83	25.64	1.47	ppb
Sulfur	34-1	-1616.55	-1599.09	-1522.28	-1579.31		ppb
Terbium	159-1				107		%
Terbium	159-2				109		%
Thallium	203-1	-0.04	-0.04	-0.05	-0.04		ppb
Thallium	205-1	-0.03	-0.02	-0.03	-0.03		ppb
Tin	118-1	0.02	0.04	0.04	0.03	45.29	ppb
Titanium	47-1	0.11	0.13	0.19	0.14	27.69	ppb
Uranium	238-1	0.04	0.05	0.05	0.05	7.94	ppb
Vanadium	51-2	0.32	0.25	0.34	0.30	15.63	ppb
Yttrium	89-1				105		%
Yttrium	89-2				106		%
Zinc	66-2	1.48	1.34	1.79	1.54	14.88	ppb

LB Number :	LB100404	Operator :	Jaswal
Lab Sample ID :	K1089-22DLX5	Instrumnet Name :	P8
Client Sample ID :	EPA-MW-38-BR-0108201	Dilution Factor :	5
Date & Time Acquired ::	2019-01-18 18:10:41	DataFile Name :	032SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	90-1	0.01	0.01	0.01	0.01	45.04	ppb
Zirconium	91-1	-0.01	-0.02	-0.02	-0.02		ppb

LB Number :	LB100404	Operator :	Jaswal
Lab Sample ID :	CCV49	Instrumnet Name :	P8
Client Sample ID :	CCV49	Dilution Factor :	1
Date & Time Acquired ::	2019-01-18 18:14:14	DataFile Name :	033SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	55296.66	51076.42	50702.29	52358.46	4.87	ppb
Antimony	121-1	496.11	504.11	497.10	499.11	0.87	ppb
Arsenic	75-2	527.49	497.03	489.21	504.58	4.01	ppb
Barium	135-1	2517.54	2525.65	2467.37	2503.52	1.26	ppb
Barium	137-1	2495.10	2578.49	2507.08	2526.89	1.78	ppb
Beryllium	9-1	500.98	509.89	494.12	501.66	1.58	ppb
Bismuth	209-1				107		%
Bismuth	209-2				106		%
Boron	10-1	481.30	501.00	487.44	489.91	2.06	ppb
Boron	11-1	482.64	504.80	492.06	493.17	2.25	ppb
Cadmium	111-1	484.36	496.14	483.55	488.01	1.44	ppb
Cadmium	106-1	485.11	485.38	480.82	483.77	0.53	ppb
Cadmium	108-1	479.79	497.38	486.62	487.93	1.82	ppb
Calcium	43-1	230528.98	233888.45	226008.24	230141.89	1.72	ppb
Calcium	44-1	228180.48	236151.53	226567.44	230299.82	2.23	ppb
Chromium	52-2	554.62	509.04	501.94	521.87	5.48	ppb
Cobalt	59-2	537.86	493.53	493.22	508.20	5.05	ppb
Copper	63-2	1062.69	967.73	966.39	998.94	5.53	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				111		%
Holmium	165-2				111		%
Indium	115-1				105		%
Indium	115-2				103		%
Iron	56-2	131119.33	121011.47	120301.50	124144.10	4.87	ppb
Iron	57-2	132471.75	122675.36	121766.87	125637.99	4.72	ppb
Krypton	83-1						cps
Lead	206-1	504.67	525.15	506.65	512.15	2.21	ppb
Lead	207-1	511.92	535.03	512.10	519.68	2.56	ppb
Lead	208-1	514.34	534.46	512.05	520.28	2.37	ppb
Lithium	6-1				119		%
Magnesium	24-2	266070.41	245209.80	243259.32	251513.18	5.03	ppb

LB Number :	LB100404	Operator :	Jaswal
Lab Sample ID :	CCV49	Instrumnet Name :	P8
Client Sample ID :	CCV49	Dilution Factor :	1
Date & Time Acquired ::	2019-01-18 18:14:14	DataFile Name :	033SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	1089.78	1005.51	995.20	1030.16	5.04	ppb
Molybdenum	94-1	2566.07	2680.31	2598.46	2614.94	2.25	ppb
Molybdenum	95-1	2572.26	2665.41	2554.44	2597.37	2.29	ppb
Molybdenum	96-1	2568.46	2640.91	2543.87	2584.41	1.95	ppb
Molybdenum	97-1	2585.87	2659.99	2565.87	2603.91	1.90	ppb
Molybdenum	98-1	2550.43	2611.73	2543.24	2568.47	1.47	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	547.77	501.88	497.69	515.78	5.39	ppb
Phosphorus	31-2	11311.73	10433.89	9747.74	10497.79	7.47	ppb
Potassium	39-2	134366.00	121598.42	120513.49	125492.64	6.14	ppb
Rhodium	103-1				102		%
Rhodium	103-2				102		%
Scandium	45-1				108		%
Scandium	45-2				108		%
Selenium	77-2	609.33	465.53	459.90	511.59	16.56	ppb
Selenium	78-2	521.28	500.84	510.10	510.74	2.00	ppb
Selenium	82-1	504.38	521.91	507.63	511.31	1.82	ppb
Silicon	28-1	468.09	480.07	460.43	469.53	2.11	ppb
Silver	109-1	479.01	494.30	474.71	482.67	2.13	ppb
Silver	107-1	474.44	493.80	483.80	484.02	2.00	ppb
Sodium	23-2	265359.39	240995.95	240680.86	249012.07	5.69	ppb
Strontium	86-1	515.87	525.36	509.89	517.04	1.51	ppb
Strontium	88-1	517.44	530.83	518.23	522.17	1.44	ppb
Sulfur	34-1	8060.31	8685.16	6899.74	7881.74	11.50	ppb
Terbium	159-1				111		%
Terbium	159-2				110		%
Thallium	203-1	503.42	522.74	498.70	508.29	2.51	ppb
Thallium	205-1	523.73	536.90	516.28	525.64	1.99	ppb
Tin	118-1	481.64	505.14	486.82	491.20	2.51	ppb
Titanium	47-1	2521.56	2615.92	2515.33	2550.94	2.21	ppb
Uranium	238-1	528.38	543.58	531.46	534.48	1.50	ppb
Vanadium	51-2	550.37	500.20	498.02	516.20	5.74	ppb
Yttrium	89-1				106		%
Yttrium	89-2				107		%
Zinc	66-2	1089.98	987.94	990.65	1022.86	5.68	ppb

LB Number :	LB100404	Operator :	Jaswal
Lab Sample ID :	CCV49	Instrumnet Name :	P8
Client Sample ID :	CCV49	Dilution Factor :	1
Date & Time Acquired ::	2019-01-18 18:14:14	DataFile Name :	033SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	90-1	518.73	535.92	513.91	522.85	2.21	ppb
Zirconium	91-1	504.25	525.04	503.20	510.83	2.41	ppb

LB Number : LB100404 Operator : Jaswal
 Lab Sample ID : CCB49 Instrumnet Name : P8
 Client Sample ID : CCB49 Dilution Factor : 1
 Date & Time Acquired :: 2019-01-18 18:18:49 DataFile Name : 034CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	0.97	0.28	2.20	1.15	84.65	ppb
Antimony	121-1	0.18	0.19	0.21	0.19	8.55	ppb
Arsenic	75-2	0.04	0.03	0.02	0.03	38.68	ppb
Barium	135-1	-0.01	-0.01	-0.01	-0.01		ppb
Barium	137-1	0.00	0.00	0.00	0.00	579.31	ppb
Beryllium	9-1	0.04	0.04	0.03	0.03	17.10	ppb
Bismuth	209-1				110		%
Bismuth	209-2				110		%
Boron	10-1	5.14	5.91	5.17	5.41	8.02	ppb
Boron	11-1	5.56	4.92	4.96	5.15	6.97	ppb
Cadmium	111-1	-0.01	0.00	-0.01	-0.01		ppb
Cadmium	106-1	-0.01	-0.08	0.07	-0.01		ppb
Cadmium	108-1	0.01	0.06	0.13	0.07	86.68	ppb
Calcium	43-1	-2.82	1.89	3.77	0.95	359.18	ppb
Calcium	44-1	22.06	16.58	29.05	22.56	27.69	ppb
Chromium	52-2	-0.33	-0.14	-0.27	-0.25		ppb
Cobalt	59-2	0.00	0.00	-0.02	-0.01		ppb
Copper	63-2	-0.04	0.01	0.01	-0.01		ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				107		%
Holmium	165-2				110		%
Indium	115-1				106		%
Indium	115-2				109		%
Iron	56-2	-0.66	-0.32	0.14	-0.28		ppb
Iron	57-2	-1.38	-2.95	0.81	-1.18		ppb
Krypton	83-1						cps
Lead	206-1	0.12	0.06	0.12	0.10	34.21	ppb
Lead	207-1	0.12	0.10	0.13	0.12	13.38	ppb
Lead	208-1	0.11	0.09	0.11	0.10	8.06	ppb
Lithium	6-1				117		%
Magnesium	24-2	-1.04	0.02	-3.18	-1.40		ppb

LB Number :	LB100404	Operator :	Jaswal
Lab Sample ID :	CCB49	Instrumnet Name :	P8
Client Sample ID :	CCB49	Dilution Factor :	1
Date & Time Acquired ::	2019-01-18 18:18:49	DataFile Name :	034CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	-0.06	-0.01	-0.19	-0.09		ppb
Molybdenum	94-1	0.10	0.08	0.14	0.11	27.47	ppb
Molybdenum	95-1	0.09	0.09	0.12	0.10	15.74	ppb
Molybdenum	96-1	0.11	0.15	0.10	0.12	22.45	ppb
Molybdenum	97-1	0.15	0.15	0.19	0.16	13.83	ppb
Molybdenum	98-1	0.06	0.08	0.09	0.08	20.10	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	-0.07	0.01	0.06	0.00		ppb
Phosphorus	31-2	-21.28	-20.15	-44.37	-28.60		ppb
Potassium	39-2	2.60	6.78	7.66	5.68	47.61	ppb
Rhodium	103-1				105		%
Rhodium	103-2				108		%
Scandium	45-1				105		%
Scandium	45-2				107		%
Selenium	77-2	-2.50	-2.50	-2.50	-2.50		ppb
Selenium	78-2	-0.06	-0.61	-0.01	-0.23		ppb
Selenium	82-1	0.64	0.48	0.09	0.40	69.42	ppb
Silicon	28-1	-2.26	-4.10	-0.67	-2.34		ppb
Silver	109-1	0.05	0.07	0.08	0.07	18.46	ppb
Silver	107-1	0.08	0.04	0.08	0.07	29.11	ppb
Sodium	23-2	229.74	249.57	252.31	243.87	5.05	ppb
Strontium	86-1	-0.01	-0.09	0.02	-0.03		ppb
Strontium	88-1	0.00	0.00	0.00	0.00	2581.69	ppb
Sulfur	34-1	-4821.44	-5228.01	-4013.19	-4687.55		ppb
Terbium	159-1				107		%
Terbium	159-2				110		%
Thallium	203-1	-0.03	-0.01	-0.04	-0.03		ppb
Thallium	205-1	-0.02	-0.02	-0.02	-0.02		ppb
Tin	118-1	0.04	0.06	0.02	0.04	44.96	ppb
Titanium	47-1	0.04	0.04	0.05	0.04	10.74	ppb
Uranium	238-1	0.00	0.01	0.00	0.00	147.71	ppb
Vanadium	51-2	-0.01	-0.01	-0.01	-0.01		ppb
Yttrium	89-1				105		%
Yttrium	89-2				107		%
Zinc	66-2	0.11	0.12	-0.05	0.06	152.14	ppb

LB Number :	LB100404	Operator :	Jaswal
Lab Sample ID :	CCB49	Instrumnet Name :	P8
Client Sample ID :	CCB49	Dilution Factor :	1
Date & Time Acquired ::	2019-01-18 18:18:49	DataFile Name :	034CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	90-1	0.03	0.02	0.01	0.02	60.42	ppb
Zirconium	91-1	0.01	-0.02	-0.01	-0.01		ppb

LB Number :	LB100404	Operator :	Jaswal
Lab Sample ID :	S0	Instrumnet Name :	P8
Client Sample ID :	S0	Dilution Factor :	1
Date & Time Acquired ::	2019-01-18 15:29:16	DataFile Name :	003CALB.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	43	50	43	45	9.62	cps
Antimony	121-1	67	83	133	94	36.73	cps
Arsenic	75-2	7	6	7	7	15.72	cps
Barium	135-1	25	33	17	25	33.32	cps
Barium	137-1	42	25	8	25	66.68	cps
Beryllium	9-1	27	23	23	24	7.89	cps
Bismuth	209-1	1431830	1394589	1463470	1429963	2.41	cps
Bismuth	209-2	733953	749842	765662	749819	2.11	cps
Boron	10-1	83	125	58	89	37.89	cps
Boron	11-1	450	550	408	469	15.51	cps
Cadmium	111-1	498	578	576	551	8.24	cps
Cadmium	106-1	708	800	825	778	7.90	cps
Cadmium	108-1	8	4	8	7	34.59	cps
Calcium	43-1	333	327	350	337	3.57	cps
Calcium	44-1	37694	37564	37493	37584	0.27	cps
Chromium	52-2	1990	1907	2064	1987	3.95	cps
Cobalt	59-2	97	80	93	90	9.80	cps
Copper	63-2	590	523	567	560	6.04	cps
Dysprosium	156-1	8	17	8	11	43.34	cps
Dysprosium	156-2	0	7	0	2	173.21	cps
Erbium	164-1	0	17	25	14	91.65	cps
Erbium	164-2	7	3	3	4	43.40	cps
Gadolinium	160-1	42	17	33	31	41.66	cps
Gadolinium	160-2	3	3	3	3	0.00	cps
Holmium	165-1	2567525	2516044	2653976	2579182	2.70	cps
Holmium	165-2	1001721	1029323	1029225	1020089	1.56	cps
Indium	115-1	2659158	2600290	2716235	2658561	2.18	cps
Indium	115-2	215057	221855	221236	219383	1.71	cps
Iron	56-2	3978	3934	3817	3910	2.13	cps
Iron	57-2	133	122	139	131	6.45	cps
Krypton	83-1	627	633	613	624	1.63	cps
Lead	206-1	139	144	133	139	4.00	cps
Lead	207-1	150	139	183	157	14.69	cps
Lead	208-1	594	622	650	622	4.46	cps
Lithium	6-1	407089	407477	416576	410381	1.31	cps
Magnesium	24-2	383	425	392	400	5.51	cps

LB Number :	LB100404	Operator :	Jaswal
Lab Sample ID :	S0	Instrumnet Name :	P8
Client Sample ID :	S0	Dilution Factor :	1
Date & Time Acquired ::	2019-01-18 15:29:16	DataFile Name :	003CALB.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	113	107	73	98	21.92	cps
Molybdenum	94-1	100	158	108	122	25.81	cps
Molybdenum	95-1	8	33	67	36	81.06	cps
Molybdenum	96-1	58	83	83	75	19.24	cps
Molybdenum	97-1	242	167	125	178	33.25	cps
Molybdenum	98-1	75	58	92	75	22.22	cps
Neodymium	150-1	7	13	0	7	99.98	cps
Neodymium	150-2	0	0	0	0	0.00	cps
Nickel	60-2	113	80	87	93	18.90	cps
Phosphorus	31-2	25	0	17	14	91.65	cps
Potassium	39-2	6185	5985	6010	6060	1.80	cps
Rhodium	103-1	2770209	2751952	2858199	2793453	2.03	cps
Rhodium	103-2	1100784	1142785	1149310	1130960	2.33	cps
Scandium	45-1	2520087	2467005	2562939	2516677	1.91	cps
Scandium	45-2	31592	32274	32558	32141	1.54	cps
Selenium	77-2	0	0	7	2	173.21	cps
Selenium	78-2	0	2	4	2	100.00	cps
Selenium	82-1	-65	-114	-74	-84	-30.79	cps
Silicon	28-1	347334	344142	345996	345824	0.46	cps
Silver	109-1	150	183	92	142	32.75	cps
Silver	107-1	167	183	125	158	18.97	cps
Sodium	23-2	11147	11438	11063	11216	1.76	cps
Strontium	86-1	883	850	775	836	6.64	cps
Strontium	88-1	33	67	33	44	43.31	cps
Sulfur	34-1	556968	545056	543266	548430	1.36	cps
Terbium	159-1	2783854	2742552	2870257	2798888	2.33	cps
Terbium	159-2	1028740	1056972	1056477	1047396	1.54	cps
Thallium	203-1	58	208	92	119	65.94	cps
Thallium	205-1	233	217	208	219	5.80	cps
Tin	118-1	183	217	167	189	13.48	cps
Titanium	47-1	108	92	92	97	9.90	cps
Uranium	238-1	25	42	33	33	25.01	cps
Vanadium	51-2	13	17	27	19	36.75	cps
Yttrium	89-1	3304758	3255531	3367408	3309232	1.69	cps
Yttrium	89-2	177623	184146	187106	182958	2.65	cps
Zinc	66-2	23	53	30	36	44.31	cps

LB Number :	LB100404	Operator :	Jaswal
Lab Sample ID :	S0	Instrumnet Name :	P8
Client Sample ID :	S0	Dilution Factor :	1
Date & Time Acquired ::	2019-01-18 15:29:16	DataFile Name :	003CALB.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	90-1	242	217	167	208	18.33	cps
Zirconium	91-1	50	83	75	69	24.98	cps

LB Number : LB100404 Operator : Jaswal
 Lab Sample ID : S2 Instrumnet Name : P8
 Client Sample ID : S2 Dilution Factor : 1
 Date & Time Acquired :: 2019-01-18 15:36:51 DataFile Name : 005CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	203	163	210	192	13.32	cps
Antimony	121-1	7144	7853	7861	7619	5.40	cps
Arsenic	75-2	124	146	93	121	22.31	cps
Barium	135-1	7944	7944	8228	8039	2.04	cps
Barium	137-1	13274	13441	12782	13165	2.60	cps
Beryllium	9-1	870	883	893	882	1.33	cps
Bismuth	209-1	1421272	1412464	1450200	1427979	1.38	cps
Bismuth	209-2	736165	744306	746477	742316	0.73	cps
Boron	10-1	2884	3125	2867	2959	4.89	cps
Boron	11-1	14575	14141	14725	14480	2.09	cps
Cadmium	111-1	1642	1650	1720	1671	2.56	cps
Cadmium	106-1	1033	950	983	989	4.24	cps
Cadmium	108-1	63	88	63	71	20.38	cps
Calcium	43-1	7145	7405	7285	7279	1.79	cps
Calcium	44-1	149741	149373	149077	149397	0.22	cps
Chromium	52-2	3587	3644	3794	3675	2.91	cps
Cobalt	59-2	1760	1773	1680	1738	2.91	cps
Copper	63-2	3447	3420	3324	3397	1.91	cps
Dysprosium	156-1	25	42	67	44	47.19	cps
Dysprosium	156-2	3	0	7	3	100.05	cps
Erbium	164-1	8	17	42	22	78.07	cps
Erbium	164-2	3	7	7	6	34.70	cps
Gadolinium	160-1	33	17	17	22	43.28	cps
Gadolinium	160-2	13	7	7	9	43.25	cps
Holmium	165-1	2531992	2500860	2577801	2536884	1.53	cps
Holmium	165-2	1005551	1014313	1029767	1016544	1.21	cps
Indium	115-1	2633434	2569507	2665875	2622939	1.87	cps
Indium	115-2	214277	220296	217772	217448	1.39	cps
Iron	56-2	35585	35301	34471	35119	1.65	cps
Iron	57-2	750	761	856	789	7.35	cps
Krypton	83-1	483	633	563	560	13.40	cps
Lead	206-1	2084	2078	1900	2021	5.16	cps
Lead	207-1	1845	1911	1789	1848	3.31	cps
Lead	208-1	8585	8651	8029	8422	4.06	cps
Lithium	6-1	417025	408741	418448	414738	1.26	cps
Magnesium	24-2	17111	17128	17695	17311	1.92	cps

LB Number :	LB100404	Operator :	Jaswal
Lab Sample ID :	S2	Instrumnet Name :	P8
Client Sample ID :	S2	Dilution Factor :	1
Date & Time Acquired ::	2019-01-18 15:36:51	DataFile Name :	005CAL.S.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	363	350	357	357	1.87	cps
Molybdenum	94-1	8044	8386	7577	8003	5.07	cps
Molybdenum	95-1	9862	9545	9904	9771	2.01	cps
Molybdenum	96-1	10730	11230	10346	10769	4.12	cps
Molybdenum	97-1	6335	6285	6510	6377	1.85	cps
Molybdenum	98-1	15401	15393	15518	15437	0.45	cps
Neodymium	150-1	7	13	20	13	49.99	cps
Neodymium	150-2	0	0	0	0	0.00	cps
Nickel	60-2	577	647	623	616	5.79	cps
Phosphorus	31-2	25	92	58	58	57.14	cps
Potassium	39-2	15801	15784	16235	15940	1.60	cps
Rhodium	103-1	2790912	2701764	2842657	2778444	2.57	cps
Rhodium	103-2	1104426	1126863	1145288	1125526	1.82	cps
Scandium	45-1	2543543	2479647	2538361	2520517	1.41	cps
Scandium	45-2	31850	31181	32464	31832	2.02	cps
Selenium	77-2	3	3	3	3	0.00	cps
Selenium	78-2	20	33	17	23	37.30	cps
Selenium	82-1	472	335	400	402	17.12	cps
Silicon	28-1	386856	385131	383376	385121	0.45	cps
Silver	109-1	4934	4484	4709	4709	4.78	cps
Silver	107-1	5268	5060	4734	5021	5.36	cps
Sodium	23-2	48701	49153	49136	48996	0.52	cps
Strontium	86-1	2092	2167	2150	2136	1.84	cps
Strontium	88-1	10379	10630	10446	10485	1.24	cps
Sulfur	34-1	558200	554488	553852	555513	0.42	cps
Terbium	159-1	2778350	2717683	2785097	2760377	1.35	cps
Terbium	159-2	1023213	1037279	1042627	1034373	0.97	cps
Thallium	203-1	3067	2742	3067	2959	6.34	cps
Thallium	205-1	7303	7252	7920	7492	4.96	cps
Tin	118-1	14008	13808	14383	14066	2.08	cps
Titanium	47-1	3759	3534	4009	3767	6.31	cps
Uranium	238-1	5843	5326	5543	5571	4.66	cps
Vanadium	51-2	3264	3100	3174	3179	2.57	cps
Yttrium	89-1	3237160	3284523	3310685	3277456	1.14	cps
Yttrium	89-2	177039	179973	184387	180466	2.05	cps
Zinc	66-2	347	370	300	339	10.52	cps

LB Number :	LB100404	Operator :	Jaswal
Lab Sample ID :	S2	Instrumnet Name :	P8
Client Sample ID :	S2	Dilution Factor :	1
Date & Time Acquired ::	2019-01-18 15:36:51	DataFile Name :	005CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	90-1	7052	6752	6060	6621	7.68	cps
Zirconium	91-1	1433	1292	1500	1408	7.56	cps

LB Number :	LB100404	Operator :	Jaswal
Lab Sample ID :	S3	Instrumnet Name :	P8
Client Sample ID :	S3	Dilution Factor :	1
Date & Time Acquired ::	2019-01-18 15:40:49	DataFile Name :	006CAL.S.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	8159	8225	8062	8149	1.00	cps
Antimony	121-1	208515	206554	209937	208335	0.82	cps
Arsenic	75-2	5977	5998	5935	5970	0.54	cps
Barium	135-1	205827	202190	203011	203676	0.94	cps
Barium	137-1	350438	350648	352670	351252	0.35	cps
Beryllium	9-1	45191	45515	44749	45152	0.85	cps
Bismuth	209-1	1508732	1430295	1367221	1435416	4.94	cps
Bismuth	209-2	781152	763909	789124	778062	1.66	cps
Boron	10-1	6035	6135	6844	6338	6.96	cps
Boron	11-1	32037	31962	32747	32248	1.34	cps
Cadmium	111-1	50876	50476	50617	50656	0.40	cps
Cadmium	106-1	6010	6235	5927	6057	2.63	cps
Cadmium	108-1	3488	3788	3738	3671	4.38	cps
Calcium	43-1	74356	74399	74299	74351	0.07	cps
Calcium	44-1	1224170	1251344	1250192	1241902	1.24	cps
Chromium	52-2	47568	47240	46608	47138	1.04	cps
Cobalt	59-2	87107	86962	86349	86806	0.46	cps
Copper	63-2	145075	147409	144277	145587	1.12	cps
Dysprosium	156-1	0	0	0	0	0.00	cps
Dysprosium	156-2	0	3	0	1	173.21	cps
Erbium	164-1	42	17	8	22	78.07	cps
Erbium	164-2	10	7	0	6	91.64	cps
Gadolinium	160-1	25	25	33	28	17.31	cps
Gadolinium	160-2	13	7	7	9	43.25	cps
Holmium	165-1	2665263	2539938	2477653	2560951	3.73	cps
Holmium	165-2	1070592	1044179	1077038	1063936	1.64	cps
Indium	115-1	2737263	2625210	2532068	2631514	3.90	cps
Indium	115-2	226461	220571	228940	225324	1.91	cps
Iron	56-2	1571697	1564776	1587325	1574599	0.73	cps
Iron	57-2	39256	39089	39345	39230	0.33	cps
Krypton	83-1	630	640	703	658	6.05	cps
Lead	206-1	86683	88854	87835	87791	1.24	cps
Lead	207-1	79873	79901	79325	79699	0.41	cps
Lead	208-1	353043	356521	358172	355912	0.74	cps
Lithium	6-1	431576	418404	406347	418775	3.01	cps
Magnesium	24-2	191447	192082	188610	190713	0.97	cps

LB Number :	LB100404	Operator :	Jaswal
Lab Sample ID :	S3	Instrumnet Name :	P8
Client Sample ID :	S3	Dilution Factor :	1
Date & Time Acquired ::	2019-01-18 15:40:49	DataFile Name :	006CAL.S.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	28012	28172	27490	27891	1.28	cps
Molybdenum	94-1	416026	410204	412247	412826	0.72	cps
Molybdenum	95-1	502703	504248	503941	503631	0.16	cps
Molybdenum	96-1	549702	552138	557207	553016	0.69	cps
Molybdenum	97-1	306625	310257	310174	309019	0.67	cps
Molybdenum	98-1	787162	789428	793891	790160	0.43	cps
Neodymium	150-1	47	7	0	18	141.96	cps
Neodymium	150-2	3	0	7	3	100.05	cps
Nickel	60-2	25487	25898	26068	25817	1.16	cps
Phosphorus	31-2	750	817	717	761	6.69	cps
Potassium	39-2	58648	59879	59410	59312	1.05	cps
Rhodium	103-1	2896791	2758755	2683427	2779658	3.89	cps
Rhodium	103-2	1163734	1132460	1166003	1154066	1.62	cps
Scandium	45-1	2637543	2478417	2392160	2502707	4.97	cps
Scandium	45-2	33423	32187	33310	32973	2.07	cps
Selenium	77-2	40	50	63	51	22.90	cps
Selenium	78-2	169	167	178	171	3.48	cps
Selenium	82-1	3903	3948	3851	3901	1.26	cps
Silicon	28-1	559566	561253	561847	560888	0.21	cps
Silver	109-1	226792	228526	226774	227364	0.44	cps
Silver	107-1	243667	244519	246355	244847	0.56	cps
Sodium	23-2	431328	423822	422829	425993	1.09	cps
Strontium	86-1	65617	66479	64930	65675	1.18	cps
Strontium	88-1	556354	564730	564046	561710	0.83	cps
Sulfur	34-1	576473	580031	579381	578628	0.33	cps
Terbium	159-1	2935941	2741124	2656261	2777775	5.16	cps
Terbium	159-2	1088946	1067006	1104575	1086842	1.74	cps
Thallium	203-1	108300	110772	109326	109466	1.13	cps
Thallium	205-1	255857	257960	257202	257006	0.41	cps
Tin	118-1	138940	141516	140750	140402	0.94	cps
Titanium	47-1	183536	184206	183657	183800	0.19	cps
Uranium	238-1	306367	314859	310517	310581	1.37	cps
Vanadium	51-2	33189	31840	32307	32446	2.11	cps
Yttrium	89-1	3443995	3224391	3135617	3268001	4.86	cps
Yttrium	89-2	188790	184207	189299	187432	1.50	cps
Zinc	66-2	16460	16450	16170	16360	1.01	cps

LB Number :	LB100404	Operator :	Jaswal
Lab Sample ID :	S3	Instrumnet Name :	P8
Client Sample ID :	S3	Dilution Factor :	1
Date & Time Acquired ::	2019-01-18 15:40:49	DataFile Name :	006CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	90-1	350702	345988	350761	349151	0.78	cps
Zirconium	91-1	76063	77027	76029	76373	0.74	cps

LB Number :	LB100404	Operator :	Jaswal
Lab Sample ID :	S4	Instrumnet Name :	P8
Client Sample ID :	S4	Dilution Factor :	1
Date & Time Acquired ::	2019-01-18 15:44:45	DataFile Name :	007CAL.S.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	20069	20287	20245	20200	0.57	cps
Antimony	121-1	532548	533885	530359	532264	0.33	cps
Arsenic	75-2	15001	15527	14993	15174	2.02	cps
Barium	135-1	520674	518974	513283	517643	0.75	cps
Barium	137-1	899435	890205	897851	895830	0.55	cps
Beryllium	9-1	117807	117119	116286	117071	0.65	cps
Bismuth	209-1	1493735	1456497	1433443	1461225	2.08	cps
Bismuth	209-2	742892	791565	832246	788901	5.67	cps
Boron	10-1	15943	15759	15759	15821	0.67	cps
Boron	11-1	79799	82094	82069	81321	1.62	cps
Cadmium	111-1	127388	127913	129014	128105	0.65	cps
Cadmium	106-1	14809	15042	14317	14723	2.52	cps
Cadmium	108-1	9408	9533	9145	9362	2.11	cps
Calcium	43-1	186934	187369	189173	187825	0.63	cps
Calcium	44-1	3054243	3073138	3098295	3075225	0.72	cps
Chromium	52-2	112638	113650	112857	113048	0.47	cps
Cobalt	59-2	218344	217429	218340	218038	0.24	cps
Copper	63-2	361415	361617	360174	361069	0.22	cps
Dysprosium	156-1	58	8	17	28	96.44	cps
Dysprosium	156-2	0	3	3	2	86.60	cps
Erbium	164-1	50	33	17	33	49.99	cps
Erbium	164-2	10	0	7	6	91.64	cps
Gadolinium	160-1	33	50	17	33	49.99	cps
Gadolinium	160-2	7	10	10	9	21.63	cps
Holmium	165-1	2666780	2590496	2553015	2603431	2.23	cps
Holmium	165-2	1011613	1076601	1142591	1076935	6.08	cps
Indium	115-1	2690709	2589118	2614376	2631401	2.01	cps
Indium	115-2	212027	227602	239195	226275	6.02	cps
Iron	56-2	3936373	3902465	3888836	3909225	0.63	cps
Iron	57-2	97249	97327	97584	97387	0.18	cps
Krypton	83-1	623	687	637	649	5.15	cps
Lead	206-1	224807	224435	222104	223782	0.65	cps
Lead	207-1	202480	201473	202723	202225	0.33	cps
Lead	208-1	904641	909754	904347	906248	0.34	cps
Lithium	6-1	436177	424895	428932	430001	1.33	cps
Magnesium	24-2	477686	474921	466252	472953	1.26	cps

LB Number : LB100404 Operator : Jaswal
 Lab Sample ID : S4 Instrumnet Name : P8
 Client Sample ID : S4 Dilution Factor : 1
 Date & Time Acquired :: 2019-01-18 15:44:45 DataFile Name : 007CAL.S.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	69452	69395	69462	69436	0.05	cps
Molybdenum	94-1	1045857	1043171	1041130	1043386	0.23	cps
Molybdenum	95-1	1280889	1281482	1259631	1274001	0.98	cps
Molybdenum	96-1	1424746	1423431	1388530	1412236	1.45	cps
Molybdenum	97-1	787197	798173	783089	789486	0.99	cps
Molybdenum	98-1	2051946	2083128	2030460	2055178	1.29	cps
Neodymium	150-1	40	7	20	22	75.49	cps
Neodymium	150-2	3	0	0	1	173.21	cps
Nickel	60-2	64733	64706	63953	64464	0.69	cps
Phosphorus	31-2	1900	1850	1800	1850	2.70	cps
Potassium	39-2	140470	138323	139805	139533	0.79	cps
Rhodium	103-1	2798130	2727642	2727600	2751124	1.48	cps
Rhodium	103-2	1083454	1161406	1207447	1150769	5.45	cps
Scandium	45-1	2534766	2484855	2521533	2513718	1.03	cps
Scandium	45-2	30527	32886	34135	32516	5.64	cps
Selenium	77-2	110	110	127	116	8.33	cps
Selenium	78-2	380	394	359	378	4.68	cps
Selenium	82-1	10111	9874	9967	9984	1.19	cps
Silicon	28-1	886076	892230	892016	890107	0.39	cps
Silver	109-1	576116	578809	577609	577511	0.23	cps
Silver	107-1	620928	624130	619889	621649	0.36	cps
Sodium	23-2	1047423	1043580	1030595	1040533	0.85	cps
Strontium	86-1	165449	168587	164828	166288	1.21	cps
Strontium	88-1	1435635	1469783	1451139	1452185	1.18	cps
Sulfur	34-1	618031	608140	607918	611363	0.94	cps
Terbium	159-1	2865401	2795713	2762744	2807953	1.87	cps
Terbium	159-2	1028695	1109828	1154035	1097519	5.79	cps
Thallium	203-1	278235	279773	278974	278994	0.28	cps
Thallium	205-1	669083	660822	661550	663818	0.69	cps
Tin	118-1	357624	361968	355944	358512	0.87	cps
Titanium	47-1	461162	466213	461801	463059	0.59	cps
Uranium	238-1	794541	796601	797246	796129	0.18	cps
Vanadium	51-2	81147	80684	81794	81208	0.69	cps
Yttrium	89-1	3400977	3263560	3302391	3322309	2.13	cps
Yttrium	89-2	175326	188568	196540	186811	5.74	cps
Zinc	66-2	40496	40904	40302	40567	0.76	cps

LB Number :	LB100404	Operator :	Jaswal
Lab Sample ID :	S4	Instrumnet Name :	P8
Client Sample ID :	S4	Dilution Factor :	1
Date & Time Acquired ::	2019-01-18 15:44:45	DataFile Name :	007CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	90-1	881228	891593	889698	887506	0.62	cps
Zirconium	91-1	197448	193822	196921	196064	1.00	cps

LB Number :	LB100404	Operator :	Jaswal
Lab Sample ID :	S5	Instrumnet Name :	P8
Client Sample ID :	S5	Dilution Factor :	1
Date & Time Acquired ::	2019-01-18 15:48:40	DataFile Name :	008CAL.S.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	40430	39943	40292	40222	0.62	cps
Antimony	121-1	1076722	1061609	1076192	1071508	0.80	cps
Arsenic	75-2	29652	30498	30007	30052	1.41	cps
Barium	135-1	1047003	1045615	1052557	1048392	0.35	cps
Barium	137-1	1808249	1832489	1840079	1826939	0.91	cps
Beryllium	9-1	234157	234699	231768	233542	0.67	cps
Bismuth	209-1	1479962	1540172	1498035	1506057	2.05	cps
Bismuth	209-2	802794	796937	838191	812641	2.75	cps
Boron	10-1	31135	31845	32137	31705	1.63	cps
Boron	11-1	157145	158173	159781	158367	0.84	cps
Cadmium	111-1	255684	255900	257534	256372	0.39	cps
Cadmium	106-1	28164	28390	27930	28161	0.82	cps
Cadmium	108-1	18196	18542	18250	18329	1.02	cps
Calcium	43-1	375146	372936	374531	374205	0.30	cps
Calcium	44-1	6000775	6006875	6081429	6029693	0.74	cps
Chromium	52-2	226949	223685	223427	224687	0.87	cps
Cobalt	59-2	434826	432947	433608	433794	0.22	cps
Copper	63-2	721550	720265	719780	720532	0.13	cps
Dysprosium	156-1	8	42	8	19	99.00	cps
Dysprosium	156-2	3	0	13	6	124.93	cps
Erbium	164-1	25	0	8	11	114.58	cps
Erbium	164-2	7	3	3	4	43.40	cps
Gadolinium	160-1	50	33	17	33	50.00	cps
Gadolinium	160-2	10	13	3	9	57.30	cps
Holmium	165-1	2632286	2716240	2699277	2682601	1.65	cps
Holmium	165-2	1102486	1099712	1164241	1122146	3.25	cps
Indium	115-1	2693322	2749040	2724423	2722262	1.03	cps
Indium	115-2	227104	228444	240636	232062	3.21	cps
Iron	56-2	7780652	7703689	7673704	7719349	0.71	cps
Iron	57-2	195125	195143	195954	195407	0.24	cps
Krypton	83-1	633	747	693	691	8.20	cps
Lead	206-1	450408	450567	453104	451359	0.34	cps
Lead	207-1	408238	408274	413245	409919	0.70	cps
Lead	208-1	1820980	1821776	1834609	1825788	0.42	cps
Lithium	6-1	436492	451243	442778	443504	1.67	cps
Magnesium	24-2	938942	934760	930377	934693	0.46	cps

LB Number :	LB100404	Operator :	Jaswal
Lab Sample ID :	S5	Instrumnet Name :	P8
Client Sample ID :	S5	Dilution Factor :	1
Date & Time Acquired ::	2019-01-18 15:48:40	DataFile Name :	008CAL.S.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	138640	137563	135933	137379	0.99	cps
Molybdenum	94-1	2103900	2108897	2122264	2111687	0.45	cps
Molybdenum	95-1	2634820	2603116	2661396	2633111	1.11	cps
Molybdenum	96-1	2874203	2869384	2884624	2876070	0.27	cps
Molybdenum	97-1	1591154	1616847	1592057	1600019	0.91	cps
Molybdenum	98-1	4075967	4091304	4026922	4064731	0.83	cps
Neodymium	150-1	80	73	60	71	14.32	cps
Neodymium	150-2	0	7	3	3	100.05	cps
Nickel	60-2	128819	128127	125761	127569	1.26	cps
Phosphorus	31-2	3167	3284	3426	3292	3.93	cps
Potassium	39-2	269585	274074	273746	272468	0.92	cps
Rhodium	103-1	2782265	2868911	2814360	2821845	1.55	cps
Rhodium	103-2	1159090	1170062	1231675	1186942	3.30	cps
Scandium	45-1	2568405	2622372	2572238	2587672	1.16	cps
Scandium	45-2	33156	32905	35589	33883	4.37	cps
Selenium	77-2	217	280	253	250	12.72	cps
Selenium	78-2	778	824	852	818	4.58	cps
Selenium	82-1	19814	19933	20083	19943	0.68	cps
Silicon	28-1	1286028	1284570	1304240	1291613	0.85	cps
Silver	109-1	1154144	1153188	1160860	1156064	0.36	cps
Silver	107-1	1230755	1237043	1245570	1237789	0.60	cps
Sodium	23-2	2118789	2064835	2086882	2090169	1.30	cps
Strontium	86-1	328964	333903	333856	332241	0.85	cps
Strontium	88-1	2882778	2895294	2903744	2893939	0.36	cps
Sulfur	34-1	666435	656291	651187	657971	1.18	cps
Terbium	159-1	2880910	2934227	2916380	2910506	0.93	cps
Terbium	159-2	1115841	1128064	1171687	1138531	2.58	cps
Thallium	203-1	563059	560488	567200	563582	0.60	cps
Thallium	205-1	1336081	1342063	1330577	1336240	0.43	cps
Tin	118-1	722121	714016	719935	718691	0.58	cps
Titanium	47-1	917687	925581	915680	919649	0.57	cps
Uranium	238-1	1644808	1666169	1673008	1661329	0.89	cps
Vanadium	51-2	161654	161650	162494	161933	0.30	cps
Yttrium	89-1	3373128	3466605	3403537	3414423	1.40	cps
Yttrium	89-2	187386	189761	200838	192662	3.73	cps
Zinc	66-2	81069	81508	79838	80805	1.07	cps

LB Number :	LB100404	Operator :	Jaswal
Lab Sample ID :	S5	Instrumnet Name :	P8
Client Sample ID :	S5	Dilution Factor :	1
Date & Time Acquired ::	2019-01-18 15:48:40	DataFile Name :	008CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	90-1	1780450	1780776	1807389	1789538	0.86	cps
Zirconium	91-1	389956	389210	390148	389771	0.13	cps

LB Number : LB100404 Operator : Jaswal
 Lab Sample ID : S6 Instrumnet Name : P8
 Client Sample ID : S6 Dilution Factor : 1
 Date & Time Acquired :: 2019-01-18 15:52:28 DataFile Name : 009CAL.S.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	79874	80719	80908	80500	0.68	cps
Antimony	121-1	2224307	2226182	2219632	2223374	0.15	cps
Arsenic	75-2	60506	61315	59920	60580	1.16	cps
Barium	135-1	2145253	2145084	2166807	2152382	0.58	cps
Barium	137-1	3637437	3698322	3721593	3685784	1.18	cps
Beryllium	9-1	462158	465223	463015	463465	0.34	cps
Bismuth	209-1	1633312	1549789	1476531	1553211	5.05	cps
Bismuth	209-2	813280	779659	789986	794309	2.17	cps
Boron	10-1	61558	63441	64563	63188	2.40	cps
Boron	11-1	316474	320290	328607	321790	1.93	cps
Cadmium	111-1	510282	515747	515407	513812	0.60	cps
Cadmium	106-1	55776	56235	54812	55608	1.31	cps
Cadmium	108-1	37624	37260	37949	37611	0.92	cps
Calcium	43-1	756906	763338	767524	762590	0.70	cps
Calcium	44-1	12213171	12164868	12146380	12174806	0.28	cps
Chromium	52-2	447384	448583	448189	448052	0.14	cps
Cobalt	59-2	863203	865216	864292	864237	0.12	cps
Copper	63-2	1432058	1436993	1433326	1434126	0.18	cps
Dysprosium	156-1	25	42	25	31	31.50	cps
Dysprosium	156-2	0	7	3	3	100.05	cps
Erbium	164-1	42	50	25	39	32.73	cps
Erbium	164-2	7	3	7	6	34.70	cps
Gadolinium	160-1	17	33	33	28	34.63	cps
Gadolinium	160-2	10	17	7	11	45.82	cps
Holmium	165-1	2958953	2789878	2657655	2802162	5.39	cps
Holmium	165-2	1137307	1083125	1099070	1106501	2.52	cps
Indium	115-1	2898781	2830292	2649245	2792773	4.62	cps
Indium	115-2	228673	220847	224015	224512	1.75	cps
Iron	56-2	15621756	15347536	15369902	15446398	0.99	cps
Iron	57-2	391166	393757	388484	391136	0.67	cps
Krypton	83-1	597	543	660	600	9.73	cps
Lead	206-1	905212	921598	908494	911768	0.95	cps
Lead	207-1	826396	839050	827075	830840	0.86	cps
Lead	208-1	3746712	3781006	3757535	3761751	0.47	cps
Lithium	6-1	465676	449871	435666	450404	3.33	cps
Magnesium	24-2	1932824	1939897	1913634	1928785	0.70	cps

LB Number :	LB100404	Operator :	Jaswal
Lab Sample ID :	S6	Instrumnet Name :	P8
Client Sample ID :	S6	Dilution Factor :	1
Date & Time Acquired ::	2019-01-18 15:52:28	DataFile Name :	009CAL.S.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	276086	278262	279117	277821	0.56	cps
Molybdenum	94-1	4284086	4283970	4232133	4266730	0.70	cps
Molybdenum	95-1	5349796	5301712	5304610	5318706	0.51	cps
Molybdenum	96-1	5790576	5697422	5806638	5764879	1.02	cps
Molybdenum	97-1	3246097	3227313	3243429	3238946	0.31	cps
Molybdenum	98-1	8219283	8279216	8204424	8234307	0.48	cps
Neodymium	150-1	53	93	67	71	28.64	cps
Neodymium	150-2	0	3	3	2	86.60	cps
Nickel	60-2	253635	253174	252536	253115	0.22	cps
Phosphorus	31-2	7210	7502	6577	7097	6.67	cps
Potassium	39-2	544418	542652	544129	543733	0.17	cps
Rhodium	103-1	3025273	2883148	2734484	2880968	5.05	cps
Rhodium	103-2	1182439	1137970	1151484	1157298	1.97	cps
Scandium	45-1	2814727	2681769	2524444	2673647	5.43	cps
Scandium	45-2	34763	34192	34646	34534	0.87	cps
Selenium	77-2	453	483	410	449	8.21	cps
Selenium	78-2	1615	1622	1543	1593	2.76	cps
Selenium	82-1	40467	40873	40532	40624	0.54	cps
Silicon	28-1	2225854	2220247	2285298	2243800	1.61	cps
Silver	109-1	2349058	2388388	2377605	2371684	0.86	cps
Silver	107-1	2546851	2576493	2515134	2546159	1.21	cps
Sodium	23-2	4121192	4161828	4116475	4133165	0.60	cps
Strontium	86-1	676179	677346	672454	675326	0.38	cps
Strontium	88-1	5766077	5819963	5807858	5797966	0.49	cps
Sulfur	34-1	761636	760962	762764	761787	0.12	cps
Terbium	159-1	3155967	2964405	2818928	2979767	5.67	cps
Terbium	159-2	1141932	1102374	1114159	1119489	1.81	cps
Thallium	203-1	1142751	1145272	1136597	1141540	0.39	cps
Thallium	205-1	2784139	2752700	2729482	2755441	1.00	cps
Tin	118-1	1460502	1454028	1482133	1465554	1.00	cps
Titanium	47-1	1903088	1927899	1916199	1915729	0.65	cps
Uranium	238-1	3337905	3374224	3308158	3340095	0.99	cps
Vanadium	51-2	327156	327244	327729	327376	0.09	cps
Yttrium	89-1	3677915	3568207	3398824	3548315	3.96	cps
Yttrium	89-2	192101	187039	189887	189675	1.34	cps
Zinc	66-2	160210	163406	160857	161491	1.05	cps

LB Number :	LB100404	Operator :	Jaswal
Lab Sample ID :	S6	Instrumnet Name :	P8
Client Sample ID :	S6	Dilution Factor :	1
Date & Time Acquired ::	2019-01-18 15:52:28	DataFile Name :	009CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	90-1	3589951	3631515	3632500	3617989	0.67	cps
Zirconium	91-1	788307	793375	792493	791392	0.34	cps

LB Number : LB100404 Operator : Jaswal
 Lab Sample ID : S7 Instrumnet Name : P8
 Client Sample ID : S7 Dilution Factor : 1
 Date & Time Acquired :: 2019-01-18 15:56:12 DataFile Name : 010CAL.S.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	162295	159114	161092	160834	1.00	cps
Antimony	121-1	4348723	4297952	4407887	4351521	1.26	cps
Arsenic	75-2	121459	122630	121416	121835	0.57	cps
Barium	135-1	4246133	4172124	4261663	4226640	1.13	cps
Barium	137-1	7224735	7162817	7276639	7221397	0.79	cps
Beryllium	9-1	922666	908181	926215	919021	1.04	cps
Bismuth	209-1	1611978	1635773	1427140	1558297	7.33	cps
Bismuth	209-2	804172	813965	786363	801500	1.75	cps
Boron	10-1	125470	127656	132102	128409	2.63	cps
Boron	11-1	635624	640479	652901	643001	1.39	cps
Cadmium	111-1	1018923	1011487	1014776	1015062	0.37	cps
Cadmium	106-1	109543	109686	108904	109378	0.38	cps
Cadmium	108-1	74978	74651	74769	74799	0.22	cps
Calcium	43-1	1530924	1519694	1513925	1521514	0.57	cps
Calcium	44-1	24059758	24084813	24269072	24137881	0.47	cps
Chromium	52-2	898876	892841	887760	893159	0.62	cps
Cobalt	59-2	1753517	1745576	1732076	1743723	0.62	cps
Copper	63-2	2873000	2849944	2847489	2856811	0.49	cps
Dysprosium	156-1	33	33	58	42	34.65	cps
Dysprosium	156-2	7	13	3	8	65.47	cps
Erbium	164-1	25	42	8	25	66.68	cps
Erbium	164-2	10	7	7	8	24.71	cps
Gadolinium	160-1	33	33	17	28	34.63	cps
Gadolinium	160-2	17	20	20	19	10.18	cps
Holmium	165-1	3010367	2890445	2527571	2809461	8.95	cps
Holmium	165-2	1139543	1143582	1099315	1127480	2.17	cps
Indium	115-1	2865442	2870158	2508126	2747909	7.56	cps
Indium	115-2	225193	226674	221202	224356	1.26	cps
Iron	56-2	31099557	30806227	30445915	30783900	1.06	cps
Iron	57-2	785635	776495	773981	778704	0.79	cps
Krypton	83-1	567	633	670	623	8.40	cps
Lead	206-1	1854941	1823851	1829748	1836180	0.90	cps
Lead	207-1	1626559	1630421	1608421	1621800	0.72	cps
Lead	208-1	7461671	7431499	7462803	7451991	0.24	cps
Lithium	6-1	462908	455958	422776	447214	4.80	cps
Magnesium	24-2	3769308	3785479	3775339	3776709	0.22	cps

LB Number :	LB100404	Operator :	Jaswal
Lab Sample ID :	S7	Instrumnet Name :	P8
Client Sample ID :	S7	Dilution Factor :	1
Date & Time Acquired ::	2019-01-18 15:56:12	DataFile Name :	010CAL.S.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	557190	552630	546569	552130	0.97	cps
Molybdenum	94-1	8454583	8423181	8482903	8453556	0.35	cps
Molybdenum	95-1	10373951	10401115	10614806	10463291	1.26	cps
Molybdenum	96-1	11568152	11479282	11652322	11566586	0.75	cps
Molybdenum	97-1	6416921	6375258	6418309	6403496	0.38	cps
Molybdenum	98-1	16599555	16446846	16355602	16467335	0.75	cps
Neodymium	150-1	147	153	167	156	6.55	cps
Neodymium	150-2	10	13	13	12	15.73	cps
Nickel	60-2	503579	501374	499888	501613	0.37	cps
Phosphorus	31-2	13841	14124	14475	14147	2.24	cps
Potassium	39-2	1088291	1088194	1082971	1086485	0.28	cps
Rhodium	103-1	3029069	2970044	2658342	2885818	6.90	cps
Rhodium	103-2	1174069	1178531	1161734	1171445	0.74	cps
Scandium	45-1	2781020	2794373	2519185	2698193	5.75	cps
Scandium	45-2	35719	35478	34723	35307	1.47	cps
Selenium	77-2	897	937	957	930	3.28	cps
Selenium	78-2	3108	3095	3219	3141	2.17	cps
Selenium	82-1	80657	79426	79939	80007	0.77	cps
Silicon	28-1	4041966	3964300	4002466	4002910	0.97	cps
Silver	109-1	4706193	4692002	4618132	4672109	1.01	cps
Silver	107-1	4952073	4937507	4983084	4957554	0.47	cps
Sodium	23-2	8151236	8166271	8075220	8130909	0.60	cps
Strontium	86-1	1356545	1339975	1358794	1351771	0.76	cps
Strontium	88-1	11356478	11373980	11486498	11405652	0.62	cps
Sulfur	34-1	998402	986975	980972	988783	0.90	cps
Terbium	159-1	3088165	3100602	2771733	2986833	6.24	cps
Terbium	159-2	1151793	1154196	1128175	1144722	1.26	cps
Thallium	203-1	2344554	2304056	2315557	2321389	0.90	cps
Thallium	205-1	5445928	5317937	5322913	5362259	1.35	cps
Tin	118-1	2986305	2915608	2977936	2959949	1.31	cps
Titanium	47-1	3750958	3764502	3803051	3772837	0.72	cps
Uranium	238-1	6497436	6455354	6579278	6510689	0.97	cps
Vanadium	51-2	659692	661881	662440	661338	0.22	cps
Yttrium	89-1	3663519	3675464	3255474	3531486	6.77	cps
Yttrium	89-2	197122	197596	194116	196278	0.96	cps
Zinc	66-2	319430	319845	320851	320042	0.23	cps

LB Number :	LB100404	Operator :	Jaswal
Lab Sample ID :	S7	Instrumnet Name :	P8
Client Sample ID :	S7	Dilution Factor :	1
Date & Time Acquired ::	2019-01-18 15:56:12	DataFile Name :	010CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	90-1	7159960	7185909	7141573	7162480	0.31	cps
Zirconium	91-1	1616209	1629684	1606104	1617332	0.73	cps

LB Number :	LB100404	Operator :	Jaswal
Lab Sample ID :	S8	Instrumnet Name :	P8
Client Sample ID :	S8	Dilution Factor :	1
Date & Time Acquired ::	2019-01-18 15:59:48	DataFile Name :	011CAL.S.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	830459	836557	826082	831033	0.63	cps
Antimony	121-1	6269	6068	6110	6149	1.72	cps
Arsenic	75-2	181	163	185	177	6.74	cps
Barium	135-1	450	550	583	528	13.15	cps
Barium	137-1	817	758	892	822	8.13	cps
Beryllium	9-1	110	97	103	103	6.45	cps
Bismuth	209-1	1337947	1323808	1241409	1301055	4.01	cps
Bismuth	209-2	719327	704541	701253	708374	1.36	cps
Boron	10-1	3276	2975	2609	2953	11.31	cps
Boron	11-1	14508	13549	12047	13368	9.28	cps
Cadmium	111-1	680	693	663	679	2.15	cps
Cadmium	106-1	842	867	883	864	2.43	cps
Cadmium	108-1	38	8	25	24	61.98	cps
Calcium	43-1	7579853	7538746	7563486	7560695	0.27	cps
Calcium	44-1	121484235	121133792	122244248	121620758	0.47	cps
Chromium	52-2	9553	9747	9620	9640	1.02	cps
Cobalt	59-2	20048	20876	20081	20335	2.30	cps
Copper	63-2	4731	4724	4824	4760	1.18	cps
Dysprosium	156-1	67	33	25	42	52.91	cps
Dysprosium	156-2	23	7	3	11	96.43	cps
Erbium	164-1	58	33	58	50	28.86	cps
Erbium	164-2	3	10	7	7	50.03	cps
Gadolinium	160-1	42	58	42	47	20.38	cps
Gadolinium	160-2	20	13	7	13	49.99	cps
Holmium	165-1	2581615	2521938	2364641	2489398	4.50	cps
Holmium	165-2	1057008	1040288	1037054	1044783	1.03	cps
Indium	115-1	2623967	2630559	2471105	2575211	3.50	cps
Indium	115-2	229057	227669	223653	226793	1.24	cps
Iron	56-2	151448148	151487237	151641487	151525624	0.07	cps
Iron	57-2	3858878	3853530	3841566	3851325	0.23	cps
Krypton	83-1	600	643	563	602	6.65	cps
Lead	206-1	3929	4340	3656	3975	8.66	cps
Lead	207-1	3684	3495	3095	3425	8.78	cps
Lead	208-1	16538	15860	14015	15471	8.44	cps
Lithium	6-1	405072	412040	385520	400877	3.43	cps
Magnesium	24-2	17771054	18002779	17622889	17798907	1.08	cps

LB Number :	LB100404	Operator :	Jaswal
Lab Sample ID :	S8	Instrumnet Name :	P8
Client Sample ID :	S8	Dilution Factor :	1
Date & Time Acquired ::	2019-01-18 15:59:48	DataFile Name :	011CAL.S.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	2860	2544	2874	2759	6.77	cps
Molybdenum	94-1	3401	3784	3259	3481	7.81	cps
Molybdenum	95-1	4884	5168	5385	5146	4.87	cps
Molybdenum	96-1	6168	5735	6035	5979	3.71	cps
Molybdenum	97-1	3134	2867	2700	2900	7.54	cps
Molybdenum	98-1	7427	7544	7519	7497	0.82	cps
Neodymium	150-1	73	67	53	64	15.80	cps
Neodymium	150-2	20	17	0	12	87.67	cps
Nickel	60-2	6802	6672	6945	6806	2.01	cps
Phosphorus	31-2	8	8	50	22	108.27	cps
Potassium	39-2	5536844	5519465	5375818	5477376	1.61	cps
Rhodium	103-1	2564687	2597209	2403183	2521693	4.12	cps
Rhodium	103-2	1111292	1083040	1072341	1088891	1.85	cps
Scandium	45-1	2545174	2543628	2362330	2483711	4.23	cps
Scandium	45-2	35061	34172	34105	34446	1.55	cps
Selenium	77-2	0	0	0	0	0.00	cps
Selenium	78-2	7	9	2	6	62.47	cps
Selenium	82-1	-6	67	63	41	99.76	cps
Silicon	28-1	468215	470761	469674	469550	0.27	cps
Silver	109-1	1283	1250	1283	1272	1.51	cps
Silver	107-1	1408	1392	1350	1383	2.17	cps
Sodium	23-2	41724871	41749788	40916272	41463644	1.14	cps
Strontium	86-1	6077	6385	6310	6257	2.57	cps
Strontium	88-1	47484	47242	46112	46946	1.56	cps
Sulfur	34-1	465402	465212	466580	465732	0.16	cps
Terbium	159-1	2772897	2725163	2512218	2670092	5.20	cps
Terbium	159-2	1079054	1057858	1055737	1064216	1.21	cps
Thallium	203-1	367	350	500	406	20.27	cps
Thallium	205-1	942	917	692	850	16.20	cps
Tin	118-1	2667	2617	2842	2709	4.36	cps
Titanium	47-1	750	833	942	842	11.42	cps
Uranium	238-1	208	158	217	194	16.23	cps
Vanadium	51-2	110	140	143	131	14.00	cps
Yttrium	89-1	3283114	3310338	3040722	3211391	4.62	cps
Yttrium	89-2	194911	191918	188995	191942	1.54	cps
Zinc	66-2	3267	3020	3190	3159	4.00	cps

LB Number :	LB100404	Operator :	Jaswal
Lab Sample ID :	S8	Instrumnet Name :	P8
Client Sample ID :	S8	Dilution Factor :	1
Date & Time Acquired ::	2019-01-18 15:59:48	DataFile Name :	011CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	90-1	2017	1508	1742	1756	14.50	cps
Zirconium	91-1	350	400	300	350	14.28	cps

LB Number : LB100404 Operator : Jaswal
 Lab Sample ID : ICV01 Instrumnet Name : P8
 Client Sample ID : ICV01 Dilution Factor : 1
 Date & Time Acquired :: 2019-01-18 16:03:50 DataFile Name : 012ICV01.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	3944	4084	3967	3998	1.88	cps
Antimony	121-1	800381	804713	802926	802673	0.27	cps
Arsenic	75-2	24114	24244	24509	24289	0.83	cps
Barium	135-1	79934	80679	79941	80185	0.53	cps
Barium	137-1	135422	136322	136819	136188	0.52	cps
Beryllium	9-1	86444	86776	86750	86657	0.21	cps
Bismuth	209-1	1362194	1444107	1428169	1411490	3.08	cps
Bismuth	209-2	773791	758944	764966	765900	0.97	cps
Boron	10-1	1192	1267	1100	1186	7.04	cps
Boron	11-1	6277	6443	6043	6254	3.21	cps
Cadmium	111-1	97911	96053	97140	97035	0.96	cps
Cadmium	106-1	9512	9412	9570	9498	0.84	cps
Cadmium	108-1	6468	6252	6902	6541	5.06	cps
Calcium	43-1	30249	30216	29805	30090	0.82	cps
Calcium	44-1	530382	530981	528490	529951	0.25	cps
Chromium	52-2	90785	88877	90487	90050	1.14	cps
Cobalt	59-2	174952	175594	175351	175299	0.18	cps
Copper	63-2	147745	147028	147436	147403	0.24	cps
Dysprosium	156-1	0	17	0	6	173.21	cps
Dysprosium	156-2	7	0	0	2	173.21	cps
Erbium	164-1	50	17	42	36	48.03	cps
Erbium	164-2	7	13	7	9	43.25	cps
Gadolinium	160-1	8	25	0	11	114.58	cps
Gadolinium	160-2	7	3	0	3	100.05	cps
Holmium	165-1	2442602	2602104	2545320	2530008	3.20	cps
Holmium	165-2	1070138	1057663	1061185	1062995	0.61	cps
Indium	115-1	2546657	2748235	2686186	2660359	3.88	cps
Indium	115-2	235207	227504	231086	231266	1.67	cps
Iron	56-2	635431	627118	630204	630917	0.67	cps
Iron	57-2	15409	16399	16054	15954	3.15	cps
Krypton	83-1	687	627	683	666	5.07	cps
Lead	206-1	342328	343668	343572	343189	0.22	cps
Lead	207-1	294888	297358	295371	295872	0.44	cps
Lead	208-1	1350664	1352745	1353780	1352396	0.12	cps
Lithium	6-1	409004	430056	426522	421860	2.67	cps
Magnesium	24-2	44220	43426	44153	43933	1.00	cps

LB Number : LB100404 Operator : Jaswal
 Lab Sample ID : ICV01 Instrumnet Name : P8
 Client Sample ID : ICV01 Dilution Factor : 1
 Date & Time Acquired :: 2019-01-18 16:03:50 DataFile Name : 012ICV01.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	27467	27140	27481	27363	0.71	cps
Molybdenum	94-1	392	258	325	325	20.51	cps
Molybdenum	95-1	225	258	283	256	11.45	cps
Molybdenum	96-1	383	325	392	367	9.91	cps
Molybdenum	97-1	325	308	283	306	6.86	cps
Molybdenum	98-1	242	283	300	275	10.93	cps
Neodymium	150-1	13	20	33	22	45.85	cps
Neodymium	150-2	0	0	0	0	0.00	cps
Nickel	60-2	51649	52680	52696	52341	1.15	cps
Phosphorus	31-2	25	8	33	22	57.29	cps
Potassium	39-2	53679	51771	52064	52504	1.96	cps
Rhodium	103-1	2674749	2845557	2836128	2785478	3.45	cps
Rhodium	103-2	1199530	1173581	1180330	1184480	1.14	cps
Scandium	45-1	2479800	2630483	2610291	2573525	3.18	cps
Scandium	45-2	33627	33737	33961	33775	0.50	cps
Selenium	77-2	247	163	217	209	20.20	cps
Selenium	78-2	706	659	654	673	4.23	cps
Selenium	82-1	15344	15626	15509	15493	0.92	cps
Silicon	28-1	364927	365941	369091	366653	0.59	cps
Silver	109-1	442293	444761	444462	443838	0.30	cps
Silver	107-1	474950	473036	478282	475423	0.56	cps
Sodium	23-2	192148	193515	190669	192111	0.74	cps
Strontium	86-1	3509	3917	4051	3826	7.38	cps
Strontium	88-1	25975	25642	25700	25772	0.69	cps
Sulfur	34-1	467194	461795	462396	463795	0.64	cps
Terbium	159-1	2656649	2794646	2807579	2752958	3.04	cps
Terbium	159-2	1099649	1075011	1075817	1083492	1.29	cps
Thallium	203-1	426884	430726	433938	430516	0.82	cps
Thallium	205-1	1013183	1028225	1022362	1021257	0.74	cps
Tin	118-1	467	525	375	456	16.60	cps
Titanium	47-1	158	150	183	164	10.58	cps
Uranium	238-1	42	50	17	36	48.03	cps
Vanadium	51-2	65198	65352	65194	65248	0.14	cps
Yttrium	89-1	3194419	3443221	3395500	3344380	3.95	cps
Yttrium	89-2	193482	191936	192943	192787	0.41	cps
Zinc	66-2	32518	32736	32966	32740	0.68	cps

LB Number :	LB100404	Operator :	Jaswal
Lab Sample ID :	ICV01	Instrumnet Name :	P8
Client Sample ID :	ICV01	Dilution Factor :	1
Date & Time Acquired ::	2019-01-18 16:03:50	DataFile Name :	012ICV01.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	90-1	392	492	450	444	11.30	cps
Zirconium	91-1	208	217	158	194	16.23	cps

LB Number :	LB100404	Operator :	Jaswal
Lab Sample ID :	LLICV01	Instrumnet Name :	P8
Client Sample ID :	LLICV01	Dilution Factor :	1
Date & Time Acquired ::	2019-01-18 16:08:19	DataFile Name :	013LLIC.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	223	213	243	226	6.76	cps
Antimony	121-1	8370	8778	7628	8259	7.06	cps
Arsenic	75-2	120	130	124	125	3.74	cps
Barium	135-1	7669	7561	6869	7366	5.89	cps
Barium	137-1	13766	13166	11622	12851	8.61	cps
Beryllium	9-1	917	963	773	884	11.20	cps
Bismuth	209-1	1437687	1449667	1291603	1392986	6.32	cps
Bismuth	209-2	776558	763811	687132	742500	6.51	cps
Boron	10-1	3801	3517	3426	3581	5.46	cps
Boron	11-1	17586	17586	16669	17280	3.07	cps
Cadmium	111-1	1437	1372	1347	1385	3.35	cps
Cadmium	106-1	833	833	725	797	7.85	cps
Cadmium	108-1	67	100	75	81	21.53	cps
Calcium	43-1	7335	7282	6522	7046	6.46	cps
Calcium	44-1	159408	159742	147750	155633	4.39	cps
Chromium	52-2	3611	3811	3687	3703	2.73	cps
Cobalt	59-2	1693	1663	1583	1647	3.45	cps
Copper	63-2	3564	3250	3244	3353	5.46	cps
Dysprosium	156-1	17	25	17	19	24.73	cps
Dysprosium	156-2	0	0	0	0	0.00	cps
Erbium	164-1	25	25	17	22	21.64	cps
Erbium	164-2	3	3	10	6	69.34	cps
Gadolinium	160-1	58	33	8	33	75.02	cps
Gadolinium	160-2	3	0	3	2	86.60	cps
Holmium	165-1	2582423	2626206	2305698	2504776	6.94	cps
Holmium	165-2	1067782	1052053	937000	1018945	7.01	cps
Indium	115-1	2735431	2762154	2429664	2642416	6.99	cps
Indium	115-2	234257	229671	204971	222966	7.06	cps
Iron	56-2	35484	33909	33357	34250	3.22	cps
Iron	57-2	1017	783	861	887	13.39	cps
Krypton	83-1	563	607	630	600	5.64	cps
Lead	206-1	1900	1900	1822	1874	2.40	cps
Lead	207-1	1667	1789	1400	1619	12.29	cps
Lead	208-1	7657	7768	6884	7436	6.47	cps
Lithium	6-1	425792	426444	382178	411471	6.17	cps
Magnesium	24-2	18004	17703	16627	17445	4.15	cps

LB Number :	LB100404	Operator :	Jaswal
Lab Sample ID :	LLICV01	Instrumnet Name :	P8
Client Sample ID :	LLICV01	Dilution Factor :	1
Date & Time Acquired ::	2019-01-18 16:08:19	DataFile Name :	013LLIC.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	370	347	313	343	8.30	cps
Molybdenum	94-1	8170	7719	6919	7603	8.33	cps
Molybdenum	95-1	9729	9445	8586	9254	6.43	cps
Molybdenum	96-1	10955	10863	9620	10480	7.11	cps
Molybdenum	97-1	6252	6418	5543	6071	7.66	cps
Molybdenum	98-1	15401	15476	13658	14845	6.93	cps
Neodymium	150-1	0	7	0	2	173.21	cps
Neodymium	150-2	0	0	0	0	0.00	cps
Nickel	60-2	603	467	480	517	14.58	cps
Phosphorus	31-2	42	67	42	50	28.87	cps
Potassium	39-2	17161	17011	16318	16830	2.67	cps
Rhodium	103-1	2858679	2868462	2557073	2761405	6.41	cps
Rhodium	103-2	1196346	1176128	1042648	1138374	7.34	cps
Scandium	45-1	2588597	2611085	2374385	2524689	5.17	cps
Scandium	45-2	33938	34095	29849	32627	7.38	cps
Selenium	77-2	10	13	10	11	17.30	cps
Selenium	78-2	24	17	17	19	22.33	cps
Selenium	82-1	411	301	291	334	19.90	cps
Silicon	28-1	385331	387018	381406	384585	0.75	cps
Silver	109-1	4284	4768	4218	4423	6.79	cps
Silver	107-1	4818	4959	4651	4809	3.21	cps
Sodium	23-2	58847	57860	57342	58016	1.32	cps
Strontium	86-1	1909	1842	2042	1931	5.27	cps
Strontium	88-1	10888	9671	9529	10029	7.45	cps
Sulfur	34-1	478074	472886	469516	473492	0.91	cps
Terbium	159-1	2797502	2795422	2514147	2702357	6.03	cps
Terbium	159-2	1100825	1077081	968953	1048953	6.70	cps
Thallium	203-1	2042	2142	2000	2061	3.53	cps
Thallium	205-1	4935	4693	4051	4559	10.02	cps
Tin	118-1	13616	13407	12373	13132	5.07	cps
Titanium	47-1	3726	3517	3542	3595	3.17	cps
Uranium	238-1	5160	5326	5260	5249	1.60	cps
Vanadium	51-2	3097	3387	2950	3145	7.07	cps
Yttrium	89-1	3382464	3419678	3009877	3270673	6.93	cps
Yttrium	89-2	194818	192731	170013	185854	7.40	cps
Zinc	66-2	403	427	387	406	4.95	cps

LB Number :	LB100404	Operator :	Jaswal
Lab Sample ID :	LLICV01	Instrumnet Name :	P8
Client Sample ID :	LLICV01	Dilution Factor :	1
Date & Time Acquired ::	2019-01-18 16:08:19	DataFile Name :	013LLIC.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	90-1	6493	6343	5752	6196	6.33	cps
Zirconium	91-1	1583	1467	1408	1486	6.00	cps

LB Number : LB100404 Operator : Jaswal
 Lab Sample ID : ICB01 Instrumnet Name : P8
 Client Sample ID : ICB01 Dilution Factor : 1
 Date & Time Acquired :: 2019-01-18 16:13:49 DataFile Name : 014CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	45	38	48	43	12.01	cps
Antimony	121-1	300	350	275	308	12.38	cps
Arsenic	75-2	6	11	7	8	35.21	cps
Barium	135-1	8	17	17	14	34.67	cps
Barium	137-1	25	58	25	36	53.30	cps
Beryllium	9-1	43	40	50	44	11.46	cps
Bismuth	209-1	1458884	1381747	1412918	1417849	2.74	cps
Bismuth	209-2	742048	762870	749613	751510	1.40	cps
Boron	10-1	492	483	425	467	7.78	cps
Boron	11-1	2642	2359	2625	2542	6.26	cps
Cadmium	111-1	565	554	679	599	11.52	cps
Cadmium	106-1	800	783	950	845	10.87	cps
Cadmium	108-1	4	4	4	4	0.00	cps
Calcium	43-1	340	397	263	333	20.08	cps
Calcium	44-1	43982	44547	44089	44206	0.68	cps
Chromium	52-2	2174	2094	2014	2094	3.82	cps
Cobalt	59-2	123	97	107	109	12.37	cps
Copper	63-2	657	620	583	620	5.91	cps
Dysprosium	156-1	25	8	8	14	69.31	cps
Dysprosium	156-2	0	0	0	0	0.00	cps
Erbium	164-1	25	42	25	31	31.50	cps
Erbium	164-2	7	3	7	6	34.70	cps
Gadolinium	160-1	8	17	92	39	118.02	cps
Gadolinium	160-2	0	0	3	1	173.21	cps
Holmium	165-1	2594354	2463364	2568974	2542231	2.73	cps
Holmium	165-2	1014340	1055888	1022957	1031062	2.13	cps
Indium	115-1	2754760	2595164	2645061	2664995	3.06	cps
Indium	115-2	222330	227648	226659	225546	1.25	cps
Iron	56-2	4040	4012	3906	3986	1.77	cps
Iron	57-2	178	139	94	137	30.43	cps
Krypton	83-1	553	640	610	601	7.32	cps
Lead	206-1	272	267	256	265	3.20	cps
Lead	207-1	183	261	261	235	19.09	cps
Lead	208-1	894	1022	978	965	6.72	cps
Lithium	6-1	413512	402107	412361	409327	1.53	cps
Magnesium	24-2	383	358	358	367	3.94	cps

LB Number : LB100404 Operator : Jaswal
 Lab Sample ID : ICB01 Instrumnet Name : P8
 Client Sample ID : ICB01 Dilution Factor : 1
 Date & Time Acquired :: 2019-01-18 16:13:49 DataFile Name : 014CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	120	90	60	90	33.33	cps
Molybdenum	94-1	142	158	150	150	5.56	cps
Molybdenum	95-1	83	33	25	47	66.82	cps
Molybdenum	96-1	183	92	108	128	38.21	cps
Molybdenum	97-1	217	150	225	197	20.84	cps
Molybdenum	98-1	150	167	150	156	6.19	cps
Neodymium	150-1	0	0	7	2	173.21	cps
Neodymium	150-2	0	0	0	0	0.00	cps
Nickel	60-2	103	77	127	102	24.47	cps
Phosphorus	31-2	17	25	50	31	56.77	cps
Potassium	39-2	6527	6844	6744	6705	2.42	cps
Rhodium	103-1	2886935	2745551	2816686	2816390	2.51	cps
Rhodium	103-2	1141583	1172327	1156225	1156712	1.33	cps
Scandium	45-1	2666324	2526066	2568038	2586809	2.78	cps
Scandium	45-2	33627	34108	33179	33638	1.38	cps
Selenium	77-2	13	7	3	8	65.47	cps
Selenium	78-2	2	4	2	2	43.30	cps
Selenium	82-1	24	-1	-88	-21	-276.84	cps
Silicon	28-1	345937	345863	346447	346082	0.09	cps
Silver	109-1	350	258	308	306	15.02	cps
Silver	107-1	267	283	258	269	4.72	cps
Sodium	23-2	18171	17653	18454	18093	2.24	cps
Strontium	86-1	833	900	908	881	4.67	cps
Strontium	88-1	67	92	50	69	30.20	cps
Sulfur	34-1	486898	486076	491899	488291	0.65	cps
Terbium	159-1	2854947	2717112	2745694	2772584	2.62	cps
Terbium	159-2	1035846	1075652	1053461	1054987	1.89	cps
Thallium	203-1	100	92	108	100	8.33	cps
Thallium	205-1	192	225	217	211	8.22	cps
Tin	118-1	217	183	283	228	22.35	cps
Titanium	47-1	150	175	158	161	7.90	cps
Uranium	238-1	25	17	42	28	45.82	cps
Vanadium	51-2	20	7	33	20	66.65	cps
Yttrium	89-1	3431008	3239382	3322918	3331103	2.88	cps
Yttrium	89-2	187478	187653	187301	187477	0.09	cps
Zinc	66-2	43	40	47	43	7.70	cps

LB Number :	LB100404	Operator :	Jaswal
Lab Sample ID :	ICB01	Instrumnet Name :	P8
Client Sample ID :	ICB01	Dilution Factor :	1
Date & Time Acquired ::	2019-01-18 16:13:49	DataFile Name :	014CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	90-1	300	200	342	281	25.95	cps
Zirconium	91-1	17	50	58	42	52.91	cps

LB Number : LB100404 Operator : Jaswal
 Lab Sample ID : ICSA01 Instrumnet Name : P8
 Client Sample ID : ICSA01 Dilution Factor : 1
 Date & Time Acquired :: 2019-01-18 16:17:24 DataFile Name : 015ICSA01.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	703654	705896	704648	704733	0.16	cps
Antimony	121-1	4693	5101	5293	5029	6.10	cps
Arsenic	75-2	52	41	44	46	12.39	cps
Barium	135-1	1075	1367	1383	1275	13.60	cps
Barium	137-1	2159	2092	1975	2075	4.48	cps
Beryllium	9-1	310	273	260	281	9.21	cps
Bismuth	209-1	1412398	1373722	1398473	1394865	1.40	cps
Bismuth	209-2	756285	715252	749520	740352	2.97	cps
Boron	10-1	492	542	533	522	5.13	cps
Boron	11-1	3192	2617	2625	2812	11.73	cps
Cadmium	111-1	962	985	1076	1008	5.99	cps
Cadmium	106-1	825	800	858	828	3.54	cps
Cadmium	108-1	850	667	833	783	12.94	cps
Calcium	43-1	1537090	1410227	1451117	1466145	4.42	cps
Calcium	44-1	24238451	22581596	22686941	23168996	4.00	cps
Chromium	52-2	20949	21180	20676	20935	1.21	cps
Cobalt	59-2	1897	2047	1967	1970	3.81	cps
Copper	63-2	12636	12816	12623	12692	0.85	cps
Dysprosium	156-1	50	8	8	22	108.27	cps
Dysprosium	156-2	0	7	7	4	86.60	cps
Erbium	164-1	58	25	17	33	66.14	cps
Erbium	164-2	0	7	0	2	173.21	cps
Gadolinium	160-1	33	42	25	33	25.00	cps
Gadolinium	160-2	10	7	13	10	33.30	cps
Holmium	165-1	2668931	2546619	2610422	2608657	2.35	cps
Holmium	165-2	1077389	1028973	1069668	1058677	2.46	cps
Indium	115-1	2544069	2609627	2616764	2590153	1.55	cps
Indium	115-2	225185	215625	223369	221393	2.29	cps
Iron	56-2	57576458	57955146	57111129	57547578	0.73	cps
Iron	57-2	1499035	1475526	1457374	1477312	1.41	cps
Krypton	83-1	610	653	613	626	3.85	cps
Lead	206-1	8575	8392	8336	8435	1.48	cps
Lead	207-1	6797	6013	6641	6483	6.40	cps
Lead	208-1	31589	30076	30810	30825	2.45	cps
Lithium	6-1	414548	402517	416063	411043	1.81	cps
Magnesium	24-2	3411854	3496642	3458091	3455529	1.23	cps

LB Number : LB100404 Operator : Jaswal
 Lab Sample ID : ICSA01 Instrumnet Name : P8
 Client Sample ID : ICSA01 Dilution Factor : 1
 Date & Time Acquired :: 2019-01-18 16:17:24 DataFile Name : 015ICSA01.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	1930	2007	2010	1982	2.28	cps
Molybdenum	94-1	2144673	2182716	2201633	2176341	1.33	cps
Molybdenum	95-1	3725918	3828726	3861704	3805450	1.86	cps
Molybdenum	96-1	3969137	4005000	4049400	4007846	1.00	cps
Molybdenum	97-1	2313819	2350654	2357471	2340648	1.00	cps
Molybdenum	98-1	5858154	5932360	6021812	5937442	1.38	cps
Neodymium	150-1	13	33	0	16	107.86	cps
Neodymium	150-2	0	0	10	3	173.21	cps
Nickel	60-2	2560	2757	2577	2631	4.15	cps
Phosphorus	31-2	66273	67294	65335	66300	1.48	cps
Potassium	39-2	2106242	2089752	2070497	2088830	0.86	cps
Rhodium	103-1	2619656	2651082	2693315	2654684	1.39	cps
Rhodium	103-2	1132214	1085486	1130597	1116099	2.38	cps
Scandium	45-1	2685133	2484103	2554343	2574526	3.96	cps
Scandium	45-2	33273	31990	32281	32515	2.07	cps
Selenium	77-2	0	10	0	3	173.21	cps
Selenium	78-2	7	2	0	3	124.95	cps
Selenium	82-1	-47	-40	-37	-41	-12.79	cps
Silicon	28-1	497705	482391	484728	488274	1.69	cps
Silver	109-1	2900	2817	3050	2923	4.05	cps
Silver	107-1	3259	3042	3025	3109	4.19	cps
Sodium	23-2	7870429	7776242	7842282	7829651	0.62	cps
Strontium	86-1	42169	43821	43303	43098	1.96	cps
Strontium	88-1	362786	357550	364010	361449	0.95	cps
Sulfur	34-1	2493203	2287316	2287801	2356107	5.04	cps
Terbium	159-1	2889500	2798526	2812160	2833395	1.73	cps
Terbium	159-2	1101696	1048192	1090944	1080277	2.62	cps
Thallium	203-1	175	117	50	114	54.92	cps
Thallium	205-1	242	242	192	225	12.83	cps
Tin	118-1	675	575	675	642	9.00	cps
Titanium	47-1	1520320	1426396	1424395	1457037	3.76	cps
Uranium	238-1	125	133	133	131	3.68	cps
Vanadium	51-2	90	117	100	102	13.18	cps
Yttrium	89-1	3278848	3251376	3306806	3279010	0.85	cps
Yttrium	89-2	188769	181334	188005	186036	2.20	cps
Zinc	66-2	1870	1907	1877	1885	1.04	cps

LB Number :	LB100404	Operator :	Jaswal
Lab Sample ID :	ICSA01	Instrumnet Name :	P8
Client Sample ID :	ICSA01	Dilution Factor :	1
Date & Time Acquired ::	2019-01-18 16:17:24	DataFile Name :	015ICSA01.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	90-1	483	417	383	428	11.90	cps
Zirconium	91-1	125	108	100	111	11.46	cps

LB Number : LB100404 Operator : Jaswal
 Lab Sample ID : ICSAB01 Instrumnet Name : P8
 Client Sample ID : ICSAB01 Dilution Factor : 1
 Date & Time Acquired :: 2019-01-18 16:20:53 DataFile Name : 016ICSB.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	700262	698925	701509	700232	0.18	cps
Antimony	121-1	87041	87393	84475	86303	1.85	cps
Arsenic	75-2	2208	2337	2258	2267	2.88	cps
Barium	135-1	16811	16411	17729	16984	3.98	cps
Barium	137-1	30411	29267	28907	29528	2.66	cps
Beryllium	9-1	18065	18155	17905	18042	0.70	cps
Bismuth	209-1	1390844	1409830	1450557	1417077	2.15	cps
Bismuth	209-2	727455	737777	726449	730560	0.86	cps
Boron	10-1	7686	7894	7044	7541	5.88	cps
Boron	11-1	36656	37299	36957	36971	0.87	cps
Cadmium	111-1	20099	20187	20323	20203	0.56	cps
Cadmium	106-1	2750	3342	3534	3209	12.73	cps
Cadmium	108-1	2142	2238	2396	2259	5.68	cps
Calcium	43-1	1449739	1447969	1457956	1451888	0.37	cps
Calcium	44-1	23068780	23116182	23148840	23111267	0.17	cps
Chromium	52-2	37317	36501	36327	36715	1.44	cps
Cobalt	59-2	34797	35245	34216	34752	1.48	cps
Copper	63-2	40131	40298	40546	40325	0.52	cps
Dysprosium	156-1	50	0	17	22	114.56	cps
Dysprosium	156-2	13	0	3	6	124.93	cps
Erbium	164-1	50	42	25	39	32.73	cps
Erbium	164-2	3	3	0	2	86.60	cps
Gadolinium	160-1	42	17	17	25	57.73	cps
Gadolinium	160-2	13	13	20	16	24.76	cps
Holmium	165-1	2578580	2634426	2724852	2645953	2.79	cps
Holmium	165-2	1055966	1046554	1029226	1043915	1.30	cps
Indium	115-1	2631497	2724350	2739214	2698354	2.16	cps
Indium	115-2	217876	217995	213918	216596	1.07	cps
Iron	56-2	57108550	57003475	57576449	57229491	0.53	cps
Iron	57-2	1465329	1454268	1456032	1458543	0.41	cps
Krypton	83-1	513	600	663	592	12.72	cps
Lead	206-1	42611	43369	44205	43395	1.84	cps
Lead	207-1	35718	36464	36029	36070	1.04	cps
Lead	208-1	165835	166243	166024	166034	0.12	cps
Lithium	6-1	408205	417145	419671	415007	1.45	cps
Magnesium	24-2	3449307	3493308	3445383	3462666	0.77	cps

LB Number :	LB100404	Operator :	Jaswal
Lab Sample ID :	ICSAB01	Instrumnet Name :	P8
Client Sample ID :	ICSAB01	Dilution Factor :	1
Date & Time Acquired ::	2019-01-18 16:20:53	DataFile Name :	016ICSB.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	7355	7149	7392	7299	1.80	cps
Molybdenum	94-1	2411090	2456063	2437066	2434740	0.93	cps
Molybdenum	95-1	4044817	4100249	4004251	4049772	1.19	cps
Molybdenum	96-1	4301960	4294831	4287593	4294794	0.17	cps
Molybdenum	97-1	2446812	2484094	2465891	2465599	0.76	cps
Molybdenum	98-1	6299544	6302241	6350978	6317587	0.46	cps
Neodymium	150-1	33	0	60	31	96.62	cps
Neodymium	150-2	17	3	3	8	99.04	cps
Nickel	60-2	12252	12312	11889	12151	1.89	cps
Phosphorus	31-2	66364	64222	66364	65650	1.88	cps
Potassium	39-2	2073429	2074573	2082013	2076672	0.22	cps
Rhodium	103-1	2641956	2706802	2740367	2696375	1.86	cps
Rhodium	103-2	1100647	1107653	1086632	1098310	0.97	cps
Scandium	45-1	2522779	2509452	2609010	2547080	2.12	cps
Scandium	45-2	32491	33042	32641	32725	0.87	cps
Selenium	77-2	13	13	37	21	63.83	cps
Selenium	78-2	76	63	57	65	14.53	cps
Selenium	82-1	1536	1495	1378	1470	5.60	cps
Silicon	28-1	668347	667735	664841	666974	0.28	cps
Silver	109-1	85187	86545	84968	85567	1.00	cps
Silver	107-1	91586	91879	89783	91082	1.25	cps
Sodium	23-2	7827278	7883207	7795128	7835204	0.57	cps
Strontium	86-1	113991	113192	111276	112820	1.24	cps
Strontium	88-1	970348	966887	967024	968086	0.20	cps
Sulfur	34-1	2281097	2317845	2315445	2304796	0.89	cps
Terbium	159-1	2791046	2813679	2933301	2846009	2.69	cps
Terbium	159-2	1056770	1052280	1045538	1051529	0.54	cps
Thallium	203-1	42414	42673	43868	42985	1.81	cps
Thallium	205-1	101941	105480	104613	104011	1.77	cps
Tin	118-1	147869	148550	146688	147702	0.64	cps
Titanium	47-1	1515919	1491232	1486120	1497757	1.06	cps
Uranium	238-1	333315	332303	332858	332825	0.15	cps
Vanadium	51-2	12172	12326	12352	12283	0.79	cps
Yttrium	89-1	3242815	3300248	3377772	3306945	2.05	cps
Yttrium	89-2	185050	182049	180661	182587	1.23	cps
Zinc	66-2	4814	4804	4774	4798	0.43	cps

LB Number :	LB100404	Operator :	Jaswal
Lab Sample ID :	ICSAB01	Instrumnet Name :	P8
Client Sample ID :	ICSAB01	Dilution Factor :	1
Date & Time Acquired ::	2019-01-18 16:20:53	DataFile Name :	016ICSB.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	90-1	378773	379277	380221	379424	0.19	cps
Zirconium	91-1	82576	85233	83422	83744	1.62	cps

LB Number :	LB100404	Operator :	Jaswal
Lab Sample ID :	CCV47	Instrumnet Name :	P8
Client Sample ID :	CCV47	Dilution Factor :	1
Date & Time Acquired ::	2019-01-18 16:24:31	DataFile Name :	017CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	422919	423256	426729	424301	0.50	cps
Antimony	121-1	2169725	2169227	2132859	2157270	0.98	cps
Arsenic	75-2	59719	59250	60245	59738	0.83	cps
Barium	135-1	2091040	2118495	2066365	2091967	1.25	cps
Barium	137-1	3576008	3608026	3593938	3592657	0.45	cps
Beryllium	9-1	448942	447410	447240	447864	0.21	cps
Bismuth	209-1	1421909	1337759	1381212	1380293	3.05	cps
Bismuth	209-2	724096	720633	721588	722105	0.25	cps
Boron	10-1	61524	63466	63014	62668	1.62	cps
Boron	11-1	307734	313997	317931	313220	1.64	cps
Cadmium	111-1	490778	486515	485155	487483	0.60	cps
Cadmium	106-1	53156	52252	51549	52319	1.54	cps
Cadmium	108-1	35305	36529	35710	35848	1.74	cps
Calcium	43-1	3631963	3710814	3727409	3690062	1.38	cps
Calcium	44-1	58175847	59066994	59150449	58797764	0.92	cps
Chromium	52-2	450931	452518	451385	451611	0.18	cps
Cobalt	59-2	851319	843725	844326	846456	0.50	cps
Copper	63-2	1374947	1367795	1377390	1373378	0.36	cps
Dysprosium	156-1	50	75	58	61	20.83	cps
Dysprosium	156-2	3	17	3	8	99.04	cps
Erbium	164-1	67	25	17	36	74.18	cps
Erbium	164-2	13	17	7	12	41.65	cps
Gadolinium	160-1	0	33	58	31	95.79	cps
Gadolinium	160-2	7	17	27	17	59.99	cps
Holmium	165-1	2635965	2518107	2625147	2593073	2.51	cps
Holmium	165-2	1036898	1031172	1043281	1037117	0.58	cps
Indium	115-1	2645622	2474132	2624348	2581367	3.62	cps
Indium	115-2	213934	210907	213668	212836	0.79	cps
Iron	56-2	73774679	73639960	74160696	73858445	0.37	cps
Iron	57-2	1880536	1885193	1886309	1884013	0.16	cps
Krypton	83-1	650	740	723	704	6.80	cps
Lead	206-1	859438	864990	853546	859324	0.67	cps
Lead	207-1	773243	768687	768590	770174	0.35	cps
Lead	208-1	3568651	3520308	3505197	3531385	0.94	cps
Lithium	6-1	406381	389810	398095	398095	2.08	cps
Magnesium	24-2	8846173	8791265	8834361	8823933	0.33	cps

LB Number :	LB100404	Operator :	Jaswal
Lab Sample ID :	CCV47	Instrumnet Name :	P8
Client Sample ID :	CCV47	Dilution Factor :	1
Date & Time Acquired ::	2019-01-18 16:24:31	DataFile Name :	017CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	274886	274405	276972	275421	0.50	cps
Molybdenum	94-1	4174366	4218999	4187014	4193459	0.55	cps
Molybdenum	95-1	5218321	5140794	5176889	5178668	0.75	cps
Molybdenum	96-1	5652457	5681598	5637753	5657269	0.39	cps
Molybdenum	97-1	3166138	3165114	3169554	3166935	0.07	cps
Molybdenum	98-1	8061786	8139873	8038706	8080122	0.66	cps
Neodymium	150-1	153	133	100	129	20.91	cps
Neodymium	150-2	7	10	7	8	24.71	cps
Nickel	60-2	251163	247103	247910	248726	0.86	cps
Phosphorus	31-2	6719	6919	7052	6896	2.43	cps
Potassium	39-2	2715448	2689256	2703879	2702861	0.49	cps
Rhodium	103-1	2668647	2591650	2671672	2643990	1.72	cps
Rhodium	103-2	1096213	1086311	1092387	1091637	0.46	cps
Scandium	45-1	2558945	2489909	2549204	2532686	1.48	cps
Scandium	45-2	34793	34556	33614	34321	1.82	cps
Selenium	77-2	483	460	470	471	2.48	cps
Selenium	78-2	1391	1430	1509	1443	4.19	cps
Selenium	82-1	39167	38916	38957	39013	0.34	cps
Silicon	28-1	2053069	2068025	2079579	2066891	0.64	cps
Silver	109-1	2257989	2247565	2251749	2252434	0.23	cps
Silver	107-1	2413162	2393647	2373049	2393286	0.84	cps
Sodium	23-2	20050227	20218721	20250210	20173053	0.53	cps
Strontium	86-1	664148	672950	667796	668298	0.66	cps
Strontium	88-1	5746413	5726498	5687270	5720060	0.53	cps
Sulfur	34-1	758610	753345	750045	754000	0.57	cps
Terbium	159-1	2837466	2748044	2832325	2805945	1.79	cps
Terbium	159-2	1060941	1052261	1040258	1051154	0.99	cps
Thallium	203-1	1069183	1084947	1072733	1075621	0.77	cps
Thallium	205-1	2621911	2642332	2595896	2620046	0.89	cps
Tin	118-1	1420615	1419298	1425460	1421791	0.23	cps
Titanium	47-1	1870980	1906708	1884719	1887469	0.95	cps
Uranium	238-1	3257270	3204844	3163105	3208406	1.47	cps
Vanadium	51-2	330007	330709	331347	330687	0.20	cps
Yttrium	89-1	3388576	3224520	3343990	3319029	2.56	cps
Yttrium	89-2	187377	185423	187234	186678	0.58	cps
Zinc	66-2	157638	156627	157665	157310	0.38	cps

LB Number :	LB100404	Operator :	Jaswal
Lab Sample ID :	CCV47	Instrumnet Name :	P8
Client Sample ID :	CCV47	Dilution Factor :	1
Date & Time Acquired ::	2019-01-18 16:24:31	DataFile Name :	017CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	90-1	3545644	3600371	3583056	3576357	0.78	cps
Zirconium	91-1	788699	790034	783705	787479	0.42	cps

LB Number : LB100404 Operator : Jaswal
 Lab Sample ID : CCB47 Instrumnet Name : P8
 Client Sample ID : CCB47 Dilution Factor : 1
 Date & Time Acquired :: 2019-01-18 16:30:21 DataFile Name : 018CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	58	25	43	42	39.04	cps
Antimony	121-1	650	767	808	742	11.07	cps
Arsenic	75-2	7	11	7	9	24.71	cps
Barium	135-1	50	50	25	42	34.64	cps
Barium	137-1	25	50	33	36	35.25	cps
Beryllium	9-1	67	77	47	63	24.12	cps
Bismuth	209-1	1418746	1420789	1389727	1409754	1.23	cps
Bismuth	209-2	757245	752815	738420	749493	1.31	cps
Boron	10-1	692	625	583	633	8.63	cps
Boron	11-1	3159	3284	3334	3259	2.77	cps
Cadmium	111-1	513	526	592	543	7.80	cps
Cadmium	106-1	717	742	842	767	8.63	cps
Cadmium	108-1	8	8	8	8	0.00	cps
Calcium	43-1	350	373	410	378	8.01	cps
Calcium	44-1	44972	43889	45015	44625	1.43	cps
Chromium	52-2	1923	2230	1940	2031	8.49	cps
Cobalt	59-2	120	103	100	108	9.94	cps
Copper	63-2	700	660	660	673	3.43	cps
Dysprosium	156-1	17	17	8	14	34.67	cps
Dysprosium	156-2	0	0	0	0	0.00	cps
Erbium	164-1	33	17	33	28	34.63	cps
Erbium	164-2	7	0	0	2	173.21	cps
Gadolinium	160-1	50	25	25	33	43.30	cps
Gadolinium	160-2	0	10	10	7	86.60	cps
Holmium	165-1	2569346	2529608	2495046	2531333	1.47	cps
Holmium	165-2	1036489	1038432	1012394	1029105	1.41	cps
Indium	115-1	2649502	2648486	2578859	2625616	1.54	cps
Indium	115-2	223469	222647	219728	221948	0.89	cps
Iron	56-2	4284	4362	4084	4243	3.38	cps
Iron	57-2	156	189	106	150	27.96	cps
Krypton	83-1	630	640	643	638	1.09	cps
Lead	206-1	506	411	378	432	15.36	cps
Lead	207-1	383	411	350	382	8.02	cps
Lead	208-1	1633	1711	1639	1661	2.61	cps
Lithium	6-1	393139	391471	381362	388657	1.64	cps
Magnesium	24-2	400	342	392	378	8.35	cps

LB Number : LB100404 Operator : Jaswal
 Lab Sample ID : CCB47 Instrumnet Name : P8
 Client Sample ID : CCB47 Dilution Factor : 1
 Date & Time Acquired :: 2019-01-18 16:30:21 DataFile Name : 018CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	73	100	77	83	17.44	cps
Molybdenum	94-1	317	408	367	364	12.61	cps
Molybdenum	95-1	258	250	225	244	7.10	cps
Molybdenum	96-1	317	217	400	311	29.50	cps
Molybdenum	97-1	292	400	392	361	16.70	cps
Molybdenum	98-1	433	375	383	397	7.94	cps
Neodymium	150-1	0	7	0	2	173.21	cps
Neodymium	150-2	0	0	0	0	0.00	cps
Nickel	60-2	147	100	127	124	18.81	cps
Phosphorus	31-2	8	8	0	6	86.60	cps
Potassium	39-2	7277	7444	6752	7158	5.05	cps
Rhodium	103-1	2747272	2738917	2682269	2722819	1.30	cps
Rhodium	103-2	1164529	1161434	1144630	1156864	0.93	cps
Scandium	45-1	2506754	2495510	2441030	2481098	1.42	cps
Scandium	45-2	33276	33143	32882	33100	0.61	cps
Selenium	77-2	7	0	3	3	100.05	cps
Selenium	78-2	2	9	4	5	78.12	cps
Selenium	82-1	-74	-88	-94	-86	-11.71	cps
Silicon	28-1	352712	348375	348230	349772	0.73	cps
Silver	109-1	450	333	450	411	16.39	cps
Silver	107-1	492	383	458	444	12.48	cps
Sodium	23-2	20524	19214	19464	19734	3.52	cps
Strontium	86-1	783	1033	900	906	13.81	cps
Strontium	88-1	67	58	108	78	34.44	cps
Sulfur	34-1	479200	479779	480101	479694	0.10	cps
Terbium	159-1	2779342	2792641	2674389	2748791	2.36	cps
Terbium	159-2	1057379	1054048	1038762	1050063	0.95	cps
Thallium	203-1	92	142	183	139	33.04	cps
Thallium	205-1	350	383	292	342	13.58	cps
Tin	118-1	250	258	258	256	1.88	cps
Titanium	47-1	217	100	158	158	36.84	cps
Uranium	238-1	58	33	58	50	28.88	cps
Vanadium	51-2	27	13	23	21	32.88	cps
Yttrium	89-1	3312302	3245721	3152771	3236931	2.48	cps
Yttrium	89-2	188555	185876	181614	185348	1.89	cps
Zinc	66-2	60	53	50	54	9.35	cps

LB Number :	LB100404	Operator :	Jaswal
Lab Sample ID :	CCB47	Instrumnet Name :	P8
Client Sample ID :	CCB47	Dilution Factor :	1
Date & Time Acquired ::	2019-01-18 16:30:21	DataFile Name :	018CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	90-1	258	267	225	250	8.82	cps
Zirconium	91-1	67	50	117	78	44.61	cps

LB Number :	LB100404	Operator :	Jaswal
Lab Sample ID :	CRI	Instrumnet Name :	P8
Client Sample ID :	CRI	Dilution Factor :	1
Date & Time Acquired ::	2019-01-18 16:33:56	DataFile Name :	019LLCC.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	218	230	248	232	6.51	cps
Antimony	121-1	7794	7619	7769	7728	1.23	cps
Arsenic	75-2	122	117	126	122	3.83	cps
Barium	135-1	7369	7469	7461	7433	0.75	cps
Barium	137-1	13324	14058	13224	13535	3.37	cps
Beryllium	9-1	827	920	853	867	5.55	cps
Bismuth	209-1	1411977	1410726	1554985	1459229	5.68	cps
Bismuth	209-2	750971	750406	733170	744849	1.36	cps
Boron	10-1	2859	3109	3501	3156	10.25	cps
Boron	11-1	15442	15684	15442	15523	0.90	cps
Cadmium	111-1	1407	1436	1430	1424	1.06	cps
Cadmium	106-1	775	875	975	875	11.43	cps
Cadmium	108-1	63	104	75	81	26.54	cps
Calcium	43-1	7315	7786	7389	7497	3.37	cps
Calcium	44-1	158204	158080	157305	157863	0.31	cps
Chromium	52-2	3607	3714	3834	3718	3.05	cps
Cobalt	59-2	1650	1733	1687	1690	2.47	cps
Copper	63-2	3344	3347	3414	3368	1.17	cps
Dysprosium	156-1	33	17	33	28	34.63	cps
Dysprosium	156-2	0	0	3	1	173.21	cps
Erbium	164-1	0	17	33	17	99.99	cps
Erbium	164-2	3	0	3	2	86.60	cps
Gadolinium	160-1	67	17	25	36	74.18	cps
Gadolinium	160-2	0	0	7	2	173.21	cps
Holmium	165-1	2506896	2545036	2703665	2585199	4.04	cps
Holmium	165-2	1033007	1029674	1009602	1024094	1.24	cps
Indium	115-1	2602778	2644805	2855201	2700928	5.01	cps
Indium	115-2	222391	221984	217449	220608	1.24	cps
Iron	56-2	34343	35869	35117	35110	2.17	cps
Iron	57-2	967	783	950	900	11.27	cps
Krypton	83-1	663	667	730	687	5.47	cps
Lead	206-1	2000	1978	1989	1989	0.56	cps
Lead	207-1	1667	1834	1572	1691	7.82	cps
Lead	208-1	7868	7907	7534	7770	2.63	cps
Lithium	6-1	379020	388223	409410	392218	3.97	cps
Magnesium	24-2	17311	17603	18638	17851	3.91	cps

LB Number :	LB100404	Operator :	Jaswal
Lab Sample ID :	CRI	Instrumnet Name :	P8
Client Sample ID :	CRI	Dilution Factor :	1
Date & Time Acquired ::	2019-01-18 16:33:56	DataFile Name :	019LLCC.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	420	353	407	393	8.97	cps
Molybdenum	94-1	8270	7586	8119	7992	4.50	cps
Molybdenum	95-1	10121	10563	9737	10140	4.07	cps
Molybdenum	96-1	10947	11188	10880	11005	1.47	cps
Molybdenum	97-1	6535	6310	6235	6360	2.46	cps
Molybdenum	98-1	15017	15109	15676	15267	2.34	cps
Neodymium	150-1	0	7	7	4	86.60	cps
Neodymium	150-2	0	0	0	0	0.00	cps
Nickel	60-2	587	567	613	589	3.98	cps
Phosphorus	31-2	42	25	42	36	26.65	cps
Potassium	39-2	17420	16318	16802	16847	3.28	cps
Rhodium	103-1	2709952	2778980	2997392	2828775	5.30	cps
Rhodium	103-2	1152625	1144948	1132556	1143376	0.89	cps
Scandium	45-1	2516623	2500590	2775573	2597595	5.94	cps
Scandium	45-2	33560	32718	32458	32912	1.75	cps
Selenium	77-2	7	7	3	6	34.70	cps
Selenium	78-2	15	20	7	14	45.80	cps
Selenium	82-1	275	316	171	254	29.37	cps
Silicon	28-1	379998	385613	374957	380189	1.40	cps
Silver	109-1	4626	5076	4734	4812	4.88	cps
Silver	107-1	4834	4976	5110	4973	2.77	cps
Sodium	23-2	56982	56454	56572	56669	0.49	cps
Strontium	86-1	1984	1984	2250	2072	7.43	cps
Strontium	88-1	10821	10997	10655	10824	1.58	cps
Sulfur	34-1	476576	473262	477625	475821	0.48	cps
Terbium	159-1	2727846	2718017	2955535	2800466	4.80	cps
Terbium	159-2	1038945	1036771	1024587	1033435	0.75	cps
Thallium	203-1	2250	2109	2209	2189	3.33	cps
Thallium	205-1	4818	5276	5235	5110	4.96	cps
Tin	118-1	13274	13849	13791	13638	2.32	cps
Titanium	47-1	3751	3601	3609	3653	2.31	cps
Uranium	238-1	5618	5268	5760	5549	4.56	cps
Vanadium	51-2	3210	3290	3280	3260	1.34	cps
Yttrium	89-1	3278124	3253777	3573456	3368452	5.28	cps
Yttrium	89-2	185804	182843	182137	183595	1.06	cps
Zinc	66-2	397	420	373	397	5.88	cps

LB Number :	LB100404	Operator :	Jaswal
Lab Sample ID :	CRI	Instrumnet Name :	P8
Client Sample ID :	CRI	Dilution Factor :	1
Date & Time Acquired ::	2019-01-18 16:33:56	DataFile Name :	019LLCC.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	90-1	6552	6735	6869	6719	2.37	cps
Zirconium	91-1	1483	1634	1475	1531	5.82	cps

LB Number : LB100404 Operator : Jaswal
 Lab Sample ID : K1089-23DLX5 Instrumnet Name : P8
 Client Sample ID : EPA-MW-38-OB-010820 Dilution Factor : 5
 Date & Time Acquired :: 2019-01-18 16:55:38 DataFile Name : 020SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	108	88	100	98	10.28	cps
Antimony	121-1	692	708	500	633	18.28	cps
Arsenic	75-2	46	35	30	37	22.91	cps
Barium	135-1	4743	4618	4576	4645	1.87	cps
Barium	137-1	8028	8745	8428	8400	4.28	cps
Beryllium	9-1	40	27	23	30	29.40	cps
Bismuth	209-1	1204691	1321686	1292152	1272843	4.78	cps
Bismuth	209-2	662793	653061	617442	644432	3.70	cps
Boron	10-1	32621	32889	31770	32427	1.80	cps
Boron	11-1	168988	166744	168405	168046	0.69	cps
Cadmium	111-1	415	590	453	486	18.92	cps
Cadmium	106-1	592	833	633	686	18.83	cps
Cadmium	108-1	17	21	17	18	13.30	cps
Calcium	43-1	128770	130364	128783	129305	0.71	cps
Calcium	44-1	2170399	2206085	2156569	2177684	1.17	cps
Chromium	52-2	7159	6972	7152	7094	1.49	cps
Cobalt	59-2	363	363	343	357	3.24	cps
Copper	63-2	7122	6979	6858	6986	1.89	cps
Dysprosium	156-1	8	8	17	11	43.34	cps
Dysprosium	156-2	0	0	0	0	0.00	cps
Erbium	164-1	25	17	8	17	50.01	cps
Erbium	164-2	0	10	7	6	91.64	cps
Gadolinium	160-1	33	33	25	31	15.74	cps
Gadolinium	160-2	17	3	7	9	78.08	cps
Holmium	165-1	2162671	2393273	2300129	2285358	5.08	cps
Holmium	165-2	922357	901479	852397	892078	4.03	cps
Indium	115-1	2324597	2558483	2482019	2455033	4.86	cps
Indium	115-2	196975	196552	184388	192638	3.71	cps
Iron	56-2	223939	219333	211284	218185	2.94	cps
Iron	57-2	5468	5768	5207	5481	5.12	cps
Krypton	83-1	543	643	663	617	10.43	cps
Lead	206-1	456	367	483	435	14.00	cps
Lead	207-1	311	417	361	363	14.55	cps
Lead	208-1	1789	1767	1689	1748	3.00	cps
Lithium	6-1	306007	317729	305556	309764	2.23	cps
Magnesium	24-2	117919	116189	113072	115727	2.12	cps

LB Number :	LB100404	Operator :	Jaswal
Lab Sample ID :	K1089-23DLX5	Instrumnet Name :	P8
Client Sample ID :	EPA-MW-38-OB-010820	Dilution Factor :	5
Date & Time Acquired ::	2019-01-18 16:55:38	DataFile Name :	020SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	94376	93671	90756	92934	2.07	cps
Molybdenum	94-1	2209	1975	1942	2042	7.12	cps
Molybdenum	95-1	3226	2784	2817	2942	8.36	cps
Molybdenum	96-1	3092	3259	2992	3114	4.33	cps
Molybdenum	97-1	1750	2267	1892	1970	13.56	cps
Molybdenum	98-1	4109	4868	4276	4418	9.02	cps
Neodymium	150-1	20	7	7	11	69.25	cps
Neodymium	150-2	7	3	0	3	100.05	cps
Nickel	60-2	367	290	330	329	11.66	cps
Phosphorus	31-2	42	67	33	47	36.74	cps
Potassium	39-2	23278	23153	21701	22711	3.86	cps
Rhodium	103-1	2317247	2608798	2464410	2463485	5.92	cps
Rhodium	103-2	1034983	1027327	967013	1009775	3.69	cps
Scandium	45-1	2080320	2315389	2244372	2213361	5.45	cps
Scandium	45-2	29094	29601	27407	28701	4.00	cps
Selenium	77-2	0	10	0	3	173.21	cps
Selenium	78-2	6	4	2	4	50.09	cps
Selenium	82-1	0	-159	-153	-104	-86.53	cps
Silicon	28-1	11564238	11553889	11287978	11468701	1.37	cps
Silver	109-1	6727	6602	6027	6452	5.79	cps
Silver	107-1	7369	7169	6243	6927	8.67	cps
Sodium	23-2	5779916	5679415	5492029	5650453	2.59	cps
Strontium	86-1	137185	137741	135779	136902	0.74	cps
Strontium	88-1	1156471	1200198	1172686	1176452	1.88	cps
Sulfur	34-1	441165	426395	410739	426099	3.57	cps
Terbium	159-1	2385310	2598008	2549659	2510992	4.44	cps
Terbium	159-2	931944	920638	868826	907136	3.71	cps
Thallium	203-1	58	17	33	36	58.08	cps
Thallium	205-1	125	150	125	133	10.82	cps
Tin	118-1	433	608	542	528	16.73	cps
Titanium	47-1	483	425	442	450	6.68	cps
Uranium	238-1	1025	1208	1067	1100	8.74	cps
Vanadium	51-2	207	180	230	206	12.17	cps
Yttrium	89-1	2766869	3083839	3009837	2953515	5.61	cps
Yttrium	89-2	163091	163499	150994	159195	4.46	cps
Zinc	66-2	443	437	447	442	1.15	cps

LB Number :	LB100404	Operator :	Jaswal
Lab Sample ID :	K1089-23DLX5	Instrumnet Name :	P8
Client Sample ID :	EPA-MW-38-OB-010820	Dilution Factor :	5
Date & Time Acquired ::	2019-01-18 16:55:38	DataFile Name :	020SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	90-1	933	1184	1000	1039	12.47	cps
Zirconium	91-1	192	158	258	203	25.11	cps

LB Number :	LB100404	Operator :	Jaswal
Lab Sample ID :	CCV48	Instrumnet Name :	P8
Client Sample ID :	CCV48	Dilution Factor :	1
Date & Time Acquired ::	2019-01-18 16:59:12	DataFile Name :	021CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	402937	399401	401890	401410	0.45	cps
Antimony	121-1	2164691	2113606	2091857	2123384	1.76	cps
Arsenic	75-2	57222	56982	57037	57080	0.22	cps
Barium	135-1	2058797	2036025	2051637	2048820	0.57	cps
Barium	137-1	3523731	3495608	3478615	3499318	0.65	cps
Beryllium	9-1	386638	393009	394645	391431	1.08	cps
Bismuth	209-1	1388787	1401476	1294524	1361596	4.29	cps
Bismuth	209-2	677663	669583	646491	664579	2.43	cps
Boron	10-1	53275	56864	56814	55651	3.70	cps
Boron	11-1	267931	278082	281515	275842	2.56	cps
Cadmium	111-1	479469	485266	485289	483341	0.69	cps
Cadmium	106-1	52369	51984	51667	52007	0.68	cps
Cadmium	108-1	36002	34900	35351	35418	1.57	cps
Calcium	43-1	3487230	3544005	3534097	3521777	0.86	cps
Calcium	44-1	56087493	55966546	56436572	56163537	0.43	cps
Chromium	52-2	437093	431979	434492	434521	0.59	cps
Cobalt	59-2	817495	819571	827614	821560	0.65	cps
Copper	63-2	1312542	1338698	1318440	1323227	1.04	cps
Dysprosium	156-1	17	42	83	47	71.32	cps
Dysprosium	156-2	7	17	3	9	78.08	cps
Erbium	164-1	25	8	17	17	50.01	cps
Erbium	164-2	0	10	7	6	91.64	cps
Gadolinium	160-1	92	25	33	50	72.65	cps
Gadolinium	160-2	10	7	10	9	21.63	cps
Holmium	165-1	2612801	2672238	2452721	2579253	4.40	cps
Holmium	165-2	991224	983477	958553	977751	1.75	cps
Indium	115-1	2589612	2628049	2457394	2558352	3.50	cps
Indium	115-2	203168	201774	197826	200923	1.38	cps
Iron	56-2	70471950	70617582	71648607	70912713	0.90	cps
Iron	57-2	1779942	1819320	1827022	1808761	1.40	cps
Krypton	83-1	660	603	640	634	4.53	cps
Lead	206-1	850173	844087	835173	843144	0.89	cps
Lead	207-1	766166	759617	753024	759602	0.87	cps
Lead	208-1	3496738	3456973	3435466	3463059	0.90	cps
Lithium	6-1	335934	339455	323942	333110	2.44	cps
Magnesium	24-2	8420272	8321404	8358728	8366802	0.60	cps

LB Number :	LB100404	Operator :	Jaswal
Lab Sample ID :	CCV48	Instrumnet Name :	P8
Client Sample ID :	CCV48	Dilution Factor :	1
Date & Time Acquired ::	2019-01-18 16:59:12	DataFile Name :	021CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	260536	261628	262881	261682	0.45	cps
Molybdenum	94-1	4153299	4155982	4153512	4154264	0.04	cps
Molybdenum	95-1	5145335	5162132	5099651	5135706	0.63	cps
Molybdenum	96-1	5603188	5619221	5583953	5602121	0.32	cps
Molybdenum	97-1	3079494	3105858	3112425	3099259	0.56	cps
Molybdenum	98-1	7920253	7907016	8000778	7942682	0.64	cps
Neodymium	150-1	127	133	133	131	2.94	cps
Neodymium	150-2	20	17	7	14	48.02	cps
Nickel	60-2	240697	241082	240363	240714	0.15	cps
Phosphorus	31-2	6627	6518	6769	6638	1.89	cps
Potassium	39-2	2579187	2570718	2585562	2578489	0.29	cps
Rhodium	103-1	2649664	2704413	2540499	2631525	3.17	cps
Rhodium	103-2	1057247	1047798	1036810	1047285	0.98	cps
Scandium	45-1	2478955	2577788	2365984	2474242	4.28	cps
Scandium	45-2	32230	33006	31502	32246	2.33	cps
Selenium	77-2	420	473	473	456	6.76	cps
Selenium	78-2	1411	1443	1509	1454	3.45	cps
Selenium	82-1	38056	38290	38299	38215	0.36	cps
Silicon	28-1	1841104	1852250	1881856	1858403	1.13	cps
Silver	109-1	2239622	2221186	2189823	2216877	1.14	cps
Silver	107-1	2375623	2346231	2350717	2357524	0.67	cps
Sodium	23-2	19118093	19209204	19061534	19129611	0.39	cps
Strontium	86-1	649804	655623	657625	654350	0.62	cps
Strontium	88-1	5565731	5684056	5601795	5617194	1.08	cps
Sulfur	34-1	691393	702305	702402	698700	0.91	cps
Terbium	159-1	2823552	2898984	2696214	2806250	3.65	cps
Terbium	159-2	983315	976343	959190	972949	1.28	cps
Thallium	203-1	1057429	1053392	1043583	1051468	0.68	cps
Thallium	205-1	2543601	2578892	2511119	2544537	1.33	cps
Tin	118-1	1410625	1396029	1390803	1399152	0.73	cps
Titanium	47-1	1827571	1825438	1832448	1828485	0.20	cps
Uranium	238-1	3117604	3147042	3092016	3118887	0.88	cps
Vanadium	51-2	318982	317597	318990	318523	0.25	cps
Yttrium	89-1	3312977	3409003	3168099	3296693	3.68	cps
Yttrium	89-2	177376	176192	174594	176054	0.79	cps
Zinc	66-2	146628	149872	151204	149235	1.58	cps

LB Number :	LB100404	Operator :	Jaswal
Lab Sample ID :	CCV48	Instrumnet Name :	P8
Client Sample ID :	CCV48	Dilution Factor :	1
Date & Time Acquired ::	2019-01-18 16:59:12	DataFile Name :	021CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	90-1	3463538	3554596	3559048	3525728	1.53	cps
Zirconium	91-1	767325	771443	768259	769009	0.28	cps

LB Number : LB100404 Operator : Jaswal
 Lab Sample ID : CCB48 Instrumnet Name : P8
 Client Sample ID : CCB48 Dilution Factor : 1
 Date & Time Acquired :: 2019-01-18 17:08:11 DataFile Name : 022CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	30	53	43	42	27.05	cps
Antimony	121-1	450	583	650	561	18.15	cps
Arsenic	75-2	13	9	11	11	16.65	cps
Barium	135-1	75	0	33	36	104.06	cps
Barium	137-1	33	8	25	22	57.29	cps
Beryllium	9-1	47	20	43	37	39.63	cps
Bismuth	209-1	1294971	1411376	1452971	1386439	5.91	cps
Bismuth	209-2	725388	707142	697456	709995	2.00	cps
Boron	10-1	492	500	442	478	6.60	cps
Boron	11-1	2342	2359	2575	2425	5.37	cps
Cadmium	111-1	523	484	592	533	10.24	cps
Cadmium	106-1	750	683	850	761	11.02	cps
Cadmium	108-1	8	4	17	10	65.47	cps
Calcium	43-1	367	270	317	318	15.21	cps
Calcium	44-1	38620	38830	37480	38310	1.90	cps
Chromium	52-2	2217	1950	2017	2061	6.73	cps
Cobalt	59-2	100	63	117	93	29.23	cps
Copper	63-2	797	730	793	773	4.86	cps
Dysprosium	156-1	0	8	17	8	100.02	cps
Dysprosium	156-2	0	7	3	3	100.05	cps
Erbium	164-1	17	25	17	19	24.73	cps
Erbium	164-2	3	0	7	3	100.05	cps
Gadolinium	160-1	25	25	8	19	49.50	cps
Gadolinium	160-2	3	10	0	4	114.60	cps
Holmium	165-1	2325300	2536467	2634611	2498793	6.33	cps
Holmium	165-2	998224	969332	965829	977795	1.82	cps
Indium	115-1	2450775	2670492	2706588	2609285	5.31	cps
Indium	115-2	217442	209328	207568	211446	2.49	cps
Iron	56-2	4156	4384	4306	4282	2.70	cps
Iron	57-2	117	122	117	119	2.71	cps
Krypton	83-1	607	663	597	622	5.78	cps
Lead	206-1	306	317	367	330	9.87	cps
Lead	207-1	256	328	239	274	17.24	cps
Lead	208-1	1261	1317	1122	1233	8.12	cps
Lithium	6-1	325450	348904	352151	342168	4.26	cps
Magnesium	24-2	458	367	475	433	13.46	cps

LB Number :	LB100404	Operator :	Jaswal
Lab Sample ID :	CCB48	Instrumnet Name :	P8
Client Sample ID :	CCB48	Dilution Factor :	1
Date & Time Acquired ::	2019-01-18 17:08:11	DataFile Name :	022CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	93	107	70	90	20.62	cps
Molybdenum	94-1	242	250	217	236	7.35	cps
Molybdenum	95-1	158	258	208	208	24.00	cps
Molybdenum	96-1	242	225	233	233	3.57	cps
Molybdenum	97-1	417	250	350	339	24.75	cps
Molybdenum	98-1	225	325	208	253	24.96	cps
Neodymium	150-1	0	7	7	4	86.60	cps
Neodymium	150-2	0	0	3	1	173.21	cps
Nickel	60-2	113	97	80	97	17.24	cps
Phosphorus	31-2	25	25	33	28	17.31	cps
Potassium	39-2	6352	6185	6235	6257	1.37	cps
Rhodium	103-1	2567869	2786855	2836274	2730333	5.23	cps
Rhodium	103-2	1134956	1098201	1090615	1107924	2.14	cps
Scandium	45-1	2278848	2518229	2565374	2454150	6.26	cps
Scandium	45-2	32999	32585	32114	32566	1.36	cps
Selenium	77-2	0	0	0	0	0.00	cps
Selenium	78-2	4	2	4	3	34.64	cps
Selenium	82-1	-80	-135	-57	-91	-44.23	cps
Silicon	28-1	321297	324364	326165	323942	0.76	cps
Silver	109-1	275	192	233	233	17.86	cps
Silver	107-1	275	183	308	256	25.33	cps
Sodium	23-2	16702	16635	16327	16555	1.21	cps
Strontium	86-1	792	942	767	833	11.36	cps
Strontium	88-1	58	67	117	81	39.16	cps
Sulfur	34-1	459502	461328	464197	461676	0.51	cps
Terbium	159-1	2542514	2749358	2781681	2691184	4.82	cps
Terbium	159-2	1006367	988450	984669	993162	1.17	cps
Thallium	203-1	67	25	92	61	55.11	cps
Thallium	205-1	250	225	208	228	9.21	cps
Tin	118-1	258	267	217	247	10.84	cps
Titanium	47-1	67	92	117	92	27.27	cps
Uranium	238-1	50	8	33	31	68.64	cps
Vanadium	51-2	17	17	13	16	12.40	cps
Yttrium	89-1	3037596	3312014	3359378	3236329	5.37	cps
Yttrium	89-2	179248	177139	175336	177241	1.10	cps
Zinc	66-2	30	20	37	29	29.04	cps

LB Number :	LB100404	Operator :	Jaswal
Lab Sample ID :	CCB48	Instrumnet Name :	P8
Client Sample ID :	CCB48	Dilution Factor :	1
Date & Time Acquired ::	2019-01-18 17:08:11	DataFile Name :	022CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	90-1	208	308	233	250	20.82	cps
Zirconium	91-1	17	83	117	72	70.50	cps

LB Number :	LB100404	Operator :	Jaswal
Lab Sample ID :	K1089-02	Instrumnet Name :	P8
Client Sample ID :	D-01082019-01-FF	Dilution Factor :	1
Date & Time Acquired ::	2019-01-18 17:34:25	DataFile Name :	023SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	95	83	103	93	10.83	cps
Antimony	121-1	500	642	633	592	13.44	cps
Arsenic	75-2	63	89	74	75	17.27	cps
Barium	135-1	143731	141270	141812	142271	0.91	cps
Barium	137-1	245727	241807	246381	244639	1.01	cps
Beryllium	9-1	30	33	40	34	14.78	cps
Bismuth	209-1	1376598	1383863	1378395	1379618	0.27	cps
Bismuth	209-2	686823	687176	705696	693231	1.56	cps
Boron	10-1	5868	6293	6210	6124	3.68	cps
Boron	11-1	30249	30133	29991	30124	0.43	cps
Cadmium	111-1	807	621	679	702	13.53	cps
Cadmium	106-1	908	608	742	753	19.97	cps
Cadmium	108-1	42	25	33	33	25.01	cps
Calcium	43-1	1421018	1408504	1386270	1405264	1.25	cps
Calcium	44-1	22189196	22403981	21945316	22179497	1.03	cps
Chromium	52-2	2010895	2018628	2065363	2031629	1.45	cps
Cobalt	59-2	713	723	693	710	2.15	cps
Copper	63-2	3921	3921	3991	3944	1.02	cps
Dysprosium	156-1	67	58	42	56	22.91	cps
Dysprosium	156-2	7	13	10	10	33.30	cps
Erbium	164-1	67	75	58	67	12.49	cps
Erbium	164-2	17	13	13	14	13.35	cps
Gadolinium	160-1	75	42	33	50	44.10	cps
Gadolinium	160-2	17	37	10	21	65.74	cps
Holmium	165-1	2533323	2545516	2544763	2541201	0.27	cps
Holmium	165-2	958218	959518	989400	969045	1.82	cps
Indium	115-1	2550115	2587928	2626108	2588050	1.47	cps
Indium	115-2	202810	204449	211668	206309	2.28	cps
Iron	56-2	8325	8130	8347	8267	1.44	cps
Iron	57-2	206	222	272	233	14.87	cps
Krypton	83-1	580	653	650	628	6.60	cps
Lead	206-1	628	578	600	602	4.16	cps
Lead	207-1	561	567	561	563	0.57	cps
Lead	208-1	2461	2217	2422	2367	5.55	cps
Lithium	6-1	373429	370180	365967	369859	1.01	cps
Magnesium	24-2	609880	604363	627691	613978	1.99	cps

LB Number :	LB100404	Operator :	Jaswal
Lab Sample ID :	K1089-02	Instrumnet Name :	P8
Client Sample ID :	D-01082019-01-FF	Dilution Factor :	1
Date & Time Acquired ::	2019-01-18 17:34:25	DataFile Name :	023SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	114858	114582	119529	116323	2.39	cps
Molybdenum	94-1	908	792	883	861	7.13	cps
Molybdenum	95-1	1067	1067	1108	1081	2.23	cps
Molybdenum	96-1	1050	1333	1258	1214	12.09	cps
Molybdenum	97-1	833	767	775	792	4.59	cps
Molybdenum	98-1	1859	1525	1625	1670	10.25	cps
Neodymium	150-1	47	67	27	47	42.85	cps
Neodymium	150-2	23	7	10	13	66.12	cps
Nickel	60-2	1000	980	980	987	1.17	cps
Phosphorus	31-2	17	0	8	8	100.02	cps
Potassium	39-2	37777	37894	39716	38462	2.83	cps
Rhodium	103-1	2671338	2693972	2682384	2682565	0.42	cps
Rhodium	103-2	1049712	1054923	1077665	1060767	1.40	cps
Scandium	45-1	2456458	2513371	2458627	2476152	1.30	cps
Scandium	45-2	30871	31382	31676	31309	1.30	cps
Selenium	77-2	7	0	7	4	86.60	cps
Selenium	78-2	9	9	4	7	43.34	cps
Selenium	82-1	125	26	66	72	69.12	cps
Silicon	28-1	20811395	21133259	20937488	20960714	0.77	cps
Silver	109-1	367	500	483	450	16.14	cps
Silver	107-1	367	342	450	386	14.69	cps
Sodium	23-2	5860581	5858598	6040416	5919865	1.76	cps
Strontium	86-1	192667	192400	193072	192713	0.18	cps
Strontium	88-1	1694113	1667981	1674897	1678997	0.81	cps
Sulfur	34-1	688266	680547	679528	682781	0.70	cps
Terbium	159-1	2760923	2738376	2750027	2749775	0.41	cps
Terbium	159-2	974832	984452	999223	986169	1.25	cps
Thallium	203-1	75	42	75	64	30.12	cps
Thallium	205-1	142	125	150	139	9.16	cps
Tin	118-1	1100	758	1025	961	18.68	cps
Titanium	47-1	325	450	308	361	21.44	cps
Uranium	238-1	2417	2267	2350	2345	3.21	cps
Vanadium	51-2	647	673	660	660	2.02	cps
Yttrium	89-1	3242914	3240275	3255504	3246231	0.25	cps
Yttrium	89-2	173964	171074	176076	173704	1.45	cps
Zinc	66-2	3744	3404	3701	3616	5.12	cps

LB Number :	LB100404	Operator :	Jaswal
Lab Sample ID :	K1089-02	Instrumnet Name :	P8
Client Sample ID :	D-01082019-01-FF	Dilution Factor :	1
Date & Time Acquired ::	2019-01-18 17:34:25	DataFile Name :	023SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	90-1	708	658	817	728	11.12	cps
Zirconium	91-1	75	208	158	147	45.76	cps

LB Number : LB100404 Operator : Jaswal
 Lab Sample ID : K1089-12 Instrumnet Name : P8
 Client Sample ID : EPA-MW-31-BR-0108201 Dilution Factor : 1
 Date & Time Acquired :: 2019-01-18 17:37:56 DataFile Name : 024SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	75	98	80	84	14.04	cps
Antimony	121-1	367	342	375	361	4.80	cps
Arsenic	75-2	67	67	59	64	6.66	cps
Barium	135-1	142824	140774	140075	141224	1.01	cps
Barium	137-1	245576	243880	245829	245095	0.43	cps
Beryllium	9-1	53	67	23	48	46.46	cps
Bismuth	209-1	1351768	1362357	1390918	1368347	1.48	cps
Bismuth	209-2	726552	695685	710632	710956	2.17	cps
Boron	10-1	5710	5776	6035	5840	2.94	cps
Boron	11-1	29874	29999	29063	29645	1.71	cps
Cadmium	111-1	727	792	862	794	8.51	cps
Cadmium	106-1	783	833	867	828	5.07	cps
Cadmium	108-1	25	29	17	24	26.95	cps
Calcium	43-1	1408634	1403354	1384277	1398755	0.92	cps
Calcium	44-1	22477848	22602316	22120249	22400137	1.12	cps
Chromium	52-2	2233040	2203871	2174057	2203656	1.34	cps
Cobalt	59-2	623	637	680	647	4.58	cps
Copper	63-2	2337	2344	2577	2419	5.65	cps
Dysprosium	156-1	25	8	42	25	66.68	cps
Dysprosium	156-2	13	3	0	6	124.93	cps
Erbium	164-1	33	83	58	58	42.86	cps
Erbium	164-2	10	27	17	18	47.19	cps
Gadolinium	160-1	42	42	33	39	12.37	cps
Gadolinium	160-2	13	17	3	11	62.48	cps
Holmium	165-1	2524656	2467883	2548802	2513780	1.65	cps
Holmium	165-2	1012650	982789	982429	992622	1.75	cps
Indium	115-1	2550219	2559880	2606265	2572121	1.16	cps
Indium	115-2	214077	211380	209002	211486	1.20	cps
Iron	56-2	4934	4829	5146	4970	3.25	cps
Iron	57-2	167	172	211	183	13.21	cps
Krypton	83-1	623	563	670	619	8.64	cps
Lead	206-1	194	250	317	254	24.12	cps
Lead	207-1	239	194	194	209	12.26	cps
Lead	208-1	928	911	1028	956	6.60	cps
Lithium	6-1	362520	367109	366053	365227	0.66	cps
Magnesium	24-2	638918	630899	630821	633546	0.73	cps

LB Number : LB100404 Operator : Jaswal
 Lab Sample ID : K1089-12 Instrumnet Name : P8
 Client Sample ID : EPA-MW-31-BR-0108201 Dilution Factor : 1
 Date & Time Acquired :: 2019-01-18 17:37:56 DataFile Name : 024SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	102708	100747	101301	101585	1.00	cps
Molybdenum	94-1	725	775	617	706	11.47	cps
Molybdenum	95-1	1008	892	683	861	19.12	cps
Molybdenum	96-1	817	1308	1125	1083	22.94	cps
Molybdenum	97-1	742	750	783	758	2.91	cps
Molybdenum	98-1	1400	1392	1300	1364	4.07	cps
Neodymium	150-1	40	40	33	38	10.19	cps
Neodymium	150-2	0	10	10	7	86.60	cps
Nickel	60-2	943	1030	953	976	4.86	cps
Phosphorus	31-2	8	17	17	14	34.67	cps
Potassium	39-2	37459	36524	36900	36961	1.27	cps
Rhodium	103-1	2603280	2624641	2617392	2615105	0.42	cps
Rhodium	103-2	1101101	1088617	1082868	1090862	0.85	cps
Scandium	45-1	2432672	2498310	2466396	2465793	1.33	cps
Scandium	45-2	32411	31716	32398	32175	1.23	cps
Selenium	77-2	0	0	7	2	173.21	cps
Selenium	78-2	13	13	6	10	40.72	cps
Selenium	82-1	63	124	-11	59	114.86	cps
Silicon	28-1	20966685	21330607	21208461	21168585	0.87	cps
Silver	109-1	367	367	400	378	5.09	cps
Silver	107-1	283	400	483	389	25.83	cps
Sodium	23-2	6194316	6103327	6144366	6147336	0.74	cps
Strontium	86-1	194567	193303	194001	193957	0.33	cps
Strontium	88-1	1699813	1691651	1704959	1698808	0.40	cps
Sulfur	34-1	710369	706524	694993	703962	1.14	cps
Terbium	159-1	2665573	2708339	2741965	2705292	1.42	cps
Terbium	159-2	1012253	1010279	990307	1004280	1.21	cps
Thallium	203-1	58	100	50	69	38.58	cps
Thallium	205-1	133	75	150	119	32.97	cps
Tin	118-1	267	192	308	256	23.14	cps
Titanium	47-1	258	250	267	258	3.23	cps
Uranium	238-1	2284	2442	2267	2331	4.14	cps
Vanadium	51-2	620	653	620	631	3.05	cps
Yttrium	89-1	3202922	3173446	3253609	3209992	1.26	cps
Yttrium	89-2	180160	177108	176274	177848	1.15	cps
Zinc	66-2	1647	1693	1670	1670	1.40	cps

LB Number :	LB100404	Operator :	Jaswal
Lab Sample ID :	K1089-12	Instrumnet Name :	P8
Client Sample ID :	EPA-MW-31-BR-0108201	Dilution Factor :	1
Date & Time Acquired ::	2019-01-18 17:37:56	DataFile Name :	024SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	90-1	392	342	400	378	8.35	cps
Zirconium	91-1	83	50	100	78	32.73	cps

LB Number : LB100404 Operator : Jaswal
 Lab Sample ID : K1089-16 Instrumnet Name : P8
 Client Sample ID : EPA-MW-32-BR-0108201 Dilution Factor : 1
 Date & Time Acquired :: 2019-01-18 17:41:28 DataFile Name : 025SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	83	75	65	74	11.83	cps
Antimony	121-1	192	183	183	186	2.59	cps
Arsenic	75-2	100	126	128	118	13.17	cps
Barium	135-1	144304	144087	143218	143870	0.40	cps
Barium	137-1	247742	246424	245338	246501	0.49	cps
Beryllium	9-1	47	30	23	33	36.07	cps
Bismuth	209-1	1368581	1377860	1401704	1382715	1.24	cps
Bismuth	209-2	700691	709891	710102	706895	0.76	cps
Boron	10-1	5059	4968	5068	5032	1.10	cps
Boron	11-1	26584	25190	26450	26075	2.95	cps
Cadmium	111-1	527	632	545	568	9.86	cps
Cadmium	106-1	675	792	717	728	8.12	cps
Cadmium	108-1	0	8	21	10	107.86	cps
Calcium	43-1	1377276	1384191	1352882	1371450	1.20	cps
Calcium	44-1	21814763	21690006	21970276	21825015	0.64	cps
Chromium	52-2	2012059	2012467	2030007	2018178	0.51	cps
Cobalt	59-2	207	203	143	184	19.32	cps
Copper	63-2	2064	2050	2164	2092	2.96	cps
Dysprosium	156-1	33	25	25	28	17.31	cps
Dysprosium	156-2	17	7	10	11	45.82	cps
Erbium	164-1	50	58	50	53	9.12	cps
Erbium	164-2	20	30	43	31	37.62	cps
Gadolinium	160-1	92	33	42	56	56.78	cps
Gadolinium	160-2	30	20	23	24	20.83	cps
Holmium	165-1	2505506	2514548	2540342	2520132	0.72	cps
Holmium	165-2	994314	998626	992843	995261	0.30	cps
Indium	115-1	2605087	2586820	2616074	2602660	0.57	cps
Indium	115-2	208431	211695	213944	211357	1.31	cps
Iron	56-2	6329	6496	6429	6418	1.31	cps
Iron	57-2	150	228	194	191	20.46	cps
Krypton	83-1	683	603	597	628	7.68	cps
Lead	206-1	194	200	189	194	2.86	cps
Lead	207-1	133	133	111	126	10.19	cps
Lead	208-1	600	650	700	650	7.69	cps
Lithium	6-1	367523	361030	362156	363570	0.95	cps
Magnesium	24-2	708333	708823	709421	708859	0.08	cps

LB Number : LB100404 Operator : Jaswal
 Lab Sample ID : K1089-16 Instrumnet Name : P8
 Client Sample ID : EPA-MW-32-BR-0108201 Dilution Factor : 1
 Date & Time Acquired :: 2019-01-18 17:41:28 DataFile Name : 025SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	287	300	300	296	2.60	cps
Molybdenum	94-1	450	450	425	442	3.27	cps
Molybdenum	95-1	542	558	583	561	3.74	cps
Molybdenum	96-1	583	583	575	581	0.83	cps
Molybdenum	97-1	483	458	525	489	6.89	cps
Molybdenum	98-1	667	808	917	797	15.73	cps
Neodymium	150-1	13	53	53	40	57.74	cps
Neodymium	150-2	13	0	7	7	99.98	cps
Nickel	60-2	530	647	523	567	12.24	cps
Phosphorus	31-2	25	42	33	33	25.01	cps
Potassium	39-2	38804	38195	37961	38320	1.14	cps
Rhodium	103-1	2631880	2697863	2706040	2678594	1.52	cps
Rhodium	103-2	1080655	1083842	1084921	1083139	0.20	cps
Scandium	45-1	2447289	2509827	2514199	2490438	1.50	cps
Scandium	45-2	32063	31465	32458	31995	1.56	cps
Selenium	77-2	7	0	0	2	173.21	cps
Selenium	78-2	11	15	6	10	44.37	cps
Selenium	82-1	20	110	64	65	69.35	cps
Silicon	28-1	22134381	22069202	22219403	22140995	0.34	cps
Silver	109-1	258	267	342	289	15.89	cps
Silver	107-1	300	250	267	272	9.35	cps
Sodium	23-2	6538793	6519816	6566332	6541647	0.36	cps
Strontium	86-1	233445	231168	231288	231967	0.55	cps
Strontium	88-1	2019779	2012518	2035076	2022458	0.57	cps
Sulfur	34-1	733633	733441	729180	732085	0.34	cps
Terbium	159-1	2726133	2714417	2764587	2735046	0.96	cps
Terbium	159-2	1004183	1008415	1013295	1008631	0.45	cps
Thallium	203-1	42	50	25	39	32.73	cps
Thallium	205-1	33	75	108	72	52.04	cps
Tin	118-1	317	300	333	317	5.26	cps
Titanium	47-1	392	400	233	342	27.49	cps
Uranium	238-1	3726	3417	3259	3467	6.85	cps
Vanadium	51-2	933	1030	830	931	10.74	cps
Yttrium	89-1	3269493	3251525	3308215	3276411	0.88	cps
Yttrium	89-2	175962	178727	178626	177772	0.88	cps
Zinc	66-2	1730	1797	1880	1802	4.17	cps

LB Number :	LB100404	Operator :	Jaswal
Lab Sample ID :	K1089-16	Instrumnet Name :	P8
Client Sample ID :	EPA-MW-32-BR-0108201	Dilution Factor :	1
Date & Time Acquired ::	2019-01-18 17:41:28	DataFile Name :	025SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	90-1	267	317	300	294	8.65	cps
Zirconium	91-1	92	117	67	92	27.27	cps

LB Number :	LB100404	Operator :	Jaswal
Lab Sample ID :	K1089-20	Instrumnet Name :	P8
Client Sample ID :	EPA-MW-37-OB-010820	Dilution Factor :	1
Date & Time Acquired ::	2019-01-18 17:44:59	DataFile Name :	026SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	87609	89405	87919	88311	1.09	cps
Antimony	121-1	19474	19840	20108	19807	1.61	cps
Arsenic	75-2	2319	2432	2345	2365	2.50	cps
Barium	135-1	43105	43823	44501	43810	1.59	cps
Barium	137-1	75215	75843	76782	75947	1.04	cps
Beryllium	9-1	190	137	140	156	19.21	cps
Bismuth	209-1	1159270	1102926	1179661	1147285	3.46	cps
Bismuth	209-2	612747	582782	600175	598568	2.51	cps
Boron	10-1	36113	37483	39146	37581	4.04	cps
Boron	11-1	186979	194680	202521	194727	3.99	cps
Cadmium	111-1	1361	1400	1392	1384	1.49	cps
Cadmium	106-1	1058	1117	1033	1070	4.00	cps
Cadmium	108-1	108	117	117	114	4.22	cps
Calcium	43-1	41959	41414	41645	41673	0.66	cps
Calcium	44-1	894693	914208	925610	911504	1.72	cps
Chromium	52-2	35162044	35724607	35998043	35628231	1.20	cps
Cobalt	59-2	6445	6428	6185	6353	2.29	cps
Copper	63-2	369728	375037	378766	374510	1.21	cps
Dysprosium	156-1	5893	6027	6210	6043	2.63	cps
Dysprosium	156-2	2854	2937	2920	2904	1.52	cps
Erbium	164-1	5443	5501	5702	5549	2.44	cps
Erbium	164-2	2040	2197	2007	2081	4.88	cps
Gadolinium	160-1	6494	6227	6327	6349	2.12	cps
Gadolinium	160-2	3184	3441	3461	3362	4.59	cps
Holmium	165-1	2254560	2169896	2296440	2240299	2.88	cps
Holmium	165-2	926436	885173	895291	902300	2.38	cps
Indium	115-1	2235142	2185088	2315946	2245392	2.94	cps
Indium	115-2	191327	185076	187073	187825	1.70	cps
Iron	56-2	1275538	1282222	1298117	1285292	0.90	cps
Iron	57-2	31987	32728	32438	32385	1.15	cps
Krypton	83-1	657	773	760	730	8.75	cps
Lead	206-1	4573	4167	4384	4375	4.64	cps
Lead	207-1	3656	3695	3917	3756	3.75	cps
Lead	208-1	16999	16560	17394	16985	2.46	cps
Lithium	6-1	287645	278515	295724	287295	3.00	cps
Magnesium	24-2	293768	295872	295446	295029	0.38	cps

LB Number : LB100404 Operator : Jaswal
 Lab Sample ID : K1089-20 Instrumnet Name : P8
 Client Sample ID : EPA-MW-37-OB-010820 Dilution Factor : 1
 Date & Time Acquired :: 2019-01-18 17:44:59 DataFile Name : 026SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	105686	106593	107570	106616	0.88	cps
Molybdenum	94-1	22253	22620	22912	22595	1.46	cps
Molybdenum	95-1	24932	23847	24456	24412	2.23	cps
Molybdenum	96-1	25683	24916	25408	25336	1.54	cps
Molybdenum	97-1	15651	16369	16444	16155	2.71	cps
Molybdenum	98-1	34746	36007	35807	35520	1.91	cps
Neodymium	150-1	7109	6869	7102	7027	1.95	cps
Neodymium	150-2	1834	1720	1900	1818	5.01	cps
Nickel	60-2	30801	30474	30998	30758	0.86	cps
Phosphorus	31-2	3817	3559	3659	3678	3.54	cps
Potassium	39-2	101346	101943	101903	101731	0.33	cps
Rhodium	103-1	2324914	2223238	2361910	2303354	3.12	cps
Rhodium	103-2	983456	938692	965976	962708	2.34	cps
Scandium	45-1	2276961	2177377	2290732	2248357	2.75	cps
Scandium	45-2	29986	29384	29638	29669	1.02	cps
Selenium	77-2	20	27	13	20	33.35	cps
Selenium	78-2	31	9	22	21	53.18	cps
Selenium	82-1	41236	46597	49480	45771	9.14	cps
Silicon	28-1	28595767	29086714	29666065	29116182	1.84	cps
Silver	109-1	77172	77475	75965	76870	1.04	cps
Silver	107-1	81464	81496	84205	82388	1.91	cps
Sodium	23-2	195913896	194236646	197603563	195918035	0.86	cps
Strontium	86-1	79582	79021	82172	80259	2.09	cps
Strontium	88-1	675992	683450	692415	683952	1.20	cps
Sulfur	34-1	1010546	1032904	1028427	1023959	1.16	cps
Terbium	159-1	2453037	2353020	2488830	2431629	2.89	cps
Terbium	159-2	927296	892234	905579	908370	1.95	cps
Thallium	203-1	108	83	75	89	19.52	cps
Thallium	205-1	200	158	167	175	12.60	cps
Tin	118-1	2934	3167	2900	3000	4.84	cps
Titanium	47-1	8369	8445	8319	8378	0.75	cps
Uranium	238-1	18590	17430	18047	18022	3.22	cps
Vanadium	51-2	14191	14604	14194	14330	1.66	cps
Yttrium	89-1	3024987	2959309	3120309	3034868	2.67	cps
Yttrium	89-2	174790	167750	171961	171500	2.07	cps
Zinc	66-2	6198	6335	6365	6299	1.41	cps

LB Number :	LB100404	Operator :	Jaswal
Lab Sample ID :	K1089-20	Instrumnet Name :	P8
Client Sample ID :	EPA-MW-37-OB-010820	Dilution Factor :	1
Date & Time Acquired ::	2019-01-18 17:44:59	DataFile Name :	026SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	90-1	27086	26293	27353	26911	2.05	cps
Zirconium	91-1	6068	6185	6010	6088	1.46	cps

LB Number : LB100404 Operator : Jaswal
 Lab Sample ID : K1089-22 Instrumnet Name : P8
 Client Sample ID : EPA-MW-38-BR-0108201 Dilution Factor : 1
 Date & Time Acquired :: 2019-01-18 17:48:34 DataFile Name : 027SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	230	238	260	243	6.44	cps
Antimony	121-1	1067	883	900	950	10.67	cps
Arsenic	75-2	85	106	94	95	10.73	cps
Barium	135-1	140127	143116	140776	141340	1.11	cps
Barium	137-1	242887	246367	245017	244757	0.72	cps
Beryllium	9-1	33	23	53	37	41.66	cps
Bismuth	209-1	1398187	1434321	1421205	1417904	1.29	cps
Bismuth	209-2	756793	737845	732668	742436	1.71	cps
Boron	10-1	7044	6460	7586	7030	8.01	cps
Boron	11-1	35194	35261	36314	35590	1.77	cps
Cadmium	111-1	656	613	598	622	4.83	cps
Cadmium	106-1	933	850	817	867	6.93	cps
Cadmium	108-1	8	4	4	6	43.22	cps
Calcium	43-1	1312609	1297379	1302414	1304134	0.60	cps
Calcium	44-1	20526851	20703363	20788472	20672895	0.65	cps
Chromium	52-2	1790796	1811971	1794650	1799139	0.63	cps
Cobalt	59-2	233	227	193	218	9.84	cps
Copper	63-2	2720	2914	2560	2731	6.48	cps
Dysprosium	156-1	8	33	8	17	86.62	cps
Dysprosium	156-2	3	3	0	2	86.60	cps
Erbium	164-1	83	25	33	47	66.82	cps
Erbium	164-2	23	13	20	19	26.96	cps
Gadolinium	160-1	8	58	92	53	79.48	cps
Gadolinium	160-2	7	13	10	10	33.30	cps
Holmium	165-1	2618096	2625977	2586691	2610254	0.80	cps
Holmium	165-2	1054447	1051294	1037898	1047879	0.84	cps
Indium	115-1	2629411	2659058	2673955	2654141	0.85	cps
Indium	115-2	223373	220800	216867	220347	1.49	cps
Iron	56-2	9203	8720	8664	8862	3.35	cps
Iron	57-2	294	244	272	270	9.27	cps
Krypton	83-1	617	643	540	600	8.94	cps
Lead	206-1	150	239	156	181	27.44	cps
Lead	207-1	144	189	111	148	26.34	cps
Lead	208-1	728	761	700	730	4.19	cps
Lithium	6-1	400095	405990	399233	401773	0.92	cps
Magnesium	24-2	562811	562245	569877	564978	0.75	cps

LB Number :	LB100404	Operator :	Jaswal
Lab Sample ID :	K1089-22	Instrumnet Name :	P8
Client Sample ID :	EPA-MW-38-BR-0108201	Dilution Factor :	1
Date & Time Acquired ::	2019-01-18 17:48:34	DataFile Name :	027SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	2540	2524	2650	2571	2.68	cps
Molybdenum	94-1	3426	3742	3142	3437	8.74	cps
Molybdenum	95-1	5760	5435	4893	5362	8.17	cps
Molybdenum	96-1	6585	6335	5802	6241	6.41	cps
Molybdenum	97-1	3901	3767	3784	3817	1.90	cps
Molybdenum	98-1	9095	8920	8870	8962	1.32	cps
Neodymium	150-1	20	7	20	16	49.47	cps
Neodymium	150-2	0	0	0	0	0.00	cps
Nickel	60-2	1000	883	947	943	6.19	cps
Phosphorus	31-2	33	17	8	19	65.47	cps
Potassium	39-2	47907	48033	48150	48030	0.25	cps
Rhodium	103-1	2701649	2743423	2715907	2720326	0.78	cps
Rhodium	103-2	1131196	1129879	1110584	1123886	1.03	cps
Scandium	45-1	2512517	2565032	2528107	2535219	1.06	cps
Scandium	45-2	33129	32364	32287	32594	1.43	cps
Selenium	77-2	3	3	0	2	86.60	cps
Selenium	78-2	9	11	6	9	32.69	cps
Selenium	82-1	2200	1809	1582	1864	16.76	cps
Silicon	28-1	23344769	23387569	23452020	23394786	0.23	cps
Silver	109-1	567	575	408	517	18.18	cps
Silver	107-1	592	550	542	561	4.77	cps
Sodium	23-2	6934064	6835121	6903965	6891050	0.74	cps
Strontium	86-1	171971	175305	169575	172284	1.67	cps
Strontium	88-1	1495343	1511241	1472057	1492880	1.32	cps
Sulfur	34-1	647048	648158	658345	651183	0.96	cps
Terbium	159-1	2782047	2776884	2817387	2792106	0.79	cps
Terbium	159-2	1058957	1048294	1036240	1047830	1.08	cps
Thallium	203-1	25	67	42	44	47.19	cps
Thallium	205-1	117	150	83	117	28.57	cps
Tin	118-1	467	408	433	436	6.71	cps
Titanium	47-1	375	500	400	425	15.56	cps
Uranium	238-1	1567	1458	1617	1547	5.23	cps
Vanadium	51-2	970	927	940	946	2.35	cps
Yttrium	89-1	3279920	3316042	3256506	3284156	0.91	cps
Yttrium	89-2	184802	184626	182879	184102	0.58	cps
Zinc	66-2	1027	1020	937	995	5.04	cps

LB Number :	LB100404	Operator :	Jaswal
Lab Sample ID :	K1089-22	Instrumnet Name :	P8
Client Sample ID :	EPA-MW-38-BR-0108201	Dilution Factor :	1
Date & Time Acquired ::	2019-01-18 17:48:34	DataFile Name :	027SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	90-1	433	475	483	464	5.77	cps
Zirconium	91-1	100	75	108	94	18.37	cps

LB Number :	LB100404	Operator :	Jaswal
Lab Sample ID :	K1089-02DLX5	Instrumnet Name :	P8
Client Sample ID :	D-01082019-01-FFDL	Dilution Factor :	5
Date & Time Acquired ::	2019-01-18 17:56:25	DataFile Name :	028SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	55	48	55	53	8.25	cps
Antimony	121-1	200	208	242	217	10.18	cps
Arsenic	75-2	15	9	17	14	28.39	cps
Barium	135-1	33552	33142	33460	33385	0.64	cps
Barium	137-1	56388	56572	57066	56675	0.62	cps
Beryllium	9-1	10	20	30	20	50.00	cps
Bismuth	209-1	1468567	1512707	1347994	1443089	5.91	cps
Bismuth	209-2	781978	788059	780879	783639	0.49	cps
Boron	10-1	1767	1992	2050	1936	7.73	cps
Boron	11-1	8995	9337	9754	9362	4.06	cps
Cadmium	111-1	612	549	667	609	9.69	cps
Cadmium	106-1	792	717	858	789	8.98	cps
Cadmium	108-1	13	4	25	14	75.48	cps
Calcium	43-1	318192	315450	320031	317891	0.73	cps
Calcium	44-1	5163935	5144921	5139491	5149449	0.25	cps
Chromium	52-2	475747	478677	480861	478428	0.54	cps
Cobalt	59-2	267	250	190	236	17.12	cps
Copper	63-2	920	803	913	879	7.46	cps
Dysprosium	156-1	17	17	17	17	0.00	cps
Dysprosium	156-2	7	3	3	4	43.40	cps
Erbium	164-1	0	25	42	22	94.38	cps
Erbium	164-2	7	17	7	10	57.72	cps
Gadolinium	160-1	17	42	8	22	78.07	cps
Gadolinium	160-2	0	3	10	4	114.60	cps
Holmium	165-1	2615378	2735386	2460318	2603694	5.30	cps
Holmium	165-2	1076597	1087141	1063674	1075804	1.09	cps
Indium	115-1	2717023	2811779	2522315	2683706	5.50	cps
Indium	115-2	229435	230855	226193	228828	1.04	cps
Iron	56-2	4412	4301	4151	4288	3.06	cps
Iron	57-2	133	117	100	117	14.29	cps
Krypton	83-1	657	613	693	654	6.12	cps
Lead	206-1	156	144	100	133	22.05	cps
Lead	207-1	156	156	133	148	8.66	cps
Lead	208-1	539	544	461	515	9.05	cps
Lithium	6-1	434212	447184	404527	428641	5.10	cps
Magnesium	24-2	145690	144040	148990	146240	1.72	cps

LB Number :	LB100404	Operator :	Jaswal
Lab Sample ID :	K1089-02DLX5	Instrumnet Name :	P8
Client Sample ID :	D-01082019-01-FFDL	Dilution Factor :	5
Date & Time Acquired ::	2019-01-18 17:56:25	DataFile Name :	028SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	27771	28703	28222	28232	1.65	cps
Molybdenum	94-1	317	233	217	256	20.96	cps
Molybdenum	95-1	242	192	275	236	17.76	cps
Molybdenum	96-1	258	267	275	267	3.13	cps
Molybdenum	97-1	400	383	292	358	16.28	cps
Molybdenum	98-1	208	367	475	350	38.32	cps
Neodymium	150-1	0	20	0	7	173.21	cps
Neodymium	150-2	0	0	7	2	173.21	cps
Nickel	60-2	297	333	223	284	19.69	cps
Phosphorus	31-2	0	17	25	14	91.65	cps
Potassium	39-2	13724	13866	13499	13696	1.35	cps
Rhodium	103-1	2757629	2848206	2590106	2731981	4.79	cps
Rhodium	103-2	1169103	1183169	1155516	1169263	1.18	cps
Scandium	45-1	2573169	2696513	2368187	2545956	6.51	cps
Scandium	45-2	33988	35007	33878	34291	1.82	cps
Selenium	77-2	0	0	0	0	0.00	cps
Selenium	78-2	4	2	4	3	34.64	cps
Selenium	82-1	33	72	34	46	47.58	cps
Silicon	28-1	5233226	5158982	5251598	5214602	0.94	cps
Silver	109-1	117	142	167	142	17.65	cps
Silver	107-1	167	225	133	175	26.51	cps
Sodium	23-2	1477680	1469112	1477557	1474783	0.33	cps
Strontium	86-1	43312	44515	43922	43916	1.37	cps
Strontium	88-1	375097	380324	379344	378255	0.73	cps
Sulfur	34-1	554644	547189	549954	550596	0.68	cps
Terbium	159-1	2830008	2916703	2639997	2795569	5.06	cps
Terbium	159-2	1088383	1102984	1089825	1093731	0.74	cps
Thallium	203-1	33	33	33	33	0.00	cps
Thallium	205-1	58	33	75	56	37.75	cps
Tin	118-1	233	225	283	247	12.76	cps
Titanium	47-1	200	225	192	206	8.44	cps
Uranium	238-1	633	483	675	597	16.88	cps
Vanadium	51-2	160	150	217	176	20.48	cps
Yttrium	89-1	3342710	3547492	3091537	3327247	6.86	cps
Yttrium	89-2	189844	191201	188356	189801	0.75	cps
Zinc	66-2	407	333	297	346	16.21	cps

LB Number :	LB100404	Operator :	Jaswal
Lab Sample ID :	K1089-02DLX5	Instrumnet Name :	P8
Client Sample ID :	D-01082019-01-FFDL	Dilution Factor :	5
Date & Time Acquired ::	2019-01-18 17:56:25	DataFile Name :	028SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	90-1	292	217	283	264	15.58	cps
Zirconium	91-1	100	42	75	72	40.52	cps

LB Number : LB100404 Operator : Jaswal
 Lab Sample ID : K1089-12DLX5 Instrumnet Name : P8
 Client Sample ID : EPA-MW-31-BR-0108201 Dilution Factor : 5
 Date & Time Acquired :: 2019-01-18 17:59:59 DataFile Name : 029SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	58	60	55	58	4.36	cps
Antimony	121-1	108	117	133	119	10.66	cps
Arsenic	75-2	24	17	15	19	26.45	cps
Barium	135-1	29793	28866	29033	29231	1.69	cps
Barium	137-1	50255	50665	50648	50522	0.46	cps
Beryllium	9-1	20	43	23	29	43.68	cps
Bismuth	209-1	1478697	1499312	1494725	1490911	0.73	cps
Bismuth	209-2	776425	787354	772774	778851	0.97	cps
Boron	10-1	1575	1633	1725	1645	4.60	cps
Boron	11-1	8103	9270	8461	8611	6.94	cps
Cadmium	111-1	553	595	759	636	17.11	cps
Cadmium	106-1	725	817	1025	856	17.97	cps
Cadmium	108-1	13	8	13	11	21.67	cps
Calcium	43-1	287298	289396	287483	288059	0.40	cps
Calcium	44-1	4695087	4661794	4707161	4688014	0.50	cps
Chromium	52-2	454948	455906	454180	455011	0.19	cps
Cobalt	59-2	193	170	240	201	17.72	cps
Copper	63-2	753	720	817	763	6.43	cps
Dysprosium	156-1	8	8	17	11	43.34	cps
Dysprosium	156-2	7	7	0	4	86.60	cps
Erbium	164-1	25	25	42	31	31.50	cps
Erbium	164-2	7	3	10	7	50.03	cps
Gadolinium	160-1	25	33	17	25	33.32	cps
Gadolinium	160-2	3	13	7	8	65.47	cps
Holmium	165-1	2689660	2669138	2698927	2685908	0.57	cps
Holmium	165-2	1080098	1072548	1047164	1066604	1.62	cps
Indium	115-1	2708597	2766547	2756941	2744028	1.13	cps
Indium	115-2	228271	225837	224321	226143	0.88	cps
Iron	56-2	4017	3706	4023	3915	4.63	cps
Iron	57-2	133	122	111	122	9.09	cps
Krypton	83-1	567	677	597	613	9.27	cps
Lead	206-1	172	111	100	128	30.44	cps
Lead	207-1	133	172	139	148	14.20	cps
Lead	208-1	622	583	572	593	4.43	cps
Lithium	6-1	447330	446476	442778	445528	0.54	cps
Magnesium	24-2	133068	132337	132908	132771	0.29	cps

LB Number :	LB100404	Operator :	Jaswal
Lab Sample ID :	K1089-12DLX5	Instrumnet Name :	P8
Client Sample ID :	EPA-MW-31-BR-0108201	Dilution Factor :	5
Date & Time Acquired ::	2019-01-18 17:59:59	DataFile Name :	029SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	21654	21463	21223	21447	1.01	cps
Molybdenum	94-1	183	233	275	231	19.91	cps
Molybdenum	95-1	208	192	217	206	6.19	cps
Molybdenum	96-1	158	283	292	244	30.56	cps
Molybdenum	97-1	358	333	342	344	3.70	cps
Molybdenum	98-1	283	392	367	347	16.34	cps
Neodymium	150-1	0	13	13	9	86.60	cps
Neodymium	150-2	0	0	0	0	0.00	cps
Nickel	60-2	257	310	297	288	9.65	cps
Phosphorus	31-2	17	17	17	17	0.00	cps
Potassium	39-2	12389	12990	13232	12870	3.37	cps
Rhodium	103-1	2767204	2847841	2838360	2817802	1.56	cps
Rhodium	103-2	1173126	1164588	1149882	1162532	1.01	cps
Scandium	45-1	2566014	2572375	2608361	2582250	0.88	cps
Scandium	45-2	33954	33249	32852	33352	1.67	cps
Selenium	77-2	3	0	0	1	173.21	cps
Selenium	78-2	4	4	4	4	0.00	cps
Selenium	82-1	85	2	35	41	101.76	cps
Silicon	28-1	4779220	4750110	4754595	4761308	0.33	cps
Silver	109-1	125	83	125	111	21.65	cps
Silver	107-1	133	150	242	175	33.33	cps
Sodium	23-2	1327893	1358733	1344523	1343717	1.15	cps
Strontium	86-1	41656	40661	39968	40762	2.08	cps
Strontium	88-1	339454	339060	342777	340431	0.60	cps
Sulfur	34-1	549728	547334	545621	547561	0.38	cps
Terbium	159-1	2876772	2854516	2903748	2878345	0.86	cps
Terbium	159-2	1092343	1099016	1077367	1089575	1.02	cps
Thallium	203-1	50	42	50	47	10.18	cps
Thallium	205-1	58	42	92	64	39.85	cps
Tin	118-1	233	200	233	222	8.66	cps
Titanium	47-1	233	175	208	206	14.24	cps
Uranium	238-1	550	592	525	556	6.06	cps
Vanadium	51-2	190	127	173	163	20.10	cps
Yttrium	89-1	3387851	3413904	3443152	3414969	0.81	cps
Yttrium	89-2	186875	188958	187245	187693	0.59	cps
Zinc	66-2	417	397	390	401	3.46	cps

LB Number :	LB100404	Operator :	Jaswal
Lab Sample ID :	K1089-12DLX5	Instrumnet Name :	P8
Client Sample ID :	EPA-MW-31-BR-0108201	Dilution Factor :	5
Date & Time Acquired ::	2019-01-18 17:59:59	DataFile Name :	029SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	90-1	292	267	275	278	4.58	cps
Zirconium	91-1	158	58	50	89	67.82	cps

LB Number : LB100404 Operator : Jaswal
 Lab Sample ID : K1089-16DLX5 Instrumnet Name : P8
 Client Sample ID : EPA-MW-32-BR-0108201 Dilution Factor : 5
 Date & Time Acquired :: 2019-01-18 18:03:32 DataFile Name : 030SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	65	48	58	57	15.50	cps
Antimony	121-1	75	125	125	108	26.65	cps
Arsenic	75-2	41	24	22	29	35.16	cps
Barium	135-1	30595	30745	30753	30698	0.29	cps
Barium	137-1	52162	51911	51677	51917	0.47	cps
Beryllium	9-1	27	10	20	19	44.42	cps
Bismuth	209-1	1510679	1525425	1418690	1484931	3.90	cps
Bismuth	209-2	794616	797109	786875	792867	0.67	cps
Boron	10-1	1667	1558	1608	1611	3.37	cps
Boron	11-1	7786	7677	8078	7847	2.64	cps
Cadmium	111-1	700	704	536	647	14.86	cps
Cadmium	106-1	975	958	750	895	14.02	cps
Cadmium	108-1	4	0	8	4	99.96	cps
Calcium	43-1	287741	285477	288568	287262	0.56	cps
Calcium	44-1	4705956	4645486	4739996	4697146	1.02	cps
Chromium	52-2	419808	415772	419154	418245	0.52	cps
Cobalt	59-2	127	133	83	114	23.72	cps
Copper	63-2	750	700	817	756	7.75	cps
Dysprosium	156-1	17	17	17	17	0.00	cps
Dysprosium	156-2	0	10	7	6	91.64	cps
Erbium	164-1	25	42	33	33	25.01	cps
Erbium	164-2	7	10	20	12	56.76	cps
Gadolinium	160-1	33	8	33	25	57.74	cps
Gadolinium	160-2	10	10	10	10	0.00	cps
Holmium	165-1	2734131	2725125	2577238	2678831	3.29	cps
Holmium	165-2	1089601	1091004	1077402	1086002	0.69	cps
Indium	115-1	2780233	2782773	2613408	2725471	3.56	cps
Indium	115-2	230288	230591	228179	229686	0.57	cps
Iron	56-2	4379	4390	4162	4310	2.98	cps
Iron	57-2	128	111	139	126	11.10	cps
Krypton	83-1	747	623	637	669	10.12	cps
Lead	206-1	144	100	94	113	24.26	cps
Lead	207-1	78	133	117	109	26.09	cps
Lead	208-1	433	456	444	444	2.50	cps
Lithium	6-1	452288	459309	429675	447091	3.46	cps
Magnesium	24-2	150213	150986	149477	150225	0.50	cps

LB Number :	LB100404	Operator :	Jaswal
Lab Sample ID :	K1089-16DLX5	Instrumnet Name :	P8
Client Sample ID :	EPA-MW-32-BR-0108201	Dilution Factor :	5
Date & Time Acquired ::	2019-01-18 18:03:32	DataFile Name :	030SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	150	127	137	138	8.50	cps
Molybdenum	94-1	183	183	158	175	8.25	cps
Molybdenum	95-1	83	183	225	164	44.42	cps
Molybdenum	96-1	183	117	167	156	22.30	cps
Molybdenum	97-1	333	317	367	339	7.51	cps
Molybdenum	98-1	267	158	333	253	34.94	cps
Neodymium	150-1	7	7	20	11	69.25	cps
Neodymium	150-2	3	0	0	1	173.21	cps
Nickel	60-2	223	183	267	224	18.57	cps
Phosphorus	31-2	0	25	8	11	114.58	cps
Potassium	39-2	12506	13165	12348	12673	3.42	cps
Rhodium	103-1	2848436	2843377	2684543	2792119	3.34	cps
Rhodium	103-2	1183607	1176472	1165961	1175347	0.76	cps
Scandium	45-1	2618240	2620169	2456433	2564947	3.66	cps
Scandium	45-2	34138	33630	33360	33709	1.17	cps
Selenium	77-2	3	0	0	1	173.21	cps
Selenium	78-2	2	7	2	4	86.68	cps
Selenium	82-1	-86	21	11	-18	-332.19	cps
Silicon	28-1	5062577	5065101	5121054	5082911	0.65	cps
Silver	109-1	83	158	108	117	32.73	cps
Silver	107-1	142	108	142	131	14.74	cps
Sodium	23-2	1460849	1430262	1460714	1450608	1.21	cps
Strontium	86-1	50152	48981	49667	49600	1.19	cps
Strontium	88-1	413820	415487	412269	413859	0.39	cps
Sulfur	34-1	557774	563122	559047	559981	0.50	cps
Terbium	159-1	2904934	2905257	2757711	2855967	2.98	cps
Terbium	159-2	1110000	1114038	1094600	1106213	0.93	cps
Thallium	203-1	33	25	33	31	15.74	cps
Thallium	205-1	92	83	100	92	9.09	cps
Tin	118-1	233	208	267	236	12.40	cps
Titanium	47-1	200	167	175	181	9.61	cps
Uranium	238-1	792	758	708	753	5.57	cps
Vanadium	51-2	170	253	193	206	20.91	cps
Yttrium	89-1	3431226	3409330	3215174	3351910	3.55	cps
Yttrium	89-2	190630	190523	188573	189909	0.61	cps
Zinc	66-2	353	420	420	398	9.68	cps

LB Number :	LB100404	Operator :	Jaswal
Lab Sample ID :	K1089-16DLX5	Instrumnet Name :	P8
Client Sample ID :	EPA-MW-32-BR-0108201	Dilution Factor :	5
Date & Time Acquired ::	2019-01-18 18:03:32	DataFile Name :	030SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	90-1	308	300	217	275	18.43	cps
Zirconium	91-1	83	75	42	67	33.07	cps

LB Number :	LB100404	Operator :	Jaswal
Lab Sample ID :	K1089-20DLX100	Instrumnet Name :	P8
Client Sample ID :	EPA-MW-37-OB-010820	Dilution Factor :	100
Date & Time Acquired ::	2019-01-18 18:07:06	DataFile Name :	031SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	1150	1278	1275	1235	5.91	cps
Antimony	121-1	367	333	283	328	12.80	cps
Arsenic	75-2	33	56	31	40	33.40	cps
Barium	135-1	575	558	658	597	8.97	cps
Barium	137-1	1225	1033	1133	1131	8.48	cps
Beryllium	9-1	40	23	20	28	38.58	cps
Bismuth	209-1	1559425	1447784	1538342	1515184	3.91	cps
Bismuth	209-2	799111	793969	822431	805170	1.88	cps
Boron	10-1	1108	800	958	956	16.14	cps
Boron	11-1	4593	4693	4426	4570	2.95	cps
Cadmium	111-1	613	495	625	578	12.42	cps
Cadmium	106-1	833	692	875	800	12.01	cps
Cadmium	108-1	0	8	0	3	173.21	cps
Calcium	43-1	1030	903	970	968	6.55	cps
Calcium	44-1	58424	57761	58176	58121	0.58	cps
Chromium	52-2	485491	485086	480947	483841	0.52	cps
Cobalt	59-2	220	170	217	202	13.83	cps
Copper	63-2	5735	5755	5538	5676	2.11	cps
Dysprosium	156-1	83	92	58	78	22.30	cps
Dysprosium	156-2	40	43	47	43	7.70	cps
Erbium	164-1	133	142	67	114	36.10	cps
Erbium	164-2	37	37	23	32	23.90	cps
Gadolinium	160-1	133	167	117	139	18.33	cps
Gadolinium	160-2	53	60	20	44	48.22	cps
Holmium	165-1	2769411	2636871	2757054	2721112	2.69	cps
Holmium	165-2	1115918	1103858	1137730	1119169	1.53	cps
Indium	115-1	2855378	2628002	2823273	2768885	4.44	cps
Indium	115-2	233631	230713	239903	234749	2.00	cps
Iron	56-2	22224	21378	21155	21586	2.61	cps
Iron	57-2	511	517	544	524	3.41	cps
Krypton	83-1	657	730	613	667	8.85	cps
Lead	206-1	178	189	189	185	3.47	cps
Lead	207-1	133	150	178	154	14.61	cps
Lead	208-1	650	767	672	696	8.90	cps
Lithium	6-1	468831	444270	463285	458795	2.81	cps
Magnesium	24-2	4476	4501	4409	4462	1.06	cps

LB Number :	LB100404	Operator :	Jaswal
Lab Sample ID :	K1089-20DLX100	Instrumnet Name :	P8
Client Sample ID :	EPA-MW-37-OB-010820	Dilution Factor :	100
Date & Time Acquired ::	2019-01-18 18:07:06	DataFile Name :	031SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	1437	1523	1407	1456	4.16	cps
Molybdenum	94-1	542	592	442	525	14.55	cps
Molybdenum	95-1	658	592	767	672	13.14	cps
Molybdenum	96-1	658	642	650	650	1.28	cps
Molybdenum	97-1	617	517	558	564	8.91	cps
Molybdenum	98-1	1083	1017	917	1006	8.34	cps
Neodymium	150-1	113	60	87	87	30.77	cps
Neodymium	150-2	27	10	30	22	48.22	cps
Nickel	60-2	640	500	517	552	13.85	cps
Phosphorus	31-2	75	25	33	44	60.27	cps
Potassium	39-2	7019	7069	7285	7124	1.99	cps
Rhodium	103-1	2878236	2733065	2952636	2854645	3.91	cps
Rhodium	103-2	1212148	1197741	1242054	1217314	1.86	cps
Scandium	45-1	2665752	2503339	2637979	2602357	3.34	cps
Scandium	45-2	33841	34165	34977	34328	1.70	cps
Selenium	77-2	0	0	0	0	0.00	cps
Selenium	78-2	4	2	6	4	50.09	cps
Selenium	82-1	494	359	469	441	16.32	cps
Silicon	28-1	814502	864631	815470	831534	3.45	cps
Silver	109-1	1058	1067	1192	1106	6.76	cps
Silver	107-1	1183	1133	1067	1128	5.19	cps
Sodium	23-2	2746140	2697884	2731751	2725258	0.91	cps
Strontium	86-1	2109	2150	2084	2114	1.59	cps
Strontium	88-1	9329	9395	9454	9393	0.67	cps
Sulfur	34-1	536157	532509	525882	531516	0.98	cps
Terbium	159-1	3006147	2836690	2986240	2943026	3.15	cps
Terbium	159-2	1136200	1115379	1168975	1140185	2.37	cps
Thallium	203-1	33	50	42	42	20.00	cps
Thallium	205-1	83	92	75	83	10.00	cps
Tin	118-1	333	300	242	292	15.91	cps
Titanium	47-1	217	225	250	231	7.52	cps
Uranium	238-1	325	258	283	289	11.66	cps
Vanadium	51-2	227	220	190	212	9.20	cps
Yttrium	89-1	3510982	3299712	3473381	3428025	3.29	cps
Yttrium	89-2	195583	190749	198539	194957	2.02	cps
Zinc	66-2	160	213	200	191	14.52	cps

LB Number :	LB100404	Operator :	Jaswal
Lab Sample ID :	K1089-20DLX100	Instrumnet Name :	P8
Client Sample ID :	EPA-MW-37-OB-010820	Dilution Factor :	100
Date & Time Acquired ::	2019-01-18 18:07:06	DataFile Name :	031SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	90-1	658	583	583	608	7.12	cps
Zirconium	91-1	150	167	125	147	14.24	cps

LB Number : LB100404 Operator : Jaswal
 Lab Sample ID : K1089-22DLX5 Instrumnet Name : P8
 Client Sample ID : EPA-MW-38-BR-0108201 Dilution Factor : 5
 Date & Time Acquired :: 2019-01-18 18:10:41 DataFile Name : 032SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	98	70	100	89	18.67	cps
Antimony	121-1	200	250	150	200	25.00	cps
Arsenic	75-2	11	28	20	20	42.28	cps
Barium	135-1	29593	29008	29217	29272	1.01	cps
Barium	137-1	49502	49903	49301	49569	0.62	cps
Beryllium	9-1	10	13	60	28	100.65	cps
Bismuth	209-1	1565654	1587849	1556028	1569843	1.04	cps
Bismuth	209-2	823628	814772	807406	815269	1.00	cps
Boron	10-1	1417	1675	1400	1497	10.30	cps
Boron	11-1	8311	7969	8028	8103	2.26	cps
Cadmium	111-1	529	616	504	550	10.72	cps
Cadmium	106-1	742	867	725	778	9.96	cps
Cadmium	108-1	4	4	17	8	86.57	cps
Calcium	43-1	260077	260563	257694	259445	0.59	cps
Calcium	44-1	4260831	4297034	4218866	4258910	0.92	cps
Chromium	52-2	358060	356536	357290	357295	0.21	cps
Cobalt	59-2	87	117	103	102	14.70	cps
Copper	63-2	853	930	1013	932	8.58	cps
Dysprosium	156-1	8	0	25	11	114.58	cps
Dysprosium	156-2	0	3	0	1	173.21	cps
Erbium	164-1	17	25	0	14	91.65	cps
Erbium	164-2	13	7	3	8	65.47	cps
Gadolinium	160-1	25	25	42	31	31.50	cps
Gadolinium	160-2	7	7	0	4	86.60	cps
Holmium	165-1	2830354	2790118	2729612	2783361	1.82	cps
Holmium	165-2	1137561	1104237	1114632	1118810	1.52	cps
Indium	115-1	2836399	2874868	2821801	2844356	0.96	cps
Indium	115-2	237282	231047	235068	234465	1.35	cps
Iron	56-2	4551	4812	4640	4668	2.85	cps
Iron	57-2	122	83	133	113	23.24	cps
Krypton	83-1	647	687	667	667	3.00	cps
Lead	206-1	122	156	117	131	16.00	cps
Lead	207-1	150	139	106	131	17.59	cps
Lead	208-1	567	617	511	565	9.35	cps
Lithium	6-1	472706	465611	468985	469101	0.76	cps
Magnesium	24-2	113879	112098	114954	113644	1.27	cps

LB Number :	LB100404	Operator :	Jaswal
Lab Sample ID :	K1089-22DLX5	Instrumnet Name :	P8
Client Sample ID :	EPA-MW-38-BR-0108201	Dilution Factor :	5
Date & Time Acquired ::	2019-01-18 18:10:41	DataFile Name :	032SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	610	600	613	608	1.14	cps
Molybdenum	94-1	658	700	717	692	4.34	cps
Molybdenum	95-1	1133	1117	1125	1125	0.74	cps
Molybdenum	96-1	1117	1183	1408	1236	12.36	cps
Molybdenum	97-1	975	942	1067	995	6.51	cps
Molybdenum	98-1	1867	1659	2142	1889	12.84	cps
Neodymium	150-1	13	20	0	11	91.66	cps
Neodymium	150-2	0	0	0	0	0.00	cps
Nickel	60-2	233	287	283	268	11.16	cps
Phosphorus	31-2	33	17	8	19	65.47	cps
Potassium	39-2	14533	14141	14825	14500	2.37	cps
Rhodium	103-1	2930544	2906189	2906752	2914495	0.48	cps
Rhodium	103-2	1212395	1195445	1204290	1204043	0.70	cps
Scandium	45-1	2715134	2680334	2637799	2677756	1.45	cps
Scandium	45-2	34623	33564	33691	33959	1.70	cps
Selenium	77-2	0	0	3	1	173.21	cps
Selenium	78-2	6	6	11	7	43.24	cps
Selenium	82-1	-12	-95	-12	-40	-120.15	cps
Silicon	28-1	5093143	5118611	5063427	5091727	0.54	cps
Silver	109-1	75	92	33	67	45.07	cps
Silver	107-1	117	75	75	89	27.07	cps
Sodium	23-2	1437026	1435070	1443490	1438529	0.31	cps
Strontium	86-1	35246	36725	35656	35876	2.13	cps
Strontium	88-1	294555	289463	290368	291462	0.93	cps
Sulfur	34-1	563229	556350	548995	556191	1.28	cps
Terbium	159-1	3005058	2992319	3011352	3002910	0.32	cps
Terbium	159-2	1152752	1134204	1128227	1138394	1.12	cps
Thallium	203-1	42	50	25	39	32.73	cps
Thallium	205-1	58	108	100	89	30.13	cps
Tin	118-1	250	308	333	297	14.39	cps
Titanium	47-1	192	200	242	211	12.69	cps
Uranium	238-1	308	358	342	336	7.57	cps
Vanadium	51-2	230	177	233	213	14.91	cps
Yttrium	89-1	3492529	3524515	3450205	3489083	1.07	cps
Yttrium	89-2	195254	192529	193414	193733	0.72	cps
Zinc	66-2	273	243	313	277	12.69	cps

LB Number :	LB100404	Operator :	Jaswal
Lab Sample ID :	K1089-22DLX5	Instrumnet Name :	P8
Client Sample ID :	EPA-MW-38-BR-0108201	Dilution Factor :	5
Date & Time Acquired ::	2019-01-18 18:10:41	DataFile Name :	032SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	90-1	275	267	317	286	9.36	cps
Zirconium	91-1	58	42	42	47	20.38	cps

LB Number :	LB100404	Operator :	Jaswal
Lab Sample ID :	CCV49	Instrumnet Name :	P8
Client Sample ID :	CCV49	Dilution Factor :	1
Date & Time Acquired ::	2019-01-18 18:14:14	DataFile Name :	033SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	437764	440142	437488	438464	0.33	cps
Antimony	121-1	2285452	2254033	2286528	2275338	0.81	cps
Arsenic	75-2	62038	61971	61739	61916	0.25	cps
Barium	135-1	2252137	2192975	2203908	2216340	1.42	cps
Barium	137-1	3819593	3831213	3832107	3827638	0.18	cps
Beryllium	9-1	507277	500870	504048	504065	0.64	cps
Bismuth	209-1	1558934	1497253	1553517	1536568	2.22	cps
Bismuth	209-2	760391	813857	813734	795994	3.87	cps
Boron	10-1	67735	68397	69109	68413	1.00	cps
Boron	11-1	341166	346138	350399	345901	1.34	cps
Cadmium	111-1	520437	517410	518783	518876	0.29	cps
Cadmium	106-1	56553	54921	55976	55816	1.48	cps
Cadmium	108-1	37870	38104	38350	38108	0.63	cps
Calcium	43-1	3828682	3775541	3795501	3799908	0.71	cps
Calcium	44-1	60949326	61308207	61194191	61150575	0.30	cps
Chromium	52-2	465857	465589	459730	463725	0.75	cps
Cobalt	59-2	878529	877465	878049	878014	0.06	cps
Copper	63-2	1426698	1414241	1414118	1418353	0.51	cps
Dysprosium	156-1	67	67	42	58	24.74	cps
Dysprosium	156-2	20	0	7	9	114.55	cps
Erbium	164-1	25	25	25	25	0.00	cps
Erbium	164-2	7	10	13	10	33.30	cps
Gadolinium	160-1	8	17	133	53	132.42	cps
Gadolinium	160-2	10	20	17	16	32.73	cps
Holmium	165-1	2891919	2799724	2866300	2852648	1.67	cps
Holmium	165-2	1091959	1159156	1159822	1136979	3.43	cps
Indium	115-1	2805753	2744869	2806267	2785630	1.27	cps
Indium	115-2	217320	229568	233809	226899	3.77	cps
Iron	56-2	75890293	76238691	75890254	76006413	0.26	cps
Iron	57-2	1948298	1963900	1951899	1954699	0.42	cps
Krypton	83-1	557	607	577	580	4.34	cps
Lead	206-1	930555	929999	930963	930506	0.05	cps
Lead	207-1	839902	843084	837280	840088	0.35	cps
Lead	208-1	3860759	3853039	3830163	3847987	0.41	cps
Lithium	6-1	490900	476234	494553	487229	1.99	cps
Magnesium	24-2	9066240	9094893	9034317	9065150	0.33	cps

LB Number :	LB100404	Operator :	Jaswal
Lab Sample ID :	CCV49	Instrumnet Name :	P8
Client Sample ID :	CCV49	Dilution Factor :	1
Date & Time Acquired ::	2019-01-18 18:14:14	DataFile Name :	033SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	282665	283898	281354	282639	0.45	cps
Molybdenum	94-1	4385893	4427707	4464446	4426015	0.89	cps
Molybdenum	95-1	5451727	5459952	5442238	5451306	0.16	cps
Molybdenum	96-1	5991080	5953770	5964736	5969862	0.32	cps
Molybdenum	97-1	3349191	3329797	3340646	3339878	0.29	cps
Molybdenum	98-1	8470282	8383338	8490535	8448052	0.67	cps
Neodymium	150-1	140	147	180	156	13.78	cps
Neodymium	150-2	13	20	20	18	21.66	cps
Nickel	60-2	258671	257983	256164	257606	0.50	cps
Phosphorus	31-2	7502	7536	7052	7363	3.67	cps
Potassium	39-2	2809326	2768017	2746958	2774767	1.14	cps
Rhodium	103-1	2876348	2772211	2876754	2841771	2.12	cps
Rhodium	103-2	1095450	1166906	1182058	1148138	4.03	cps
Scandium	45-1	2734020	2657351	2764533	2718635	2.03	cps
Scandium	45-2	32889	35799	35846	34845	4.86	cps
Selenium	77-2	547	443	443	478	12.49	cps
Selenium	78-2	1591	1620	1670	1627	2.47	cps
Selenium	82-1	40814	40821	41292	40975	0.67	cps
Silicon	28-1	2129442	2113322	2124169	2122311	0.39	cps
Silver	109-1	2365726	2369463	2340914	2358701	0.66	cps
Silver	107-1	2494397	2519870	2539769	2518012	0.90	cps
Sodium	23-2	20982741	20743832	20743740	20823438	0.66	cps
Strontium	86-1	703305	692229	698791	698108	0.80	cps
Strontium	88-1	5982122	5931330	6022542	5978665	0.76	cps
Sulfur	34-1	759566	750343	744709	751539	1.00	cps
Terbium	159-1	3135543	3043373	3130790	3103235	1.67	cps
Terbium	159-2	1093647	1172077	1175636	1147120	4.04	cps
Thallium	203-1	1170507	1167329	1155497	1164444	0.68	cps
Thallium	205-1	2840355	2796522	2790204	2809027	0.97	cps
Tin	118-1	1498953	1525869	1512764	1512529	0.89	cps
Titanium	47-1	1944396	1960586	1961240	1955407	0.49	cps
Uranium	238-1	3483600	3442049	3491753	3472467	0.77	cps
Vanadium	51-2	340529	336884	335851	337755	0.73	cps
Yttrium	89-1	3549397	3430522	3567939	3515953	2.12	cps
Yttrium	89-2	188253	199573	202004	196610	3.73	cps
Zinc	66-2	164114	161918	162574	162869	0.69	cps

LB Number :	LB100404	Operator :	Jaswal
Lab Sample ID :	CCV49	Instrumnet Name :	P8
Client Sample ID :	CCV49	Dilution Factor :	1
Date & Time Acquired ::	2019-01-18 18:14:14	DataFile Name :	033SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	90-1	3756277	3750791	3740844	3749304	0.21	cps
Zirconium	91-1	817868	823075	820431	820458	0.32	cps

LB Number : LB100404 Operator : Jaswal
 Lab Sample ID : CCB49 Instrumnet Name : P8
 Client Sample ID : CCB49 Dilution Factor : 1
 Date & Time Acquired :: 2019-01-18 18:18:49 DataFile Name : 034CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	58	50	65	58	13.05	cps
Antimony	121-1	883	950	992	942	5.80	cps
Arsenic	75-2	13	11	9	11	16.65	cps
Barium	135-1	17	17	17	17	0.00	cps
Barium	137-1	25	33	25	28	17.31	cps
Beryllium	9-1	63	67	53	61	11.36	cps
Bismuth	209-1	1548307	1669403	1479920	1565876	6.13	cps
Bismuth	209-2	858673	807845	807675	824731	3.56	cps
Boron	10-1	808	933	792	845	9.17	cps
Boron	11-1	4376	4017	3859	4084	6.48	cps
Cadmium	111-1	582	611	564	586	4.06	cps
Cadmium	106-1	833	850	817	833	2.00	cps
Cadmium	108-1	8	13	17	13	33.36	cps
Calcium	43-1	307	393	403	368	14.45	cps
Calcium	44-1	44952	44842	45764	45186	1.12	cps
Chromium	52-2	1877	1987	1850	1905	3.80	cps
Cobalt	59-2	90	97	60	82	23.76	cps
Copper	63-2	560	610	597	589	4.40	cps
Dysprosium	156-1	17	0	0	6	173.21	cps
Dysprosium	156-2	0	0	0	0	0.00	cps
Erbium	164-1	17	0	8	8	100.02	cps
Erbium	164-2	0	3	3	2	86.60	cps
Gadolinium	160-1	8	42	8	19	99.00	cps
Gadolinium	160-2	3	0	10	4	114.60	cps
Holmium	165-1	2761508	2864946	2649446	2758633	3.91	cps
Holmium	165-2	1162113	1119271	1096240	1125874	2.97	cps
Indium	115-1	2822212	2926234	2719010	2822485	3.67	cps
Indium	115-2	246335	235794	232511	238213	3.03	cps
Iron	56-2	3873	3956	4184	4004	4.02	cps
Iron	57-2	122	94	150	122	22.73	cps
Krypton	83-1	667	600	633	633	5.26	cps
Lead	206-1	378	283	350	337	14.40	cps
Lead	207-1	367	356	361	361	1.54	cps
Lead	208-1	1478	1472	1400	1450	2.99	cps
Lithium	6-1	478965	489258	466158	478127	2.42	cps
Magnesium	24-2	400	425	308	378	16.26	cps

LB Number :	LB100404	Operator :	Jaswal
Lab Sample ID :	CCB49	Instrumnet Name :	P8
Client Sample ID :	CCB49	Dilution Factor :	1
Date & Time Acquired ::	2019-01-18 18:18:49	DataFile Name :	034CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	90	100	53	81	30.29	cps
Molybdenum	94-1	300	275	350	308	12.39	cps
Molybdenum	95-1	233	233	275	247	9.73	cps
Molybdenum	96-1	333	425	283	347	20.69	cps
Molybdenum	97-1	383	383	408	392	3.69	cps
Molybdenum	98-1	283	333	367	328	12.80	cps
Neodymium	150-1	0	33	7	13	132.27	cps
Neodymium	150-2	0	0	0	0	0.00	cps
Nickel	60-2	67	103	127	99	30.58	cps
Phosphorus	31-2	25	25	8	19	49.50	cps
Potassium	39-2	6694	6577	6518	6596	1.35	cps
Rhodium	103-1	2920312	3024021	2821651	2921995	3.46	cps
Rhodium	103-2	1268952	1215152	1194480	1226195	3.14	cps
Scandium	45-1	2630073	2708372	2574859	2637768	2.54	cps
Scandium	45-2	35184	34095	33694	34324	2.25	cps
Selenium	77-2	0	0	0	0	0.00	cps
Selenium	78-2	2	0	2	1	86.60	cps
Selenium	82-1	-38	-52	-78	-56	-35.85	cps
Silicon	28-1	353329	357034	351535	353966	0.79	cps
Silver	109-1	408	500	508	472	11.75	cps
Silver	107-1	558	408	558	508	17.04	cps
Sodium	23-2	31703	32346	32188	32079	1.04	cps
Strontium	86-1	867	775	867	836	6.33	cps
Strontium	88-1	42	17	83	47	71.32	cps
Sulfur	34-1	484278	490687	489248	488071	0.69	cps
Terbium	159-1	3003528	3093478	2911950	3002985	3.02	cps
Terbium	159-2	1193146	1134625	1123027	1150266	3.27	cps
Thallium	203-1	58	108	42	69	49.96	cps
Thallium	205-1	117	125	125	122	3.93	cps
Tin	118-1	325	400	267	331	20.22	cps
Titanium	47-1	133	133	133	133	0.00	cps
Uranium	238-1	33	75	42	50	44.10	cps
Vanadium	51-2	17	13	13	14	13.35	cps
Yttrium	89-1	3487072	3571372	3327660	3462035	3.58	cps
Yttrium	89-2	204514	194223	190632	196456	3.67	cps
Zinc	66-2	57	57	30	48	32.23	cps

LB Number :	LB100404	Operator :	Jaswal
Lab Sample ID :	CCB49	Instrumnet Name :	P8
Client Sample ID :	CCB49	Dilution Factor :	1
Date & Time Acquired ::	2019-01-18 18:18:49	DataFile Name :	034CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	90-1	400	350	250	333	22.91	cps
Zirconium	91-1	83	50	58	64	27.15	cps