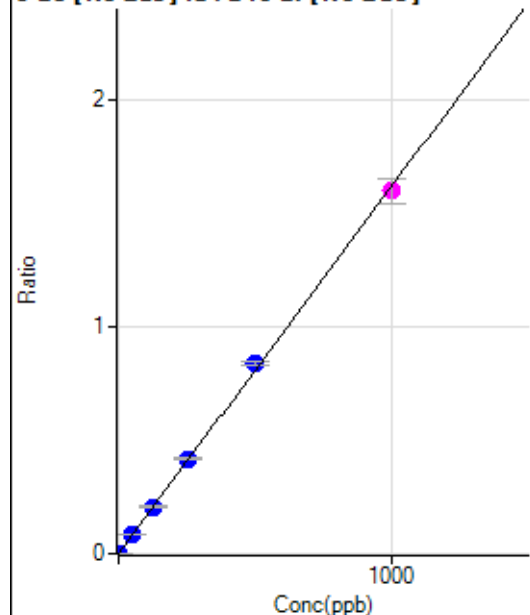


Batch Folder: D:\P8012119MS.b\
Analysis File: P8012119MS.batch.bin
DA Date-Time: 2019-01-21 15:05:19
Calibration Title:
Calibration Method: External Calibration
VIS Interpolation Fit:

Level	Standard Data File	Sample Name	Acq. Date-Time
1	003CALB.d	S00	2019-01-21 12:43:37
2			
3	005CALS.d	S02	2019-01-21 12:51:11
4	006CALS.d	S03	2019-01-21 12:55:07
5	007CALS.d	S04	2019-01-21 12:59:04
6	008CALS.d	S05	2019-01-21 13:02:57
7	009CALS.d	S06	2019-01-21 13:06:44
8	010CALS.d	S07	2019-01-21 13:10:27
9	012CALS.d	S08	2019-01-21 13:17:47

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



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	23.33	0.0000	P	29.0
2	☐	0.100					
3	☐	1.000	0.896	1038.94	0.0015	P	5.6
4	☐	50.000	51.331	57428.53	0.0831	P	2.2
5	☐	125.000	127.840	141619.42	0.2069	P	0.7
6	☐	250.000	258.776	272284.86	0.4188	P	1.0
7	☐	500.000	518.567	537454.17	0.8393	P	1.5
8	☐	1000.000	988.101	1037818.91	1.5992	M	6.6
9	☐			83.34	0.0001	P	20.1

$$y = 0.0016 * x + 3.3325E-005$$

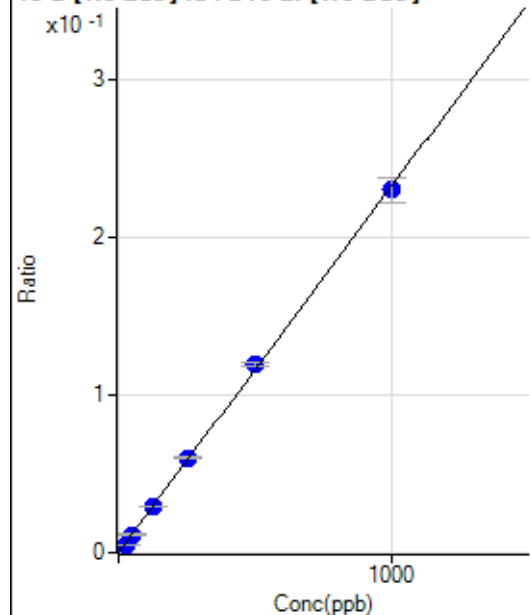
$$R = 0.9997$$

$$DL = 0.01794$$

Weight: <None>

Min Conc: 0

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



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	63.89	0.0001	P	26.6
2	☐	2.500					
3	☐	25.000	22.644	3745.09	0.0053	P	4.4
4	☐	50.000	49.229	7963.71	0.0115	P	5.0
5	☐	125.000	125.387	19975.69	0.0292	P	0.9
6	☐	250.000	259.056	39149.13	0.0602	P	2.8
7	☐	500.000	515.275	76624.78	0.1197	P	2.5
8	☐	1000.000	990.148	149151.90	0.2299	P	7.1
9	☐			1055.64	0.0019	P	16.5

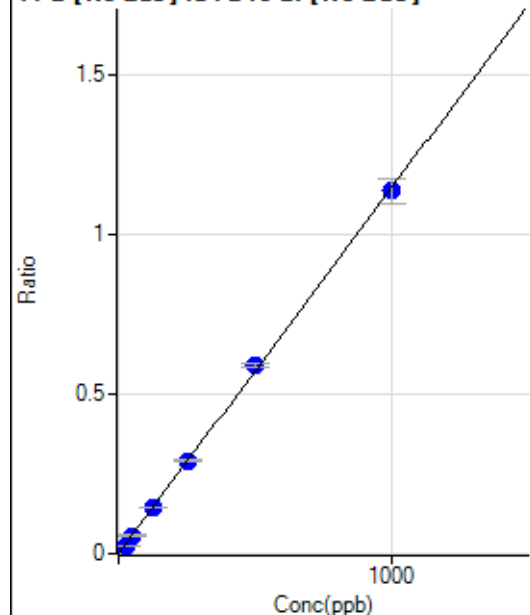
$$y = 2.3207E-004 * x + 9.1092E-005$$

$$R = 0.9998$$

$$DL = 0.3135$$

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	263.90	0.0004	P	22.4
2	☐	2.500					
3	☐	25.000	22.445	18276.23	0.0261	P	0.5
4	☐	50.000	49.396	39366.08	0.0570	P	3.1
5	☐	125.000	124.543	97911.61	0.1431	P	1.3
6	☐	250.000	253.576	189125.26	0.2909	P	2.1
7	☐	500.000	514.472	377724.88	0.5899	P	1.8
8	☐	1000.000	992.021	737706.61	1.1371	P	7.2
9	☐			5140.08	0.0092	P	4.9

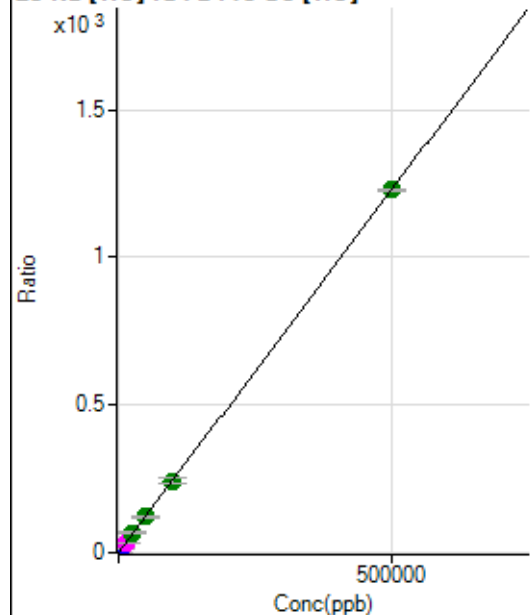
$$y = 0.0011 * x + 3.7637E-004$$

$$R = 0.9998$$

$$DL = 0.2206$$

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	13862.87	0.4003	P	1.9
2	☐	50.000					
3	☐	500.000	457.708	53342.71	1.5238	P	3.2
4	☐	5000.000	5163.406	447956.76	13.0744	P	1.9
5	☐	12500.000	12875.598	1107440.27	32.0047	M	2.7
6	☐	25000.000	26878.273	2212051.91	66.3755	A	6.8
7	☐	50000.000	49737.416	4292984.04	122.4854	A	5.3
8	☐	100000.00	99210.284	8504612.60	243.9212	A	5.8
9	☐	500000.00	500079.30	43330263.82	1,227.891	A	0.4

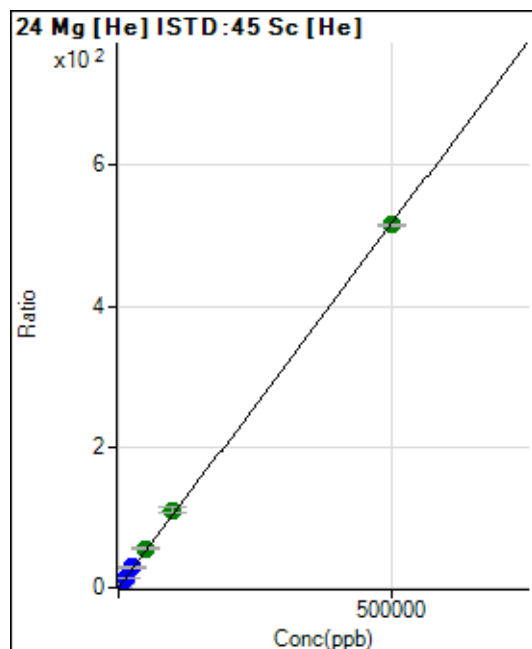
$$y = 0.0025 * x + 0.4003$$

$$R = 1.0000$$

$$DL = 9.488$$

Weight: <None>

Min Conc: 0



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	383.36	0.0111	P	14.1
2	☐	50.000					
3	☐	500.000	480.225	17767.31	0.5077	P	4.2
4	☐	5000.000	5586.717	198317.14	5.7881	P	1.8
5	☐	12500.000	13552.856	485357.71	14.0255	P	1.1
6	☐	25000.000	27802.058	958485.07	28.7601	P	6.8
7	☐	50000.000	53615.888	1943349.41	55.4531	A	5.7
8	☐	100000.00	106199.64	3827772.83	109.8279	A	6.9
9	☐	500000.00	498226.21	18181172.63	515.2072	A	0.6

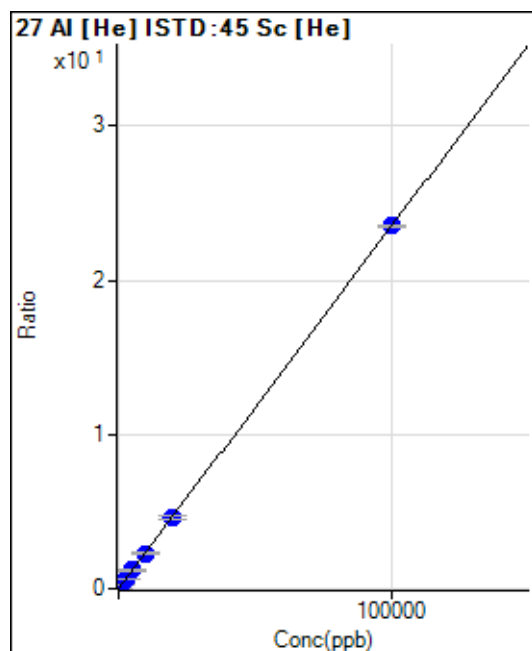
$$y = 0.0010 * x + 0.0111$$

$$R = 0.9999$$

$$DL = 4.536$$

Weight: <None>

Min Conc: 0



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	48.35	0.0014	P	21.8
2	☐	2.000					
3	☐	20.000	16.104	180.88	0.0052	P	12.8
4	☐	1000.000	1040.481	8423.86	0.2459	P	3.6
5	☐	2500.000	2508.081	20445.72	0.5908	P	1.0
6	☐	5000.000	5124.414	40186.52	1.2057	P	6.5
7	☐	10000.000	9767.767	80476.98	2.2969	P	6.2
8	☐	20000.000	19745.624	161841.86	4.6418	P	5.7
9	☐	100000.00	100067.27	829920.71	23.5180	P	0.2

$$y = 2.3501E-004 * x + 0.0014$$

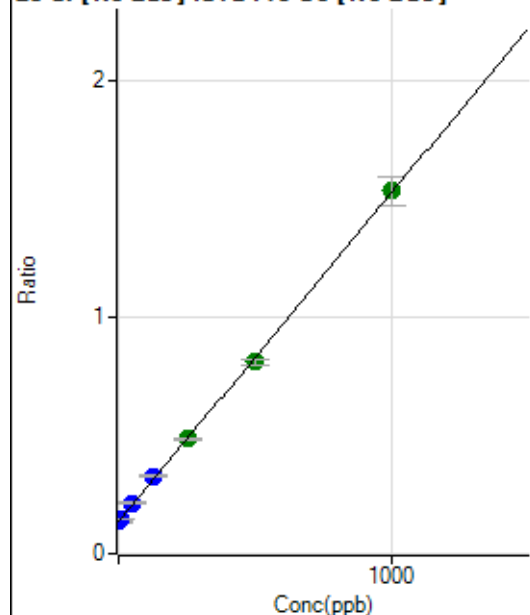
$$R = 1.0000$$

$$DL = 3.868$$

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	353990.32	0.1354	P	2.1
2	☐	1.000					
3	☐	10.000	7.626	382204.66	0.1460	P	0.3
4	☐	50.000	56.372	549432.55	0.2139	P	2.4
5	☐	125.000	139.360	848948.79	0.3294	P	2.0
6	☐	250.000	250.902	1231409.28	0.4847	A	2.8
7	☐	500.000	484.421	2060901.95	0.8098	A	2.9
8	☐	1000.000	1005.474	4189772.19	1.5351	A	8.1
9	☐			464331.38	0.1811	P	2.3

$$y = 0.0014 * x + 0.1354$$

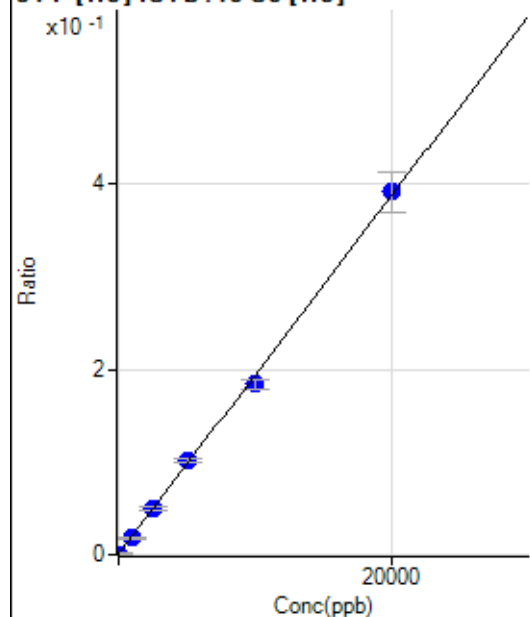
$$R = 0.9997$$

$$DL = 6.15$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	-14.027	13.89	0.0004	P	90.9
2	☐	0.000					
3	☐	0.000	14.027	33.33	0.0009	P	64.9
4	☐	1000.000	885.881	611.15	0.0178	P	9.7
5	☐	2500.000	2525.550	1714.08	0.0495	P	7.1
6	☐	5000.000	5202.266	3383.90	0.1013	P	4.1
7	☐	10000.000	9474.478	6446.21	0.1839	P	6.1
8	☐	20000.000	20214.707	13632.12	0.3917	P	10.9
9	☐			11.11	0.0003	P	43.4

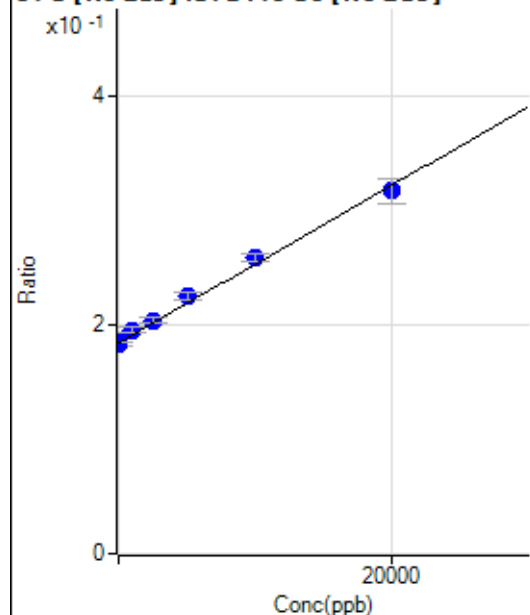
$$y = 1.9344E-005 * x + 6.7114E-004$$

$$R = 0.9994$$

$$DL = 75.62$$

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	-91.945	479668.44	0.1835	P	1.5
2	☐	0.000					
3	☐	0.000	91.945	483529.60	0.1848	P	0.8
4	☐	1000.000	1663.210	502361.09	0.1956	P	2.3
5	☐	2500.000	2846.962	524943.87	0.2037	P	2.3
6	☐	5000.000	5846.881	569931.69	0.2243	P	3.0
7	☐	10000.000	10842.590	658475.18	0.2587	P	2.1
8	☐	20000.000	19290.454	865159.53	0.3168	P	7.0
9	☐			374559.96	0.1461	P	1.1

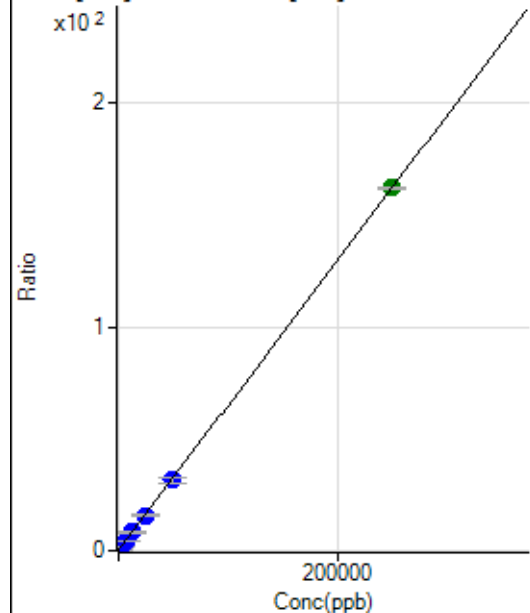
$$y = 6.8785E-006 * x + 0.1841$$

$$R = 0.9974$$

$$DL = 901.1$$

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	5629.16	0.1626	P	6.1
2	☐	50.000					
3	☐	500.000	442.204	15714.97	0.4488	P	2.7
4	☐	2500.000	2477.964	60525.77	1.7665	P	2.2
5	☐	6250.000	6178.933	144022.24	4.1620	P	1.6
6	☐	12500.000	12596.854	277101.24	8.3160	P	7.2
7	☐	25000.000	23746.946	544390.54	15.5330	P	5.4
8	☐	50000.000	48282.502	1095318.84	31.4138	P	5.6
9	☐	250000.00	250466.07	5726476.86	162.2786	A	0.7

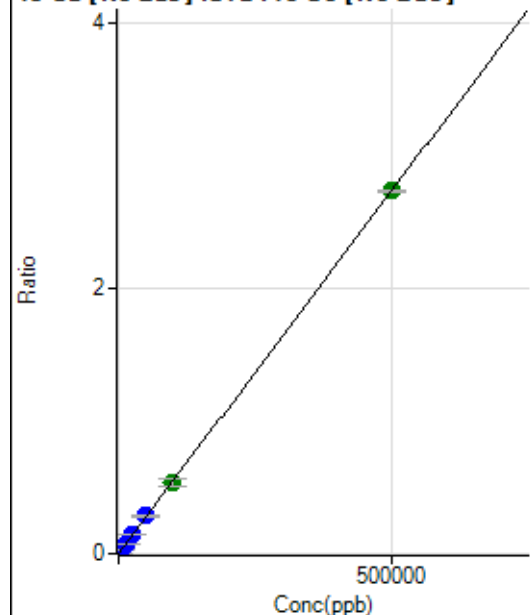
$$y = 6.4726E-004 * x + 0.1626$$

$$R = 1.0000$$

$$DL = 46.05$$

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	360.01	0.0001	P	7.5
2	☐	50.000					
3	☐	500.000	474.968	7158.59	0.0027	P	2.9
4	☐	5000.000	5270.140	74381.85	0.0290	P	3.2
5	☐	12500.000	13058.798	184400.21	0.0716	P	2.2
6	☐	25000.000	26301.786	365753.80	0.1440	P	3.3
7	☐	50000.000	52038.461	724663.51	0.2847	P	2.6
8	☐	100000.00	98231.800	1466305.59	0.5374	A	8.6
9	☐	500000.00	500068.05	7010949.48	2.7350	A	0.7

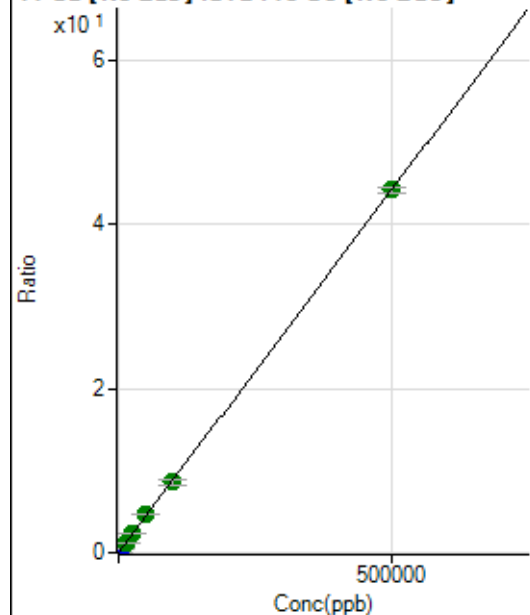
$$y = 5.4689\text{E-}006 * x + 1.3772\text{E-}004$$

$$R = 1.0000$$

$$DL = 5.652$$

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	36773.80	0.0141	P	1.1
2	☐	50.000					
3	☐	500.000	475.514	146662.65	0.0560	P	0.4
4	☐	5000.000	5303.153	1238598.53	0.4821	P	1.8
5	☐	12500.000	13317.180	3065301.93	1.1895	A	2.5
6	☐	25000.000	26402.658	5956437.13	2.3445	A	2.8
7	☐	50000.000	52209.072	11765050.24	4.6223	A	2.2
8	☐	100000.00	97604.705	23551811.32	8.6291	A	8.1
9	☐	500000.00	500164.58	113199410.5	44.1610	A	1.6

$$y = 8.8265\text{E-}005 * x + 0.0141$$

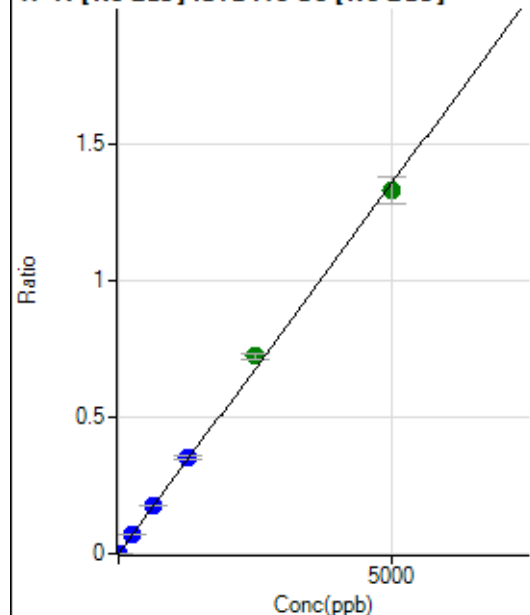
$$R = 1.0000$$

$$DL = 5.053$$

Weight: <None>

Min Conc: 0

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



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	111.12	0.0000	P	19.8
2	☐	0.500					
3	☐	5.000	4.913	3595.08	0.0014	P	4.2
4	☐	250.000	260.357	181312.82	0.0706	P	1.9
5	☐	625.000	646.765	451667.53	0.1753	P	2.1
6	☐	1250.000	1295.001	891481.84	0.3509	P	2.7
7	☐	2500.000	2664.668	1837549.95	0.7220	A	2.4
8	☐	5000.000	4903.177	3627086.23	1.3284	A	7.3
9	☐			638.94	0.0002	P	17.7

$$y = 2.7092E-004 * x + 4.2547E-005$$

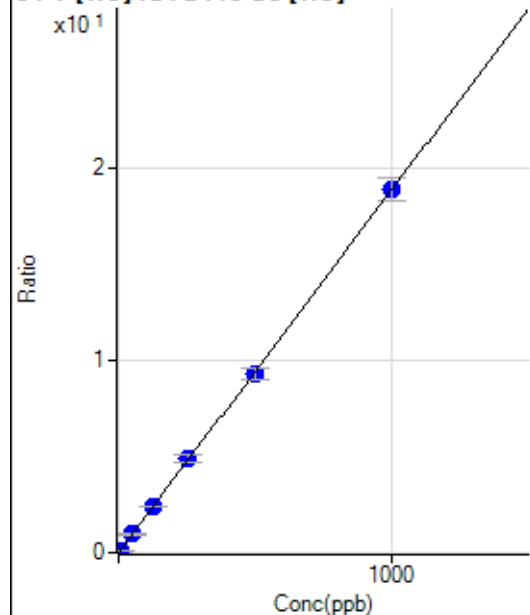
$$R = 0.9991$$

$$DL = 0.09318$$

Weight: <None>

Min Conc: 0

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



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	24.44	0.0007	P	33.2
2	☐	0.500					
3	☐	5.000	4.906	3259.33	0.0931	P	3.0
4	☐	50.000	50.523	32627.10	0.9523	P	2.4
5	☐	125.000	125.991	82141.36	2.3737	P	1.3
6	☐	250.000	259.384	162796.75	4.8861	P	7.4
7	☐	500.000	493.798	325924.64	9.3012	P	5.9
8	☐	1000.000	1000.605	656978.61	18.8467	P	6.3
9	☐			145.56	0.0041	P	22.3

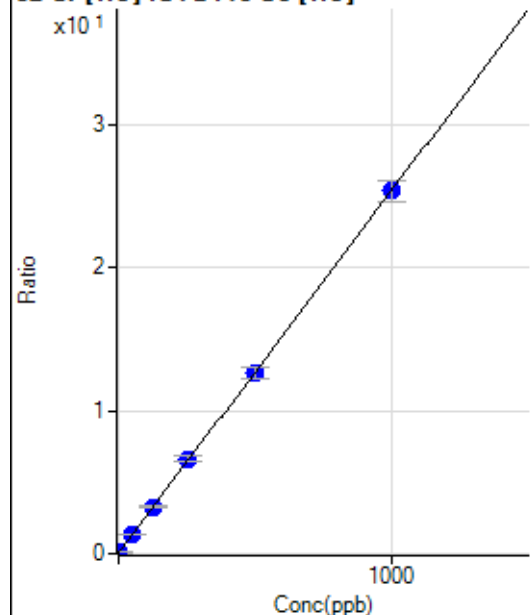
$$y = 0.0188 * x + 7.0426E-004$$

$$R = 0.9999$$

$$DL = 0.03719$$

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	1673.46	0.0483	P	1.2
2	☐	0.200					
3	☐	2.000	1.717	3212.65	0.0919	P	8.7
4	☐	50.000	52.247	47061.27	1.3737	P	2.6
5	☐	125.000	127.831	113889.70	3.2911	P	0.8
6	☐	250.000	260.404	221787.54	6.6541	P	6.5
7	☐	500.000	495.082	441733.97	12.6073	P	6.1
8	☐	1000.000	999.393	885623.35	25.4003	P	5.7
9	☐			9467.79	0.2683	P	1.5

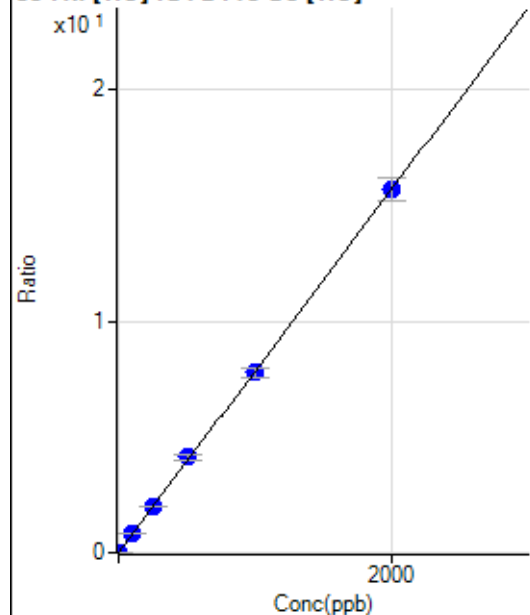
$$y = 0.0254 * x + 0.0483$$

$$R = 0.9999$$

$$DL = 0.071$$

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	73.33	0.0021	P	41.1
2	☐	0.100					
3	☐	1.000	1.060	364.46	0.0104	P	11.5
4	☐	100.000	104.997	28273.20	0.8252	P	2.2
5	☐	250.000	255.516	69384.66	2.0051	P	1.9
6	☐	500.000	525.760	137396.26	4.1236	P	7.3
7	☐	1000.000	990.991	272356.97	7.7705	P	5.2
8	☐	2000.000	1997.125	545813.51	15.6577	P	6.3
9	☐			2911.47	0.0825	P	6.0

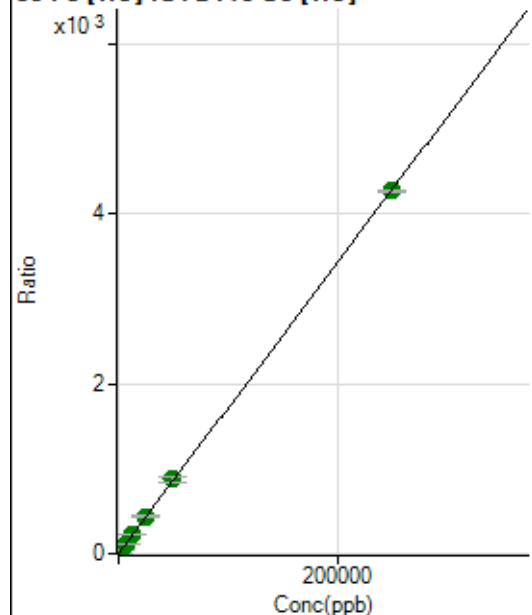
$$y = 0.0078 * x + 0.0021$$

$$R = 0.9999$$

$$DL = 0.3323$$

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	3487.59	0.1007	P	2.3
2	☐	5.000					
3	☐	50.000	51.285	34251.83	0.9786	P	4.4
4	☐	2500.000	2693.085	1582737.48	46.2003	A	2.7
5	☐	6250.000	6539.123	3877042.42	112.0359	A	1.3
6	☐	12500.000	13307.022	7592976.10	227.8873	A	7.4
7	☐	25000.000	25316.553	15189780.32	433.4637	A	5.8
8	☐	50000.000	51006.966	30442079.15	873.2264	A	6.1
9	☐	250000.00	249717.44	150847442.2	4,274.707	A	0.5

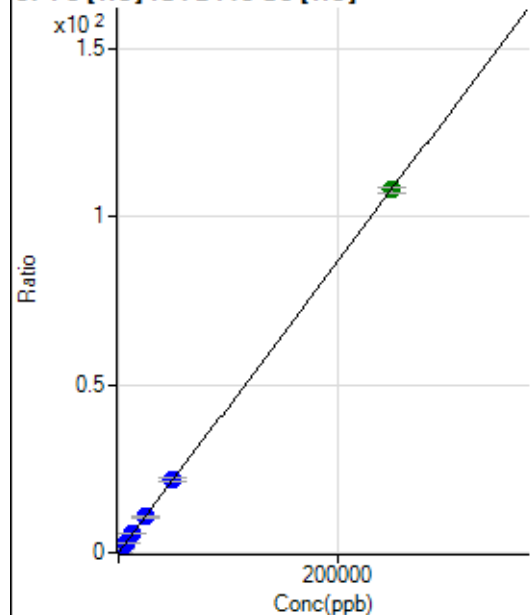
$$y = 0.0171 * x + 0.1007$$

$$R = 1.0000$$

$$DL = 0.4028$$

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	101.86	0.0029	P	10.4
2	☐	5.000					
3	☐	50.000	51.696	883.39	0.0253	P	6.9
4	☐	2500.000	2578.013	38219.45	1.1156	P	2.8
5	☐	6250.000	6403.935	95753.13	2.7669	P	0.8
6	☐	12500.000	13249.260	190655.51	5.7215	P	7.0
7	☐	25000.000	25091.833	379612.46	10.8328	P	5.8
8	☐	50000.000	50450.287	759184.46	21.7778	P	6.2
9	☐	250000.00	249858.66	3805552.34	107.8447	A	1.6

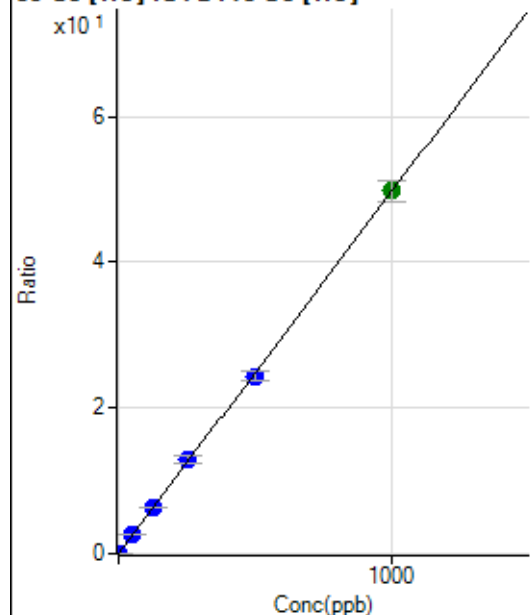
$$y = 4.3161E-004 * x + 0.0029$$

$$R = 1.0000$$

$$DL = 2.118$$

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	118.89	0.0034	P	36.2
2	☐	0.100					
3	☐	1.000	0.890	1665.69	0.0476	P	5.5
4	☐	50.000	51.711	88085.15	2.5712	P	2.6
5	☐	125.000	126.347	217219.58	6.2772	P	1.6
6	☐	250.000	258.865	428354.11	12.8575	P	7.6
7	☐	500.000	490.420	853457.86	24.3554	P	5.8
8	☐	1000.000	1002.320	1735272.47	49.7740	A	6.1
9	☐			20204.85	0.5726	P	0.7

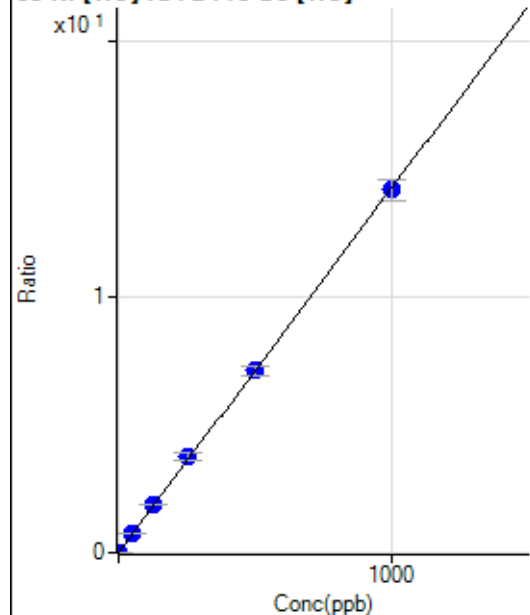
$$y = 0.0497 * x + 0.0034$$

$$R = 0.9999$$

$$DL = 0.07482$$

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	80.00	0.0023	P	18.3
2	☐	0.100					
3	☐	1.000	0.948	555.58	0.0158	P	9.5
4	☐	50.000	53.265	26109.21	0.7621	P	2.1
5	☐	125.000	130.113	64302.13	1.8582	P	1.5
6	☐	250.000	265.537	126256.15	3.7898	P	7.7
7	☐	500.000	499.374	249701.34	7.1252	P	5.6
8	☐	1000.000	995.626	495248.05	14.2035	P	5.6
9	☐			6831.78	0.1936	P	1.1

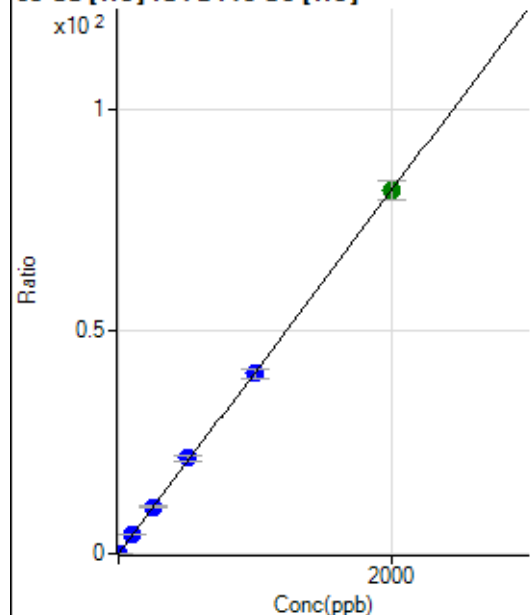
$$y = 0.0143 * x + 0.0023$$

$$R = 0.9999$$

$$DL = 0.08871$$

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	437.79	0.0126	P	6.4
2	☐	0.200					
3	☐	2.000	1.902	3161.53	0.0903	P	5.2
4	☐	100.000	104.114	146083.95	4.2645	P	3.1
5	☐	250.000	258.795	366165.18	10.5813	P	1.4
6	☐	500.000	523.895	713393.79	21.4075	P	6.9
7	☐	1000.000	990.650	1418081.25	40.4689	P	5.9
8	☐	2000.000	1997.396	2844804.44	81.5825	A	5.4
9	☐			4175.15	0.1183	P	3.3

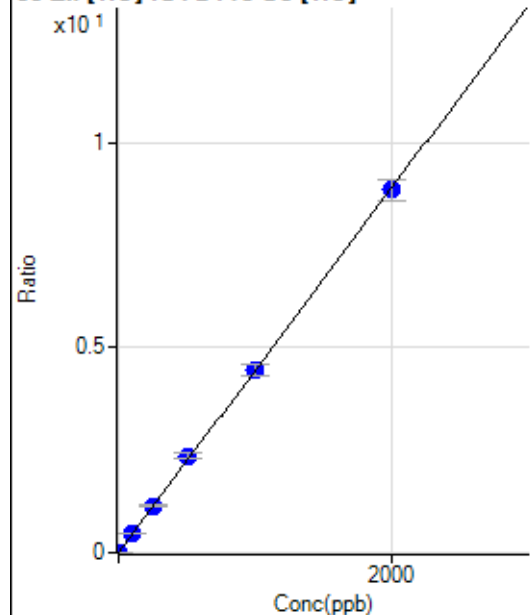
$$y = 0.0408 * x + 0.0126$$

$$R = 0.9999$$

$$DL = 0.0593$$

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	82.23	0.0024	P	36.3
2	☐	0.200					
3	☐	2.000	1.818	365.57	0.0104	P	6.2
4	☐	100.000	104.973	16046.18	0.4684	P	3.2
5	☐	250.000	256.589	39503.02	1.1415	P	1.8
6	☐	500.000	532.278	78813.48	2.3655	P	7.5
7	☐	1000.000	1001.514	155922.51	4.4488	P	5.3
8	☐	2000.000	1990.101	308138.23	8.8378	P	5.8
9	☐			2905.91	0.0824	P	1.8

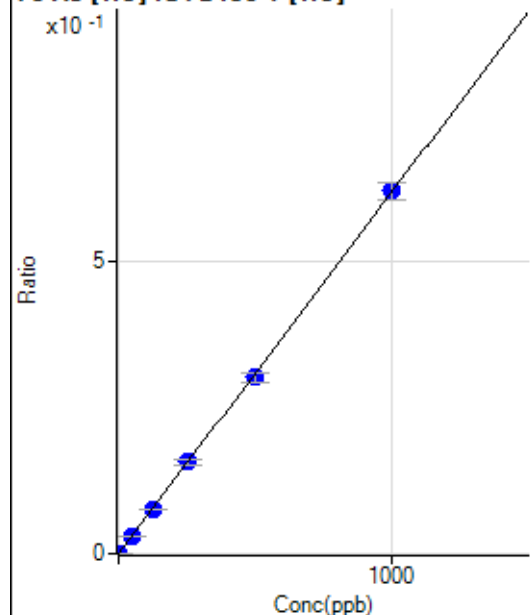
$$y = 0.0044 * x + 0.0024$$

$$R = 0.9999$$

$$DL = 0.5823$$

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	11.73	0.0001	P	93.1
2	☐	0.100					
3	☐	1.000	0.963	125.93	0.0007	P	12.9
4	☐	50.000	49.852	5877.84	0.0308	P	0.9
5	☐	125.000	124.549	14694.96	0.0769	P	0.9
6	☐	250.000	253.463	28916.69	0.1564	P	6.6
7	☐	500.000	488.418	57878.53	0.3012	P	6.0
8	☐	1000.000	1004.989	117372.70	0.6198	P	5.1
9	☐			169.76	0.0009	P	13.3

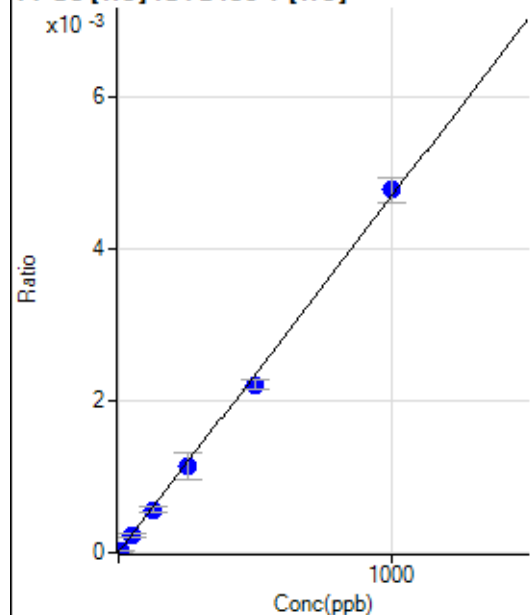
$$y = 6.1664\text{E-}004 * x + 6.1427\text{E-}005$$

$$R = 0.9999$$

$$DL = 0.2781$$

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	1.11	0.0000	P	173.2
2	☐	0.500					
3	☐	5.000	4.983	5.56	0.0000	P	36.9
4	☐	50.000	45.998	42.22	0.0002	P	23.6
5	☐	125.000	117.918	106.67	0.0006	P	13.7
6	☐	250.000	239.834	206.67	0.0011	P	31.7
7	☐	500.000	470.463	424.46	0.0022	P	6.1
8	☐	1000.000	1018.396	903.38	0.0048	P	6.7
9	☐			3.33	0.0000	P	173.2

$$y = 4.6795\text{E-}006 * x + 5.8091\text{E-}006$$

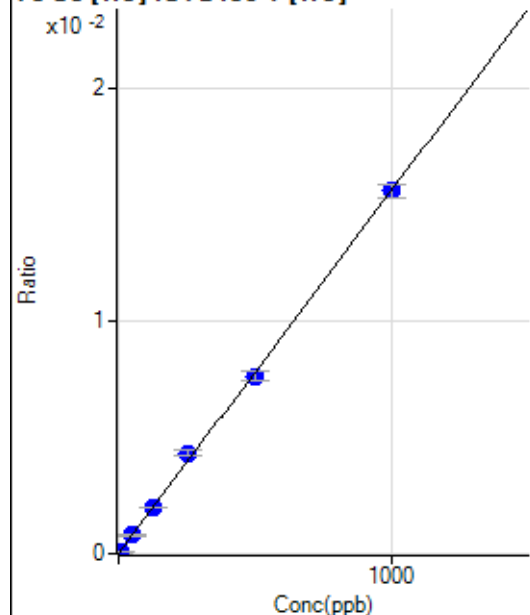
$$R = 0.9993$$

$$DL = 6.451$$

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	99.9
2	☐	0.500					
3	☐	5.000	5.168	17.28	0.0001	P	36.9
4	☐	50.000	50.136	151.24	0.0008	P	13.4
5	☐	125.000	126.677	379.64	0.0020	P	2.4
6	☐	250.000	276.968	802.50	0.0043	P	4.3
7	☐	500.000	488.738	1467.38	0.0076	P	5.6
8	☐	1000.000	998.672	2953.44	0.0156	P	3.8
9	☐			3.08	0.0000	P	34.9

$$y = 1.5600\text{E-}005 * x + 9.6957\text{E-}006$$

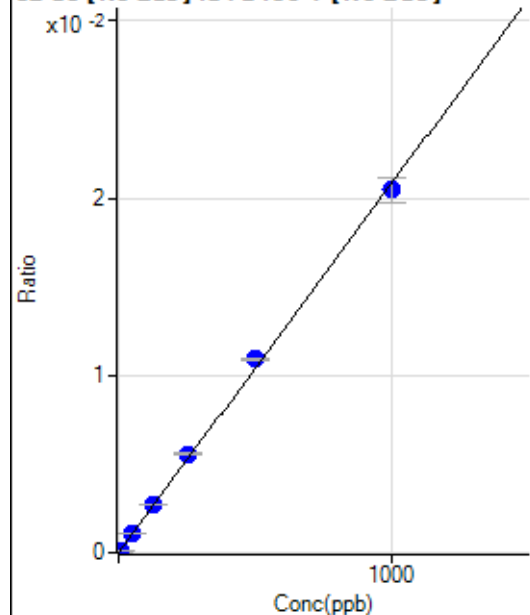
$$R = 0.9995$$

$$DL = 1.862$$

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	-8.40	0.0000	P	-651.
2	☐	0.500					
3	☐	5.000	5.578	405.78	0.0001	P	13.5
4	☐	50.000	53.164	3902.01	0.0011	P	4.4
5	☐	125.000	130.089	9697.32	0.0027	P	1.8
6	☐	250.000	267.125	19286.09	0.0056	P	1.2
7	☐	500.000	523.734	38473.13	0.0109	P	1.9
8	☐	1000.000	983.055	77159.18	0.0205	P	7.0
9	☐			9.66	0.0000	P	439.9

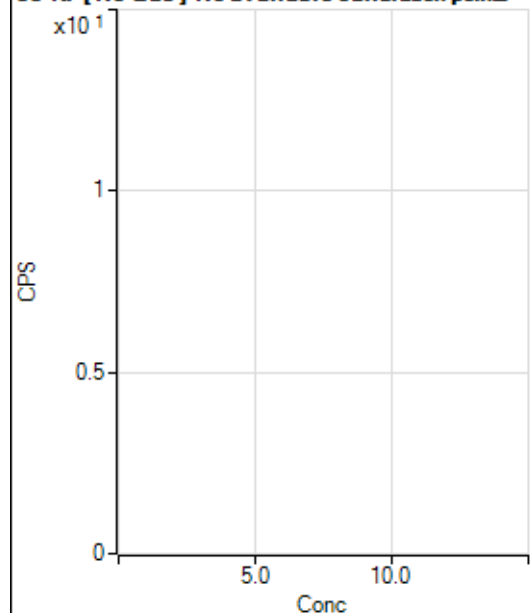
$$y = 2.0810\text{E-}005 * x - 2.3458\text{E-}006$$

$$R = 0.9994$$

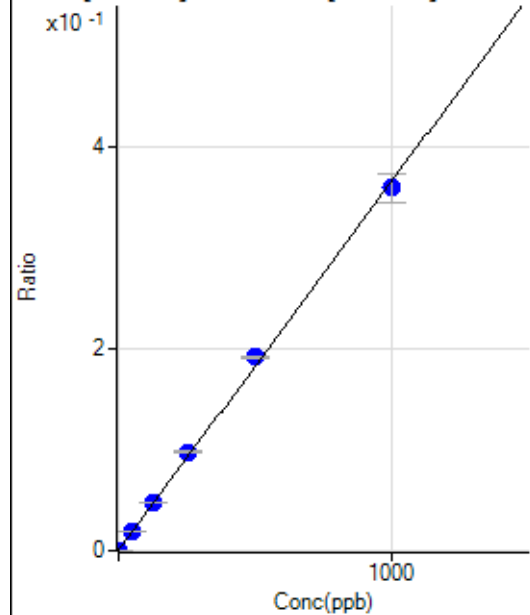
$$DL = 2.203$$

Weight: <None>

Min Conc: 0

83 Kr [No Gas] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			602.25		P	10.6
2	☐						
3	☐			577.80		P	3.5
4	☐			585.58		P	5.7
5	☐			596.69		P	2.6
6	☐			550.02		P	8.4
7	☐			591.14		P	6.0
8	☐			571.14		P	3.4
9	☐			594.47		P	8.2

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	936.19	0.0003	P	19.5
2	☐	0.100					
3	☐	1.000	0.877	2089.16	0.0006	P	2.3
4	☐	50.000	53.080	69371.25	0.0196	P	3.2
5	☐	125.000	131.260	172603.80	0.0481	P	0.6
6	☐	250.000	265.964	337541.79	0.0973	P	2.0
7	☐	500.000	523.735	675358.26	0.1913	P	1.4
8	☐	1000.000	983.205	1352809.31	0.3588	P	8.2
9	☐			6096.09	0.0018	P	3.8

$$y = 3.6469E-004 * x + 2.6504E-004$$

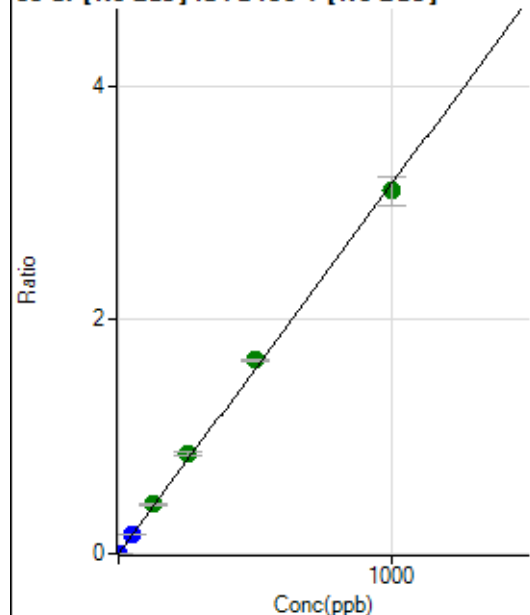
$$R = 0.9994$$

$$DL = 0.4248$$

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	50.00	0.0000	P	50.0
2	☐	0.100					
3	☐	1.000	0.948	10743.58	0.0030	P	1.3
4	☐	50.000	52.741	589292.76	0.1667	P	3.4
5	☐	125.000	132.885	1505976.22	0.4200	A	1.3
6	☐	250.000	270.938	2971916.54	0.8564	A	2.3
7	☐	500.000	523.294	5840075.52	1.6540	A	1.3
8	☐	1000.000	981.996	11703193.40	3.1037	A	7.9
9	☐			45251.44	0.0132	P	2.2

$$y = 0.0032 * x + 1.4158E-005$$

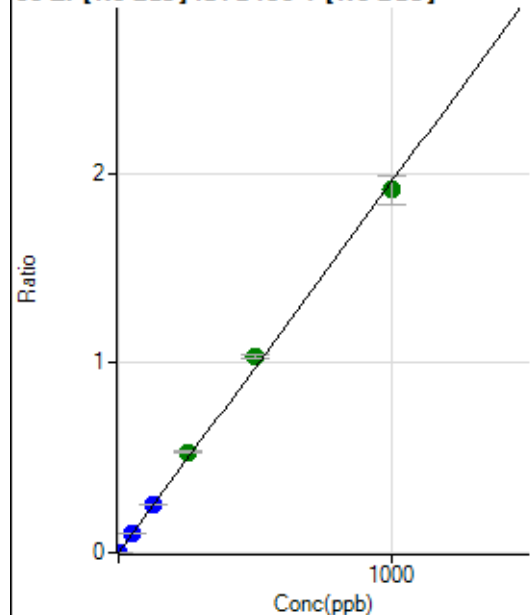
$$R = 0.9993$$

$$DL = 0.006724$$

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	216.68	0.0001	P	24.1
2	☐	0.100					
3	☐	1.000	0.951	6849.26	0.0019	P	4.1
4	☐	50.000	52.528	362987.08	0.1027	P	3.1
5	☐	125.000	129.964	910504.09	0.2540	P	2.0
6	☐	250.000	271.429	1840422.65	0.5303	A	2.3
7	☐	500.000	529.471	3652484.98	1.0344	A	1.7
8	☐	1000.000	979.160	7212705.11	1.9130	A	8.0
9	☐			1580.72	0.0005	P	9.5

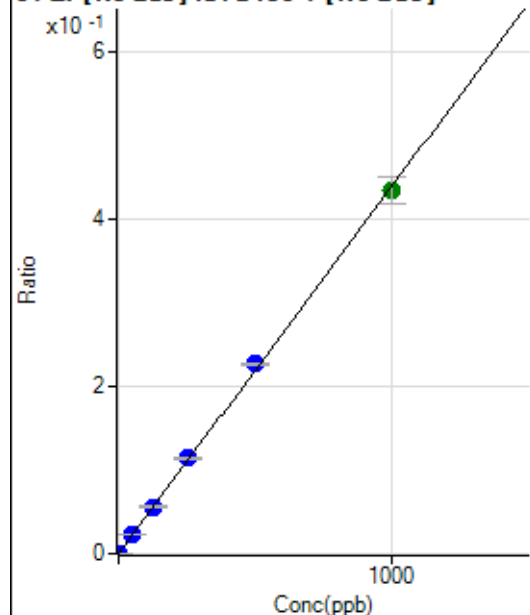
$$y = 0.0020 * x + 6.1359E-005$$

$$R = 0.9991$$

$$DL = 0.02267$$

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	63.89	0.0000	P	20.3
2	☐	0.100					
3	☐	1.000	0.884	1450.14	0.0004	P	5.9
4	☐	50.000	51.885	80622.42	0.0228	P	3.6
5	☐	125.000	127.720	201240.61	0.0561	P	1.1
6	☐	250.000	259.802	396120.86	0.1141	P	1.8
7	☐	500.000	516.475	801095.69	0.2269	P	1.3
8	☐	1000.000	988.878	1638356.99	0.4344	A	7.3
9	☐			397.24	0.0001	P	13.9

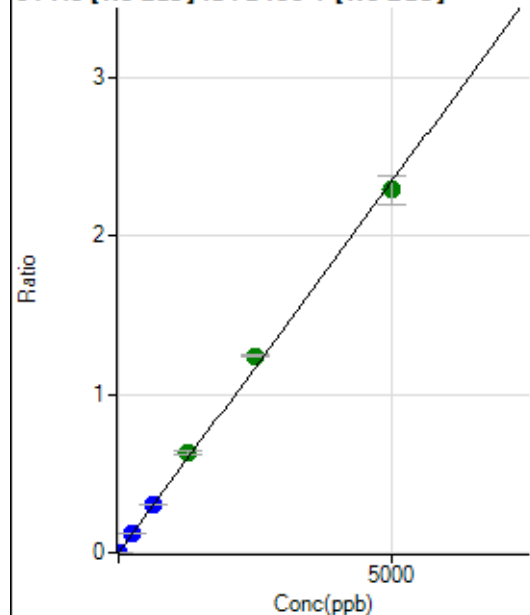
$$y = 4.3925\text{E-}004 * x + 1.8083\text{E-}005$$

$$R = 0.9997$$

$$DL = 0.02503$$

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	113.89	0.0000	P	55.2
2	☐	0.500					
3	☐	5.000	4.923	8339.05	0.0023	P	1.8
4	☐	250.000	260.881	431528.16	0.1221	P	3.0
5	☐	625.000	643.470	1079403.75	0.3010	P	1.0
6	☐	1250.000	1348.252	2188790.22	0.6307	A	2.3
7	☐	2500.000	2657.128	4388944.24	1.2430	A	1.2
8	☐	5000.000	4894.020	8632926.93	2.2893	A	7.7
9	☐			3169.97	0.0009	P	9.8

$$y = 4.6778\text{E-}004 * x + 3.2154\text{E-}005$$

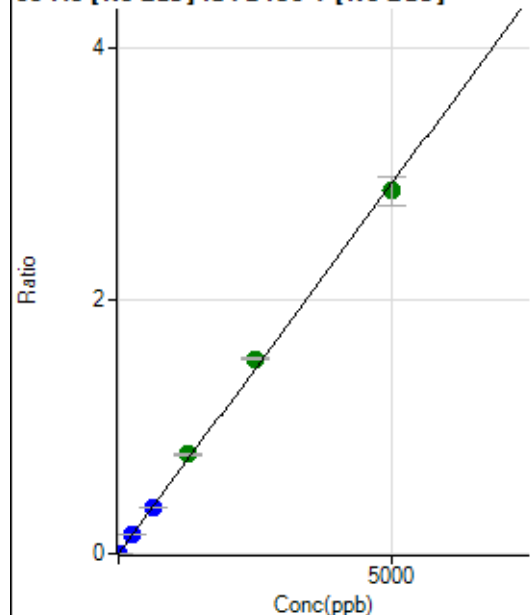
$$R = 0.9990$$

$$DL = 0.1137$$

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	38.89	0.0000	P	25.4
2	☐	0.500					
3	☐	5.000	4.851	10154.22	0.0028	P	1.1
4	☐	250.000	254.647	525776.78	0.1487	P	2.8
5	☐	625.000	630.559	1320351.00	0.3683	P	1.4
6	☐	1250.000	1346.172	2728383.70	0.7862	A	2.1
7	☐	2500.000	2638.154	5440208.63	1.5407	A	1.0
8	☐	5000.000	4905.953	10804531.32	2.8651	A	7.6
9	☐			4489.82	0.0013	P	2.3

$$y = 5.8399\text{E-}004 * x + 1.1014\text{E-}005$$

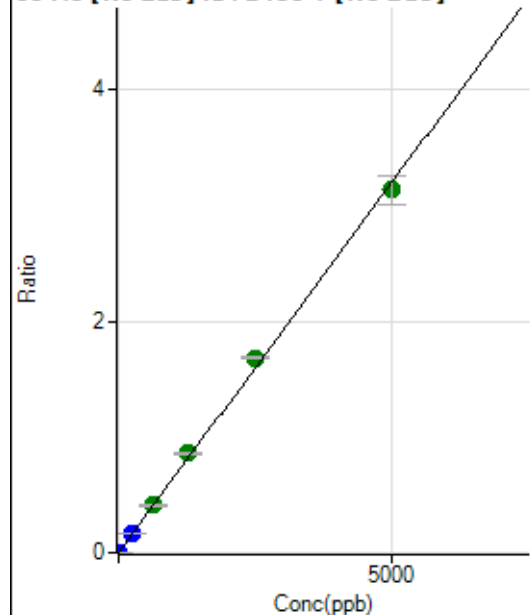
$$R = 0.9992$$

$$DL = 0.01438$$

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	52.78	0.0000	P	32.7
2	☐	0.500					
3	☐	5.000	4.895	11221.82	0.0031	P	4.4
4	☐	250.000	258.241	583537.22	0.1651	P	3.2
5	☐	625.000	642.608	1472628.41	0.4107	A	1.9
6	☐	1250.000	1341.051	2974742.79	0.8572	A	2.2
7	☐	2500.000	2635.651	5948459.38	1.6846	A	1.2
8	☐	5000.000	4906.799	11826827.95	3.1362	A	7.7
9	☐			5454.15	0.0016	P	2.8

$$y = 6.3916\text{E-}004 * x + 1.4930\text{E-}005$$

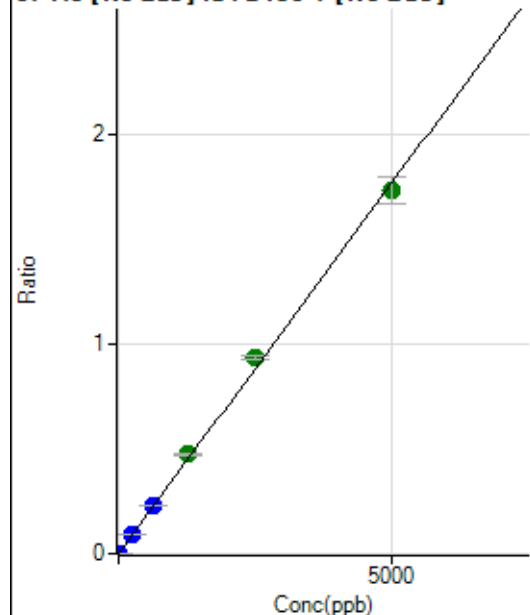
$$R = 0.9992$$

$$DL = 0.02295$$

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	83.34	0.0000	P	19.7
2	☐	0.500					
3	☐	5.000	4.783	6115.53	0.0017	P	1.2
4	☐	250.000	259.653	324287.44	0.0917	P	2.2
5	☐	625.000	641.586	812464.76	0.2266	P	1.4
6	☐	1250.000	1340.594	1642850.56	0.4734	A	3.0
7	☐	2500.000	2653.186	3308335.32	0.9370	A	1.8
8	☐	5000.000	4898.202	6523613.21	1.7298	A	7.6
9	☐			2828.19	0.0008	P	3.9

$$y = 3.5315E-004 * x + 2.3565E-005$$

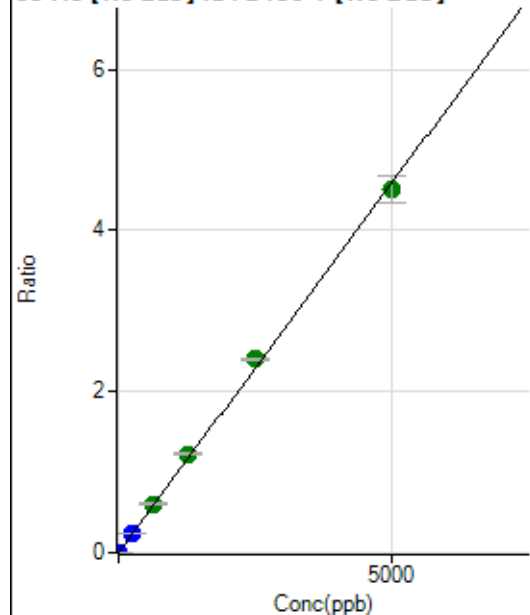
$$R = 0.9991$$

$$DL = 0.03938$$

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	55.56	0.0000	P	8.1
2	☐	0.500					
3	☐	5.000	4.904	16104.74	0.0045	P	2.4
4	☐	250.000	257.450	834136.93	0.2360	P	3.0
5	☐	625.000	658.372	2163411.01	0.6034	A	2.0
6	☐	1250.000	1331.914	4236283.64	1.2207	A	2.0
7	☐	2500.000	2622.993	8488347.67	2.4039	A	0.8
8	☐	5000.000	4913.481	16982667.74	4.5030	A	7.5
9	☐			7041.08	0.0021	P	6.1

$$y = 9.1646E-004 * x + 1.5713E-005$$

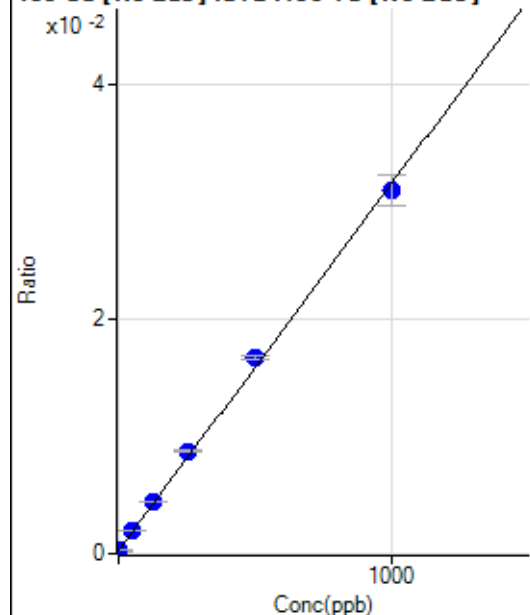
$$R = 0.9994$$

$$DL = 0.004161$$

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	858.40	0.0003	P	17.3
2	☐	0.100					
3	☐	1.000	0.646	925.08	0.0003	P	4.4
4	☐	50.000	52.854	6168.37	0.0019	P	0.7
5	☐	125.000	133.003	14538.98	0.0044	P	1.8
6	☐	250.000	270.215	28080.13	0.0087	P	1.3
7	☐	500.000	526.541	54466.51	0.0168	P	1.6
8	☐	1000.000	980.533	107731.53	0.0310	P	8.5
9	☐			697.27	0.0002	P	12.6

$$y = 3.1332\text{E-}005 * x + 2.6609\text{E-}004$$

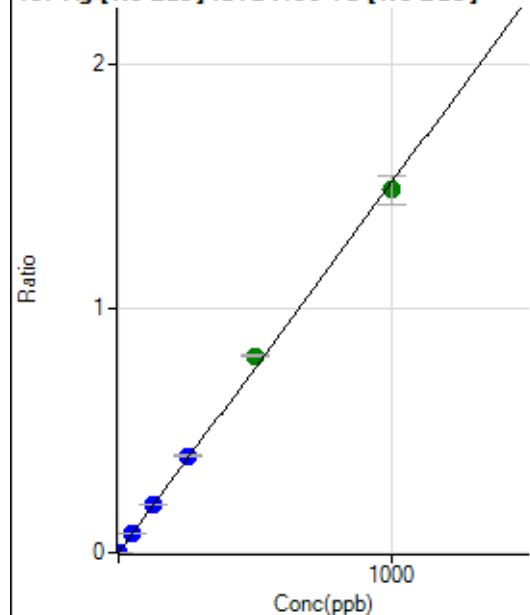
$$R = 0.9992$$

$$DL = 4.411$$

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	58.34	0.0000	P	75.0
2	☐	0.100					
3	☐	1.000	0.989	4903.91	0.0015	P	2.2
4	☐	50.000	53.646	261102.94	0.0814	P	2.2
5	☐	125.000	129.926	646392.96	0.1971	P	0.9
6	☐	250.000	262.404	1279828.48	0.3980	P	1.8
7	☐	500.000	530.745	2615765.42	0.8050	A	1.1
8	☐	1000.000	980.728	5172718.08	1.4876	A	8.2
9	☐			608.38	0.0002	P	7.0

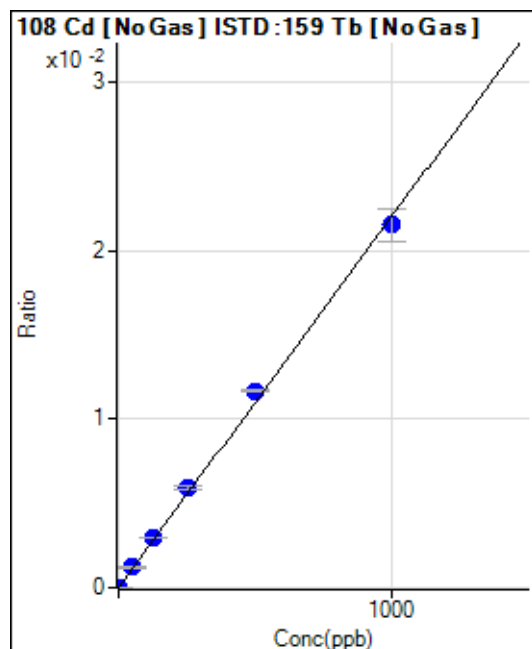
$$y = 0.0015 * x + 1.8023\text{E-}005$$

$$R = 0.9992$$

$$DL = 0.02672$$

Weight: <None>

Min Conc: 0



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	0.00	0.0000	P	
2	☐	0.100					
3	☐	1.000	1.056	75.00	0.0000	P	22.1
4	☐	50.000	55.308	3900.65	0.0012	P	5.8
5	☐	125.000	134.128	9671.75	0.0029	P	1.1
6	☐	250.000	270.103	19093.01	0.0059	P	2.6
7	☐	500.000	530.109	37868.60	0.0117	P	1.1
8	☐	1000.000	978.514	74772.73	0.0215	P	9.0
9	☐			16.67	0.0000	P	66.1

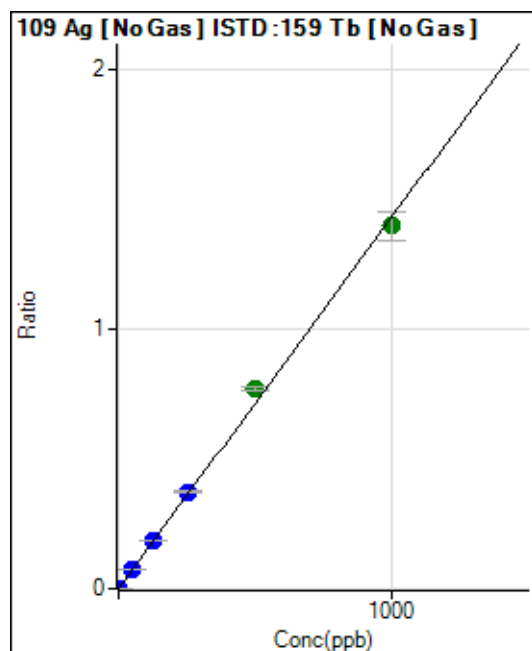
$$y = 2.1986\text{E-}005 * x + 0.0000\text{E}+000$$

$$R = 0.9991$$

$$DL = 0$$

Weight: <None>

Min Conc: 0



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	58.34	0.0000	P	56.5
2	☐	0.100					
3	☐	1.000	1.008	4717.72	0.0015	P	6.4
4	☐	50.000	53.285	244650.16	0.0763	P	2.8
5	☐	125.000	130.172	610953.19	0.1863	P	1.4
6	☐	250.000	259.643	1194702.45	0.3716	P	1.9
7	☐	500.000	538.485	2503740.81	0.7706	A	1.4
8	☐	1000.000	977.536	4864268.99	1.3988	A	8.1
9	☐			655.60	0.0002	P	11.6

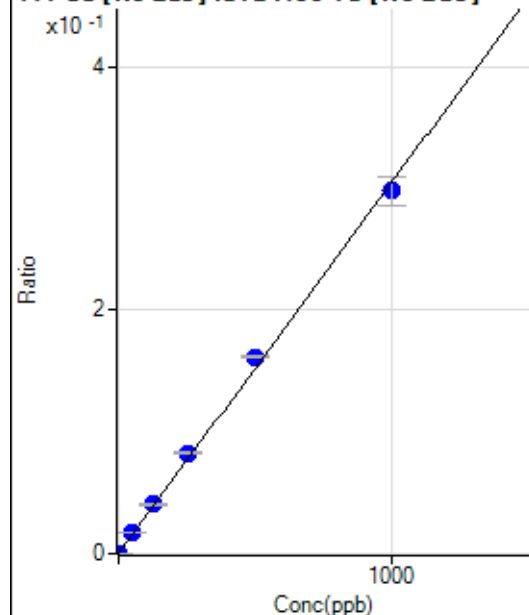
$$y = 0.0014 * x + 1.8026\text{E-}005$$

$$R = 0.9988$$

$$DL = 0.02134$$

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	606.44	0.0002	P	17.5
2	☐	0.100					
3	☐	1.000	0.972	1564.55	0.0005	P	2.6
4	☐	50.000	55.040	54369.86	0.0169	P	2.0
5	☐	125.000	132.509	132934.44	0.0405	P	1.4
6	☐	250.000	270.058	264991.36	0.0824	P	1.9
7	☐	500.000	531.117	526048.31	0.1619	P	1.0
8	☐	1000.000	978.236	1036433.53	0.2980	P	8.0
9	☐			569.48	0.0002	P	6.7

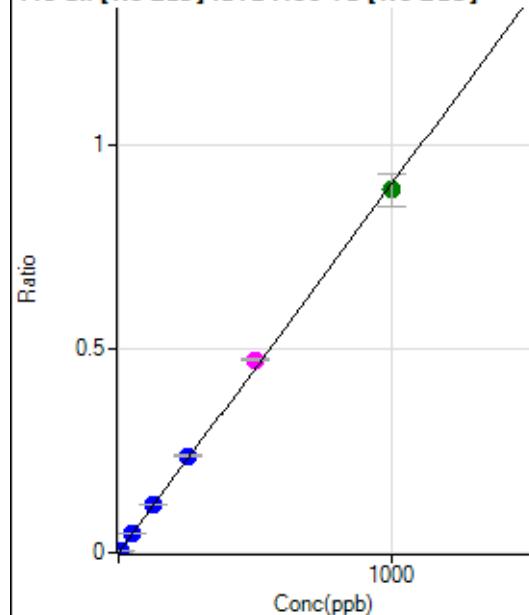
$$y = 3.0447\text{E-}004 * x + 1.8800\text{E-}004$$

$$R = 0.9990$$

$$DL = 0.3233$$

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	252.79	0.0001	P	31.6
2	☐	0.500					
3	☐	5.000	4.827	14377.80	0.0044	P	1.9
4	☐	50.000	52.984	154084.69	0.0480	P	3.9
5	☐	125.000	129.474	384638.43	0.1173	P	1.4
6	☐	250.000	261.302	760812.75	0.2366	P	2.1
7	☐	500.000	523.294	1539491.95	0.4738	M	0.6
8	☐	1000.000	984.820	3098667.19	0.8916	A	9.1
9	☐			2522.57	0.0008	P	5.7

$$y = 9.0524\text{E-}004 * x + 7.8442\text{E-}005$$

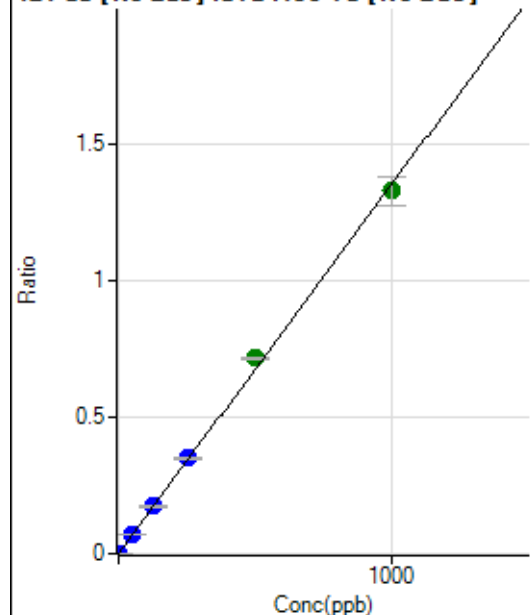
$$R = 0.9995$$

$$DL = 0.0821$$

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	25.00	0.0000	P	34.4
2	☐	0.200					
3	☐	2.000	1.878	8244.56	0.0026	P	2.0
4	☐	50.000	51.670	224378.71	0.0700	P	3.8
5	☐	125.000	127.742	567200.43	0.1729	P	1.3
6	☐	250.000	258.877	1126966.32	0.3505	P	1.5
7	☐	500.000	528.890	2326474.27	0.7160	A	1.4
8	☐	1000.000	982.910	4626826.23	1.3307	A	8.3
9	☐			4803.86	0.0016	P	2.3

$$y = 0.0014 * x + 7.7728E-006$$

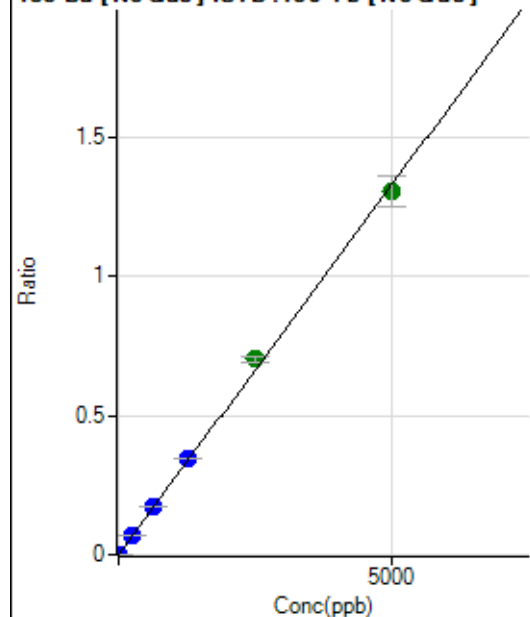
$$R = 0.9993$$

$$DL = 0.005917$$

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	1.2
2	☐	1.000					
3	☐	10.000	9.456	8139.02	0.0025	P	6.6
4	☐	250.000	262.388	223638.77	0.0697	P	2.2
5	☐	625.000	644.540	561565.46	0.1712	P	1.1
6	☐	1250.000	1296.135	1107213.29	0.3443	P	1.0
7	☐	2500.000	2650.700	2287682.15	0.7041	A	2.8
8	☐	5000.000	4910.056	4535094.80	1.3043	A	8.5
9	☐			516.70	0.0002	P	13.4

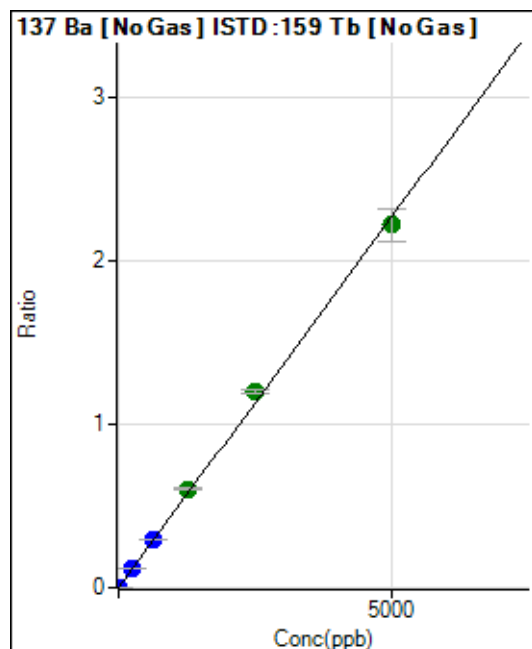
$$y = 2.6564E-004 * x + 7.7561E-006$$

$$R = 0.9993$$

$$DL = 0.001026$$

Weight: <None>

Min Conc: 0



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	22.22	0.0000	P	77.5
2	☐	1.000					
3	☐	10.000	10.112	14847.83	0.0046	P	3.2
4	☐	250.000	265.197	386057.05	0.1203	P	2.4
5	☐	625.000	651.269	969168.45	0.2955	P	1.5
6	☐	1250.000	1334.258	1946637.15	0.6054	A	2.1
7	☐	2500.000	2653.031	3911182.81	1.2038	A	2.1
8	☐	5000.000	4898.377	7725601.04	2.2226	A	8.9
9	☐			788.95	0.0003	P	11.0

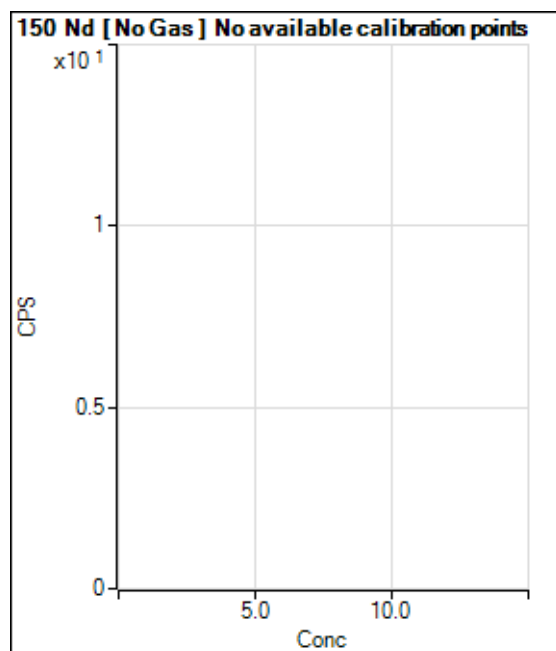
$$y = 4.5374\text{E-}004 * x + 6.8633\text{E-}006$$

$$R = 0.9991$$

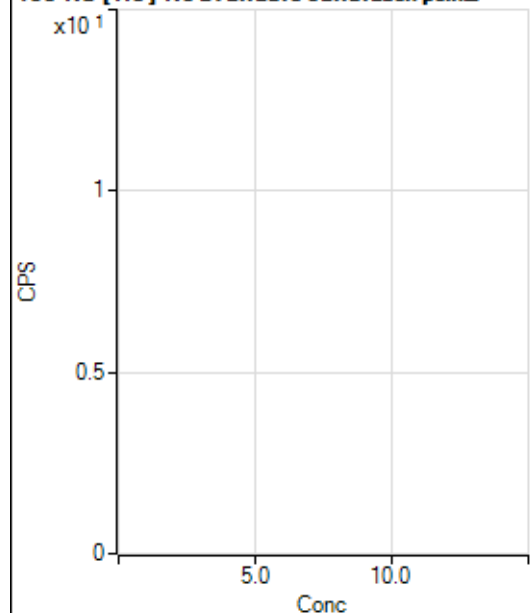
$$DL = 0.03516$$

Weight: <None>

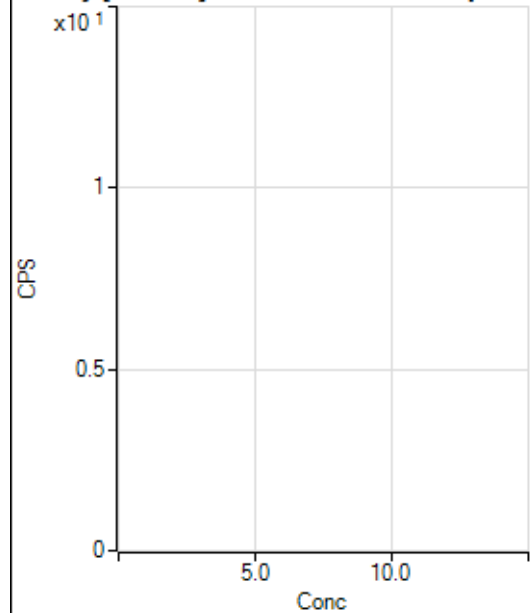
Min Conc: 0



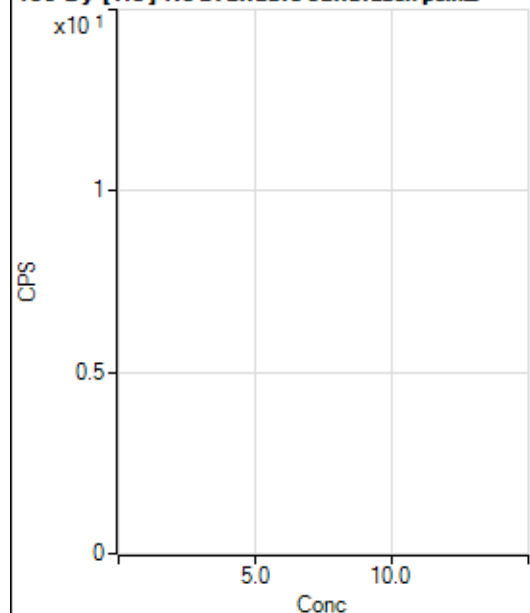
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			6.67		P	100.0
2	☐						
3	☐			8.89		P	43.3
4	☐			28.89		P	13.3
5	☐			35.56		P	28.6
6	☐			57.78		P	29.0
7	☐			88.89		P	4.3
8	☐			157.79		P	42.3
9	☐			68.89		P	39.1

150 Nd [He] No available calibration points

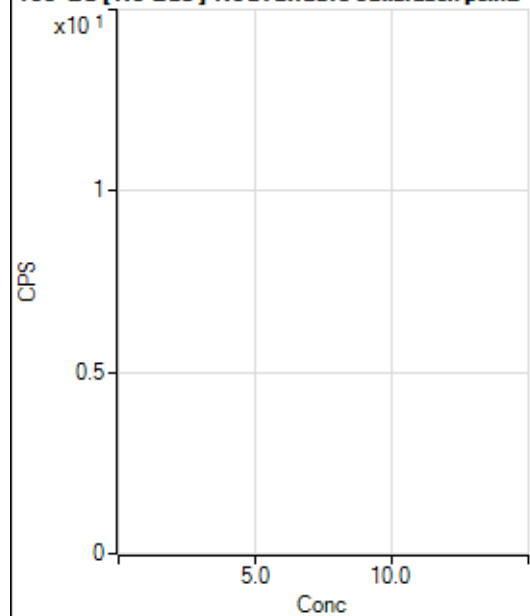
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			0.00		P	
2	☐						
3	☐			1.11		P	173.2
4	☐			0.00		P	
5	☐			0.00		P	
6	☐			7.78		P	65.5
7	☐			5.55		P	124.9
8	☐			10.00		P	57.8
9	☐			10.00		P	88.2

156 Dy [No Gas] No available calibration points

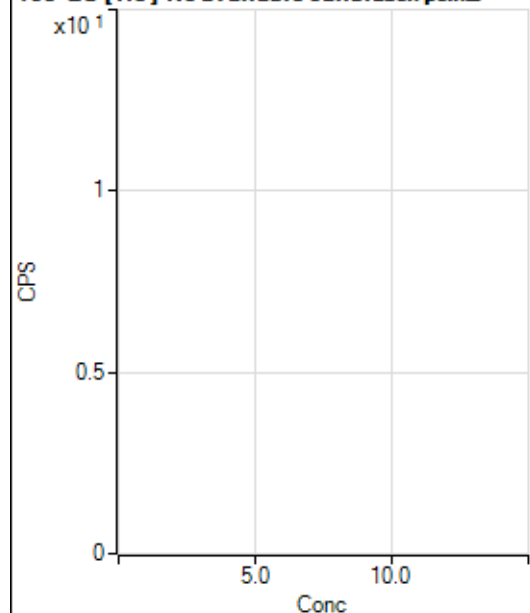
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			8.33		P	100.0
2	☐						
3	☐			16.67		P	100.0
4	☐			13.89		P	91.6
5	☐			13.89		P	69.3
6	☐			25.00		P	66.7
7	☐			75.01		P	29.4
8	☐			61.11		P	67.3
9	☐			55.56		P	8.7

156 Dy [He] No available calibration points

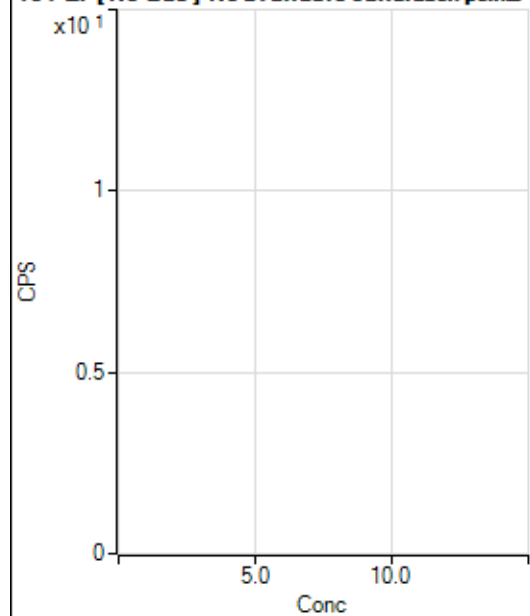
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			0.00		P	
2	☐						
3	☐			2.22		P	86.6
4	☐			0.00		P	
5	☐			1.11		P	173.2
6	☐			1.11		P	173.2
7	☐			6.67		P	50.0
8	☐			3.33		P	173.2
9	☐			8.89		P	43.3

160 Gd [No Gas] Noavailable calibration poin_

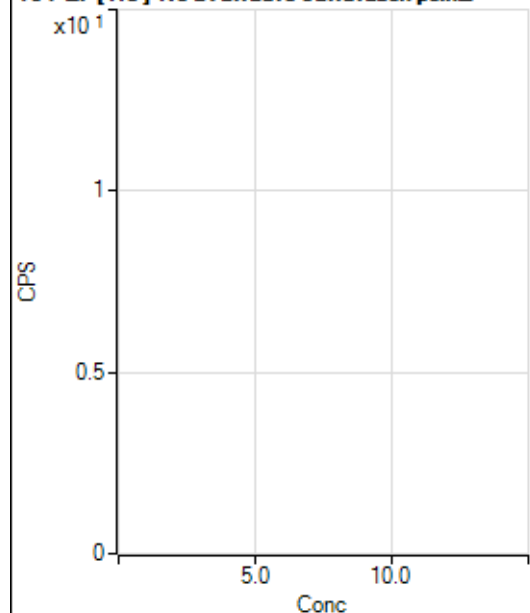
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			25.00		P	88.2
2	☐						
3	☐			19.44		P	89.2
4	☐			27.78		P	121.3
5	☐			30.55		P	15.7
6	☐			38.89		P	44.6
7	☐			38.89		P	53.9
8	☐			30.56		P	41.7
9	☐			41.67		P	52.9

160 Gd [He] No available calibration points

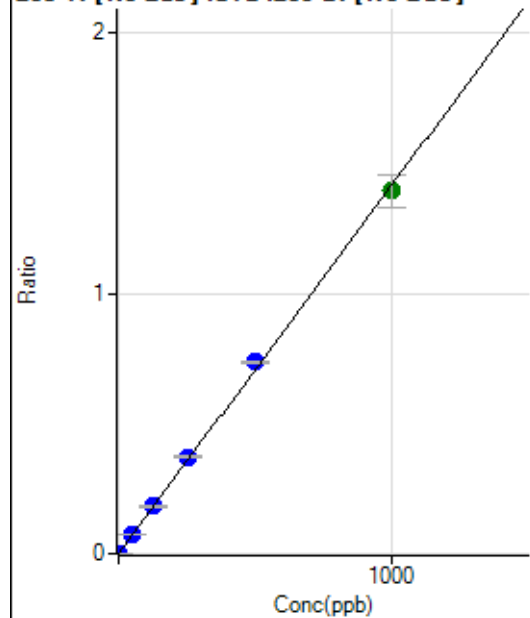
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			2.22		P	173.2
2	☐						
3	☐			10.00		P	66.7
4	☐			6.66		P	86.6
5	☐			6.67		P	0.0
6	☐			6.67		P	50.0
7	☐			15.55		P	68.9
8	☐			5.55		P	69.3
9	☐			18.89		P	53.9

164 Er [No Gas] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			19.44		P	99.0
2	☐						
3	☐			8.33		P	100.0
4	☐			25.00		P	88.2
5	☐			19.44		P	49.5
6	☐			16.67		P	50.0
7	☐			19.44		P	65.5
8	☐			13.89		P	34.7
9	☐			25.00		P	66.7

164 Er [He] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			4.44		P	114.6
2	☐						
3	☐			2.22		P	86.6
4	☐			3.33		P	173.2
5	☐			4.44		P	114.6
6	☐			6.67		P	100.0
7	☐			5.56		P	34.7
8	☐			17.78		P	10.8
9	☐			0.00		P	

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	38.89	0.0000	P	31.9
2	☐	0.100					
3	☐	1.000	0.979	2478.12	0.0014	P	8.1
4	☐	50.000	51.543	126381.23	0.0730	P	3.3
5	☐	125.000	128.021	315889.48	0.1812	P	2.6
6	☐	250.000	262.465	627794.75	0.3714	P	1.1
7	☐	500.000	521.673	1263685.29	0.7382	P	1.1
8	☐	1000.000	985.592	2555161.40	1.3946	A	8.8
9	☐			361.13	0.0002	P	11.5

$$y = 0.0014 * x + 2.2371E-005$$

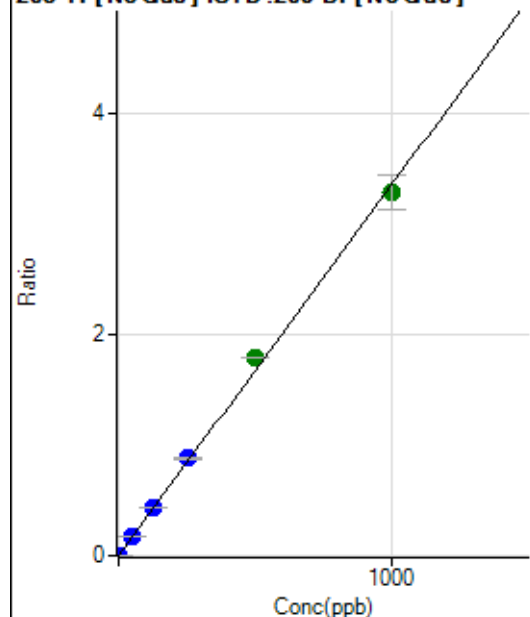
$$R = 0.9996$$

$$DL = 0.01512$$

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	69.45	0.0000	P	30.9
2	☐	0.100					
3	☐	1.000	0.915	5468.13	0.0031	P	1.6
4	☐	50.000	51.844	300999.32	0.1737	P	2.5
5	☐	125.000	130.048	759828.11	0.4357	P	2.5
6	☐	250.000	263.071	1489771.78	0.8814	P	1.8
7	☐	500.000	534.338	3064897.29	1.7902	A	0.3
8	☐	1000.000	978.840	6005868.06	3.2794	A	9.6
9	☐			875.07	0.0006	P	6.2

$$y = 0.0034 * x + 4.0082E-005$$

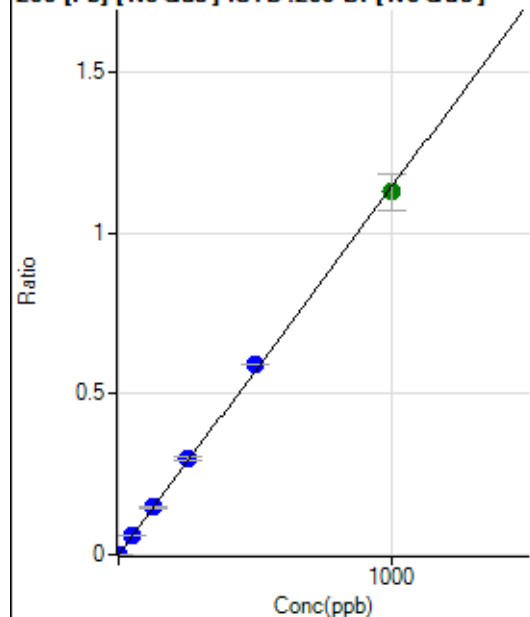
$$R = 0.9990$$

$$DL = 0.0111$$

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	127.78	0.0001	P	19.8
2	☐	0.100					
3	☐	1.000	0.904	1950.22	0.0011	P	5.2
4	☐	50.000	51.392	101939.90	0.0588	P	2.2
5	☐	125.000	129.145	257647.53	0.1477	P	1.7
6	☐	250.000	261.175	504819.13	0.2987	P	2.4
7	☐	500.000	518.525	1015134.07	0.5929	P	0.5
8	☐	1000.000	987.356	2067331.25	1.1290	A	9.8
9	☐			3081.95	0.0021	P	3.6

$$y = 0.0011 * x + 7.3752E-005$$

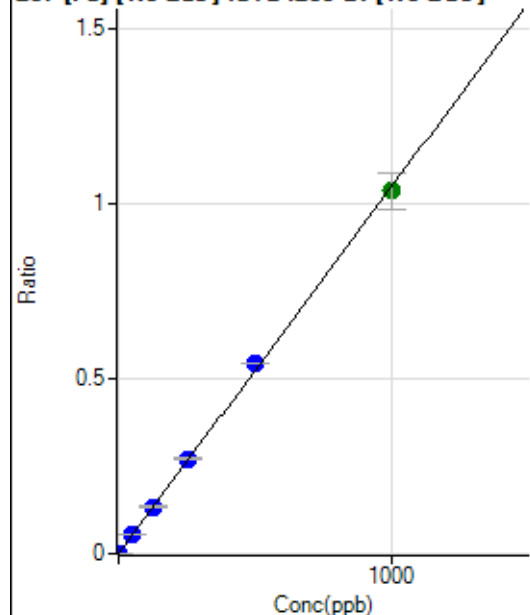
$$R = 0.9997$$

$$DL = 0.0383$$

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	124.08	0.0001	P	2.8
2	☐	0.100					
3	☐	1.000	0.939	1857.61	0.0011	P	4.6
4	☐	50.000	50.727	92249.88	0.0532	P	2.4
5	☐	125.000	127.570	233261.48	0.1338	P	3.1
6	☐	250.000	258.470	457999.90	0.2710	P	2.3
7	☐	500.000	517.549	928864.18	0.5425	P	0.4
8	☐	1000.000	988.751	1897819.30	1.0364	A	9.9
9	☐			2639.25	0.0018	P	3.3

$$y = 0.0010 * x + 7.1530E-005$$

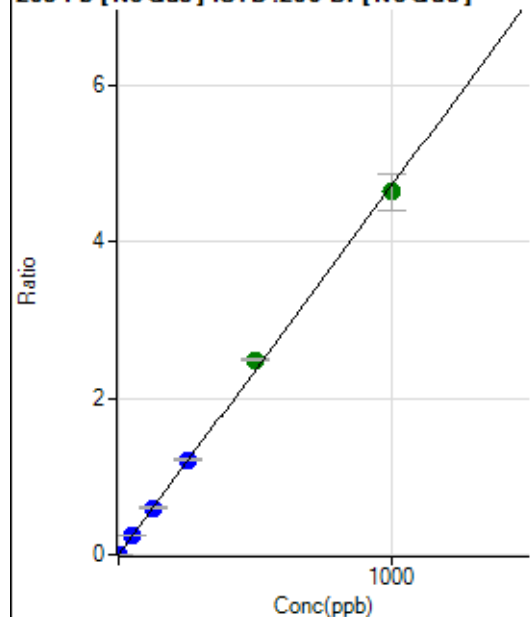
$$R = 0.9997$$

$$DL = 0.005717$$

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	512.99	0.0003	P	1.7
2	☐	0.100					
3	☐	1.000	0.902	7999.40	0.0045	P	1.5
4	☐	50.000	50.880	415520.89	0.2398	P	2.5
5	☐	125.000	127.092	1043853.35	0.5986	P	2.2
6	☐	250.000	257.413	2048580.77	1.2121	P	2.4
7	☐	500.000	528.331	4258550.64	2.4875	A	1.2
8	☐	1000.000	983.676	8480028.02	4.6312	A	9.8
9	☐			11926.63	0.0081	P	4.0

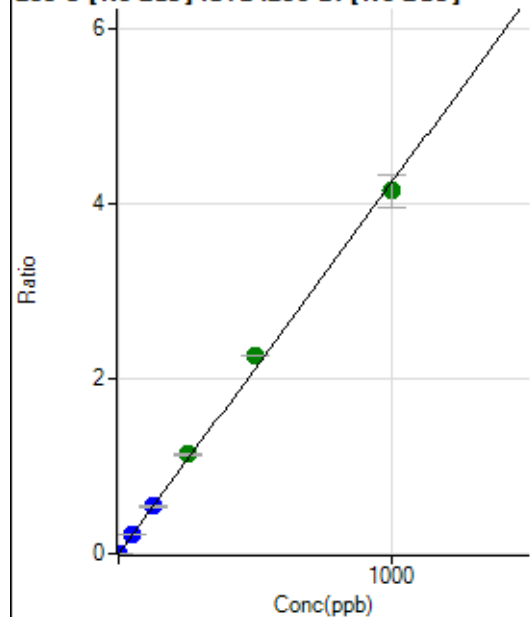
$$y = 0.0047 * x + 2.9568E-004$$

$$R = 0.9994$$

$$DL = 0.003142$$

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	91.0
2	☐	0.100					
3	☐	1.000	0.948	7105.16	0.0040	P	0.8
4	☐	50.000	50.871	373599.94	0.2156	P	3.1
5	☐	125.000	127.824	944840.27	0.5418	P	2.3
6	☐	250.000	267.331	1915164.54	1.1332	A	2.2
7	☐	500.000	533.474	3871324.78	2.2613	A	0.4
8	☐	1000.000	978.534	7598090.18	4.1478	A	9.1
9	☐			166.67	0.0001	P	16.4

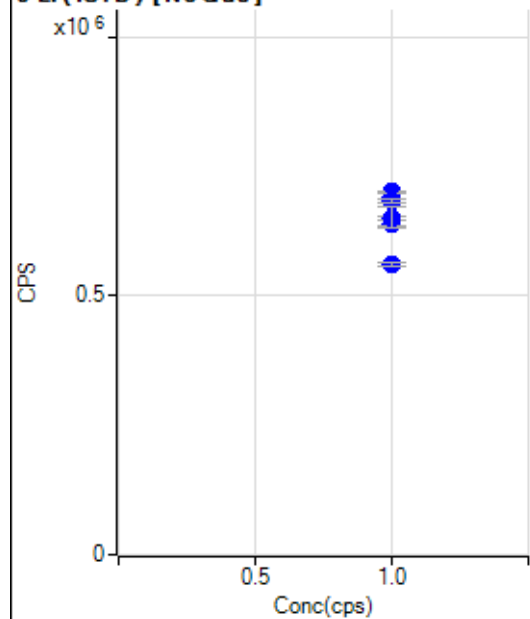
$$y = 0.0042 * x + 1.9295E-005$$

$$R = 0.9990$$

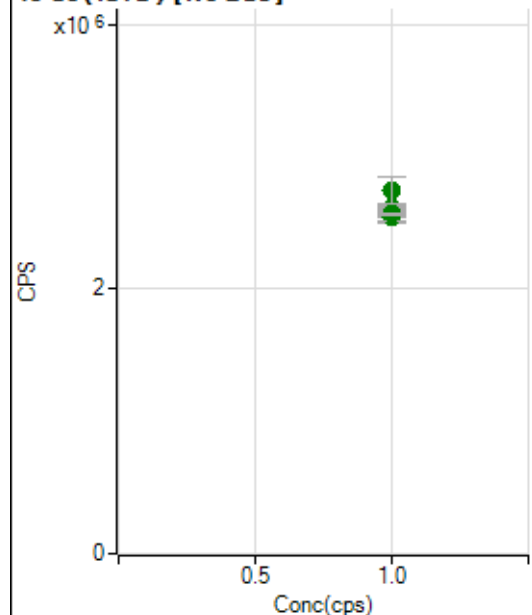
$$DL = 0.01243$$

Weight: <None>

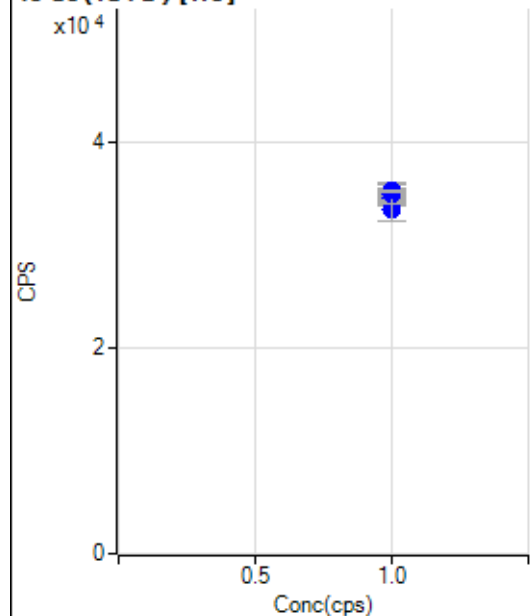
Min Conc: 0

6 Li (ISTD) [No Gas]

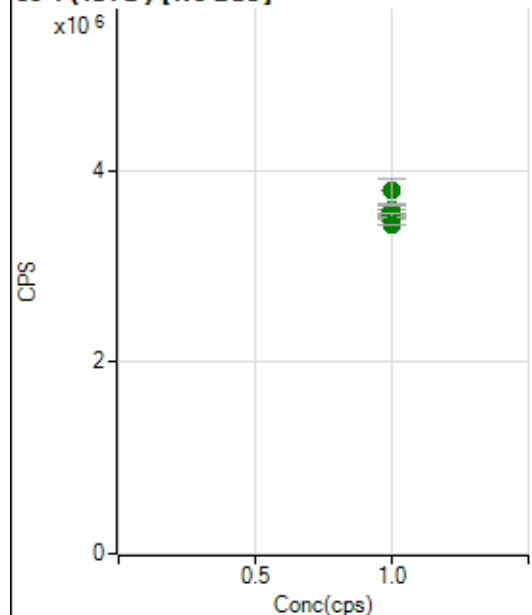
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		700760.23		P	0.6
2	☐	1.000					
3	☐	1.000		700388.35		P	0.9
4	☐	1.000		691162.00		P	1.7
5	☐	1.000		684378.21		P	1.2
6	☐	1.000		650143.51		P	1.6
7	☐	1.000		640451.97		P	1.5
8	☐	1.000		650810.68		P	6.5
9	☐	1.000		560553.61		P	1.3

45 Sc (ISTD) [No Gas]

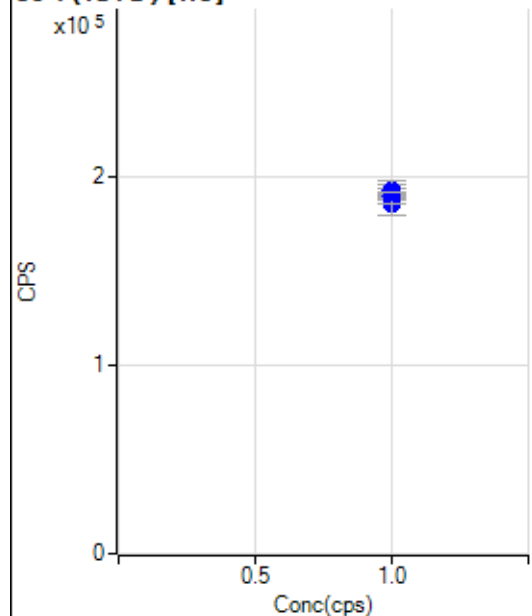
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		2614457.33		A	1.1
2	☐	1.000					
3	☐	1.000		2617233.98		A	0.4
4	☐	1.000		2569526.32		A	2.0
5	☐	1.000		2577761.63		A	2.0
6	☐	1.000		2542066.66		A	3.1
7	☐	1.000		2546118.00		A	2.3
8	☐	1.000		2740074.30		A	7.3
9	☐	1.000		2563580.50		A	1.0

45 Sc (ISTD) [He]

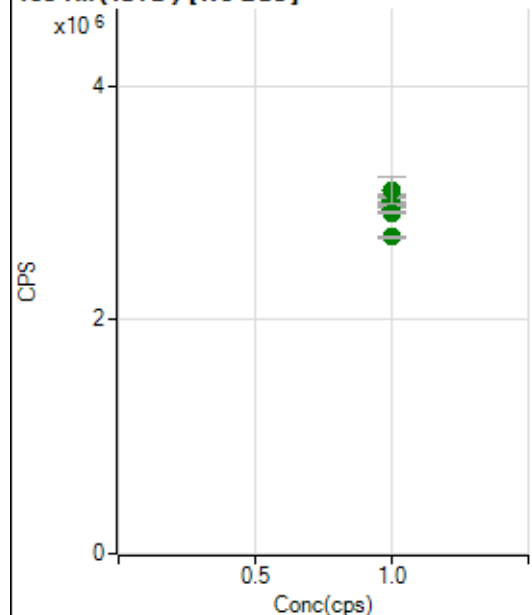
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		34638.29		P	1.6
2	☐	1.000					
3	☐	1.000		35029.33		P	3.1
4	☐	1.000		34272.16		P	2.2
5	☐	1.000		34607.27		P	0.8
6	☐	1.000		33420.03		P	6.2
7	☐	1.000		35116.34		P	5.5
8	☐	1.000		34937.10		P	5.3
9	☐	1.000		35288.92		P	0.6

89 Y (ISTD) [No Gas]

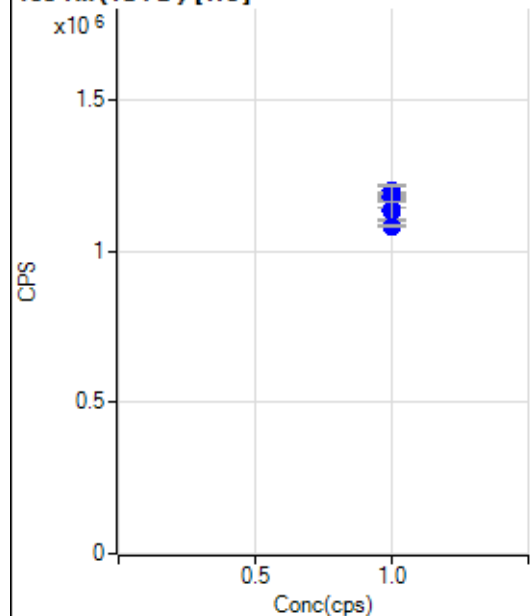
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		3534726.69		A	0.7
2	☐	1.000					
3	☐	1.000		3570918.14		A	1.2
4	☐	1.000		3537035.50		A	2.7
5	☐	1.000		3586112.87		A	2.0
6	☐	1.000		3471537.27		A	2.3
7	☐	1.000		3531278.94		A	1.0
8	☐	1.000		3784763.55		A	7.1
9	☐	1.000		3429297.66		A	0.4

89 Y (ISTD) [He]

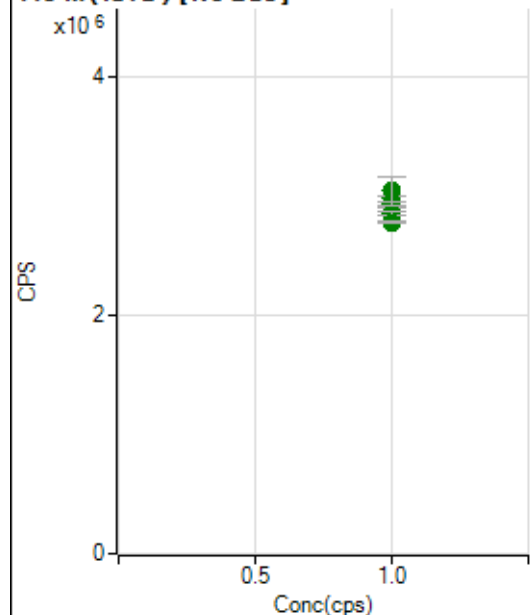
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		191428.00		P	0.7
2	☐	1.000					
3	☐	1.000		192296.87		P	3.3
4	☐	1.000		190830.05		P	1.0
5	☐	1.000		191189.80		P	0.7
6	☐	1.000		185441.74		P	6.2
7	☐	1.000		192552.48		P	5.4
8	☐	1.000		189660.80		P	4.4
9	☐	1.000		191927.08		P	0.4

103 Rh (ISTD) [No Gas]

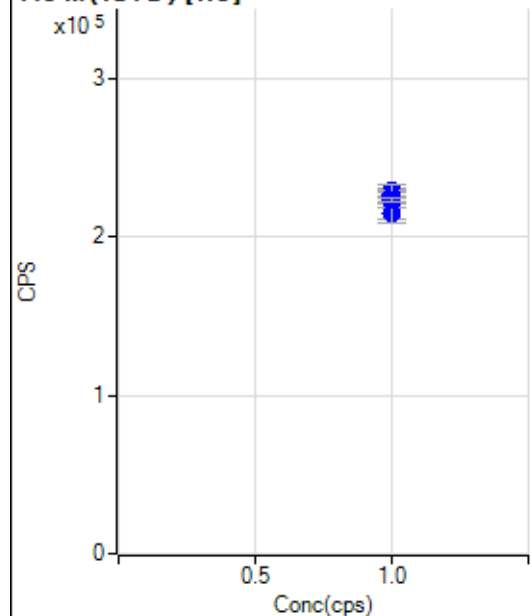
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		3056073.70		A	1.1
2	☐	1.000					
3	☐	1.000		3032130.69		A	1.9
4	☐	1.000		2996391.54		A	2.5
5	☐	1.000		3013108.05		A	1.5
6	☐	1.000		2938754.10		A	2.2
7	☐	1.000		2918054.84		A	0.9
8	☐	1.000		3101783.81		A	7.3
9	☐	1.000		2708847.96		A	0.7

103 Rh (ISTD) [He]

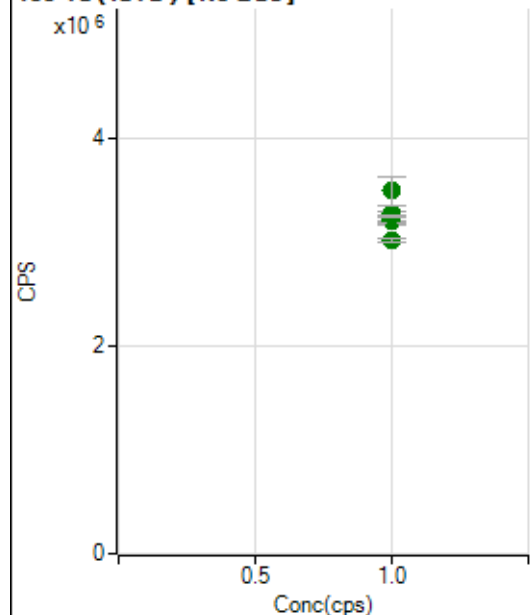
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		1196926.34		P	0.3
2	☐	1.000					
3	☐	1.000		1199966.35		P	3.3
4	☐	1.000		1183134.27		P	1.0
5	☐	1.000		1180360.93		P	1.3
6	☐	1.000		1130994.01		P	5.7
7	☐	1.000		1179515.67		P	5.9
8	☐	1.000		1136444.38		P	5.3
9	☐	1.000		1083561.89		P	0.6

115 In (ISTD) [No Gas]

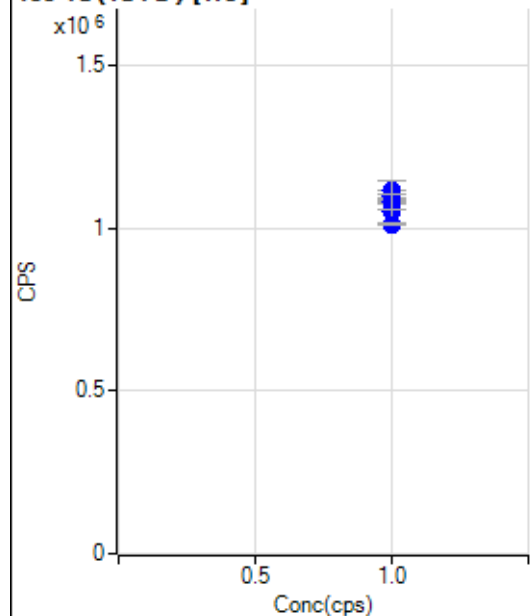
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		2911989.83		A	0.6
2	☐	1.000					
3	☐	1.000		2981320.24		A	1.8
4	☐	1.000		2926011.22		A	1.7
5	☐	1.000		2939257.64		A	1.1
6	☐	1.000		2873401.14		A	2.5
7	☐	1.000		2862244.66		A	1.2
8	☐	1.000		3047246.35		A	8.0
9	☐	1.000		2781851.69		A	0.7

115 In (ISTD) [He]

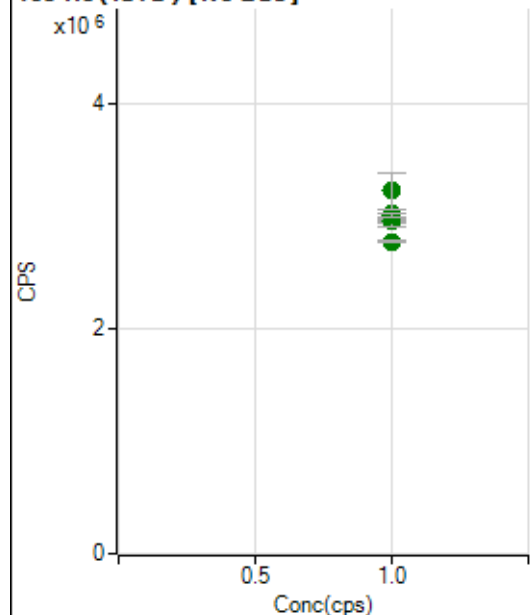
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		229144.24		P	1.1
2	☐	1.000					
3	☐	1.000		229247.47		P	3.4
4	☐	1.000		227760.65		P	1.4
5	☐	1.000		229085.65		P	0.5
6	☐	1.000		218343.54		P	6.6
7	☐	1.000		225873.03		P	6.4
8	☐	1.000		214831.39		P	5.4
9	☐	1.000		223598.31		P	1.5

159 Tb (ISTD) [No Gas]

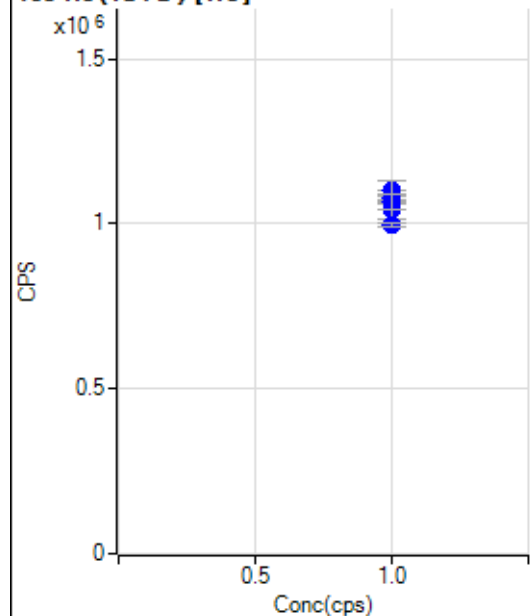
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		3223546.48		A	1.2
2	☐	1.000					
3	☐	1.000		3232525.79		A	1.8
4	☐	1.000		3209298.28		A	2.5
5	☐	1.000		3279935.54		A	1.1
6	☐	1.000		3215958.88		A	1.4
7	☐	1.000		3249390.23		A	0.9
8	☐	1.000		3492831.30		A	8.2
9	☐	1.000		3019527.28		A	1.0

159 Tb (ISTD) [He]

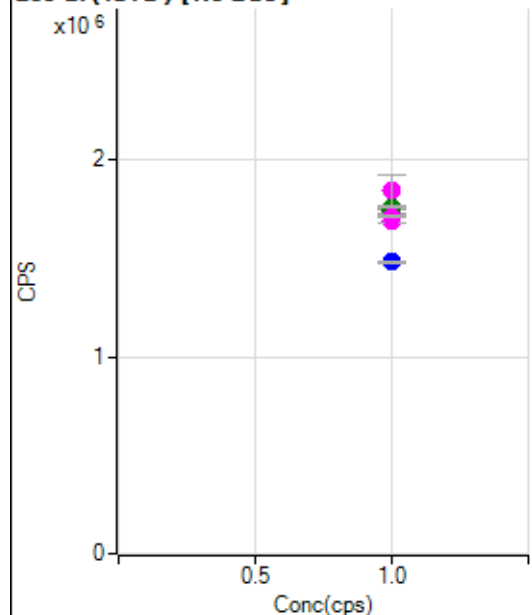
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		1087961.42		P	1.1
2	☐	1.000					
3	☐	1.000		1099963.90		P	3.3
4	☐	1.000		1084704.63		P	1.3
5	☐	1.000		1100248.18		P	1.0
6	☐	1.000		1051796.58		P	6.4
7	☐	1.000		1115812.29		P	6.2
8	☐	1.000		1082110.05		P	4.8
9	☐	1.000		1013505.81		P	1.0

165 Ho (ISTD) [No Gas]

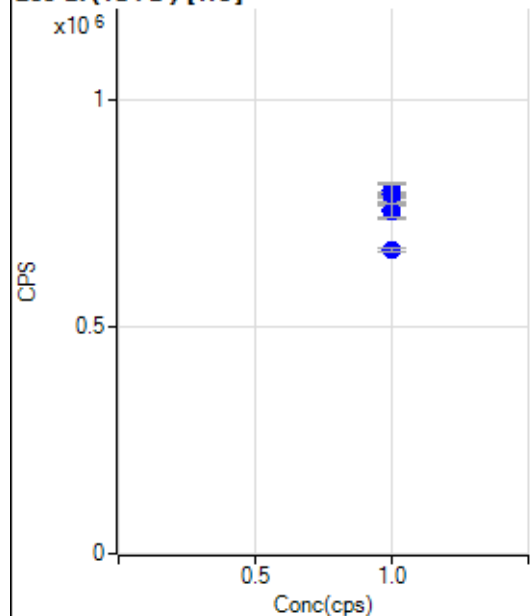
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		2961198.18		A	1.0
2	☐	1.000					
3	☐	1.000		2978514.43		A	1.5
4	☐	1.000		2955301.15		A	2.5
5	☐	1.000		3023579.34		A	3.1
6	☐	1.000		2970014.87		A	3.8
7	☐	1.000		3012393.77		A	0.9
8	☐	1.000		3231333.60		A	9.8
9	☐	1.000		2780743.66		A	0.8

165 Ho (ISTD) [He]

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		1063417.48		P	0.4
2	☐	1.000					
3	☐	1.000		1083408.33		P	3.7
4	☐	1.000		1075199.81		P	1.2
5	☐	1.000		1079782.58		P	1.8
6	☐	1.000		1042992.45		P	5.4
7	☐	1.000		1099567.19		P	5.9
8	☐	1.000		1067022.62		P	4.6
9	☐	1.000		998340.56		P	1.3

209 Bi (ISTD) [No Gas]

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		1734787.16		A	1.0
2	☐	1.000					
3	☐	1.000		1760657.87		A	0.9
4	☐	1.000		1733194.47		A	2.1
5	☐	1.000		1744434.68		A	2.5
6	☐	1.000		1690571.16		M	1.9
7	☐	1.000		1712039.28		M	0.7
8	☐	1.000		1841936.17		M	9.0
9	☐	1.000		1480456.43		P	1.0

209 Bi (ISTD) [He]

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		790713.58		P	1.2
2	☐	1.000					
3	☐	1.000		800982.87		P	3.3
4	☐	1.000		789918.80		P	1.6
5	☐	1.000		794778.37		P	1.1
6	☐	1.000		758310.60		P	5.3
7	☐	1.000		795275.33		P	6.5
8	☐	1.000		757497.89		P	4.1
9	☐	1.000		669844.90		P	1.1

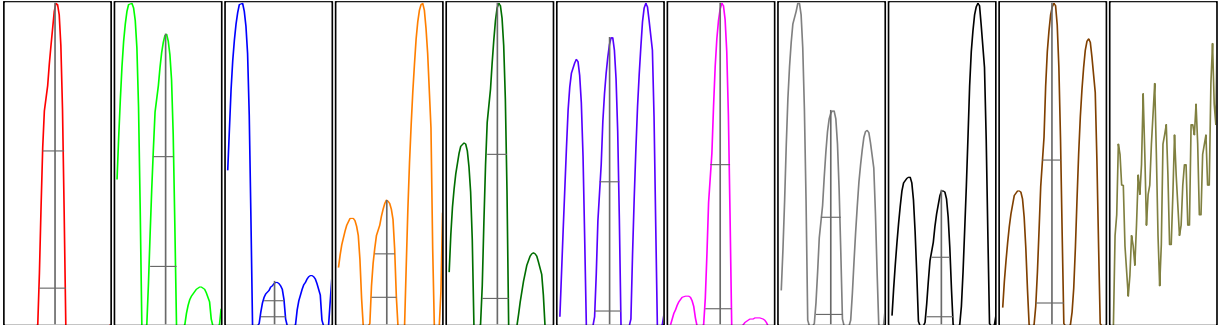
US EPA Tune Check Sample Report

Batch Folder D:\P8012119MS.b
Report Comment
Instrument Name G8403A JP17141814

[No Gas]				
Mass	Count (Mean)	RSD% (Actual)	RSD% (Required)	RSD% (Flag)
9	4469	0.55	5.00	
24	43628	0.36	5.00	
25	6054	0.64	5.00	
26	7538	0.66	5.00	
59	36482	0.53	5.00	
113	3951	0.82	5.00	
115	47336	1.23	5.00	
206	7729	0.67	5.00	
207	7131	0.90	5.00	
208	16804	0.87	5.00	
220	1	19.80		

Mass	Replicate 1 Count	Replicate 2 Count	Replicate 3 Count	Replicate 4 Count	Replicate 5 Count
9	4451	4444	4508	4469	4473
24	43771	43361	43672	43641	43692
25	6050	5996	6096	6082	6044
26	7566	7452	7541	7554	7576
59	36419	36168	36616	36592	36614
113	3989	3909	3979	3941	3939
115	48331	46806	47288	47140	47117
206	7764	7646	7747	7714	7774
207	7098	7045	7176	7129	7209
208	16798	16555	16905	16850	16910
220	1	1	1	2	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	8196	8.95	8.9 - 9.1		0.748	0.900	
24	76949	23.95	23.9 - 24.1		0.753	0.900	
25	10292	24.90	24.9 - 25.1		0.713	0.900	
26	11999	25.95	25.9 - 26.1		0.717	0.900	
59	66427	58.95	58.9 - 59.1		0.756	0.900	
113	7586	113.00	112.9 - 113.1		0.737	0.900	
115	90948	115.00	114.9 - 115.1		0.763	0.900	
206	14571	206.00	205.9 - 206.1		0.772	0.900	
207	13231	207.00	206.9 - 207.1		0.776	0.900	
208	31509	208.00	207.9 - 208.1		0.785	0.900	
220			-				

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	10.1	V	Deflect	15.6	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	6629	0.99	
89	4107	0.81	
205	6139	0.99	

Mass	Replicate 1 Count	Replicate 2 Count	Replicate 3 Count	Replicate 4 Count	Replicate 5 Count
59	6666	6690	6670	6536	6585
89	4161	4109	4107	4076	4082
205	6158	6164	6214	6103	6057

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	10.1	V	Deflect	3.8	V
Extract 2	-250.0	V	Cell Entrance	-40	V	Plate Bias	-60	V
Omega Bias	-120	V	Cell Exit	-60	V			

Cell Parameters

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

LB Number : LB100421 Operator : Jaswal
 Lab Sample ID : S0 Instrumnet Name : P8
 Client Sample ID : S0 Dilution Factor : 1
 Date & Time Acquired :: 2019-01-21 12:43:37 DataFile Name : 003CALB.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	-0.09	1.33	-1.24	0.00	N/A	ppb
Antimony	121-1	0.00	0.00	0.00	0.00	N/A	ppb
Arsenic	75-2	-0.07	-0.04	0.11	0.00	N/A	ppb
Barium	135-1	0.00	0.00	0.00	0.00	N/A	ppb
Barium	137-1	-0.01	0.00	0.01	0.00	N/A	ppb
Beryllium	9-1	0.01	-0.01	0.00	0.00	N/A	ppb
Bismuth	209-1				100		%
Bismuth	209-2				100		%
Boron	10-1	-0.08	-0.03	0.12	0.00	N/A	ppb
Boron	11-1	-0.04	-0.05	0.08	0.00	N/A	ppb
Cadmium	111-1	-0.07	0.12	-0.05	0.00	N/A	ppb
Cadmium	106-1	-1.05	1.68	-0.63	0.00	N/A	ppb
Cadmium	108-1	0.00	0.00	0.00	0.00	N/A	ppb
Calcium	43-1	-0.40	-1.65	2.05	0.00	N/A	ppb
Calcium	44-1	1.52	-1.81	0.29	0.00	N/A	ppb
Chromium	52-2	0.02	-0.03	0.01	0.00	N/A	ppb
Cobalt	59-2	-0.02	0.03	-0.01	0.00	N/A	ppb
Copper	63-2	0.01	-0.02	0.02	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	-0.12	-0.03	0.15	0.00	N/A	ppb
Iron	57-2	0.62	0.14	-0.77	0.00	N/A	ppb
Krypton	83-1						cps
Lead	206-1	0.01	-0.01	0.01	0.00	N/A	ppb
Lead	207-1	0.00	0.00	0.00	0.00	N/A	ppb
Lead	208-1	0.00	0.00	0.00	0.00	N/A	ppb
Lithium	6-1				100		%
Magnesium	24-2	-1.63	0.28	1.35	0.00	N/A	ppb

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	S0	Instrumnet Name :	P8
Client Sample ID :	S0	Dilution Factor :	1
Date & Time Acquired ::	2019-01-21 12:43:37	DataFile Name :	003CALB.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	0.10	0.02	-0.12	0.00	N/A	ppb
Molybdenum	94-1	-0.04	0.03	0.02	0.00	N/A	ppb
Molybdenum	95-1	0.01	0.00	0.00	0.00	N/A	ppb
Molybdenum	96-1	0.00	-0.01	0.01	0.00	N/A	ppb
Molybdenum	97-1	-0.01	0.01	0.00	0.00	N/A	ppb
Molybdenum	98-1	0.00	0.00	0.00	0.00	N/A	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.03	0.00	-0.03	0.00	N/A	ppb
Phosphorus	31-2	-34.70	2.03	-9.41	-14.03		ppb
Potassium	39-2	11.67	-17.39	5.72	0.00	N/A	ppb
Rhodium	103-1				100		%
Rhodium	103-2				100		%
Scandium	45-1				100		%
Scandium	45-2				100		%
Selenium	77-2	2.48	-1.24	-1.24	0.00	N/A	ppb
Selenium	78-2	0.62	-0.62	0.00	0.00	N/A	ppb
Selenium	82-1	0.07	0.70	-0.76	0.00	N/A	ppb
Silicon	28-1	1.89	-2.18	0.29	0.00	N/A	ppb
Silver	109-1	-0.01	0.00	0.01	0.00	N/A	ppb
Silver	107-1	-0.01	0.00	0.01	0.00	N/A	ppb
Sodium	23-2	-1.65	-1.99	3.65	0.00	N/A	ppb
Strontium	86-1	0.16	-0.11	-0.05	0.00	N/A	ppb
Strontium	88-1	0.00	0.00	0.00	0.00	N/A	ppb
Sulfur	34-1	289.80	-484.45	-81.18	-91.95		ppb
Terbium	159-1				100		%
Terbium	159-2				100		%
Thallium	203-1	-0.01	0.00	0.00	0.00	N/A	ppb
Thallium	205-1	0.00	0.00	0.00	0.00	N/A	ppb
Tin	118-1	0.01	-0.03	0.02	0.00	N/A	ppb
Titanium	47-1	0.03	-0.01	-0.03	0.00	N/A	ppb
Uranium	238-1	0.00	0.00	0.00	0.00	N/A	ppb
Vanadium	51-2	-0.01	0.01	0.00	0.00	N/A	ppb
Yttrium	89-1				100		%
Yttrium	89-2				100		%
Zinc	66-2	0.22	-0.11	-0.12	0.00	N/A	ppb

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	S0	Instrumnet Name :	P8
Client Sample ID :	S0	Dilution Factor :	1
Date & Time Acquired ::	2019-01-21 12:43:37	DataFile Name :	003CALB.d

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

LB Number : LB100421 Operator : Jaswal
 Lab Sample ID : S2 Instrumnet Name : P8
 Client Sample ID : S2 Dilution Factor : 1
 Date & Time Acquired :: 2019-01-21 12:51:11 DataFile Name : 005CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	17.68	12.85	17.78	16.10	17.50	ppb
Antimony	121-1	1.84	1.90	1.90	1.88	2.02	ppb
Arsenic	75-2	1.09	0.99	0.82	0.96	14.29	ppb
Barium	135-1	8.81	10.06	9.49	9.46	6.62	ppb
Barium	137-1	9.99	10.48	9.86	10.11	3.24	ppb
Beryllium	9-1	0.85	0.89	0.95	0.90	5.70	ppb
Bismuth	209-1				101		%
Bismuth	209-2				101		%
Boron	10-1	22.40	21.78	23.75	22.64	4.46	ppb
Boron	11-1	22.34	22.56	22.43	22.45	0.49	ppb
Cadmium	111-1	0.93	0.99	1.00	0.97	4.22	ppb
Cadmium	106-1	0.54	1.09	0.31	0.65	61.97	ppb
Cadmium	108-1	0.81	1.08	1.28	1.06	22.12	ppb
Calcium	43-1	458.22	481.23	485.46	474.97	3.09	ppb
Calcium	44-1	475.66	478.02	472.86	475.51	0.54	ppb
Chromium	52-2	1.88	1.35	1.92	1.72	18.42	ppb
Cobalt	59-2	0.91	0.83	0.93	0.89	5.97	ppb
Copper	63-2	1.88	1.80	2.03	1.90	6.06	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				102		%
Indium	115-2				100		%
Iron	56-2	53.93	48.92	51.00	51.29	4.91	ppb
Iron	57-2	55.94	47.85	51.30	51.70	7.86	ppb
Krypton	83-1						cps
Lead	206-1	0.96	0.88	0.87	0.90	5.53	ppb
Lead	207-1	0.96	0.97	0.89	0.94	4.95	ppb
Lead	208-1	0.92	0.90	0.89	0.90	1.63	ppb
Lithium	6-1				100		%
Magnesium	24-2	494.21	456.41	490.05	480.22	4.32	ppb

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	S2	Instrumnet Name :	P8
Client Sample ID :	S2	Dilution Factor :	1
Date & Time Acquired ::	2019-01-21 12:51:11	DataFile Name :	005CAL.S.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	1.23	0.94	1.01	1.06	14.47	ppb
Molybdenum	94-1	4.84	4.91	5.02	4.92	1.85	ppb
Molybdenum	95-1	4.80	4.90	4.85	4.85	1.12	ppb
Molybdenum	96-1	4.68	5.11	4.90	4.89	4.38	ppb
Molybdenum	97-1	4.79	4.84	4.72	4.78	1.20	ppb
Molybdenum	98-1	4.79	4.90	5.02	4.90	2.40	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.85	1.06	0.93	0.95	11.13	ppb
Phosphorus	31-2	-22.13	36.57	27.64	14.03	225.46	ppb
Potassium	39-2	463.27	427.91	435.43	442.20	4.21	ppb
Rhodium	103-1				99		%
Rhodium	103-2				100		%
Scandium	45-1				100		%
Scandium	45-2				101		%
Selenium	77-2	6.37	2.33	6.25	4.98	46.15	ppb
Selenium	78-2	7.62	4.14	3.74	5.17	41.29	ppb
Selenium	82-1	5.70	6.25	4.79	5.58	13.23	ppb
Silicon	28-1	7.32	7.60	7.96	7.63	4.22	ppb
Silver	109-1	1.03	1.06	0.93	1.01	6.46	ppb
Silver	107-1	0.99	1.01	0.97	0.99	2.27	ppb
Sodium	23-2	467.99	435.05	470.08	457.71	4.29	ppb
Strontium	86-1	0.86	0.85	0.92	0.88	4.29	ppb
Strontium	88-1	0.94	0.96	0.94	0.95	1.35	ppb
Sulfur	34-1	-58.04	336.39	-2.52	91.95	232.21	ppb
Terbium	159-1				100		%
Terbium	159-2				101		%
Thallium	203-1	1.06	0.90	0.97	0.98	8.23	ppb
Thallium	205-1	0.90	0.92	0.93	0.91	1.66	ppb
Tin	118-1	4.91	4.84	4.73	4.83	1.91	ppb
Titanium	47-1	4.87	4.72	5.14	4.91	4.36	ppb
Uranium	238-1	0.95	0.95	0.94	0.95	0.79	ppb
Vanadium	51-2	5.05	4.75	4.92	4.91	3.03	ppb
Yttrium	89-1				101		%
Yttrium	89-2				100		%
Zinc	66-2	1.99	1.72	1.75	1.82	8.02	ppb

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	S2	Instrumnet Name :	P8
Client Sample ID :	S2	Dilution Factor :	1
Date & Time Acquired ::	2019-01-21 12:51:11	DataFile Name :	005CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	90-1	0.92	1.00	0.94	0.95	4.24	ppb
Zirconium	91-1	0.87	0.95	0.84	0.88	6.19	ppb

LB Number : LB100421 Operator : Jaswal
 Lab Sample ID : S3 Instrumnet Name : P8
 Client Sample ID : S3 Dilution Factor : 1
 Date & Time Acquired :: 2019-01-21 12:55:07 DataFile Name : 006CAL.S.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	1040.86	1002.58	1078.01	1040.48	3.62	ppb
Antimony	121-1	51.52	53.73	49.77	51.67	3.84	ppb
Arsenic	75-2	49.37	50.19	50.00	49.85	0.86	ppb
Barium	135-1	261.00	268.61	257.55	262.39	2.16	ppb
Barium	137-1	262.32	272.50	260.77	265.20	2.40	ppb
Beryllium	9-1	51.10	52.56	50.34	51.33	2.19	ppb
Bismuth	209-1				100		%
Bismuth	209-2				100		%
Boron	10-1	49.42	46.66	51.61	49.23	5.04	ppb
Boron	11-1	49.64	50.79	47.75	49.40	3.10	ppb
Cadmium	111-1	54.38	56.33	54.41	55.04	2.02	ppb
Cadmium	106-1	53.30	52.76	52.50	52.85	0.78	ppb
Cadmium	108-1	58.41	55.53	51.99	55.31	5.81	ppb
Calcium	43-1	5196.43	5462.28	5151.71	5270.14	3.19	ppb
Calcium	44-1	5243.54	5417.13	5248.78	5303.15	1.86	ppb
Chromium	52-2	52.00	50.98	53.76	52.25	2.69	ppb
Cobalt	59-2	51.36	50.56	53.21	51.71	2.63	ppb
Copper	63-2	102.01	102.43	107.90	104.11	3.16	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				100		%
Holmium	165-2				101		%
Indium	115-1				100		%
Indium	115-2				99		%
Iron	56-2	2651.36	2649.51	2778.38	2693.08	2.74	ppb
Iron	57-2	2553.39	2521.68	2658.96	2578.01	2.79	ppb
Krypton	83-1						cps
Lead	206-1	51.28	52.58	50.32	51.39	2.20	ppb
Lead	207-1	50.16	52.15	49.87	50.73	2.45	ppb
Lead	208-1	50.55	52.27	49.81	50.88	2.48	ppb
Lithium	6-1				99		%
Magnesium	24-2	5539.79	5519.62	5700.74	5586.72	1.78	ppb

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	S3	Instrumnet Name :	P8
Client Sample ID :	S3	Dilution Factor :	1
Date & Time Acquired ::	2019-01-21 12:55:07	DataFile Name :	006CAL.S.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	105.47	102.47	107.05	105.00	2.22	ppb
Molybdenum	94-1	262.30	267.83	252.51	260.88	2.97	ppb
Molybdenum	95-1	253.33	262.34	248.27	254.65	2.80	ppb
Molybdenum	96-1	256.97	266.99	250.77	258.24	3.17	ppb
Molybdenum	97-1	259.38	265.42	254.16	259.65	2.17	ppb
Molybdenum	98-1	256.37	265.78	250.20	257.45	3.05	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	52.97	52.34	54.49	53.26	2.07	ppb
Phosphorus	31-2	898.29	968.19	791.16	885.88	10.07	ppb
Potassium	39-2	2498.76	2410.04	2525.10	2477.96	2.43	ppb
Rhodium	103-1				98		%
Rhodium	103-2				99		%
Scandium	45-1				98		%
Scandium	45-2				99		%
Selenium	77-2	43.19	58.29	36.51	46.00	24.27	ppb
Selenium	78-2	56.15	51.47	42.79	50.14	13.52	ppb
Selenium	82-1	52.14	55.81	51.54	53.16	4.35	ppb
Silicon	28-1	54.54	60.61	53.96	56.37	6.53	ppb
Silver	109-1	52.95	54.90	52.01	53.29	2.76	ppb
Silver	107-1	53.67	54.83	52.44	53.65	2.23	ppb
Sodium	23-2	5118.61	5090.59	5281.02	5163.41	1.99	ppb
Strontium	86-1	52.17	55.04	52.03	53.08	3.20	ppb
Strontium	88-1	52.70	54.56	50.96	52.74	3.42	ppb
Sulfur	34-1	1602.75	2344.81	1042.06	1663.21	39.29	ppb
Terbium	159-1				100		%
Terbium	159-2				100		%
Thallium	203-1	51.82	53.10	49.71	51.54	3.32	ppb
Thallium	205-1	51.80	53.18	50.55	51.84	2.53	ppb
Tin	118-1	52.16	55.32	51.47	52.98	3.87	ppb
Titanium	47-1	255.57	265.48	260.02	260.36	1.91	ppb
Uranium	238-1	50.60	52.54	49.47	50.87	3.05	ppb
Vanadium	51-2	50.78	49.20	51.59	50.52	2.41	ppb
Yttrium	89-1				100		%
Yttrium	89-2				100		%
Zinc	66-2	104.00	102.19	108.73	104.97	3.22	ppb

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	S3	Instrumnet Name :	P8
Client Sample ID :	S3	Dilution Factor :	1
Date & Time Acquired ::	2019-01-21 12:55:07	DataFile Name :	006CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	90-1	52.24	54.27	51.07	52.53	3.08	ppb
Zirconium	91-1	52.12	53.64	49.90	51.89	3.63	ppb

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	S4	Instrumnet Name :	P8
Client Sample ID :	S4	Dilution Factor :	1
Date & Time Acquired ::	2019-01-21 12:59:04	DataFile Name :	007CAL.S.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	2537.50	2488.04	2498.70	2508.08	1.04	ppb
Antimony	121-1	128.31	129.01	125.91	127.74	1.27	ppb
Arsenic	75-2	125.57	123.42	124.65	124.55	0.87	ppb
Barium	135-1	648.78	648.18	636.66	644.54	1.06	ppb
Barium	137-1	655.62	657.91	640.28	651.27	1.47	ppb
Beryllium	9-1	127.68	128.83	127.01	127.84	0.72	ppb
Bismuth	209-1				101		%
Bismuth	209-2				101		%
Boron	10-1	125.85	126.23	124.07	125.39	0.92	ppb
Boron	11-1	126.22	124.28	123.12	124.54	1.26	ppb
Cadmium	111-1	133.78	133.43	130.32	132.51	1.44	ppb
Cadmium	106-1	133.40	135.33	130.28	133.00	1.92	ppb
Cadmium	108-1	132.70	135.64	134.04	134.13	1.10	ppb
Calcium	43-1	13343.59	13056.72	12776.08	13058.80	2.17	ppb
Calcium	44-1	13675.10	13266.77	13009.67	13317.18	2.52	ppb
Chromium	52-2	128.48	126.63	128.38	127.83	0.82	ppb
Cobalt	59-2	126.84	124.08	128.13	126.35	1.64	ppb
Copper	63-2	260.52	254.72	261.15	258.79	1.37	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				102		%
Holmium	165-2				102		%
Indium	115-1				101		%
Indium	115-2				100		%
Iron	56-2	6522.91	6462.52	6631.94	6539.12	1.31	ppb
Iron	57-2	6402.97	6356.21	6452.62	6403.93	0.75	ppb
Krypton	83-1						cps
Lead	206-1	131.68	128.07	127.69	129.14	1.70	ppb
Lead	207-1	131.93	126.66	124.12	127.57	3.12	ppb
Lead	208-1	130.23	126.36	124.69	127.09	2.24	ppb
Lithium	6-1				98		%
Magnesium	24-2	13597.64	13380.34	13680.58	13552.86	1.14	ppb

LB Number : LB100421 Operator : Jaswal
 Lab Sample ID : S4 Instrumnet Name : P8
 Client Sample ID : S4 Dilution Factor : 1
 Date & Time Acquired :: 2019-01-21 12:59:04 DataFile Name : 007CAL.S.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	257.27	249.99	259.28	255.52	1.91	ppb
Molybdenum	94-1	646.33	647.80	636.29	643.47	0.97	ppb
Molybdenum	95-1	636.66	634.74	620.28	630.56	1.42	ppb
Molybdenum	96-1	654.43	643.67	629.72	642.61	1.93	ppb
Molybdenum	97-1	649.33	643.21	632.21	641.59	1.35	ppb
Molybdenum	98-1	672.92	653.85	648.35	658.37	1.96	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	131.70	128.00	130.63	130.11	1.46	ppb
Phosphorus	31-2	2689.93	2556.53	2330.19	2525.55	7.20	ppb
Potassium	39-2	6252.22	6062.16	6222.42	6178.93	1.65	ppb
Rhodium	103-1				99		%
Rhodium	103-2				99		%
Scandium	45-1				99		%
Scandium	45-2				100		%
Selenium	77-2	99.90	131.81	122.03	117.92	13.86	ppb
Selenium	78-2	129.86	123.80	126.38	126.68	2.40	ppb
Selenium	82-1	131.65	131.19	127.43	130.09	1.78	ppb
Silicon	28-1	142.86	141.13	134.09	139.36	3.34	ppb
Silver	109-1	129.39	132.21	128.92	130.17	1.37	ppb
Silver	107-1	129.78	131.20	128.80	129.93	0.93	ppb
Sodium	23-2	13126.08	12467.98	13032.74	12875.60	2.77	ppb
Strontium	86-1	131.60	131.77	130.41	131.26	0.57	ppb
Strontium	88-1	134.51	133.10	131.05	132.88	1.31	ppb
Sulfur	34-1	3512.61	2853.39	2174.89	2846.96	23.49	ppb
Terbium	159-1				102		%
Terbium	159-2				101		%
Thallium	203-1	131.67	127.34	125.06	128.02	2.62	ppb
Thallium	205-1	133.73	128.37	128.04	130.05	2.46	ppb
Tin	118-1	129.77	131.15	127.51	129.47	1.42	ppb
Titanium	47-1	659.63	647.62	633.04	646.77	2.06	ppb
Uranium	238-1	130.16	128.80	124.51	127.82	2.31	ppb
Vanadium	51-2	127.01	124.03	126.93	125.99	1.35	ppb
Yttrium	89-1				101		%
Yttrium	89-2				100		%
Zinc	66-2	261.55	252.46	255.76	256.59	1.79	ppb

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	S4	Instrumnet Name :	P8
Client Sample ID :	S4	Dilution Factor :	1
Date & Time Acquired ::	2019-01-21 12:59:04	DataFile Name :	007CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	90-1	132.29	130.38	127.22	129.96	1.97	ppb
Zirconium	91-1	129.29	126.53	127.34	127.72	1.11	ppb

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	S5	Instrumnet Name :	P8
Client Sample ID :	S5	Dilution Factor :	1
Date & Time Acquired ::	2019-01-21 13:02:57	DataFile Name :	008CAL.S.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	5056.86	4831.64	5484.74	5124.41	6.47	ppb
Antimony	121-1	256.78	263.37	256.48	258.88	1.50	ppb
Arsenic	75-2	248.23	240.01	272.16	253.46	6.59	ppb
Barium	135-1	1282.92	1309.91	1295.57	1296.14	1.04	ppb
Barium	137-1	1310.50	1365.29	1326.99	1334.26	2.11	ppb
Beryllium	9-1	257.77	261.62	256.95	258.78	0.96	ppb
Bismuth	209-1				97		%
Bismuth	209-2				96		%
Boron	10-1	252.95	257.26	266.96	259.06	2.77	ppb
Boron	11-1	247.59	257.41	255.72	253.58	2.07	ppb
Cadmium	111-1	267.74	276.04	266.39	270.06	1.93	ppb
Cadmium	106-1	266.77	273.77	270.11	270.21	1.30	ppb
Cadmium	108-1	267.61	277.91	264.78	270.10	2.56	ppb
Calcium	43-1	26499.13	27065.40	25340.82	26301.79	3.34	ppb
Calcium	44-1	26544.99	27057.63	25605.35	26402.66	2.79	ppb
Chromium	52-2	253.88	247.71	279.62	260.40	6.50	ppb
Cobalt	59-2	251.12	244.32	281.15	258.86	7.57	ppb
Copper	63-2	509.88	496.70	565.11	523.89	6.93	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				98		%
Indium	115-1				99		%
Indium	115-2				95		%
Iron	56-2	12850.81	12637.37	14432.88	13307.02	7.37	ppb
Iron	57-2	12984.01	12477.74	14286.04	13249.26	7.04	ppb
Krypton	83-1						cps
Lead	206-1	261.31	267.43	254.78	261.18	2.42	ppb
Lead	207-1	258.55	264.45	252.40	258.47	2.33	ppb
Lead	208-1	256.04	264.05	252.16	257.41	2.36	ppb
Lithium	6-1				93		%
Magnesium	24-2	27031.63	26430.91	29943.63	27802.06	6.76	ppb

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	S5	Instrumnet Name :	P8
Client Sample ID :	S5	Dilution Factor :	1
Date & Time Acquired ::	2019-01-21 13:02:57	DataFile Name :	008CAL.S.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	513.73	495.04	568.51	525.76	7.26	ppb
Molybdenum	94-1	1337.84	1383.08	1323.83	1348.25	2.30	ppb
Molybdenum	95-1	1329.41	1378.67	1330.43	1346.17	2.09	ppb
Molybdenum	96-1	1347.54	1367.29	1308.32	1341.05	2.24	ppb
Molybdenum	97-1	1321.85	1387.40	1312.52	1340.59	3.04	ppb
Molybdenum	98-1	1329.38	1359.82	1306.55	1331.91	2.01	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	260.87	247.94	287.80	265.54	7.66	ppb
Phosphorus	31-2	5410.44	4978.91	5217.45	5202.27	4.16	ppb
Potassium	39-2	12186.17	11952.08	13652.32	12596.85	7.32	ppb
Rhodium	103-1				96		%
Rhodium	103-2				94		%
Scandium	45-1				97		%
Scandium	45-2				96		%
Selenium	77-2	246.77	160.10	312.63	239.83	31.90	ppb
Selenium	78-2	287.44	263.97	279.49	276.97	4.31	ppb
Selenium	82-1	267.78	270.06	263.54	267.12	1.24	ppb
Silicon	28-1	253.42	259.23	240.05	250.90	3.92	ppb
Silver	109-1	255.36	265.02	258.55	259.64	1.89	ppb
Silver	107-1	260.78	267.82	258.61	262.40	1.83	ppb
Sodium	23-2	26192.78	25484.60	28957.45	26878.27	6.83	ppb
Strontium	86-1	264.91	271.65	261.34	265.96	1.97	ppb
Strontium	88-1	266.43	278.10	268.29	270.94	2.31	ppb
Sulfur	34-1	6200.26	6601.58	4738.80	5846.88	16.77	ppb
Terbium	159-1				100		%
Terbium	159-2				97		%
Thallium	203-1	260.21	265.55	261.63	262.46	1.05	ppb
Thallium	205-1	264.52	266.84	257.86	263.07	1.77	ppb
Tin	118-1	259.62	267.30	256.99	261.30	2.05	ppb
Titanium	47-1	1295.80	1329.34	1259.86	1295.00	2.68	ppb
Uranium	238-1	266.21	273.79	261.99	267.33	2.24	ppb
Vanadium	51-2	252.26	244.86	281.03	259.38	7.37	ppb
Yttrium	89-1				98		%
Yttrium	89-2				97		%
Zinc	66-2	510.81	507.39	578.63	532.28	7.55	ppb

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	S5	Instrumnet Name :	P8
Client Sample ID :	S5	Dilution Factor :	1
Date & Time Acquired ::	2019-01-21 13:02:57	DataFile Name :	008CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	90-1	271.29	277.73	265.27	271.43	2.29	ppb
Zirconium	91-1	259.87	264.41	255.12	259.80	1.79	ppb

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	S6	Instrumnet Name :	P8
Client Sample ID :	S6	Dilution Factor :	1
Date & Time Acquired ::	2019-01-21 13:06:44	DataFile Name :	009CAL.S.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	9361.64	9478.24	10463.42	9767.77	6.20	ppb
Antimony	121-1	524.26	525.20	537.21	528.89	1.36	ppb
Arsenic	75-2	467.78	475.39	522.08	488.42	6.02	ppb
Barium	135-1	2626.45	2591.98	2733.67	2650.70	2.79	ppb
Barium	137-1	2649.73	2599.69	2709.67	2653.03	2.08	ppb
Beryllium	9-1	516.26	512.29	527.14	518.57	1.48	ppb
Bismuth	209-1				99		%
Bismuth	209-2				101		%
Boron	10-1	514.99	502.69	528.14	515.27	2.47	ppb
Boron	11-1	507.21	511.04	525.17	514.47	1.84	ppb
Cadmium	111-1	526.47	529.85	537.03	531.12	1.02	ppb
Cadmium	106-1	526.40	518.14	535.08	526.54	1.61	ppb
Cadmium	108-1	529.55	524.84	535.94	530.11	1.05	ppb
Calcium	43-1	52185.00	50592.61	53337.77	52038.46	2.65	ppb
Calcium	44-1	51989.59	51203.08	53434.55	52209.07	2.17	ppb
Chromium	52-2	474.00	481.25	530.00	495.08	6.15	ppb
Cobalt	59-2	472.33	475.43	523.50	490.42	5.85	ppb
Copper	63-2	955.09	958.67	1058.19	990.65	5.91	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				102		%
Holmium	165-2				103		%
Indium	115-1				98		%
Indium	115-2				99		%
Iron	56-2	24402.27	24544.12	27003.27	25316.55	5.78	ppb
Iron	57-2	24028.96	24507.00	26739.54	25091.83	5.77	ppb
Krypton	83-1						cps
Lead	206-1	517.86	521.61	516.10	518.53	0.54	ppb
Lead	207-1	516.52	519.72	516.41	517.55	0.36	ppb
Lead	208-1	530.75	533.11	521.13	528.33	1.20	ppb
Lithium	6-1				91		%
Magnesium	24-2	51935.84	51792.45	57119.37	53615.89	5.66	ppb

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	S6	Instrumnet Name :	P8
Client Sample ID :	S6	Dilution Factor :	1
Date & Time Acquired ::	2019-01-21 13:06:44	DataFile Name :	009CAL.S.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	959.08	963.25	1050.64	990.99	5.22	ppb
Molybdenum	94-1	2656.10	2625.33	2689.95	2657.13	1.22	ppb
Molybdenum	95-1	2631.44	2615.26	2667.77	2638.15	1.02	ppb
Molybdenum	96-1	2664.99	2601.42	2640.54	2635.65	1.22	ppb
Molybdenum	97-1	2674.56	2597.16	2687.83	2653.19	1.85	ppb
Molybdenum	98-1	2614.69	2606.80	2647.50	2622.99	0.82	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	480.76	485.91	531.45	499.37	5.59	ppb
Phosphorus	31-2	8899.24	9467.34	10056.85	9474.48	6.11	ppb
Potassium	39-2	22924.92	23072.38	25243.54	23746.95	5.47	ppb
Rhodium	103-1				95		%
Rhodium	103-2				99		%
Scandium	45-1				97		%
Scandium	45-2				101		%
Selenium	77-2	481.38	437.90	492.11	470.46	6.10	ppb
Selenium	78-2	460.50	490.67	515.04	488.74	5.59	ppb
Selenium	82-1	526.38	512.70	532.12	523.73	1.91	ppb
Silicon	28-1	480.49	470.14	502.63	484.42	3.43	ppb
Silver	109-1	530.21	540.90	544.34	538.48	1.37	ppb
Silver	107-1	526.00	529.15	537.08	530.75	1.08	ppb
Sodium	23-2	48170.83	48243.68	52797.73	49737.42	5.33	ppb
Strontium	86-1	521.85	517.51	531.85	523.74	1.40	ppb
Strontium	88-1	523.70	516.51	529.66	523.29	1.26	ppb
Sulfur	34-1	11079.03	9964.48	11484.26	10842.59	7.26	ppb
Terbium	159-1				101		%
Terbium	159-2				103		%
Thallium	203-1	527.00	522.19	515.84	521.67	1.07	ppb
Thallium	205-1	533.61	536.36	533.04	534.34	0.33	ppb
Tin	118-1	519.88	525.10	524.90	523.29	0.57	ppb
Titanium	47-1	2636.13	2618.57	2739.31	2664.67	2.45	ppb
Uranium	238-1	534.15	535.25	531.02	533.47	0.41	ppb
Vanadium	51-2	474.44	479.70	527.26	493.80	5.89	ppb
Yttrium	89-1				100		%
Yttrium	89-2				101		%
Zinc	66-2	960.35	982.34	1061.85	1001.51	5.33	ppb

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	S6	Instrumnet Name :	P8
Client Sample ID :	S6	Dilution Factor :	1
Date & Time Acquired ::	2019-01-21 13:06:44	DataFile Name :	009CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	90-1	530.63	520.21	537.58	529.47	1.65	ppb
Zirconium	91-1	518.09	508.92	522.42	516.47	1.33	ppb

LB Number : LB100421 Operator : Jaswal
 Lab Sample ID : S7 Instrumnet Name : P8
 Client Sample ID : S7 Dilution Factor : 1
 Date & Time Acquired :: 2019-01-21 13:10:27 DataFile Name : 010CAL.S.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	21034.48	18924.19	19278.20	19745.62	5.72	ppb
Antimony	121-1	889.58	1021.47	1037.68	982.91	8.26	ppb
Arsenic	75-2	1064.25	971.36	979.35	1004.99	5.12	ppb
Barium	135-1	4445.63	5034.47	5250.06	4910.06	8.48	ppb
Barium	137-1	4401.51	5083.70	5209.92	4898.38	8.88	ppb
Beryllium	9-1	913.56	1035.67	1015.07	988.10	6.62	ppb
Bismuth	209-1				106		%
Bismuth	209-2				96		%
Boron	10-1	909.80	1019.90	1040.75	990.15	7.11	ppb
Boron	11-1	909.64	1030.92	1035.50	992.02	7.20	ppb
Cadmium	111-1	888.08	1020.86	1025.77	978.24	7.99	ppb
Cadmium	106-1	883.80	1023.52	1034.28	980.53	8.56	ppb
Cadmium	108-1	877.06	1031.65	1026.83	978.51	8.98	ppb
Calcium	43-1	88530.22	102710.69	103454.49	98231.80	8.56	ppb
Calcium	44-1	88571.68	100728.30	103514.13	97604.71	8.14	ppb
Chromium	52-2	1065.33	961.61	971.24	999.39	5.73	ppb
Cobalt	59-2	1072.62	966.96	967.38	1002.32	6.07	ppb
Copper	63-2	2120.90	1920.73	1950.56	1997.40	5.41	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				109		%
Holmium	165-2				100		%
Indium	115-1				105		%
Indium	115-2				94		%
Iron	56-2	54557.49	48731.96	49731.45	51006.97	6.11	ppb
Iron	57-2	54044.74	48292.53	49013.59	50450.29	6.21	ppb
Krypton	83-1						cps
Lead	206-1	878.64	1020.56	1062.87	987.36	9.77	ppb
Lead	207-1	883.28	1005.99	1076.98	988.75	9.91	ppb
Lead	208-1	876.05	1012.15	1062.84	983.68	9.82	ppb
Lithium	6-1				93		%
Magnesium	24-2	114539.49	101124.02	102935.42	106199.64	6.85	ppb

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	S7	Instrumnet Name :	P8
Client Sample ID :	S7	Dilution Factor :	1
Date & Time Acquired ::	2019-01-21 13:10:27	DataFile Name :	010CAL.S.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	2141.69	1910.12	1939.56	1997.13	6.31	ppb
Molybdenum	94-1	4457.04	5098.35	5126.67	4894.02	7.74	ppb
Molybdenum	95-1	4474.50	5140.10	5103.26	4905.95	7.63	ppb
Molybdenum	96-1	4472.59	5084.90	5162.91	4906.80	7.70	ppb
Molybdenum	97-1	4473.97	5062.05	5158.59	4898.20	7.57	ppb
Molybdenum	98-1	4490.85	5091.15	5158.44	4913.48	7.48	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	1060.06	960.02	966.80	995.63	5.61	ppb
Phosphorus	31-2	22747.43	18654.36	19242.32	20214.71	10.95	ppb
Potassium	39-2	51417.99	46373.02	47056.50	48282.50	5.67	ppb
Rhodium	103-1				101		%
Rhodium	103-2				95		%
Scandium	45-1				105		%
Scandium	45-2				101		%
Selenium	77-2	1093.79	1001.24	960.16	1018.40	6.72	ppb
Selenium	78-2	1037.69	961.24	997.09	998.67	3.83	ppb
Selenium	82-1	903.45	1017.03	1028.68	983.05	7.04	ppb
Silicon	28-1	902.15	1049.48	1064.80	1005.47	8.93	ppb
Silver	109-1	886.20	1030.65	1015.76	977.54	8.13	ppb
Silver	107-1	888.48	1030.88	1022.83	980.73	8.16	ppb
Sodium	23-2	105866.55	95806.65	95957.65	99210.28	5.81	ppb
Strontium	86-1	889.75	1028.66	1031.20	983.20	8.23	ppb
Strontium	88-1	892.83	1020.60	1032.56	982.00	7.89	ppb
Sulfur	34-1	15603.43	20890.47	21377.46	19290.45	16.60	ppb
Terbium	159-1				108		%
Terbium	159-2				99		%
Thallium	203-1	888.22	1015.09	1053.48	985.59	8.78	ppb
Thallium	205-1	876.48	999.30	1060.74	978.84	9.58	ppb
Tin	118-1	882.18	1029.00	1043.29	984.82	9.06	ppb
Titanium	47-1	4494.45	5046.41	5168.67	4903.18	7.33	ppb
Uranium	238-1	878.53	1007.33	1049.75	978.53	9.11	ppb
Vanadium	51-2	1072.68	954.73	974.40	1000.61	6.32	ppb
Yttrium	89-1				107		%
Yttrium	89-2				99		%
Zinc	66-2	2119.36	1901.15	1949.79	1990.10	5.76	ppb

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	S7	Instrumnet Name :	P8
Client Sample ID :	S7	Dilution Factor :	1
Date & Time Acquired ::	2019-01-21 13:10:27	DataFile Name :	010CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	90-1	888.80	1020.85	1027.83	979.16	8.00	ppb
Zirconium	91-1	905.71	1026.75	1034.18	988.88	7.29	ppb

LB Number : LB100421 Operator : Jaswal
 Lab Sample ID : S8 Instrumnet Name : P8
 Client Sample ID : S8 Dilution Factor : 1
 Date & Time Acquired :: 2019-01-21 13:17:47 DataFile Name : 012CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	100273.77	99949.80	99978.25	100067.27	0.18	ppb
Antimony	121-1	1.14	1.17	1.19	1.17	2.35	ppb
Arsenic	75-2	1.11	1.45	1.44	1.34	14.29	ppb
Barium	135-1	0.56	0.71	0.57	0.61	14.07	ppb
Barium	137-1	0.57	0.49	0.62	0.56	11.34	ppb
Beryllium	9-1	0.06	0.09	0.06	0.07	25.94	ppb
Bismuth	209-1				85		%
Bismuth	209-2				85		%
Boron	10-1	8.38	8.58	6.17	7.71	17.31	ppb
Boron	11-1	8.11	7.36	7.55	7.67	5.06	ppb
Cadmium	111-1	-0.04	0.02	0.04	0.00	1920.41	ppb
Cadmium	106-1	-2.18	-0.70	-0.47	-1.12		ppb
Cadmium	108-1	0.06	0.37	0.32	0.25	66.06	ppb
Calcium	43-1	499244.15	496833.88	504126.15	500068.06	0.74	ppb
Calcium	44-1	495816.38	495453.03	509224.34	500164.58	1.57	ppb
Chromium	52-2	8.85	8.62	8.54	8.67	1.85	ppb
Cobalt	59-2	11.53	11.48	11.38	11.46	0.70	ppb
Copper	63-2	2.68	2.59	2.49	2.59	3.71	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				94		%
Holmium	165-2				94		%
Indium	115-1				96		%
Indium	115-2				98		%
Iron	56-2	251196.40	248976.94	248978.99	249717.44	0.51	ppb
Iron	57-2	254466.98	248057.86	247051.16	249858.67	1.61	ppb
Krypton	83-1						cps
Lead	206-1	1.75	1.70	1.83	1.76	3.72	ppb
Lead	207-1	1.58	1.63	1.69	1.63	3.48	ppb
Lead	208-1	1.59	1.63	1.72	1.65	4.20	ppb
Lithium	6-1				80		%
Magnesium	24-2	495737.13	497378.22	501563.28	498226.21	0.60	ppb

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	S8	Instrumnet Name :	P8
Client Sample ID :	S8	Dilution Factor :	1
Date & Time Acquired ::	2019-01-21 13:17:47	DataFile Name :	012CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	9.57	10.82	10.37	10.25	6.19	ppb
Molybdenum	94-1	1.77	1.82	2.13	1.91	10.10	ppb
Molybdenum	95-1	2.16	2.25	2.25	2.22	2.28	ppb
Molybdenum	96-1	2.45	2.40	2.54	2.47	2.81	ppb
Molybdenum	97-1	2.16	2.32	2.32	2.27	4.00	ppb
Molybdenum	98-1	2.38	2.16	2.13	2.22	6.15	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	13.32	13.58	13.33	13.41	1.09	ppb
Phosphorus	31-2	-22.43	-22.57	-10.26	-18.42		ppb
Potassium	39-2	251936.38	248399.70	251062.15	250466.07	0.74	ppb
Rhodium	103-1				89		%
Rhodium	103-2				91		%
Scandium	45-1				98		%
Scandium	45-2				102		%
Selenium	77-2	-1.24	9.90	-1.24	2.47	260.12	ppb
Selenium	78-2	-0.01	0.62	0.62	0.41	88.01	ppb
Selenium	82-1	-0.41	0.77	0.38	0.25	240.42	ppb
Silicon	28-1	30.70	31.54	36.31	32.85	9.21	ppb
Silver	109-1	0.13	0.13	0.16	0.14	12.64	ppb
Silver	107-1	0.11	0.12	0.13	0.12	7.74	ppb
Sodium	23-2	501664.77	497534.27	501038.88	500079.31	0.45	ppb
Strontium	86-1	4.29	3.94	4.21	4.15	4.49	ppb
Strontium	88-1	4.09	4.15	4.27	4.17	2.18	ppb
Sulfur	34-1	-5405.45	-5789.89	-5379.14	-5524.83		ppb
Terbium	159-1				94		%
Terbium	159-2				93		%
Thallium	203-1	0.18	0.14	0.15	0.16	12.70	ppb
Thallium	205-1	0.17	0.15	0.17	0.16	6.68	ppb
Tin	118-1	0.90	0.80	0.81	0.84	6.27	ppb
Titanium	47-1	0.61	0.75	0.93	0.76	21.28	ppb
Uranium	238-1	0.02	0.02	0.02	0.02	19.82	ppb
Vanadium	51-2	0.23	0.13	0.18	0.18	26.89	ppb
Yttrium	89-1				97		%
Yttrium	89-2				100		%
Zinc	66-2	18.36	17.67	18.01	18.01	1.89	ppb

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	S8	Instrumnet Name :	P8
Client Sample ID :	S8	Dilution Factor :	1
Date & Time Acquired ::	2019-01-21 13:17:47	DataFile Name :	012CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	90-1	0.23	0.19	0.19	0.20	11.00	ppb
Zirconium	91-1	0.25	0.23	0.18	0.22	16.51	ppb

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	ICV01	Instrumnet Name :	P8
Client Sample ID :	ICV01	Dilution Factor :	1
Date & Time Acquired ::	2019-01-21 13:21:29	DataFile Name :	013ICV01.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	515.56	540.70	529.81	528.69	2.38	ppb
Antimony	121-1	198.67	198.28	194.46	197.13	1.18	ppb
Arsenic	75-2	185.75	195.74	195.19	192.23	2.92	ppb
Barium	135-1	100.69	100.54	99.38	100.20	0.71	ppb
Barium	137-1	102.22	100.64	99.42	100.76	1.39	ppb
Beryllium	9-1	102.24	99.09	99.51	100.28	1.71	ppb
Bismuth	209-1				88		%
Bismuth	209-2				88		%
Boron	10-1	3.56	3.97	4.08	3.87	7.03	ppb
Boron	11-1	3.90	4.09	3.68	3.89	5.19	ppb
Cadmium	111-1	106.92	105.12	103.66	105.23	1.55	ppb
Cadmium	106-1	89.88	89.73	98.53	92.71	5.43	ppb
Cadmium	108-1	95.57	93.26	99.16	96.00	3.10	ppb
Calcium	43-1	2088.97	1987.55	1900.06	1992.19	4.75	ppb
Calcium	44-1	2062.30	2012.81	1938.08	2004.40	3.12	ppb
Chromium	52-2	93.71	94.97	96.05	94.91	1.23	ppb
Cobalt	59-2	94.93	97.02	97.00	96.32	1.25	ppb
Copper	63-2	95.47	98.36	98.16	97.33	1.66	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				92		%
Holmium	165-2				92		%
Indium	115-1				96		%
Indium	115-2				98		%
Iron	56-2	984.51	1015.25	1009.63	1003.13	1.63	ppb
Iron	57-2	951.67	1003.09	1007.39	987.39	3.14	ppb
Krypton	83-1						cps
Lead	206-1	199.23	196.28	194.45	196.65	1.23	ppb
Lead	207-1	190.66	186.08	186.02	187.58	1.42	ppb
Lead	208-1	192.90	189.39	187.57	189.96	1.43	ppb
Lithium	6-1				80		%
Magnesium	24-2	1166.29	1179.67	1201.14	1182.37	1.49	ppb

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	ICV01	Instrumnet Name :	P8
Client Sample ID :	ICV01	Dilution Factor :	1
Date & Time Acquired ::	2019-01-21 13:21:29	DataFile Name :	013ICV01.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	92.08	95.42	98.02	95.18	3.13	ppb
Molybdenum	94-1	0.05	0.09	0.12	0.08	42.85	ppb
Molybdenum	95-1	0.06	0.10	0.10	0.09	26.80	ppb
Molybdenum	96-1	0.11	0.09	0.10	0.10	11.94	ppb
Molybdenum	97-1	0.11	0.05	-0.01	0.05	128.49	ppb
Molybdenum	98-1	0.05	0.10	0.07	0.07	32.56	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	97.50	98.09	100.59	98.73	1.66	ppb
Phosphorus	31-2	-22.86	-22.54	-22.46	-22.62		ppb
Potassium	39-2	2018.37	2050.76	2018.85	2029.33	0.91	ppb
Rhodium	103-1				96		%
Rhodium	103-2				97		%
Scandium	45-1				101		%
Scandium	45-2				103		%
Selenium	77-2	193.37	181.00	206.86	193.74	6.68	ppb
Selenium	78-2	213.79	201.85	204.93	206.86	3.00	ppb
Selenium	82-1	206.53	201.65	195.15	201.11	2.84	ppb
Silicon	28-1	-7.38	-9.13	-13.12	-9.87		ppb
Silver	109-1	105.05	102.42	103.11	103.53	1.32	ppb
Silver	107-1	104.06	102.11	103.40	103.19	0.96	ppb
Sodium	23-2	2075.74	2095.10	2068.07	2079.64	0.67	ppb
Strontium	86-1	2.51	2.14	2.12	2.26	9.73	ppb
Strontium	88-1	2.30	2.34	2.16	2.26	4.23	ppb
Sulfur	34-1	-6462.55	-6993.94	-7750.36	-7068.95		ppb
Terbium	159-1				92		%
Terbium	159-2				92		%
Thallium	203-1	203.73	199.82	195.40	199.65	2.09	ppb
Thallium	205-1	203.33	199.30	197.64	200.09	1.46	ppb
Tin	118-1	0.02	0.02	-0.01	0.01	120.74	ppb
Titanium	47-1	0.01	0.00	0.02	0.01	146.83	ppb
Uranium	238-1	0.03	0.02	0.03	0.03	19.30	ppb
Vanadium	51-2	93.00	96.72	96.96	95.56	2.32	ppb
Yttrium	89-1				99		%
Yttrium	89-2				100		%
Zinc	66-2	191.18	192.88	194.35	192.80	0.82	ppb

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	ICV01	Instrumnet Name :	P8
Client Sample ID :	ICV01	Dilution Factor :	1
Date & Time Acquired ::	2019-01-21 13:21:29	DataFile Name :	013ICV01.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	90-1	0.01	0.01	0.02	0.01	50.01	ppb
Zirconium	91-1	0.04	0.05	0.04	0.04	17.58	ppb

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	LLICV01	Instrumnet Name :	P8
Client Sample ID :	LLICV01	Dilution Factor :	1
Date & Time Acquired ::	2019-01-21 13:25:08	DataFile Name :	014LLIC.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	18.03	20.89	23.14	20.69	12.38	ppb
Antimony	121-1	2.08	2.25	2.11	2.15	4.39	ppb
Arsenic	75-2	0.83	1.11	0.95	0.96	14.43	ppb
Barium	135-1	11.13	10.71	10.91	10.91	1.92	ppb
Barium	137-1	11.17	10.96	10.88	11.00	1.39	ppb
Beryllium	9-1	1.11	1.00	1.05	1.05	5.08	ppb
Bismuth	209-1				86		%
Bismuth	209-2				90		%
Boron	10-1	27.08	29.18	26.88	27.72	4.59	ppb
Boron	11-1	27.97	28.62	28.98	28.53	1.81	ppb
Cadmium	111-1	1.12	0.99	0.95	1.02	8.99	ppb
Cadmium	106-1	3.34	0.84	0.73	1.64	89.87	ppb
Cadmium	108-1	2.07	0.91	1.05	1.35	47.09	ppb
Calcium	43-1	502.42	487.14	504.27	497.94	1.89	ppb
Calcium	44-1	525.35	531.94	530.86	529.38	0.67	ppb
Chromium	52-2	1.96	1.95	1.88	1.93	2.25	ppb
Cobalt	59-2	1.00	0.90	1.06	0.99	8.17	ppb
Copper	63-2	2.02	1.85	2.01	1.96	4.80	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				90		%
Holmium	165-2				93		%
Indium	115-1				95		%
Indium	115-2				99		%
Iron	56-2	53.92	54.32	54.66	54.30	0.68	ppb
Iron	57-2	60.93	58.78	57.84	59.18	2.68	ppb
Krypton	83-1						cps
Lead	206-1	1.16	1.09	1.18	1.14	4.02	ppb
Lead	207-1	1.04	1.06	0.95	1.02	5.40	ppb
Lead	208-1	1.06	1.10	1.06	1.07	1.94	ppb
Lithium	6-1				77		%
Magnesium	24-2	485.87	508.20	504.68	499.58	2.40	ppb

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	LLICV01	Instrumnet Name :	P8
Client Sample ID :	LLICV01	Dilution Factor :	1
Date & Time Acquired ::	2019-01-21 13:25:08	DataFile Name :	014LLIC.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	0.99	1.23	0.94	1.05	14.96	ppb
Molybdenum	94-1	5.42	5.35	4.97	5.25	4.61	ppb
Molybdenum	95-1	5.15	5.30	5.37	5.27	2.09	ppb
Molybdenum	96-1	5.14	5.43	5.10	5.23	3.41	ppb
Molybdenum	97-1	5.17	5.23	4.97	5.13	2.64	ppb
Molybdenum	98-1	5.03	5.13	4.99	5.05	1.43	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.99	0.96	0.92	0.95	3.73	ppb
Phosphorus	31-2	47.11	0.71	36.63	28.15	86.46	ppb
Potassium	39-2	529.20	492.70	518.11	513.34	3.65	ppb
Rhodium	103-1				95		%
Rhodium	103-2				98		%
Scandium	45-1				100		%
Scandium	45-2				105		%
Selenium	77-2	5.98	13.23	6.11	8.44	49.17	ppb
Selenium	78-2	2.38	4.20	3.66	3.42	27.30	ppb
Selenium	82-1	4.93	4.68	5.17	4.93	4.96	ppb
Silicon	28-1	-8.04	-6.20	-5.64	-6.63		ppb
Silver	109-1	1.15	1.17	1.11	1.14	2.31	ppb
Silver	107-1	1.22	1.26	1.09	1.19	7.52	ppb
Sodium	23-2	557.55	555.46	568.00	560.33	1.20	ppb
Strontium	86-1	1.03	0.95	0.89	0.96	7.11	ppb
Strontium	88-1	1.04	0.99	1.00	1.01	2.51	ppb
Sulfur	34-1	-6716.27	-6609.22	-6537.23	-6620.90		ppb
Terbium	159-1				89		%
Terbium	159-2				93		%
Thallium	203-1	0.92	0.93	0.99	0.95	4.37	ppb
Thallium	205-1	0.97	0.99	1.06	1.01	4.45	ppb
Tin	118-1	5.46	5.13	5.29	5.29	3.08	ppb
Titanium	47-1	5.55	4.89	5.48	5.31	6.79	ppb
Uranium	238-1	0.89	0.86	0.88	0.88	1.67	ppb
Vanadium	51-2	5.16	4.73	5.10	4.99	4.65	ppb
Yttrium	89-1				97		%
Yttrium	89-2				102		%
Zinc	66-2	1.83	2.18	2.37	2.12	12.86	ppb

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	LLICV01	Instrumnet Name :	P8
Client Sample ID :	LLICV01	Dilution Factor :	1
Date & Time Acquired ::	2019-01-21 13:25:08	DataFile Name :	014LLIC.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	90-1	1.04	1.02	0.96	1.01	4.03	ppb
Zirconium	91-1	0.89	0.88	1.02	0.93	8.71	ppb

LB Number : LB100421 Operator : Jaswal
 Lab Sample ID : ICB01 Instrumnet Name : P8
 Client Sample ID : ICB01 Dilution Factor : 1
 Date & Time Acquired :: 2019-01-21 13:28:43 DataFile Name : 015CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	0.21	0.35	-1.47	-0.30		ppb
Antimony	121-1	0.08	0.09	0.08	0.08	8.90	ppb
Arsenic	75-2	-0.03	0.01	-0.01	-0.01		ppb
Barium	135-1	0.01	-0.01	-0.02	-0.01		ppb
Barium	137-1	0.02	0.02	-0.01	0.01	166.10	ppb
Beryllium	9-1	0.04	0.03	0.03	0.03	18.71	ppb
Bismuth	209-1				83		%
Bismuth	209-2				85		%
Boron	10-1	3.38	3.55	3.70	3.54	4.46	ppb
Boron	11-1	3.46	3.26	2.73	3.15	12.11	ppb
Cadmium	111-1	-0.04	-0.04	0.09	0.00	1690.30	ppb
Cadmium	106-1	-0.55	-0.44	1.24	0.08	1200.44	ppb
Cadmium	108-1	0.28	0.07	0.20	0.18	57.98	ppb
Calcium	43-1	-5.38	-7.70	-4.11	-5.73		ppb
Calcium	44-1	31.06	25.61	18.82	25.16	24.37	ppb
Chromium	52-2	0.13	0.14	0.00	0.09	87.54	ppb
Cobalt	59-2	0.00	-0.01	-0.01	-0.01		ppb
Copper	63-2	0.05	0.00	-0.01	0.01	246.25	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				89		%
Indium	115-1				92		%
Indium	115-2				95		%
Iron	56-2	2.21	1.63	3.83	2.56	44.54	ppb
Iron	57-2	1.40	3.68	2.89	2.66	43.71	ppb
Krypton	83-1						cps
Lead	206-1	0.10	0.10	0.07	0.09	17.69	ppb
Lead	207-1	0.06	0.11	0.09	0.09	29.63	ppb
Lead	208-1	0.08	0.08	0.07	0.08	7.31	ppb
Lithium	6-1				75		%
Magnesium	24-2	4.46	-2.33	3.01	1.71	208.56	ppb

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	ICB01	Instrumnet Name :	P8
Client Sample ID :	ICB01	Dilution Factor :	1
Date & Time Acquired ::	2019-01-21 13:28:43	DataFile Name :	015CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	0.05	0.08	0.19	0.11	69.44	ppb
Molybdenum	94-1	0.04	0.03	0.01	0.03	54.43	ppb
Molybdenum	95-1	0.03	0.02	0.03	0.02	28.88	ppb
Molybdenum	96-1	0.02	0.05	0.02	0.03	62.32	ppb
Molybdenum	97-1	0.05	0.01	0.00	0.02	135.57	ppb
Molybdenum	98-1	0.02	0.01	0.01	0.01	39.49	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.12	0.08	0.01	0.07	82.18	ppb
Phosphorus	31-2	-21.63	13.72	1.38	-2.17		ppb
Potassium	39-2	52.10	35.79	7.97	31.96	69.82	ppb
Rhodium	103-1				91		%
Rhodium	103-2				95		%
Scandium	45-1				97		%
Scandium	45-2				100		%
Selenium	77-2	-1.24	-1.24	-1.24	-1.24		ppb
Selenium	78-2	1.38	-0.62	1.85	0.87	151.05	ppb
Selenium	82-1	-0.65	-0.83	1.15	-0.11		ppb
Silicon	28-1	-8.72	-10.27	-13.40	-10.80		ppb
Silver	109-1	0.03	0.05	0.04	0.04	23.72	ppb
Silver	107-1	0.04	0.05	0.03	0.04	28.92	ppb
Sodium	23-2	86.25	74.95	70.79	77.33	10.35	ppb
Strontium	86-1	-0.02	-0.09	-0.05	-0.05		ppb
Strontium	88-1	0.00	0.00	0.00	0.00	134.49	ppb
Sulfur	34-1	-5009.92	-5103.43	-5840.26	-5317.87		ppb
Terbium	159-1				86		%
Terbium	159-2				90		%
Thallium	203-1	0.00	0.01	0.01	0.01	141.93	ppb
Thallium	205-1	0.01	0.01	0.00	0.00	126.49	ppb
Tin	118-1	-0.02	-0.01	0.00	-0.01		ppb
Titanium	47-1	0.01	-0.05	-0.06	-0.03		ppb
Uranium	238-1	0.00	0.00	0.00	0.00		ppb
Vanadium	51-2	-0.01	0.02	0.00	0.00	397.02	ppb
Yttrium	89-1				93		%
Yttrium	89-2				98		%
Zinc	66-2	0.10	0.06	0.05	0.07	40.39	ppb

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	ICB01	Instrumnet Name :	P8
Client Sample ID :	ICB01	Dilution Factor :	1
Date & Time Acquired ::	2019-01-21 13:28:43	DataFile Name :	015CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	90-1	0.00	0.01	0.00	0.00	204.93	ppb
Zirconium	91-1	-0.01	0.00	-0.02	-0.01		ppb

LB Number : LB100421 Operator : Jaswal
 Lab Sample ID : ICSA01 Instrumnet Name : P8
 Client Sample ID : ICSA01 Dilution Factor : 1
 Date & Time Acquired :: 2019-01-21 13:32:18 DataFile Name : 016ICSA01.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	90606.36	87284.57	87770.67	88553.87	2.03	ppb
Antimony	121-1	1.29	1.26	1.36	1.30	4.02	ppb
Arsenic	75-2	0.36	0.30	0.51	0.39	27.68	ppb
Barium	135-1	1.85	1.38	1.54	1.59	15.21	ppb
Barium	137-1	1.63	1.74	1.45	1.61	9.04	ppb
Beryllium	9-1	0.32	0.31	0.35	0.33	6.83	ppb
Bismuth	209-1				85		%
Bismuth	209-2				86		%
Boron	10-1	3.39	2.67	3.00	3.02	11.86	ppb
Boron	11-1	3.01	3.01	2.73	2.92	5.59	ppb
Cadmium	111-1	0.35	0.39	0.32	0.35	10.64	ppb
Cadmium	106-1	-0.42	0.23	-1.15	-0.45		ppb
Cadmium	108-1	8.69	9.45	7.97	8.71	8.48	ppb
Calcium	43-1	101158.37	99270.71	100996.68	100475.25	1.04	ppb
Calcium	44-1	100889.65	98749.13	100812.10	100150.29	1.21	ppb
Chromium	52-2	21.38	21.20	21.07	21.22	0.73	ppb
Cobalt	59-2	1.14	1.04	1.07	1.08	5.03	ppb
Copper	63-2	8.41	8.20	8.24	8.29	1.36	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				92		%
Holmium	165-2				92		%
Indium	115-1				94		%
Indium	115-2				95		%
Iron	56-2	99480.74	97118.59	97715.09	98104.80	1.25	ppb
Iron	57-2	101520.22	97753.64	99917.40	99730.42	1.90	ppb
Krypton	83-1						cps
Lead	206-1	5.14	5.03	5.04	5.07	1.13	ppb
Lead	207-1	4.42	4.37	4.01	4.26	5.20	ppb
Lead	208-1	4.59	4.58	4.50	4.56	1.13	ppb
Lithium	6-1				79		%
Magnesium	24-2	101207.20	99186.94	99118.17	99837.44	1.19	ppb

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	ICSA01	Instrumnet Name :	P8
Client Sample ID :	ICSA01	Dilution Factor :	1
Date & Time Acquired ::	2019-01-21 13:32:18	DataFile Name :	016ICSA01.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	7.87	7.43	7.81	7.70	3.05	ppb
Molybdenum	94-1	1414.14	1385.90	1404.48	1401.50	1.02	ppb
Molybdenum	95-1	1977.73	1962.88	1996.45	1979.02	0.85	ppb
Molybdenum	96-1	1889.71	1862.15	1936.82	1896.23	1.99	ppb
Molybdenum	97-1	2004.67	1946.60	2018.19	1989.82	1.91	ppb
Molybdenum	98-1	1956.43	1924.97	2002.35	1961.25	1.98	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	5.27	4.83	5.00	5.03	4.36	ppb
Phosphorus	31-2	100669.95	96497.89	95553.96	97573.93	2.79	ppb
Potassium	39-2	101621.15	96925.11	98132.42	98892.89	2.47	ppb
Rhodium	103-1				90		%
Rhodium	103-2				92		%
Scandium	45-1				97		%
Scandium	45-2				100		%
Selenium	77-2	-1.24	2.56	-1.24	0.03	8622.00	ppb
Selenium	78-2	0.01	-0.62	0.65	0.01	5010.47	ppb
Selenium	82-1	0.29	-0.19	-0.96	-0.29		ppb
Silicon	28-1	25.54	23.67	24.28	24.50	3.88	ppb
Silver	109-1	0.35	0.41	0.39	0.38	8.56	ppb
Silver	107-1	0.46	0.42	0.38	0.42	9.18	ppb
Sodium	23-2	98661.61	96959.43	97188.04	97603.03	0.95	ppb
Strontium	86-1	34.59	33.65	35.18	34.47	2.24	ppb
Strontium	88-1	33.95	33.37	33.79	33.70	0.89	ppb
Sulfur	34-1	92028.52	89958.99	90957.12	90981.54	1.14	ppb
Terbium	159-1				92		%
Terbium	159-2				92		%
Thallium	203-1	0.03	0.04	0.05	0.04	31.96	ppb
Thallium	205-1	0.06	0.04	0.03	0.04	34.75	ppb
Tin	118-1	0.18	0.11	0.12	0.14	28.35	ppb
Titanium	47-1	2051.95	2006.78	2053.15	2037.30	1.30	ppb
Uranium	238-1	0.04	0.02	0.02	0.02	49.84	ppb
Vanadium	51-2	0.12	0.13	0.15	0.13	9.82	ppb
Yttrium	89-1				96		%
Yttrium	89-2				98		%
Zinc	66-2	14.12	13.54	14.83	14.17	4.55	ppb

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	ICSA01	Instrumnet Name :	P8
Client Sample ID :	ICSA01	Dilution Factor :	1
Date & Time Acquired ::	2019-01-21 13:32:18	DataFile Name :	016ICSA01.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	90-1	0.03	0.04	0.01	0.03	41.91	ppb
Zirconium	91-1	0.01	0.03	0.05	0.03	71.94	ppb

LB Number : LB100421 Operator : Jaswal
 Lab Sample ID : ICSAB01 Instrumnet Name : P8
 Client Sample ID : ICSAB01 Dilution Factor : 1
 Date & Time Acquired :: 2019-01-21 13:35:46 DataFile Name : 017ICSB.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	89212.41	88721.14	87835.46	88589.67	0.79	ppb
Antimony	121-1	21.65	21.66	21.42	21.58	0.65	ppb
Arsenic	75-2	18.54	19.29	19.02	18.95	1.99	ppb
Barium	135-1	22.11	21.87	21.82	21.93	0.71	ppb
Barium	137-1	22.92	21.86	23.21	22.66	3.15	ppb
Beryllium	9-1	21.95	21.99	21.71	21.88	0.70	ppb
Bismuth	209-1				84		%
Bismuth	209-2				87		%
Boron	10-1	61.54	57.62	60.48	59.88	3.39	ppb
Boron	11-1	60.09	59.46	62.32	60.62	2.48	ppb
Cadmium	111-1	21.91	21.48	21.73	21.71	1.01	ppb
Cadmium	106-1	21.07	24.28	27.62	24.32	13.45	ppb
Cadmium	108-1	29.13	31.37	31.45	30.65	4.31	ppb
Calcium	43-1	104071.24	103913.72	103702.68	103895.88	0.18	ppb
Calcium	44-1	101184.91	102424.91	101179.28	101596.37	0.71	ppb
Chromium	52-2	39.79	39.93	38.89	39.54	1.43	ppb
Cobalt	59-2	20.63	20.76	20.64	20.68	0.36	ppb
Copper	63-2	27.87	27.92	27.76	27.85	0.29	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				92		%
Holmium	165-2				93		%
Indium	115-1				92		%
Indium	115-2				94		%
Iron	56-2	98408.30	98549.46	97168.47	98042.08	0.78	ppb
Iron	57-2	97116.99	99044.29	95443.54	97201.61	1.85	ppb
Krypton	83-1						cps
Lead	206-1	26.54	25.82	25.78	26.05	1.64	ppb
Lead	207-1	24.51	23.44	23.32	23.75	2.77	ppb
Lead	208-1	24.87	24.33	24.31	24.50	1.30	ppb
Lithium	6-1				77		%
Magnesium	24-2	101449.72	99742.73	99109.43	100100.63	1.21	ppb

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	ICSAB01	Instrumnet Name :	P8
Client Sample ID :	ICSAB01	Dilution Factor :	1
Date & Time Acquired ::	2019-01-21 13:35:46	DataFile Name :	017ICSB.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	26.62	27.05	27.44	27.03	1.51	ppb
Molybdenum	94-1	1580.16	1539.78	1543.35	1554.43	1.44	ppb
Molybdenum	95-1	2091.34	2064.87	2084.13	2080.12	0.66	ppb
Molybdenum	96-1	2001.51	1998.43	2008.22	2002.72	0.25	ppb
Molybdenum	97-1	2084.47	2051.76	2081.98	2072.74	0.88	ppb
Molybdenum	98-1	2077.46	2038.37	2058.81	2058.21	0.95	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	24.97	24.68	24.70	24.79	0.66	ppb
Phosphorus	31-2	98149.13	99237.67	97807.69	98398.16	0.76	ppb
Potassium	39-2	98118.03	98656.57	96573.68	97782.76	1.11	ppb
Rhodium	103-1				88		%
Rhodium	103-2				92		%
Scandium	45-1				94		%
Scandium	45-2				98		%
Selenium	77-2	18.26	18.02	17.82	18.03	1.22	ppb
Selenium	78-2	18.22	23.13	17.16	19.50	16.31	ppb
Selenium	82-1	19.83	21.45	20.42	20.56	3.99	ppb
Silicon	28-1	76.59	77.80	75.94	76.78	1.23	ppb
Silver	109-1	20.42	19.69	19.70	19.94	2.09	ppb
Silver	107-1	20.20	20.09	20.63	20.30	1.40	ppb
Sodium	23-2	99059.00	98807.42	96837.01	98234.48	1.24	ppb
Strontium	86-1	87.64	87.19	87.59	87.48	0.29	ppb
Strontium	88-1	86.90	86.19	87.51	86.87	0.76	ppb
Sulfur	34-1	92973.87	93262.54	92088.46	92774.96	0.66	ppb
Terbium	159-1				91		%
Terbium	159-2				92		%
Thallium	203-1	21.71	20.91	20.93	21.18	2.14	ppb
Thallium	205-1	21.62	21.43	21.29	21.45	0.76	ppb
Tin	118-1	51.81	50.81	50.95	51.19	1.06	ppb
Titanium	47-1	2096.77	2120.53	2104.87	2107.39	0.57	ppb
Uranium	238-1	53.65	53.44	52.15	53.08	1.53	ppb
Vanadium	51-2	19.64	19.95	19.25	19.61	1.80	ppb
Yttrium	89-1				93		%
Yttrium	89-2				97		%
Zinc	66-2	33.62	32.99	32.67	33.09	1.45	ppb

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	ICSAB01	Instrumnet Name :	P8
Client Sample ID :	ICSAB01	Dilution Factor :	1
Date & Time Acquired ::	2019-01-21 13:35:46	DataFile Name :	017ICSB.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	90-1	53.94	53.03	54.25	53.74	1.18	ppb
Zirconium	91-1	53.85	52.48	53.38	53.23	1.31	ppb

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	CCV50	Instrumnet Name :	P8
Client Sample ID :	CCV50	Dilution Factor :	1
Date & Time Acquired ::	2019-01-21 13:39:15	DataFile Name :	018CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	53508.41	52618.64	52097.01	52741.35	1.35	ppb
Antimony	121-1	532.40	549.27	527.05	536.24	2.16	ppb
Arsenic	75-2	508.74	505.49	507.57	507.27	0.32	ppb
Barium	135-1	2636.25	2698.74	2644.34	2659.78	1.28	ppb
Barium	137-1	2695.22	2748.43	2652.39	2698.68	1.78	ppb
Beryllium	9-1	553.99	557.13	538.43	549.85	1.82	ppb
Bismuth	209-1				85		%
Bismuth	209-2				84		%
Boron	10-1	537.38	560.85	542.50	546.91	2.26	ppb
Boron	11-1	547.64	556.13	548.45	550.74	0.85	ppb
Cadmium	111-1	530.87	536.22	521.95	529.68	1.36	ppb
Cadmium	106-1	531.26	543.86	529.22	534.78	1.48	ppb
Cadmium	108-1	546.79	528.85	527.70	534.45	2.00	ppb
Calcium	43-1	250954.71	253981.47	246285.83	250407.34	1.55	ppb
Calcium	44-1	251132.54	252491.80	244764.36	249462.90	1.65	ppb
Chromium	52-2	517.21	512.93	502.53	510.89	1.48	ppb
Cobalt	59-2	495.49	491.64	484.38	490.50	1.15	ppb
Copper	63-2	977.73	958.90	939.23	958.62	2.01	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				93		%
Holmium	165-2				92		%
Indium	115-1				92		%
Indium	115-2				91		%
Iron	56-2	125833.74	124028.58	122330.04	124064.12	1.41	ppb
Iron	57-2	126029.78	124646.87	123869.82	124848.82	0.88	ppb
Krypton	83-1						cps
Lead	206-1	520.89	523.63	507.01	517.18	1.72	ppb
Lead	207-1	519.85	518.27	502.33	513.49	1.89	ppb
Lead	208-1	530.28	526.96	512.49	523.25	1.81	ppb
Lithium	6-1				78		%
Magnesium	24-2	254037.65	250473.39	246605.12	250372.05	1.48	ppb

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	CCV50	Instrumnet Name :	P8
Client Sample ID :	CCV50	Dilution Factor :	1
Date & Time Acquired ::	2019-01-21 13:39:15	DataFile Name :	018CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	1015.66	1001.22	990.19	1002.36	1.27	ppb
Molybdenum	94-1	2622.51	2689.60	2581.16	2631.09	2.08	ppb
Molybdenum	95-1	2585.93	2655.42	2551.98	2597.78	2.03	ppb
Molybdenum	96-1	2604.07	2615.85	2526.18	2582.03	1.89	ppb
Molybdenum	97-1	2606.57	2657.07	2541.32	2601.65	2.23	ppb
Molybdenum	98-1	2583.27	2625.15	2500.34	2569.59	2.47	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	505.80	501.30	489.85	498.98	1.65	ppb
Phosphorus	31-2	11314.90	10017.32	10555.66	10629.29	6.13	ppb
Potassium	39-2	127681.66	127044.99	122834.00	125853.55	2.09	ppb
Rhodium	103-1				89		%
Rhodium	103-2				90		%
Scandium	45-1				97		%
Scandium	45-2				100		%
Selenium	77-2	525.29	452.68	457.66	478.55	8.48	ppb
Selenium	78-2	506.64	474.23	523.25	501.37	4.97	ppb
Selenium	82-1	508.99	524.79	498.94	510.90	2.55	ppb
Silicon	28-1	449.89	458.26	439.66	449.27	2.07	ppb
Silver	109-1	544.45	539.91	531.82	538.72	1.19	ppb
Silver	107-1	531.36	536.01	532.90	533.42	0.44	ppb
Sodium	23-2	251745.13	247902.31	243477.53	247708.32	1.67	ppb
Strontium	86-1	522.72	534.30	500.44	519.15	3.32	ppb
Strontium	88-1	529.06	531.14	509.08	523.09	2.33	ppb
Sulfur	34-1	9329.37	9541.96	8550.73	9140.69	5.71	ppb
Terbium	159-1				92		%
Terbium	159-2				91		%
Thallium	203-1	526.72	527.31	517.12	523.72	1.09	ppb
Thallium	205-1	550.74	544.10	533.80	542.88	1.57	ppb
Tin	118-1	528.60	532.67	517.32	526.19	1.51	ppb
Titanium	47-1	2582.27	2636.13	2596.86	2605.08	1.07	ppb
Uranium	238-1	535.28	545.08	528.71	536.36	1.54	ppb
Vanadium	51-2	509.88	509.53	500.89	506.77	1.01	ppb
Yttrium	89-1				96		%
Yttrium	89-2				97		%
Zinc	66-2	981.39	978.07	960.47	973.31	1.15	ppb

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	CCV50	Instrumnet Name :	P8
Client Sample ID :	CCV50	Dilution Factor :	1
Date & Time Acquired ::	2019-01-21 13:39:15	DataFile Name :	018CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	90-1	526.90	537.07	521.69	528.56	1.48	ppb
Zirconium	91-1	511.87	517.59	502.37	510.61	1.51	ppb

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	CCB50	Instrumnet Name :	P8
Client Sample ID :	CCB50	Dilution Factor :	1
Date & Time Acquired ::	2019-01-21 13:44:48	DataFile Name :	019CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	3.81	3.46	0.63	2.63	66.34	ppb
Antimony	121-1	0.11	0.16	0.19	0.15	25.89	ppb
Arsenic	75-2	-0.02	-0.02	0.04	0.00	3375.86	ppb
Barium	135-1	0.00	-0.03	0.03	0.00	1163.84	ppb
Barium	137-1	0.03	0.05	0.07	0.05	39.86	ppb
Beryllium	9-1	0.03	0.02	0.04	0.03	38.93	ppb
Bismuth	209-1				89		%
Bismuth	209-2				90		%
Boron	10-1	3.67	3.00	3.38	3.35	9.97	ppb
Boron	11-1	3.24	3.56	3.46	3.42	4.90	ppb
Cadmium	111-1	-0.15	0.00	-0.15	-0.10		ppb
Cadmium	106-1	-1.81	-0.20	-2.26	-1.43		ppb
Cadmium	108-1	0.39	0.06	0.32	0.26	66.37	ppb
Calcium	43-1	-7.59	-3.37	-4.05	-5.00		ppb
Calcium	44-1	25.73	19.75	22.93	22.80	13.10	ppb
Chromium	52-2	0.06	0.22	0.18	0.15	52.83	ppb
Cobalt	59-2	0.01	0.00	-0.02	0.00		ppb
Copper	63-2	0.15	0.12	0.13	0.13	9.41	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				92		%
Holmium	165-2				93		%
Indium	115-1				96		%
Indium	115-2				96		%
Iron	56-2	3.26	4.03	3.30	3.53	12.36	ppb
Iron	57-2	7.54	6.44	2.63	5.53	46.58	ppb
Krypton	83-1						cps
Lead	206-1	0.22	0.19	0.18	0.20	8.88	ppb
Lead	207-1	0.21	0.19	0.13	0.18	23.75	ppb
Lead	208-1	0.21	0.19	0.18	0.19	8.96	ppb
Lithium	6-1				79		%
Magnesium	24-2	1.04	5.88	4.18	3.70	66.39	ppb

LB Number : LB100421 Operator : Jaswal
 Lab Sample ID : CCB50 Instrumnet Name : P8
 Client Sample ID : CCB50 Dilution Factor : 1
 Date & Time Acquired :: 2019-01-21 13:44:48 DataFile Name : 019CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	0.10	-0.02	0.10	0.06	114.62	ppb
Molybdenum	94-1	0.10	0.11	0.20	0.14	39.74	ppb
Molybdenum	95-1	0.11	0.14	0.14	0.13	11.06	ppb
Molybdenum	96-1	0.10	0.11	0.16	0.12	24.07	ppb
Molybdenum	97-1	0.15	0.18	0.17	0.17	10.24	ppb
Molybdenum	98-1	0.20	0.18	0.19	0.19	3.26	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.08	0.08	0.02	0.06	62.08	ppb
Phosphorus	31-2	-34.70	-22.04	-34.70	-30.48		ppb
Potassium	39-2	25.94	65.70	41.79	44.48	45.00	ppb
Rhodium	103-1				95		%
Rhodium	103-2				97		%
Scandium	45-1				97		%
Scandium	45-2				99		%
Selenium	77-2	2.54	6.34	-1.24	2.54	148.93	ppb
Selenium	78-2	-0.62	0.01	1.88	0.42	307.72	ppb
Selenium	82-1	0.19	-0.41	0.24	0.00	12197.46	ppb
Silicon	28-1	-9.37	-10.56	-10.14	-10.02		ppb
Silver	109-1	0.06	0.07	0.04	0.06	23.96	ppb
Silver	107-1	0.06	0.07	0.07	0.06	12.34	ppb
Sodium	23-2	87.15	99.13	96.92	94.40	6.75	ppb
Strontium	86-1	-0.03	-0.09	-0.03	-0.05		ppb
Strontium	88-1	0.00	0.01	0.01	0.01	60.36	ppb
Sulfur	34-1	-4854.70	-5130.67	-4746.55	-4910.64		ppb
Terbium	159-1				92		%
Terbium	159-2				93		%
Thallium	203-1	0.02	0.04	0.04	0.03	38.90	ppb
Thallium	205-1	0.02	0.04	0.04	0.03	42.55	ppb
Tin	118-1	0.00	0.04	0.02	0.02	95.05	ppb
Titanium	47-1	0.06	0.11	0.06	0.08	33.72	ppb
Uranium	238-1	0.01	0.01	0.01	0.01	16.58	ppb
Vanadium	51-2	-0.01	0.01	0.01	0.01	200.12	ppb
Yttrium	89-1				96		%
Yttrium	89-2				99		%
Zinc	66-2	-0.04	0.00	0.13	0.03	330.33	ppb

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	CCB50	Instrumnet Name :	P8
Client Sample ID :	CCB50	Dilution Factor :	1
Date & Time Acquired ::	2019-01-21 13:44:48	DataFile Name :	019CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	90-1	0.01	0.01	0.02	0.01	57.50	ppb
Zirconium	91-1	-0.01	0.00	0.04	0.01	273.47	ppb

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	CRI	Instrumnet Name :	P8
Client Sample ID :	CRI	Dilution Factor :	1
Date & Time Acquired ::	2019-01-21 13:48:23	DataFile Name :	020LLCC.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	20.61	14.09	19.91	18.20	19.67	ppb
Antimony	121-1	1.99	2.01	1.85	1.95	4.36	ppb
Arsenic	75-2	0.89	0.97	0.96	0.94	5.03	ppb
Barium	135-1	9.90	9.97	10.07	9.98	0.86	ppb
Barium	137-1	9.56	10.16	9.32	9.68	4.43	ppb
Beryllium	9-1	1.03	1.04	0.99	1.02	2.41	ppb
Bismuth	209-1				89		%
Bismuth	209-2				89		%
Boron	10-1	26.71	23.40	25.12	25.07	6.59	ppb
Boron	11-1	26.23	27.64	26.93	26.93	2.62	ppb
Cadmium	111-1	0.92	0.88	1.16	0.99	15.32	ppb
Cadmium	106-1	-0.52	0.96	2.22	0.89	154.12	ppb
Cadmium	108-1	0.77	1.54	1.24	1.18	32.99	ppb
Calcium	43-1	467.81	483.81	467.90	473.17	1.95	ppb
Calcium	44-1	505.26	505.52	496.12	502.30	1.07	ppb
Chromium	52-2	2.25	1.91	2.39	2.19	11.28	ppb
Cobalt	59-2	1.05	0.90	0.96	0.97	7.74	ppb
Copper	63-2	1.95	1.86	2.01	1.94	4.00	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				93		%
Holmium	165-2				92		%
Indium	115-1				96		%
Indium	115-2				96		%
Iron	56-2	55.34	52.37	54.17	53.96	2.78	ppb
Iron	57-2	52.86	46.67	66.25	55.26	18.11	ppb
Krypton	83-1						cps
Lead	206-1	1.18	1.05	0.99	1.07	9.05	ppb
Lead	207-1	1.06	0.96	1.00	1.01	4.95	ppb
Lead	208-1	1.07	1.01	1.02	1.03	3.03	ppb
Lithium	6-1				78		%
Magnesium	24-2	516.86	477.38	512.34	502.19	4.30	ppb

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	CRI	Instrumnet Name :	P8
Client Sample ID :	CRI	Dilution Factor :	1
Date & Time Acquired ::	2019-01-21 13:48:23	DataFile Name :	020LLCC.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	1.03	0.98	1.07	1.03	4.38	ppb
Molybdenum	94-1	5.17	5.19	4.76	5.04	4.74	ppb
Molybdenum	95-1	4.74	4.99	4.75	4.83	2.93	ppb
Molybdenum	96-1	5.02	4.82	5.01	4.95	2.29	ppb
Molybdenum	97-1	5.01	5.04	4.92	4.99	1.23	ppb
Molybdenum	98-1	5.14	5.00	4.63	4.93	5.35	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.94	0.98	1.00	0.97	3.44	ppb
Phosphorus	31-2	15.85	-10.50	53.54	19.63	163.98	ppb
Potassium	39-2	497.85	481.52	487.13	488.83	1.70	ppb
Rhodium	103-1				94		%
Rhodium	103-2				96		%
Scandium	45-1				98		%
Scandium	45-2				100		%
Selenium	77-2	14.07	13.93	2.57	10.19	64.80	ppb
Selenium	78-2	4.48	5.07	4.46	4.67	7.42	ppb
Selenium	82-1	4.79	5.93	5.32	5.34	10.67	ppb
Silicon	28-1	-2.29	-2.35	-3.56	-2.73		ppb
Silver	109-1	1.03	1.07	0.89	1.00	9.35	ppb
Silver	107-1	1.13	1.19	1.07	1.13	5.17	ppb
Sodium	23-2	562.44	517.80	548.68	542.97	4.21	ppb
Strontium	86-1	0.89	0.84	0.79	0.84	5.98	ppb
Strontium	88-1	0.97	0.94	0.96	0.96	1.38	ppb
Sulfur	34-1	-4534.59	-4726.51	-4945.64	-4735.58		ppb
Terbium	159-1				93		%
Terbium	159-2				92		%
Thallium	203-1	1.07	0.96	1.05	1.03	5.73	ppb
Thallium	205-1	1.00	0.97	0.99	0.99	1.67	ppb
Tin	118-1	4.82	5.09	4.87	4.93	2.92	ppb
Titanium	47-1	4.87	4.43	4.36	4.55	6.05	ppb
Uranium	238-1	0.90	0.91	0.85	0.89	3.31	ppb
Vanadium	51-2	4.91	4.80	5.27	4.99	4.95	ppb
Yttrium	89-1				97		%
Yttrium	89-2				98		%
Zinc	66-2	1.89	1.66	2.08	1.87	11.27	ppb

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	CRI	Instrumnet Name :	P8
Client Sample ID :	CRI	Dilution Factor :	1
Date & Time Acquired ::	2019-01-21 13:48:23	DataFile Name :	020LLCC.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	90-1	0.95	0.97	0.95	0.96	0.80	ppb
Zirconium	91-1	0.96	0.85	1.11	0.98	13.49	ppb

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	K1089-02	Instrumnet Name :	P8
Client Sample ID :	D-01082019-01-FF	Dilution Factor :	1
Date & Time Acquired ::	2019-01-21 13:51:58	DataFile Name :	021SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	6.42	5.14	5.72	5.76	11.11	ppb
Antimony	121-1	0.12	0.12	0.16	0.13	16.92	ppb
Arsenic	75-2	0.63	0.56	0.48	0.56	13.25	ppb
Barium	135-1	189.46	188.96	198.07	192.17	2.67	ppb
Barium	137-1	187.36	191.12	202.48	193.65	4.06	ppb
Beryllium	9-1	0.03	0.02	0.02	0.03	30.20	ppb
Bismuth	209-1				83		%
Bismuth	209-2				86		%
Boron	10-1	54.46	56.70	63.31	58.16	7.91	ppb
Boron	11-1	57.38	57.00	61.85	58.74	4.59	ppb
Cadmium	111-1	0.16	0.25	0.18	0.20	25.16	ppb
Cadmium	106-1	-1.32	-0.52	-0.90	-0.91		ppb
Cadmium	108-1	0.20	0.33	0.28	0.27	25.08	ppb
Calcium	43-1	98683.70	99332.14	105610.09	101208.64	3.78	ppb
Calcium	44-1	98582.46	98024.34	104332.62	100313.14	3.48	ppb
Chromium	52-2	2549.91	2490.22	2500.95	2513.69	1.27	ppb
Cobalt	59-2	0.34	0.33	0.35	0.34	3.50	ppb
Copper	63-2	1.34	1.27	1.27	1.29	3.07	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				89		%
Holmium	165-2				91		%
Indium	115-1				91		%
Indium	115-2				95		%
Iron	56-2	4.06	3.76	3.56	3.79	6.67	ppb
Iron	57-2	7.36	2.12	2.83	4.10	69.30	ppb
Krypton	83-1						cps
Lead	206-1	0.25	0.18	0.19	0.20	20.07	ppb
Lead	207-1	0.13	0.15	0.10	0.13	19.87	ppb
Lead	208-1	0.17	0.17	0.15	0.16	7.20	ppb
Lithium	6-1				74		%
Magnesium	24-2	19094.11	18457.07	18290.02	18613.73	2.28	ppb

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	K1089-02	Instrumnet Name :	P8
Client Sample ID :	D-01082019-01-FF	Dilution Factor :	1
Date & Time Acquired ::	2019-01-21 13:51:58	DataFile Name :	021SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	474.98	455.50	452.97	461.15	2.61	ppb
Molybdenum	94-1	0.33	0.43	0.52	0.43	23.14	ppb
Molybdenum	95-1	0.45	0.47	0.56	0.49	12.27	ppb
Molybdenum	96-1	0.45	0.50	0.56	0.50	10.38	ppb
Molybdenum	97-1	0.41	0.47	0.58	0.49	17.98	ppb
Molybdenum	98-1	0.49	0.47	0.52	0.49	5.73	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	1.88	1.70	1.71	1.76	5.77	ppb
Phosphorus	31-2	-21.89	-9.80	-9.88	-13.86		ppb
Potassium	39-2	1569.48	1551.02	1506.98	1542.49	2.08	ppb
Rhodium	103-1				88		%
Rhodium	103-2				93		%
Scandium	45-1				94		%
Scandium	45-2				99		%
Selenium	77-2	-1.24	-1.24	-1.24	-1.24		ppb
Selenium	78-2	2.01	3.83	2.50	2.78	33.84	ppb
Selenium	82-1	3.06	2.22	2.39	2.56	17.27	ppb
Silicon	28-1	5673.23	5677.11	6068.56	5806.30	3.91	ppb
Silver	109-1	0.08	0.13	0.11	0.10	20.74	ppb
Silver	107-1	0.08	0.12	0.11	0.10	18.38	ppb
Sodium	23-2	79568.91	77293.09	77769.01	78210.33	1.53	ppb
Strontium	86-1	153.68	155.46	163.62	157.59	3.36	ppb
Strontium	88-1	160.13	158.97	166.90	162.00	2.64	ppb
Sulfur	34-1	6459.93	6111.91	7801.61	6791.15	13.14	ppb
Terbium	159-1				88		%
Terbium	159-2				92		%
Thallium	203-1	0.00	-0.01	0.00	0.00		ppb
Thallium	205-1	0.01	0.00	0.01	0.01	80.80	ppb
Tin	118-1	0.03	0.04	0.06	0.04	37.61	ppb
Titanium	47-1	0.16	0.32	0.44	0.31	44.84	ppb
Uranium	238-1	0.40	0.40	0.35	0.38	7.52	ppb
Vanadium	51-2	1.03	1.06	0.86	0.98	10.49	ppb
Yttrium	89-1				93		%
Yttrium	89-2				97		%
Zinc	66-2	8.73	8.73	8.85	8.77	0.80	ppb

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	K1089-02	Instrumnet Name :	P8
Client Sample ID :	D-01082019-01-FF	Dilution Factor :	1
Date & Time Acquired ::	2019-01-21 13:51:58	DataFile Name :	021SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	90-1	0.05	0.04	0.04	0.04	6.11	ppb
Zirconium	91-1	0.05	0.01	0.00	0.02	129.50	ppb

LB Number : LB100421 Operator : Jaswal
 Lab Sample ID : K1089-02DUP Instrumnet Name : P8
 Client Sample ID : D-01082019-01-FFDUP Dilution Factor : 1
 Date & Time Acquired :: 2019-01-21 13:55:30 DataFile Name : 022SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	9.74	7.73	5.66	7.71	26.40	ppb
Antimony	121-1	0.10	0.14	0.10	0.11	18.98	ppb
Arsenic	75-2	0.52	0.55	0.53	0.53	3.12	ppb
Barium	135-1	196.14	186.51	190.53	191.06	2.53	ppb
Barium	137-1	195.43	189.95	191.63	192.34	1.46	ppb
Beryllium	9-1	0.04	0.00	0.03	0.02	95.02	ppb
Bismuth	209-1				84		%
Bismuth	209-2				85		%
Boron	10-1	56.58	54.86	58.63	56.69	3.33	ppb
Boron	11-1	55.30	57.21	60.43	57.65	4.50	ppb
Cadmium	111-1	0.23	0.14	0.08	0.15	51.24	ppb
Cadmium	106-1	0.55	-1.12	-1.51	-0.70		ppb
Cadmium	108-1	0.34	0.39	0.53	0.42	24.11	ppb
Calcium	43-1	102736.37	98903.75	98192.80	99944.31	2.45	ppb
Calcium	44-1	101304.21	97475.36	99117.98	99299.18	1.93	ppb
Chromium	52-2	2567.75	2590.08	2542.39	2566.74	0.93	ppb
Cobalt	59-2	0.36	0.40	0.35	0.37	7.64	ppb
Copper	63-2	1.45	1.37	1.41	1.41	2.82	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				90		%
Holmium	165-2				90		%
Indium	115-1				93		%
Indium	115-2				92		%
Iron	56-2	5.31	3.81	3.84	4.32	19.87	ppb
Iron	57-2	3.63	7.79	3.80	5.07	46.35	ppb
Krypton	83-1						cps
Lead	206-1	0.16	0.13	0.13	0.14	13.71	ppb
Lead	207-1	0.13	0.12	0.12	0.12	6.27	ppb
Lead	208-1	0.14	0.11	0.12	0.13	12.38	ppb
Lithium	6-1				75		%
Magnesium	24-2	18873.19	19007.84	18594.87	18825.30	1.12	ppb

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	K1089-02DUP	Instrumnet Name :	P8
Client Sample ID :	D-01082019-01-FFDUP	Dilution Factor :	1
Date & Time Acquired ::	2019-01-21 13:55:30	DataFile Name :	022SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	475.47	469.30	465.32	470.03	1.09	ppb
Molybdenum	94-1	0.41	0.43	0.44	0.43	3.60	ppb
Molybdenum	95-1	0.50	0.47	0.45	0.48	5.57	ppb
Molybdenum	96-1	0.41	0.55	0.55	0.51	15.82	ppb
Molybdenum	97-1	0.48	0.53	0.57	0.53	8.15	ppb
Molybdenum	98-1	0.48	0.48	0.49	0.48	1.29	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	1.80	1.85	1.65	1.76	5.87	ppb
Phosphorus	31-2	-8.81	-21.85	-22.02	-17.56		ppb
Potassium	39-2	1567.02	1623.25	1511.49	1567.25	3.57	ppb
Rhodium	103-1				89		%
Rhodium	103-2				91		%
Scandium	45-1				95		%
Scandium	45-2				97		%
Selenium	77-2	-1.24	2.62	-1.24	0.05	4789.15	ppb
Selenium	78-2	1.32	0.67	2.64	1.54	65.26	ppb
Selenium	82-1	1.92	2.39	2.43	2.25	12.51	ppb
Silicon	28-1	5871.98	5656.52	5688.94	5739.15	2.02	ppb
Silver	109-1	0.07	0.07	0.08	0.07	4.45	ppb
Silver	107-1	0.10	0.08	0.09	0.09	15.13	ppb
Sodium	23-2	79442.63	80461.42	78359.38	79421.14	1.32	ppb
Strontium	86-1	160.21	155.46	158.14	157.94	1.51	ppb
Strontium	88-1	163.18	160.49	162.26	161.98	0.84	ppb
Sulfur	34-1	8012.99	6734.97	6425.76	7057.91	11.92	ppb
Terbium	159-1				89		%
Terbium	159-2				89		%
Thallium	203-1	-0.01	0.01	0.01	0.00	447.35	ppb
Thallium	205-1	0.01	0.00	0.00	0.00	106.95	ppb
Tin	118-1	0.01	0.04	0.03	0.03	42.06	ppb
Titanium	47-1	0.32	0.29	0.24	0.28	15.62	ppb
Uranium	238-1	0.38	0.40	0.38	0.38	2.59	ppb
Vanadium	51-2	1.18	1.10	1.04	1.11	6.28	ppb
Yttrium	89-1				93		%
Yttrium	89-2				96		%
Zinc	66-2	8.62	9.28	9.85	9.25	6.67	ppb

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	K1089-02DUP	Instrumnet Name :	P8
Client Sample ID :	D-01082019-01-FFDUP	Dilution Factor :	1
Date & Time Acquired ::	2019-01-21 13:55:30	DataFile Name :	022SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	90-1	0.03	0.03	0.04	0.03	7.28	ppb
Zirconium	91-1	0.02	0.03	0.02	0.02	24.50	ppb

LB Number : LB100421 Operator : Jaswal
 Lab Sample ID : K1089-02LX5 Instrumnet Name : P8
 Client Sample ID : D-01082019-01-FFL Dilution Factor : 5
 Date & Time Acquired :: 2019-01-21 13:59:01 DataFile Name : 023SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	3.01	0.08	0.61	1.23	126.68	ppb
Antimony	121-1	0.04	0.03	0.03	0.03	16.03	ppb
Arsenic	75-2	0.13	0.14	0.12	0.13	7.78	ppb
Barium	135-1	36.87	36.11	36.38	36.45	1.05	ppb
Barium	137-1	37.41	36.65	36.92	36.99	1.05	ppb
Beryllium	9-1	0.02	0.02	0.01	0.02	30.24	ppb
Bismuth	209-1				91		%
Bismuth	209-2				92		%
Boron	10-1	13.30	13.30	14.34	13.65	4.39	ppb
Boron	11-1	11.94	12.43	12.69	12.35	3.08	ppb
Cadmium	111-1	0.05	0.10	0.01	0.05	89.84	ppb
Cadmium	106-1	-0.12	0.72	-0.96	-0.12		ppb
Cadmium	108-1	0.12	0.12	0.19	0.14	25.37	ppb
Calcium	43-1	19323.79	19441.22	19608.96	19457.99	0.74	ppb
Calcium	44-1	19526.22	19767.55	19475.18	19589.65	0.80	ppb
Chromium	52-2	489.06	488.67	485.33	487.68	0.42	ppb
Cobalt	59-2	0.06	0.06	0.11	0.07	39.86	ppb
Copper	63-2	0.35	0.24	0.34	0.31	19.00	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				96		%
Holmium	165-2				96		%
Indium	115-1				99		%
Indium	115-2				99		%
Iron	56-2	1.30	1.43	1.50	1.41	7.34	ppb
Iron	57-2	0.76	0.82	0.74	0.77	5.51	ppb
Krypton	83-1						cps
Lead	206-1	0.07	0.04	0.09	0.07	39.56	ppb
Lead	207-1	0.06	0.06	0.04	0.05	26.29	ppb
Lead	208-1	0.06	0.07	0.07	0.07	4.82	ppb
Lithium	6-1				81		%
Magnesium	24-2	3769.74	3715.70	3655.41	3713.62	1.54	ppb

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	K1089-02LX5	Instrumnet Name :	P8
Client Sample ID :	D-01082019-01-FFL	Dilution Factor :	5
Date & Time Acquired ::	2019-01-21 13:59:01	DataFile Name :	023SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	90.80	93.62	89.85	91.42	2.15	ppb
Molybdenum	94-1	0.09	0.07	0.05	0.07	24.78	ppb
Molybdenum	95-1	0.11	0.10	0.10	0.10	9.31	ppb
Molybdenum	96-1	0.08	0.08	0.13	0.10	29.63	ppb
Molybdenum	97-1	0.11	0.06	0.05	0.07	47.41	ppb
Molybdenum	98-1	0.12	0.08	0.10	0.10	16.76	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.40	0.37	0.37	0.38	4.88	ppb
Phosphorus	31-2	-22.64	-22.54	1.38	-14.60		ppb
Potassium	39-2	316.18	336.26	318.75	323.73	3.38	ppb
Rhodium	103-1				96		%
Rhodium	103-2				98		%
Scandium	45-1				101		%
Scandium	45-2				103		%
Selenium	77-2	-1.24	2.47	2.41	1.21	175.24	ppb
Selenium	78-2	1.21	0.00	-0.62	0.19	478.94	ppb
Selenium	82-1	0.06	0.27	0.68	0.34	93.26	ppb
Silicon	28-1	1115.45	1136.59	1126.81	1126.28	0.94	ppb
Silver	109-1	0.03	0.03	0.02	0.03	20.45	ppb
Silver	107-1	0.03	0.02	0.03	0.03	31.13	ppb
Sodium	23-2	15903.94	15862.44	15523.78	15763.38	1.32	ppb
Strontium	86-1	30.15	30.63	29.63	30.14	1.66	ppb
Strontium	88-1	30.10	29.85	30.40	30.11	0.92	ppb
Sulfur	34-1	-1183.01	-942.43	-774.10	-966.52		ppb
Terbium	159-1				96		%
Terbium	159-2				95		%
Thallium	203-1	0.01	-0.01	0.01	0.00	345.33	ppb
Thallium	205-1	0.01	0.00	0.00	0.00	332.65	ppb
Tin	118-1	-0.03	-0.03	-0.01	-0.02		ppb
Titanium	47-1	0.07	0.11	0.08	0.09	23.61	ppb
Uranium	238-1	0.07	0.06	0.07	0.07	10.45	ppb
Vanadium	51-2	0.17	0.17	0.28	0.21	32.89	ppb
Yttrium	89-1				100		%
Yttrium	89-2				101		%
Zinc	66-2	1.74	1.94	2.13	1.94	10.11	ppb

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	K1089-02LX5	Instrumnet Name :	P8
Client Sample ID :	D-01082019-01-FFL	Dilution Factor :	5
Date & Time Acquired ::	2019-01-21 13:59:01	DataFile Name :	023SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	90-1	0.01	0.01	0.00	0.01	80.46	ppb
Zirconium	91-1	-0.01	-0.01	-0.01	-0.01		ppb

LB Number : LB100421 Operator : Jaswal
 Lab Sample ID : K1089-02MS Instrumnet Name : P8
 Client Sample ID : D-01082019-01-FFMS Dilution Factor : 1
 Date & Time Acquired :: 2019-01-21 14:02:35 DataFile Name : 024SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	9209.55	8965.07	9125.71	9100.11	1.37	ppb
Antimony	121-1	503.99	510.42	499.62	504.68	1.08	ppb
Arsenic	75-2	485.64	487.56	478.01	483.73	1.04	ppb
Barium	135-1	2736.38	2732.80	2698.20	2722.46	0.77	ppb
Barium	137-1	2747.96	2725.61	2704.72	2726.10	0.79	ppb
Beryllium	9-1	420.11	406.86	399.65	408.87	2.54	ppb
Bismuth	209-1				79		%
Bismuth	209-2				72		%
Boron	10-1	457.99	460.99	459.27	459.42	0.33	ppb
Boron	11-1	462.85	449.65	449.60	454.03	1.68	ppb
Cadmium	111-1	492.41	489.24	490.93	490.86	0.32	ppb
Cadmium	106-1	492.80	496.35	497.20	495.45	0.47	ppb
Cadmium	108-1	478.43	479.72	480.58	479.57	0.23	ppb
Calcium	43-1	150973.68	150273.35	145789.30	149012.11	1.89	ppb
Calcium	44-1	150203.76	148058.32	147413.91	148558.66	0.98	ppb
Chromium	52-2	3071.03	3033.19	3082.09	3062.10	0.84	ppb
Cobalt	59-2	508.35	500.17	505.53	504.68	0.82	ppb
Copper	63-2	1053.46	1040.34	1062.53	1052.11	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				86		%
Holmium	165-2				77		%
Indium	115-1				86		%
Indium	115-2				73		%
Iron	56-2	25704.55	25339.22	25538.58	25527.45	0.72	ppb
Iron	57-2	25307.23	24938.92	25030.39	25092.18	0.76	ppb
Krypton	83-1						cps
Lead	206-1	508.65	511.67	508.29	509.53	0.36	ppb
Lead	207-1	484.44	490.83	487.82	487.69	0.65	ppb
Lead	208-1	493.07	508.42	506.38	502.62	1.66	ppb
Lithium	6-1				68		%
Magnesium	24-2	69702.15	68989.69	69475.34	69389.06	0.52	ppb

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	K1089-02MS	Instrumnet Name :	P8
Client Sample ID :	D-01082019-01-FFMS	Dilution Factor :	1
Date & Time Acquired ::	2019-01-21 14:02:35	DataFile Name :	024SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	1457.64	1424.70	1426.04	1436.13	1.30	ppb
Molybdenum	94-1	2599.68	2527.23	2596.73	2574.55	1.59	ppb
Molybdenum	95-1	2569.38	2580.42	2537.24	2562.35	0.88	ppb
Molybdenum	96-1	2549.95	2533.69	2566.01	2549.88	0.63	ppb
Molybdenum	97-1	2607.09	2559.39	2586.77	2584.42	0.93	ppb
Molybdenum	98-1	2563.98	2512.78	2551.44	2542.73	1.05	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	518.67	511.34	516.67	515.56	0.74	ppb
Phosphorus	31-2	-18.38	13.70	-2.75	-2.48		ppb
Potassium	39-2	25116.34	24510.11	24598.16	24741.54	1.32	ppb
Rhodium	103-1				79		%
Rhodium	103-2				78		%
Scandium	45-1				79		%
Scandium	45-2				77		%
Selenium	77-2	407.65	459.67	469.28	445.53	7.44	ppb
Selenium	78-2	479.69	479.44	486.03	481.72	0.78	ppb
Selenium	82-1	491.64	496.98	498.02	495.55	0.69	ppb
Silicon	28-1	5519.36	5408.82	5246.90	5391.69	2.54	ppb
Silver	109-1	504.58	511.09	502.53	506.07	0.88	ppb
Silver	107-1	502.87	505.08	496.01	501.32	0.94	ppb
Sodium	23-2	130025.94	126946.19	129238.22	128736.78	1.24	ppb
Strontium	86-1	660.03	659.99	664.46	661.49	0.39	ppb
Strontium	88-1	662.98	657.32	663.51	661.27	0.52	ppb
Sulfur	34-1	4785.43	3496.14	2407.15	3562.91	33.42	ppb
Terbium	159-1				85		%
Terbium	159-2				76		%
Thallium	203-1	510.97	523.09	512.83	515.63	1.27	ppb
Thallium	205-1	532.49	535.61	529.62	532.57	0.56	ppb
Tin	118-1	474.90	473.92	472.30	473.71	0.28	ppb
Titanium	47-1	2573.60	2557.96	2537.46	2556.34	0.71	ppb
Uranium	238-1	532.08	545.91	531.67	536.55	1.51	ppb
Vanadium	51-2	498.32	495.57	500.71	498.20	0.52	ppb
Yttrium	89-1				84		%
Yttrium	89-2				75		%
Zinc	66-2	992.55	971.24	997.74	987.18	1.42	ppb

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	K1089-02MS	Instrumnet Name :	P8
Client Sample ID :	D-01082019-01-FFMS	Dilution Factor :	1
Date & Time Acquired ::	2019-01-21 14:02:35	DataFile Name :	024SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	90-1	527.17	522.75	526.08	525.34	0.44	ppb
Zirconium	91-1	508.41	498.73	505.33	504.16	0.98	ppb

LB Number : LB100421 Operator : Jaswal
 Lab Sample ID : K1089-02MSD Instrumnet Name : P8
 Client Sample ID : D-01082019-01-FFMSD Dilution Factor : 1
 Date & Time Acquired :: 2019-01-21 14:06:02 DataFile Name : 025SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	9338.54	9498.63	9064.40	9300.52	2.36	ppb
Antimony	121-1	493.76	493.13	490.35	492.41	0.37	ppb
Arsenic	75-2	496.99	493.60	506.73	499.11	1.37	ppb
Barium	135-1	2688.62	2683.47	2668.48	2680.19	0.39	ppb
Barium	137-1	2706.09	2711.24	2699.92	2705.75	0.21	ppb
Beryllium	9-1	437.32	431.77	432.67	433.92	0.69	ppb
Bismuth	209-1				94		%
Bismuth	209-2				84		%
Boron	10-1	459.45	479.92	489.96	476.44	3.26	ppb
Boron	11-1	447.84	461.73	471.09	460.22	2.54	ppb
Cadmium	111-1	481.53	482.74	472.86	479.04	1.12	ppb
Cadmium	106-1	478.83	486.29	471.65	478.92	1.53	ppb
Cadmium	108-1	463.77	480.19	470.96	471.64	1.75	ppb
Calcium	43-1	151507.22	150704.22	154036.39	152082.61	1.14	ppb
Calcium	44-1	150736.47	150773.14	152125.23	151211.61	0.52	ppb
Chromium	52-2	3248.70	3286.00	3134.52	3223.07	2.45	ppb
Cobalt	59-2	543.38	555.32	530.78	543.16	2.26	ppb
Copper	63-2	1136.88	1156.76	1122.62	1138.76	1.51	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				100		%
Holmium	165-2				87		%
Indium	115-1				91		%
Indium	115-2				78		%
Iron	56-2	27081.42	27568.03	26412.29	27020.58	2.15	ppb
Iron	57-2	26435.79	26934.64	26112.25	26494.23	1.56	ppb
Krypton	83-1						cps
Lead	206-1	525.82	530.36	521.88	526.02	0.81	ppb
Lead	207-1	508.69	506.43	505.34	506.82	0.34	ppb
Lead	208-1	528.74	533.40	527.02	529.72	0.62	ppb
Lithium	6-1				68		%
Magnesium	24-2	71641.75	72393.56	69027.60	71020.97	2.49	ppb

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	K1089-02MSD	Instrumnet Name :	P8
Client Sample ID :	D-01082019-01-FFMSD	Dilution Factor :	1
Date & Time Acquired ::	2019-01-21 14:06:02	DataFile Name :	025SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	1522.58	1550.71	1477.81	1517.04	2.42	ppb
Molybdenum	94-1	2661.51	2644.11	2690.13	2665.25	0.87	ppb
Molybdenum	95-1	2638.20	2644.06	2637.81	2640.02	0.13	ppb
Molybdenum	96-1	2641.61	2654.39	2618.87	2638.29	0.68	ppb
Molybdenum	97-1	2663.39	2690.18	2676.67	2676.75	0.50	ppb
Molybdenum	98-1	2626.75	2642.13	2651.32	2640.07	0.47	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	553.87	564.62	540.01	552.83	2.23	ppb
Phosphorus	31-2	45.50	-2.08	-19.02	8.14	411.12	ppb
Potassium	39-2	25501.45	25518.70	24752.46	25257.54	1.73	ppb
Rhodium	103-1				86		%
Rhodium	103-2				84		%
Scandium	45-1				80		%
Scandium	45-2				78		%
Selenium	77-2	446.12	482.49	474.75	467.79	4.10	ppb
Selenium	78-2	463.96	497.94	454.11	472.00	4.87	ppb
Selenium	82-1	509.61	500.72	508.65	506.33	0.96	ppb
Silicon	28-1	5299.05	5314.48	5475.04	5362.85	1.82	ppb
Silver	109-1	490.30	500.31	488.01	492.87	1.33	ppb
Silver	107-1	484.51	486.78	475.56	482.28	1.23	ppb
Sodium	23-2	132288.61	134854.93	128731.28	131958.27	2.33	ppb
Strontium	86-1	668.21	673.20	675.28	672.23	0.54	ppb
Strontium	88-1	672.66	676.15	683.14	677.32	0.79	ppb
Sulfur	34-1	1586.25	1191.01	1714.68	1497.31	18.23	ppb
Terbium	159-1				98		%
Terbium	159-2				86		%
Thallium	203-1	532.81	538.60	531.00	534.14	0.74	ppb
Thallium	205-1	551.68	550.41	539.42	547.17	1.23	ppb
Tin	118-1	457.40	466.33	455.80	459.84	1.23	ppb
Titanium	47-1	2606.70	2591.67	2621.15	2606.51	0.57	ppb
Uranium	238-1	552.10	559.98	566.56	559.55	1.29	ppb
Vanadium	51-2	529.22	543.88	513.54	528.88	2.87	ppb
Yttrium	89-1				90		%
Yttrium	89-2				79		%
Zinc	66-2	1061.86	1079.44	1043.35	1061.55	1.70	ppb

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	K1089-02MSD	Instrumnet Name :	P8
Client Sample ID :	D-01082019-01-FFMSD	Dilution Factor :	1
Date & Time Acquired ::	2019-01-21 14:06:02	DataFile Name :	025SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	90-1	534.51	537.01	531.96	534.49	0.47	ppb
Zirconium	91-1	519.42	519.50	519.42	519.45	0.01	ppb

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	K1089-02A	Instrumnet Name :	P8
Client Sample ID :	D-01082019-01-FFA	Dilution Factor :	1
Date & Time Acquired ::	2019-01-21 14:09:28	DataFile Name :	026SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	8830.61	8990.77	9000.83	8940.74	1.07	ppb
Antimony	121-1	482.43	482.09	479.01	481.18	0.39	ppb
Arsenic	75-2	488.57	483.50	481.43	484.50	0.76	ppb
Barium	135-1	2663.50	2634.21	2607.18	2634.96	1.07	ppb
Barium	137-1	2657.11	2627.32	2619.29	2634.57	0.76	ppb
Beryllium	9-1	446.17	454.23	450.27	450.22	0.90	ppb
Bismuth	209-1				104		%
Bismuth	209-2				86		%
Boron	10-1	483.58	497.61	495.39	492.20	1.53	ppb
Boron	11-1	468.23	479.00	480.08	475.77	1.38	ppb
Cadmium	111-1	462.17	461.63	458.50	460.77	0.43	ppb
Cadmium	106-1	456.75	447.59	439.93	448.09	1.88	ppb
Cadmium	108-1	445.81	458.04	450.74	451.53	1.36	ppb
Calcium	43-1	149906.33	149953.15	150710.74	150190.07	0.30	ppb
Calcium	44-1	149438.78	147781.22	150685.05	149301.68	0.98	ppb
Chromium	52-2	3167.73	3213.45	3209.49	3196.89	0.79	ppb
Cobalt	59-2	527.63	538.63	540.37	535.54	1.29	ppb
Copper	63-2	1118.62	1139.46	1133.41	1130.50	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				106		%
Holmium	165-2				89		%
Indium	115-1				94		%
Indium	115-2				77		%
Iron	56-2	26678.82	26736.35	26789.24	26734.81	0.21	ppb
Iron	57-2	26406.89	26225.04	26387.53	26339.82	0.38	ppb
Krypton	83-1						cps
Lead	206-1	511.48	505.57	504.70	507.25	0.73	ppb
Lead	207-1	487.21	484.22	483.78	485.07	0.39	ppb
Lead	208-1	512.30	505.23	508.02	508.52	0.70	ppb
Lithium	6-1				64		%
Magnesium	24-2	69290.77	69752.09	69889.41	69644.09	0.45	ppb

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	K1089-02A	Instrumnet Name :	P8
Client Sample ID :	D-01082019-01-FFA	Dilution Factor :	1
Date & Time Acquired ::	2019-01-21 14:09:28	DataFile Name :	026SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	1472.77	1481.71	1467.82	1474.10	0.48	ppb
Molybdenum	94-1	2666.70	2636.47	2635.26	2646.14	0.67	ppb
Molybdenum	95-1	2639.01	2615.72	2640.48	2631.74	0.53	ppb
Molybdenum	96-1	2634.71	2585.13	2640.74	2620.19	1.16	ppb
Molybdenum	97-1	2636.53	2631.70	2693.69	2653.97	1.30	ppb
Molybdenum	98-1	2625.29	2623.50	2640.33	2629.71	0.35	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	545.77	551.35	558.77	551.96	1.18	ppb
Phosphorus	31-2	-18.64	-2.02	-18.26	-12.97		ppb
Potassium	39-2	24120.04	24655.36	24520.93	24432.11	1.14	ppb
Rhodium	103-1				87		%
Rhodium	103-2				85		%
Scandium	45-1				80		%
Scandium	45-2				76		%
Selenium	77-2	511.99	498.69	450.88	487.19	6.60	ppb
Selenium	78-2	470.19	480.39	432.61	461.07	5.46	ppb
Selenium	82-1	495.24	495.18	498.12	496.18	0.34	ppb
Silicon	28-1	5213.41	5216.45	5298.02	5242.63	0.92	ppb
Silver	109-1	473.54	477.27	472.20	474.34	0.55	ppb
Silver	107-1	466.21	470.78	461.97	466.32	0.94	ppb
Sodium	23-2	129201.98	130418.81	130341.60	129987.46	0.52	ppb
Strontium	86-1	659.18	657.99	668.49	661.89	0.87	ppb
Strontium	88-1	661.85	666.15	672.05	666.68	0.77	ppb
Sulfur	34-1	750.15	727.86	836.92	771.65	7.47	ppb
Terbium	159-1				103		%
Terbium	159-2				87		%
Thallium	203-1	515.53	504.40	510.00	509.98	1.09	ppb
Thallium	205-1	535.18	527.32	527.72	530.08	0.84	ppb
Tin	118-1	444.00	448.69	446.47	446.39	0.53	ppb
Titanium	47-1	2518.45	2518.03	2623.38	2553.29	2.38	ppb
Uranium	238-1	554.48	535.54	546.33	545.45	1.74	ppb
Vanadium	51-2	514.60	522.35	522.19	519.71	0.85	ppb
Yttrium	89-1				90		%
Yttrium	89-2				79		%
Zinc	66-2	1032.61	1056.53	1037.61	1042.25	1.21	ppb

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	K1089-02A	Instrumnet Name :	P8
Client Sample ID :	D-01082019-01-FFA	Dilution Factor :	1
Date & Time Acquired ::	2019-01-21 14:09:28	DataFile Name :	026SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	90-1	535.44	532.72	535.66	534.61	0.31	ppb
Zirconium	91-1	518.45	515.55	519.15	517.72	0.37	ppb

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	K1089-02DLX5	Instrumnet Name :	P8
Client Sample ID :	D-01082019-01-FFDL	Dilution Factor :	5
Date & Time Acquired ::	2019-01-21 14:12:53	DataFile Name :	027SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	2.04	2.63	-0.11	1.52	95.14	ppb
Antimony	121-1	0.13	0.11	0.12	0.12	5.42	ppb
Arsenic	75-2	0.15	0.14	0.17	0.15	9.71	ppb
Barium	135-1	34.37	36.52	36.47	35.79	3.43	ppb
Barium	137-1	33.85	35.53	35.14	34.84	2.52	ppb
Beryllium	9-1	0.06	0.13	0.10	0.10	36.43	ppb
Bismuth	209-1				117		%
Bismuth	209-2				101		%
Boron	10-1	24.15	22.75	19.07	21.99	11.93	ppb
Boron	11-1	20.14	21.01	19.70	20.28	3.30	ppb
Cadmium	111-1	-0.11	-0.03	-0.04	-0.06		ppb
Cadmium	106-1	-2.15	-1.13	-1.49	-1.59		ppb
Cadmium	108-1	0.21	0.05	0.11	0.12	63.69	ppb
Calcium	43-1	19285.88	19703.55	19068.81	19352.75	1.67	ppb
Calcium	44-1	19697.52	19860.71	19505.24	19687.82	0.90	ppb
Chromium	52-2	524.04	521.22	517.67	520.98	0.61	ppb
Cobalt	59-2	0.09	0.08	0.08	0.08	6.45	ppb
Copper	63-2	1.00	0.94	0.93	0.96	4.31	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				114		%
Holmium	165-2				100		%
Indium	115-1				107		%
Indium	115-2				94		%
Iron	56-2	2.46	2.60	2.92	2.66	8.81	ppb
Iron	57-2	1.57	1.47	2.29	1.78	25.09	ppb
Krypton	83-1						cps
Lead	206-1	0.43	0.42	0.40	0.42	3.91	ppb
Lead	207-1	0.44	0.39	0.36	0.40	10.16	ppb
Lead	208-1	0.43	0.41	0.38	0.41	6.09	ppb
Lithium	6-1				63		%
Magnesium	24-2	3791.26	3695.21	3713.83	3733.44	1.36	ppb

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	K1089-02DLX5	Instrumnet Name :	P8
Client Sample ID :	D-01082019-01-FFDL	Dilution Factor :	5
Date & Time Acquired ::	2019-01-21 14:12:53	DataFile Name :	027SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	95.78	96.23	93.71	95.24	1.41	ppb
Molybdenum	94-1	0.24	0.21	0.24	0.23	7.93	ppb
Molybdenum	95-1	0.35	0.35	0.26	0.32	16.83	ppb
Molybdenum	96-1	0.35	0.33	0.32	0.33	4.36	ppb
Molybdenum	97-1	0.37	0.37	0.37	0.37	0.41	ppb
Molybdenum	98-1	0.29	0.34	0.30	0.31	8.79	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.44	0.44	0.54	0.47	12.73	ppb
Phosphorus	31-2	-6.65	-34.70	-20.86	-20.74		ppb
Potassium	39-2	310.93	305.71	292.52	303.05	3.13	ppb
Rhodium	103-1				102		%
Rhodium	103-2				98		%
Scandium	45-1				94		%
Scandium	45-2				89		%
Selenium	77-2	2.74	-1.24	-1.24	0.09	2649.86	ppb
Selenium	78-2	2.04	-0.62	0.69	0.70	189.46	ppb
Selenium	82-1	0.25	-0.08	0.70	0.29	135.23	ppb
Silicon	28-1	1007.57	1019.91	1006.31	1011.26	0.74	ppb
Silver	109-1	0.14	0.11	0.12	0.12	13.48	ppb
Silver	107-1	0.14	0.13	0.15	0.14	6.26	ppb
Sodium	23-2	16463.18	16190.32	16073.75	16242.42	1.23	ppb
Strontium	86-1	29.64	30.60	29.71	29.98	1.80	ppb
Strontium	88-1	30.37	30.26	30.27	30.30	0.20	ppb
Sulfur	34-1	-6576.33	-6220.36	-6480.18	-6425.63		ppb
Terbium	159-1				112		%
Terbium	159-2				99		%
Thallium	203-1	0.03	0.03	0.03	0.03	10.39	ppb
Thallium	205-1	0.03	0.03	0.03	0.03	10.11	ppb
Tin	118-1	0.06	0.11	0.10	0.09	30.17	ppb
Titanium	47-1	0.16	0.15	0.12	0.14	14.34	ppb
Uranium	238-1	0.10	0.08	0.09	0.09	13.24	ppb
Vanadium	51-2	0.22	0.22	0.28	0.24	12.53	ppb
Yttrium	89-1				102		%
Yttrium	89-2				94		%
Zinc	66-2	2.35	1.86	1.73	1.98	16.46	ppb

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	K1089-02DLX5	Instrumnet Name :	P8
Client Sample ID :	D-01082019-01-FFDL	Dilution Factor :	5
Date & Time Acquired ::	2019-01-21 14:12:53	DataFile Name :	027SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	90-1	0.03	0.02	0.03	0.03	23.81	ppb
Zirconium	91-1	0.00	0.01	0.02	0.01	168.59	ppb

LB Number : LB100421 Operator : Jaswal
 Lab Sample ID : K1089-02DUPDLX5 Instrumnet Name : P8
 Client Sample ID : D-01082019-01-FFDUPE Dilution Factor : 5
 Date & Time Acquired :: 2019-01-21 14:16:26 DataFile Name : 028SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	-0.40	-1.11	1.71	0.07	2210.27	ppb
Antimony	121-1	0.07	0.07	0.06	0.07	10.62	ppb
Arsenic	75-2	0.13	0.15	0.07	0.12	37.60	ppb
Barium	135-1	36.05	36.59	36.85	36.50	1.13	ppb
Barium	137-1	36.69	35.42	36.89	36.34	2.20	ppb
Beryllium	9-1	0.05	0.09	0.10	0.08	31.76	ppb
Bismuth	209-1				109		%
Bismuth	209-2				100		%
Boron	10-1	15.99	15.81	15.63	15.81	1.14	ppb
Boron	11-1	14.80	17.11	15.40	15.77	7.60	ppb
Cadmium	111-1	-0.01	-0.06	-0.10	-0.06		ppb
Cadmium	106-1	-1.21	-1.69	-1.94	-1.61		ppb
Cadmium	108-1	0.23	0.11	0.28	0.21	42.46	ppb
Calcium	43-1	19748.49	19223.93	19749.83	19574.09	1.55	ppb
Calcium	44-1	19961.38	19388.79	19880.37	19743.51	1.57	ppb
Chromium	52-2	515.41	527.92	524.60	522.64	1.24	ppb
Cobalt	59-2	0.10	0.06	0.10	0.08	23.88	ppb
Copper	63-2	0.74	0.78	0.67	0.73	8.22	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				108		%
Holmium	165-2				99		%
Indium	115-1				102		%
Indium	115-2				93		%
Iron	56-2	2.21	2.25	2.57	2.34	8.50	ppb
Iron	57-2	1.96	4.83	3.70	3.50	41.28	ppb
Krypton	83-1						cps
Lead	206-1	0.33	0.28	0.28	0.30	9.09	ppb
Lead	207-1	0.29	0.31	0.34	0.31	9.60	ppb
Lead	208-1	0.30	0.29	0.29	0.30	2.00	ppb
Lithium	6-1				67		%
Magnesium	24-2	3687.96	3766.95	3758.69	3737.87	1.16	ppb

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	K1089-02DUPDLX5	Instrumnet Name :	P8
Client Sample ID :	D-01082019-01-FFDUPE	Dilution Factor :	5
Date & Time Acquired ::	2019-01-21 14:16:26	DataFile Name :	028SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	96.34	92.93	96.33	95.20	2.06	ppb
Molybdenum	94-1	0.23	0.20	0.17	0.20	15.04	ppb
Molybdenum	95-1	0.22	0.23	0.23	0.23	3.24	ppb
Molybdenum	96-1	0.22	0.22	0.19	0.21	6.95	ppb
Molybdenum	97-1	0.41	0.26	0.24	0.30	31.22	ppb
Molybdenum	98-1	0.21	0.21	0.23	0.22	6.43	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.51	0.40	0.40	0.44	15.58	ppb
Phosphorus	31-2	-20.72	-20.79	-34.70	-25.40		ppb
Potassium	39-2	324.41	280.35	314.26	306.34	7.53	ppb
Rhodium	103-1				96		%
Rhodium	103-2				97		%
Scandium	45-1				90		%
Scandium	45-2				89		%
Selenium	77-2	6.96	2.75	2.73	4.15	58.81	ppb
Selenium	78-2	-0.62	0.04	1.37	0.26	384.99	ppb
Selenium	82-1	-0.11	0.93	1.63	0.82	107.11	ppb
Silicon	28-1	1080.69	1035.17	1079.38	1065.08	2.43	ppb
Silver	109-1	0.11	0.10	0.06	0.09	28.91	ppb
Silver	107-1	0.12	0.12	0.08	0.10	20.58	ppb
Sodium	23-2	16268.85	16532.33	16396.67	16399.28	0.80	ppb
Strontium	86-1	30.52	29.98	30.94	30.48	1.59	ppb
Strontium	88-1	30.62	30.25	31.04	30.64	1.29	ppb
Sulfur	34-1	-3865.00	-4661.74	-3967.22	-4164.65		ppb
Terbium	159-1				105		%
Terbium	159-2				98		%
Thallium	203-1	0.02	0.01	0.02	0.02	13.22	ppb
Thallium	205-1	0.01	0.01	0.03	0.02	51.20	ppb
Tin	118-1	0.04	0.04	0.04	0.04	3.94	ppb
Titanium	47-1	0.08	0.15	0.01	0.08	82.14	ppb
Uranium	238-1	0.09	0.09	0.07	0.08	11.92	ppb
Vanadium	51-2	0.28	0.17	0.26	0.24	24.07	ppb
Yttrium	89-1				97		%
Yttrium	89-2				93		%
Zinc	66-2	2.34	2.06	2.36	2.25	7.42	ppb

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	K1089-02DUPDLX5	Instrumnet Name :	P8
Client Sample ID :	D-01082019-01-FFDUPC	Dilution Factor :	5
Date & Time Acquired ::	2019-01-21 14:16:26	DataFile Name :	028SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	90-1	0.02	0.03	0.03	0.03	20.18	ppb
Zirconium	91-1	0.02	0.02	0.01	0.02	36.26	ppb

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	K1089-02LDLX25	Instrumnet Name :	P8
Client Sample ID :	D-01082019-01-FFLDL	Dilution Factor :	25
Date & Time Acquired ::	2019-01-21 14:19:59	DataFile Name :	029SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	-3.82	3.38	3.16	0.91	450.90	ppb
Antimony	121-1	0.03	0.03	0.03	0.03	13.26	ppb
Arsenic	75-2	0.02	-0.01	0.02	0.01	205.29	ppb
Barium	135-1	7.72	7.45	7.43	7.53	2.13	ppb
Barium	137-1	7.60	6.86	7.04	7.17	5.39	ppb
Beryllium	9-1	0.01	0.06	0.09	0.06	68.58	ppb
Bismuth	209-1				109		%
Bismuth	209-2				99		%
Boron	10-1	5.75	6.37	4.88	5.67	13.27	ppb
Boron	11-1	6.21	5.94	5.59	5.91	5.21	ppb
Cadmium	111-1	-0.11	-0.08	-0.20	-0.13		ppb
Cadmium	106-1	-1.62	-1.34	-2.84	-1.93		ppb
Cadmium	108-1	0.12	0.22	0.11	0.15	42.56	ppb
Calcium	43-1	4029.69	3961.76	3876.33	3955.93	1.94	ppb
Calcium	44-1	4052.79	3945.47	3885.64	3961.30	2.14	ppb
Chromium	52-2	104.22	106.01	104.95	105.06	0.86	ppb
Cobalt	59-2	-0.01	0.02	-0.01	0.00	855.94	ppb
Copper	63-2	0.43	0.37	0.37	0.39	8.85	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				106		%
Holmium	165-2				98		%
Indium	115-1				102		%
Indium	115-2				92		%
Iron	56-2	1.06	1.51	1.30	1.29	17.36	ppb
Iron	57-2	6.37	2.28	1.11	3.25	84.89	ppb
Krypton	83-1						cps
Lead	206-1	0.29	0.23	0.22	0.25	16.90	ppb
Lead	207-1	0.20	0.24	0.20	0.21	9.29	ppb
Lead	208-1	0.25	0.24	0.21	0.23	7.84	ppb
Lithium	6-1				69		%
Magnesium	24-2	753.03	766.90	780.25	766.73	1.77	ppb

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	K1089-02LDLX25	Instrumnet Name :	P8
Client Sample ID :	D-01082019-01-FFLDL	Dilution Factor :	25
Date & Time Acquired ::	2019-01-21 14:19:59	DataFile Name :	029SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	19.32	19.76	19.50	19.53	1.14	ppb
Molybdenum	94-1	0.06	0.04	0.05	0.05	25.71	ppb
Molybdenum	95-1	0.05	0.01	0.05	0.04	73.03	ppb
Molybdenum	96-1	0.04	0.06	0.08	0.06	30.03	ppb
Molybdenum	97-1	0.07	0.07	0.03	0.05	43.81	ppb
Molybdenum	98-1	0.05	0.03	0.02	0.04	46.08	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.14	0.00	0.15	0.09	90.89	ppb
Phosphorus	31-2	-34.70	-34.70	-34.70	-34.70		ppb
Potassium	39-2	60.45	109.66	107.74	92.62	30.10	ppb
Rhodium	103-1				97		%
Rhodium	103-2				95		%
Scandium	45-1				91		%
Scandium	45-2				86		%
Selenium	77-2	-1.24	-1.24	2.88	0.13	1795.98	ppb
Selenium	78-2	0.05	1.43	0.75	0.75	92.50	ppb
Selenium	82-1	0.05	-0.47	0.37	-0.02		ppb
Silicon	28-1	215.15	210.91	205.93	210.66	2.19	ppb
Silver	109-1	0.06	0.07	0.05	0.06	16.61	ppb
Silver	107-1	0.07	0.04	0.06	0.06	21.06	ppb
Sodium	23-2	3148.66	3217.24	3190.00	3185.30	1.08	ppb
Strontium	86-1	6.57	6.22	6.37	6.39	2.77	ppb
Strontium	88-1	6.41	6.17	6.04	6.21	3.06	ppb
Sulfur	34-1	-4497.99	-4875.51	-5599.52	-4991.01		ppb
Terbium	159-1				104		%
Terbium	159-2				96		%
Thallium	203-1	0.01	0.02	0.00	0.01	108.25	ppb
Thallium	205-1	0.00	0.01	0.00	0.00	48.09	ppb
Tin	118-1	-0.01	0.00	-0.01	-0.01		ppb
Titanium	47-1	0.02	0.01	0.09	0.04	113.37	ppb
Uranium	238-1	0.01	0.01	0.01	0.01	40.90	ppb
Vanadium	51-2	0.06	0.02	0.07	0.05	56.96	ppb
Yttrium	89-1				97		%
Yttrium	89-2				91		%
Zinc	66-2	0.56	0.58	0.90	0.68	28.58	ppb

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	K1089-02LDLX25	Instrumnet Name :	P8
Client Sample ID :	D-01082019-01-FFLDL	Dilution Factor :	25
Date & Time Acquired ::	2019-01-21 14:19:59	DataFile Name :	029SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	90-1	0.00	0.01	0.01	0.00	194.62	ppb
Zirconium	91-1	0.00	-0.03	-0.01	-0.01		ppb

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	CCV51	Instrumnet Name :	P8
Client Sample ID :	CCV51	Dilution Factor :	1
Date & Time Acquired ::	2019-01-21 14:29:44	DataFile Name :	030CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	49898.02	49291.89	50209.21	49799.71	0.94	ppb
Antimony	121-1	509.20	561.71	575.25	548.72	6.36	ppb
Arsenic	75-2	500.18	489.14	497.51	495.61	1.16	ppb
Barium	135-1	2607.04	2840.79	2915.04	2787.62	5.77	ppb
Barium	137-1	2558.91	2822.12	2869.42	2750.15	6.08	ppb
Beryllium	9-1	563.48	606.83	615.95	595.42	4.71	ppb
Bismuth	209-1				88		%
Bismuth	209-2				92		%
Boron	10-1	535.78	613.96	619.84	589.86	7.96	ppb
Boron	11-1	529.44	590.17	613.40	577.67	7.50	ppb
Cadmium	111-1	492.05	544.61	556.47	531.04	6.46	ppb
Cadmium	106-1	496.47	551.46	549.50	532.48	5.86	ppb
Cadmium	108-1	488.94	531.97	551.00	523.97	6.07	ppb
Calcium	43-1	258380.33	277049.70	281655.07	272361.70	4.53	ppb
Calcium	44-1	255965.02	276996.96	280523.06	271161.68	4.90	ppb
Chromium	52-2	516.94	505.87	517.14	513.32	1.26	ppb
Cobalt	59-2	502.57	496.73	506.94	502.08	1.02	ppb
Copper	63-2	989.65	968.60	995.97	984.74	1.46	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				95		%
Holmium	165-2				98		%
Indium	115-1				88		%
Indium	115-2				91		%
Iron	56-2	125698.22	121539.19	125072.36	124103.26	1.81	ppb
Iron	57-2	125477.10	123789.67	127832.33	125699.70	1.62	ppb
Krypton	83-1						cps
Lead	206-1	530.94	578.52	582.58	564.01	5.09	ppb
Lead	207-1	525.03	581.84	568.72	558.53	5.33	ppb
Lead	208-1	544.52	590.00	593.76	576.09	4.76	ppb
Lithium	6-1				67		%
Magnesium	24-2	245679.07	240695.43	247739.66	244704.72	1.48	ppb

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	CCV51	Instrumnet Name :	P8
Client Sample ID :	CCV51	Dilution Factor :	1
Date & Time Acquired ::	2019-01-21 14:29:44	DataFile Name :	030CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	1001.99	971.46	991.97	988.47	1.57	ppb
Molybdenum	94-1	2644.10	2914.47	2942.90	2833.83	5.82	ppb
Molybdenum	95-1	2637.21	2886.61	2923.06	2815.63	5.53	ppb
Molybdenum	96-1	2665.72	2886.13	2906.73	2819.53	4.74	ppb
Molybdenum	97-1	2654.31	2907.67	2960.50	2840.83	5.76	ppb
Molybdenum	98-1	2652.74	2887.91	2896.96	2812.54	4.92	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	516.82	506.15	520.58	514.52	1.45	ppb
Phosphorus	31-2	9829.33	10253.70	10270.42	10117.82	2.47	ppb
Potassium	39-2	120640.98	119562.59	121741.19	120648.25	0.90	ppb
Rhodium	103-1				83		%
Rhodium	103-2				91		%
Scandium	45-1				84		%
Scandium	45-2				94		%
Selenium	77-2	578.81	405.97	450.72	478.50	18.75	ppb
Selenium	78-2	499.37	502.21	478.80	493.46	2.59	ppb
Selenium	82-1	506.34	565.28	562.94	544.85	6.13	ppb
Silicon	28-1	437.17	481.99	494.97	471.38	6.43	ppb
Silver	109-1	500.60	548.10	560.62	536.44	5.90	ppb
Silver	107-1	492.59	537.22	558.99	529.60	6.39	ppb
Sodium	23-2	243834.11	240527.25	244833.34	243064.90	0.93	ppb
Strontium	86-1	516.09	569.85	565.33	550.42	5.42	ppb
Strontium	88-1	522.27	583.41	582.59	562.76	6.23	ppb
Sulfur	34-1	9782.70	12049.71	13239.28	11690.56	15.02	ppb
Terbium	159-1				94		%
Terbium	159-2				96		%
Thallium	203-1	532.24	572.73	588.99	564.65	5.18	ppb
Thallium	205-1	554.32	598.33	627.85	593.50	6.23	ppb
Tin	118-1	498.16	546.26	556.28	533.57	5.82	ppb
Titanium	47-1	2637.30	2888.44	2977.72	2834.48	6.23	ppb
Uranium	238-1	559.23	606.04	618.18	594.48	5.24	ppb
Vanadium	51-2	513.43	503.86	517.43	511.57	1.36	ppb
Yttrium	89-1				89		%
Yttrium	89-2				95		%
Zinc	66-2	1003.21	979.24	991.84	991.43	1.21	ppb

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	CCV51	Instrumnet Name :	P8
Client Sample ID :	CCV51	Dilution Factor :	1
Date & Time Acquired ::	2019-01-21 14:29:44	DataFile Name :	030CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	90-1	532.06	596.02	587.20	571.76	6.06	ppb
Zirconium	91-1	511.82	562.89	567.47	547.39	5.64	ppb

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	CCB51	Instrumnet Name :	P8
Client Sample ID :	CCB51	Dilution Factor :	1
Date & Time Acquired ::	2019-01-21 14:37:15	DataFile Name :	031CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	0.86	-0.41	1.02	0.49	159.57	ppb
Antimony	121-1	0.12	0.16	0.16	0.15	16.62	ppb
Arsenic	75-2	-0.05	-0.02	-0.02	-0.03		ppb
Barium	135-1	0.12	0.07	0.10	0.10	25.85	ppb
Barium	137-1	0.10	0.04	0.07	0.07	44.51	ppb
Beryllium	9-1	0.06	0.08	0.03	0.06	42.73	ppb
Bismuth	209-1				101		%
Bismuth	209-2				98		%
Boron	10-1	3.67	2.93	3.32	3.31	11.27	ppb
Boron	11-1	3.66	3.82	3.54	3.68	3.80	ppb
Cadmium	111-1	-0.08	-0.11	-0.13	-0.11		ppb
Cadmium	106-1	-1.31	-1.62	-1.77	-1.57		ppb
Cadmium	108-1	0.12	0.24	0.18	0.18	33.31	ppb
Calcium	43-1	0.19	-0.91	-3.21	-1.31		ppb
Calcium	44-1	-10.12	-13.80	-20.60	-14.84		ppb
Chromium	52-2	0.09	0.05	0.16	0.10	58.26	ppb
Cobalt	59-2	0.00	0.01	-0.01	0.00		ppb
Copper	63-2	0.12	0.12	0.09	0.11	15.70	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				101		%
Holmium	165-2				98		%
Indium	115-1				101		%
Indium	115-2				96		%
Iron	56-2	4.42	4.13	5.02	4.52	10.05	ppb
Iron	57-2	2.18	1.04	6.00	3.07	84.40	ppb
Krypton	83-1						cps
Lead	206-1	0.26	0.24	0.28	0.26	7.55	ppb
Lead	207-1	0.17	0.21	0.20	0.19	11.89	ppb
Lead	208-1	0.20	0.20	0.21	0.21	3.44	ppb
Lithium	6-1				73		%
Magnesium	24-2	9.12	12.89	10.59	10.87	17.47	ppb

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	CCB51	Instrumnet Name :	P8
Client Sample ID :	CCB51	Dilution Factor :	1
Date & Time Acquired ::	2019-01-21 14:37:15	DataFile Name :	031CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	0.11	0.12	0.11	0.11	6.44	ppb
Molybdenum	94-1	0.20	0.23	0.22	0.22	8.11	ppb
Molybdenum	95-1	0.18	0.15	0.13	0.15	16.24	ppb
Molybdenum	96-1	0.20	0.20	0.19	0.20	3.38	ppb
Molybdenum	97-1	0.17	0.13	0.19	0.16	19.06	ppb
Molybdenum	98-1	0.21	0.19	0.16	0.18	12.60	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	-0.01	0.04	0.05	0.03	103.24	ppb
Phosphorus	31-2	-21.62	-8.42	-34.70	-21.58		ppb
Potassium	39-2	19.09	32.34	18.66	23.37	33.29	ppb
Rhodium	103-1				97		%
Rhodium	103-2				98		%
Scandium	45-1				95		%
Scandium	45-2				94		%
Selenium	77-2	2.61	-1.24	-1.24	0.04	5413.68	ppb
Selenium	78-2	0.02	0.66	0.02	0.23	157.08	ppb
Selenium	82-1	-0.25	-0.31	0.10	-0.16		ppb
Silicon	28-1	-16.93	-14.96	-18.24	-16.71		ppb
Silver	109-1	0.05	0.06	0.06	0.05	9.33	ppb
Silver	107-1	0.06	0.06	0.04	0.05	18.23	ppb
Sodium	23-2	29.87	24.94	24.28	26.36	11.59	ppb
Strontium	86-1	-0.11	-0.07	-0.02	-0.07		ppb
Strontium	88-1	0.03	0.02	0.02	0.02	25.04	ppb
Sulfur	34-1	-4265.02	-4701.68	-4810.69	-4592.46		ppb
Terbium	159-1				99		%
Terbium	159-2				97		%
Thallium	203-1	0.02	0.04	0.02	0.03	41.70	ppb
Thallium	205-1	0.03	0.03	0.02	0.03	30.93	ppb
Tin	118-1	0.03	0.02	0.05	0.03	46.50	ppb
Titanium	47-1	0.11	0.13	0.05	0.10	40.59	ppb
Uranium	238-1	0.03	0.01	0.02	0.02	54.78	ppb
Vanadium	51-2	0.00	-0.02	0.00	-0.01		ppb
Yttrium	89-1				97		%
Yttrium	89-2				97		%
Zinc	66-2	0.06	-0.08	-0.14	-0.05		ppb

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	CCB51	Instrumnet Name :	P8
Client Sample ID :	CCB51	Dilution Factor :	1
Date & Time Acquired ::	2019-01-21 14:37:15	DataFile Name :	031CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	90-1	0.03	0.03	0.02	0.03	30.16	ppb
Zirconium	91-1	0.02	0.04	0.07	0.04	60.87	ppb

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	K1089-02MSDLX5	Instrumnet Name :	P8
Client Sample ID :	D-01082019-01-FFMSDL	Dilution Factor :	5
Date & Time Acquired ::	2019-01-21 14:40:50	DataFile Name :	032SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	1798.42	1809.33	1803.94	1803.90	0.30	ppb
Antimony	121-1	95.40	96.93	94.39	95.57	1.34	ppb
Arsenic	75-2	96.37	94.99	95.48	95.61	0.73	ppb
Barium	135-1	516.37	522.92	511.12	516.80	1.14	ppb
Barium	137-1	522.09	536.83	521.46	526.79	1.65	ppb
Beryllium	9-1	108.65	108.44	109.17	108.75	0.34	ppb
Bismuth	209-1				95		%
Bismuth	209-2				88		%
Boron	10-1	115.65	119.37	125.04	120.02	3.94	ppb
Boron	11-1	114.39	118.06	117.96	116.80	1.79	ppb
Cadmium	111-1	97.45	101.19	96.69	98.45	2.45	ppb
Cadmium	106-1	99.01	100.32	93.10	97.48	3.95	ppb
Cadmium	108-1	93.94	105.19	91.13	96.76	7.69	ppb
Calcium	43-1	28916.53	29093.01	28809.77	28939.77	0.49	ppb
Calcium	44-1	29095.51	29167.65	28811.30	29024.82	0.65	ppb
Chromium	52-2	594.59	590.33	593.95	592.96	0.39	ppb
Cobalt	59-2	99.71	101.28	101.14	100.71	0.86	ppb
Copper	63-2	213.58	212.73	210.62	212.31	0.72	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				101		%
Holmium	165-2				92		%
Indium	115-1				98		%
Indium	115-2				88		%
Iron	56-2	5259.54	5252.29	5227.46	5246.43	0.32	ppb
Iron	57-2	4998.74	5041.20	4979.83	5006.59	0.63	ppb
Krypton	83-1						cps
Lead	206-1	99.29	100.53	102.53	100.78	1.62	ppb
Lead	207-1	95.69	97.03	98.29	97.00	1.34	ppb
Lead	208-1	97.38	98.17	98.88	98.14	0.77	ppb
Lithium	6-1				63		%
Magnesium	24-2	13058.98	13156.20	13144.39	13119.86	0.40	ppb

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	K1089-02MSDLX5	Instrumnet Name :	P8
Client Sample ID :	D-01082019-01-FFMSDL	Dilution Factor :	5
Date & Time Acquired ::	2019-01-21 14:40:50	DataFile Name :	032SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	287.30	295.49	291.79	291.52	1.41	ppb
Molybdenum	94-1	499.99	501.74	501.57	501.10	0.19	ppb
Molybdenum	95-1	482.43	484.87	477.99	481.76	0.72	ppb
Molybdenum	96-1	488.29	488.62	485.05	487.32	0.40	ppb
Molybdenum	97-1	489.33	496.69	494.51	493.51	0.77	ppb
Molybdenum	98-1	508.55	519.67	511.17	513.13	1.13	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	102.76	102.20	104.42	103.13	1.12	ppb
Phosphorus	31-2	-34.70	-34.70	-6.49	-25.29		ppb
Potassium	39-2	4943.53	4959.64	5002.49	4968.55	0.61	ppb
Rhodium	103-1				93		%
Rhodium	103-2				92		%
Scandium	45-1				91		%
Scandium	45-2				88		%
Selenium	77-2	95.32	104.77	40.62	80.23	43.16	ppb
Selenium	78-2	83.33	109.61	102.64	98.52	13.82	ppb
Selenium	82-1	102.27	98.46	99.49	100.07	1.97	ppb
Silicon	28-1	1127.77	1104.79	1073.53	1102.03	2.47	ppb
Silver	109-1	95.83	99.10	94.28	96.41	2.55	ppb
Silver	107-1	95.51	98.67	95.04	96.41	2.05	ppb
Sodium	23-2	25874.20	25680.76	25884.39	25813.12	0.44	ppb
Strontium	86-1	128.33	128.94	128.51	128.60	0.24	ppb
Strontium	88-1	127.30	128.35	127.84	127.83	0.41	ppb
Sulfur	34-1	-4554.60	-4548.30	-5290.21	-4797.70		ppb
Terbium	159-1				99		%
Terbium	159-2				90		%
Thallium	203-1	99.86	102.01	100.38	100.75	1.11	ppb
Thallium	205-1	100.56	101.18	100.67	100.80	0.33	ppb
Tin	118-1	95.72	96.81	94.19	95.58	1.38	ppb
Titanium	47-1	489.06	489.05	484.98	487.70	0.48	ppb
Uranium	238-1	98.55	100.43	100.30	99.76	1.05	ppb
Vanadium	51-2	97.11	98.85	100.39	98.78	1.66	ppb
Yttrium	89-1				96		%
Yttrium	89-2				88		%
Zinc	66-2	197.68	206.29	203.27	202.41	2.16	ppb

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	K1089-02MSDLX5	Instrumnet Name :	P8
Client Sample ID :	D-01082019-01-FFMSDL	Dilution Factor :	5
Date & Time Acquired ::	2019-01-21 14:40:50	DataFile Name :	032SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	90-1	100.51	101.90	100.24	100.88	0.88	ppb
Zirconium	91-1	98.65	99.15	97.29	98.36	0.98	ppb

LB Number : LB100421 Operator : Jaswal
 Lab Sample ID : K1089-02MSDDLX5 Instrumnet Name : P8
 Client Sample ID : D-01082019-01-FFMSDC Dilution Factor : 5
 Date & Time Acquired :: 2019-01-21 14:44:23 DataFile Name : 033SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	1850.30	1977.98	1843.65	1890.65	4.00	ppb
Antimony	121-1	95.92	96.93	96.21	96.35	0.54	ppb
Arsenic	75-2	99.49	105.31	99.02	101.27	3.46	ppb
Barium	135-1	523.34	527.99	524.15	525.16	0.47	ppb
Barium	137-1	529.43	535.53	527.00	530.65	0.83	ppb
Beryllium	9-1	110.54	110.15	110.17	110.29	0.20	ppb
Bismuth	209-1				102		%
Bismuth	209-2				89		%
Boron	10-1	125.12	123.22	118.30	122.21	2.88	ppb
Boron	11-1	115.50	118.83	119.16	117.83	1.72	ppb
Cadmium	111-1	96.05	100.45	97.77	98.09	2.26	ppb
Cadmium	106-1	97.58	102.15	95.03	98.25	3.67	ppb
Cadmium	108-1	96.30	99.37	100.96	98.88	2.40	ppb
Calcium	43-1	29569.63	29302.93	29187.50	29353.36	0.67	ppb
Calcium	44-1	29792.23	29211.15	29277.98	29427.12	1.08	ppb
Chromium	52-2	615.70	661.15	624.02	633.63	3.82	ppb
Cobalt	59-2	107.97	114.61	109.03	110.54	3.22	ppb
Copper	63-2	221.52	239.21	225.17	228.63	4.09	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				104		%
Holmium	165-2				91		%
Indium	115-1				99		%
Indium	115-2				86		%
Iron	56-2	5426.71	5742.52	5546.61	5571.95	2.86	ppb
Iron	57-2	5255.94	5689.88	5258.74	5401.52	4.62	ppb
Krypton	83-1						cps
Lead	206-1	98.88	101.04	101.07	100.33	1.25	ppb
Lead	207-1	95.91	96.50	96.42	96.28	0.33	ppb
Lead	208-1	96.36	98.08	97.42	97.29	0.89	ppb
Lithium	6-1				62		%
Magnesium	24-2	13444.87	14457.53	13797.24	13899.88	3.70	ppb

LB Number : LB100421 Operator : Jaswal
 Lab Sample ID : K1089-02MSDDLX5 Instrumnet Name : P8
 Client Sample ID : D-01082019-01-FFMSDC Dilution Factor : 5
 Date & Time Acquired :: 2019-01-21 14:44:23 DataFile Name : 033SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	290.17	317.34	305.37	304.30	4.48	ppb
Molybdenum	94-1	519.63	526.82	508.42	518.29	1.79	ppb
Molybdenum	95-1	500.67	510.86	499.13	503.56	1.27	ppb
Molybdenum	96-1	506.04	511.98	502.23	506.75	0.97	ppb
Molybdenum	97-1	514.72	514.84	504.55	511.37	1.15	ppb
Molybdenum	98-1	533.10	529.10	533.05	531.75	0.43	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	107.56	116.29	111.45	111.77	3.91	ppb
Phosphorus	31-2	-6.04	-34.70	-20.10	-20.28		ppb
Potassium	39-2	5178.25	5394.31	5218.30	5263.62	2.18	ppb
Rhodium	103-1				94		%
Rhodium	103-2				90		%
Scandium	45-1				90		%
Scandium	45-2				84		%
Selenium	77-2	92.61	115.19	76.23	94.68	20.67	ppb
Selenium	78-2	103.18	97.14	97.64	99.32	3.37	ppb
Selenium	82-1	99.98	103.87	101.40	101.75	1.93	ppb
Silicon	28-1	1108.75	1106.93	1071.46	1095.71	1.92	ppb
Silver	109-1	96.22	96.68	96.09	96.33	0.32	ppb
Silver	107-1	96.65	97.78	95.82	96.75	1.02	ppb
Sodium	23-2	26360.46	28118.50	26380.92	26953.29	3.74	ppb
Strontium	86-1	131.75	135.09	130.87	132.57	1.68	ppb
Strontium	88-1	135.03	135.28	133.20	134.50	0.84	ppb
Sulfur	34-1	-5361.90	-5384.36	-5898.14	-5548.13		ppb
Terbium	159-1				102		%
Terbium	159-2				90		%
Thallium	203-1	99.36	102.34	98.99	100.23	1.83	ppb
Thallium	205-1	100.17	103.63	101.06	101.62	1.77	ppb
Tin	118-1	95.18	96.55	93.77	95.17	1.46	ppb
Titanium	47-1	491.49	496.93	492.00	493.47	0.61	ppb
Uranium	238-1	99.79	101.96	98.53	100.09	1.74	ppb
Vanadium	51-2	102.62	111.42	105.18	106.41	4.26	ppb
Yttrium	89-1				95		%
Yttrium	89-2				86		%
Zinc	66-2	213.38	232.27	212.75	219.47	5.06	ppb

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	K1089-02MSDDLX5	Instrumnet Name :	P8
Client Sample ID :	D-01082019-01-FFMSDE	Dilution Factor :	5
Date & Time Acquired ::	2019-01-21 14:44:23	DataFile Name :	033SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	90-1	105.32	104.66	102.30	104.10	1.52	ppb
Zirconium	91-1	103.54	102.34	100.30	102.06	1.60	ppb

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	K1089-02ADLX5	Instrumnet Name :	P8
Client Sample ID :	D-01082019-01-FFADL	Dilution Factor :	5
Date & Time Acquired ::	2019-01-21 14:47:55	DataFile Name :	034SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	1804.10	1811.97	1827.15	1814.41	0.65	ppb
Antimony	121-1	93.73	94.30	93.43	93.82	0.48	ppb
Arsenic	75-2	95.53	97.72	96.17	96.47	1.17	ppb
Barium	135-1	510.73	510.61	513.30	511.55	0.30	ppb
Barium	137-1	512.44	513.37	519.89	515.24	0.79	ppb
Beryllium	9-1	106.96	107.46	108.58	107.67	0.77	ppb
Bismuth	209-1				105		%
Bismuth	209-2				92		%
Boron	10-1	114.31	121.27	128.57	121.38	5.88	ppb
Boron	11-1	110.50	116.23	115.41	114.05	2.72	ppb
Cadmium	111-1	95.64	94.47	94.35	94.82	0.76	ppb
Cadmium	106-1	90.95	89.08	92.24	90.76	1.75	ppb
Cadmium	108-1	94.45	99.67	96.84	96.98	2.70	ppb
Calcium	43-1	28900.81	29054.67	29066.68	29007.39	0.32	ppb
Calcium	44-1	29394.81	29692.48	28902.39	29329.89	1.36	ppb
Chromium	52-2	603.66	601.27	609.29	604.74	0.68	ppb
Cobalt	59-2	102.86	102.80	103.84	103.17	0.57	ppb
Copper	63-2	217.99	215.22	217.48	216.90	0.68	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				106		%
Holmium	165-2				94		%
Indium	115-1				100		%
Indium	115-2				87		%
Iron	56-2	5283.79	5269.48	5327.99	5293.75	0.58	ppb
Iron	57-2	5024.79	5050.50	5086.75	5054.01	0.62	ppb
Krypton	83-1						cps
Lead	206-1	98.54	97.75	95.91	97.40	1.39	ppb
Lead	207-1	93.61	94.42	91.90	93.31	1.38	ppb
Lead	208-1	94.60	95.66	93.07	94.45	1.38	ppb
Lithium	6-1				62		%
Magnesium	24-2	13074.45	13147.79	13251.07	13157.77	0.67	ppb

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	K1089-02ADLX5	Instrumnet Name :	P8
Client Sample ID :	D-01082019-01-FFADL	Dilution Factor :	5
Date & Time Acquired ::	2019-01-21 14:47:55	DataFile Name :	034SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	287.86	289.15	292.25	289.75	0.78	ppb
Molybdenum	94-1	503.92	511.41	500.62	505.32	1.09	ppb
Molybdenum	95-1	494.29	495.73	484.74	491.59	1.21	ppb
Molybdenum	96-1	493.13	497.80	489.84	493.59	0.81	ppb
Molybdenum	97-1	500.48	503.97	492.95	499.13	1.13	ppb
Molybdenum	98-1	513.76	514.32	499.37	509.15	1.66	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	107.58	106.61	109.18	107.79	1.21	ppb
Phosphorus	31-2	-34.70	-5.89	-20.07	-20.22		ppb
Potassium	39-2	4930.44	4911.52	4934.31	4925.42	0.25	ppb
Rhodium	103-1				95		%
Rhodium	103-2				93		%
Scandium	45-1				89		%
Scandium	45-2				86		%
Selenium	77-2	111.71	88.04	75.52	91.76	20.03	ppb
Selenium	78-2	90.71	91.49	108.11	96.77	10.16	ppb
Selenium	82-1	103.53	100.92	98.87	101.11	2.31	ppb
Silicon	28-1	1078.91	1074.97	1078.34	1077.41	0.20	ppb
Silver	109-1	93.33	92.54	91.73	92.54	0.87	ppb
Silver	107-1	93.22	92.11	92.44	92.59	0.62	ppb
Sodium	23-2	25826.65	25852.59	26009.12	25896.12	0.38	ppb
Strontium	86-1	130.84	129.32	129.31	129.82	0.68	ppb
Strontium	88-1	130.84	129.42	127.00	129.08	1.50	ppb
Sulfur	34-1	-5895.05	-5894.34	-5970.24	-5919.87		ppb
Terbium	159-1				104		%
Terbium	159-2				92		%
Thallium	203-1	97.64	97.78	96.73	97.38	0.59	ppb
Thallium	205-1	98.16	99.03	94.54	97.24	2.45	ppb
Tin	118-1	93.93	94.49	92.83	93.75	0.90	ppb
Titanium	47-1	486.92	490.27	488.86	488.68	0.34	ppb
Uranium	238-1	97.99	98.45	95.62	97.35	1.56	ppb
Vanadium	51-2	100.83	98.69	101.09	100.20	1.32	ppb
Yttrium	89-1				96		%
Yttrium	89-2				88		%
Zinc	66-2	209.36	207.10	208.81	208.42	0.56	ppb

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	K1089-02ADLX5	Instrumnet Name :	P8
Client Sample ID :	D-01082019-01-FFADL	Dilution Factor :	5
Date & Time Acquired ::	2019-01-21 14:47:55	DataFile Name :	034SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	90-1	102.81	102.43	100.69	101.98	1.11	ppb
Zirconium	91-1	99.09	102.07	98.83	99.99	1.80	ppb

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	CCV52	Instrumnet Name :	P8
Client Sample ID :	CCV52	Dilution Factor :	1
Date & Time Acquired ::	2019-01-21 14:52:46	DataFile Name :	035CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	49688.31	49926.44	50095.78	49903.51	0.41	ppb
Antimony	121-1	518.59	526.86	523.61	523.02	0.80	ppb
Arsenic	75-2	507.29	510.53	508.71	508.84	0.32	ppb
Barium	135-1	2618.89	2658.06	2628.37	2635.11	0.78	ppb
Barium	137-1	2589.73	2669.87	2624.35	2627.98	1.53	ppb
Beryllium	9-1	590.58	585.56	593.80	589.98	0.70	ppb
Bismuth	209-1				98		%
Bismuth	209-2				91		%
Boron	10-1	584.60	592.83	595.47	590.97	0.96	ppb
Boron	11-1	568.74	572.75	589.20	576.89	1.88	ppb
Cadmium	111-1	500.62	508.18	509.25	506.02	0.93	ppb
Cadmium	106-1	498.21	507.97	514.79	506.99	1.64	ppb
Cadmium	108-1	500.44	505.50	503.73	503.23	0.51	ppb
Calcium	43-1	253038.14	255148.75	253266.69	253817.86	0.46	ppb
Calcium	44-1	253506.35	255493.87	252235.01	253745.08	0.65	ppb
Chromium	52-2	519.37	518.16	517.96	518.50	0.15	ppb
Cobalt	59-2	508.86	509.27	510.66	509.60	0.19	ppb
Copper	63-2	1001.53	1001.83	993.34	998.90	0.48	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				95		%
Indium	115-1				96		%
Indium	115-2				88		%
Iron	56-2	125728.43	124965.02	124813.95	125169.13	0.39	ppb
Iron	57-2	127673.90	126813.02	126727.92	127071.61	0.41	ppb
Krypton	83-1						cps
Lead	206-1	503.66	534.75	510.15	516.19	3.18	ppb
Lead	207-1	501.50	523.18	506.03	510.24	2.24	ppb
Lead	208-1	514.44	539.50	524.33	526.09	2.40	ppb
Lithium	6-1				66		%
Magnesium	24-2	247555.43	248641.25	248244.51	248147.07	0.22	ppb

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	CCV52	Instrumnet Name :	P8
Client Sample ID :	CCV52	Dilution Factor :	1
Date & Time Acquired ::	2019-01-21 14:52:46	DataFile Name :	035CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	992.83	987.73	999.19	993.25	0.58	ppb
Molybdenum	94-1	2675.91	2665.26	2670.59	2670.59	0.20	ppb
Molybdenum	95-1	2682.47	2675.58	2674.93	2677.66	0.16	ppb
Molybdenum	96-1	2679.40	2641.08	2662.23	2660.90	0.72	ppb
Molybdenum	97-1	2670.54	2677.63	2669.91	2672.69	0.16	ppb
Molybdenum	98-1	2679.01	2639.83	2646.87	2655.24	0.79	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	521.87	521.12	515.54	519.51	0.67	ppb
Phosphorus	31-2	9924.87	9636.61	10065.24	9875.58	2.21	ppb
Potassium	39-2	122374.41	122316.35	122036.17	122242.31	0.15	ppb
Rhodium	103-1				91		%
Rhodium	103-2				90		%
Scandium	45-1				92		%
Scandium	45-2				93		%
Selenium	77-2	517.02	422.52	470.02	469.85	10.06	ppb
Selenium	78-2	496.17	515.92	510.52	507.54	2.01	ppb
Selenium	82-1	513.79	514.75	516.04	514.86	0.22	ppb
Silicon	28-1	421.17	430.17	428.11	426.48	1.11	ppb
Silver	109-1	511.84	513.51	514.56	513.30	0.27	ppb
Silver	107-1	500.05	507.80	500.92	502.92	0.84	ppb
Sodium	23-2	249222.22	247201.39	246021.03	247481.55	0.65	ppb
Strontium	86-1	526.58	527.58	524.71	526.29	0.28	ppb
Strontium	88-1	536.29	530.94	529.24	532.16	0.69	ppb
Sulfur	34-1	7794.67	7400.21	7783.94	7659.61	2.93	ppb
Terbium	159-1				101		%
Terbium	159-2				93		%
Thallium	203-1	510.14	538.55	515.90	521.53	2.88	ppb
Thallium	205-1	536.14	556.52	530.54	541.07	2.53	ppb
Tin	118-1	503.91	512.06	510.65	508.87	0.86	ppb
Titanium	47-1	2668.57	2636.21	2660.29	2655.03	0.63	ppb
Uranium	238-1	543.06	571.96	548.30	554.44	2.78	ppb
Vanadium	51-2	521.35	522.40	516.19	519.98	0.64	ppb
Yttrium	89-1				97		%
Yttrium	89-2				93		%
Zinc	66-2	989.97	999.47	983.28	990.91	0.82	ppb

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	CCV52	Instrumnet Name :	P8
Client Sample ID :	CCV52	Dilution Factor :	1
Date & Time Acquired ::	2019-01-21 14:52:46	DataFile Name :	035CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	90-1	540.68	536.16	538.63	538.49	0.42	ppb
Zirconium	91-1	518.59	511.60	516.95	515.71	0.71	ppb

LB Number : LB100421 Operator : Jaswal
 Lab Sample ID : CCB52 Instrumnet Name : P8
 Client Sample ID : CCB52 Dilution Factor : 1
 Date & Time Acquired :: 2019-01-21 14:57:29 DataFile Name : 036CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	0.89	-0.73	5.06	1.74	171.64	ppb
Antimony	121-1	0.13	0.12	0.19	0.15	29.42	ppb
Arsenic	75-2	0.06	0.00	0.01	0.03	131.69	ppb
Barium	135-1	0.12	0.14	0.18	0.15	19.31	ppb
Barium	137-1	0.13	0.11	0.12	0.12	11.56	ppb
Beryllium	9-1	0.10	0.09	0.11	0.10	8.27	ppb
Bismuth	209-1				106		%
Bismuth	209-2				100		%
Boron	10-1	5.90	5.29	5.25	5.48	6.60	ppb
Boron	11-1	5.12	5.23	4.73	5.03	5.29	ppb
Cadmium	111-1	-0.03	-0.12	-0.07	-0.07		ppb
Cadmium	106-1	-0.39	-1.90	-1.30	-1.20		ppb
Cadmium	108-1	0.06	0.06	0.06	0.06	0.32	ppb
Calcium	43-1	6.19	4.01	5.22	5.14	21.24	ppb
Calcium	44-1	-20.74	-15.93	-17.79	-18.15		ppb
Chromium	52-2	0.20	0.11	0.00	0.10	100.37	ppb
Cobalt	59-2	-0.01	0.02	0.00	0.00	1288.09	ppb
Copper	63-2	0.31	0.24	0.23	0.26	16.49	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				105		%
Holmium	165-2				100		%
Indium	115-1				102		%
Indium	115-2				97		%
Iron	56-2	5.19	4.07	4.42	4.56	12.49	ppb
Iron	57-2	3.79	1.84	2.06	2.56	41.87	ppb
Krypton	83-1						cps
Lead	206-1	0.32	0.30	0.30	0.31	3.94	ppb
Lead	207-1	0.29	0.40	0.30	0.33	18.26	ppb
Lead	208-1	0.30	0.32	0.28	0.30	6.63	ppb
Lithium	6-1				73		%
Magnesium	24-2	9.45	7.25	5.44	7.38	27.24	ppb

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	CCB52	Instrumnet Name :	P8
Client Sample ID :	CCB52	Dilution Factor :	1
Date & Time Acquired ::	2019-01-21 14:57:29	DataFile Name :	036CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	0.08	0.03	0.09	0.07	49.19	ppb
Molybdenum	94-1	0.23	0.27	0.23	0.24	10.81	ppb
Molybdenum	95-1	0.17	0.28	0.23	0.23	24.87	ppb
Molybdenum	96-1	0.21	0.23	0.23	0.23	5.13	ppb
Molybdenum	97-1	0.23	0.39	0.24	0.28	31.46	ppb
Molybdenum	98-1	0.24	0.26	0.18	0.23	18.75	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.02	0.03	0.04	0.03	30.29	ppb
Phosphorus	31-2	-21.56	4.75	-7.72	-8.18		ppb
Potassium	39-2	-0.21	27.08	31.35	19.41	88.22	ppb
Rhodium	103-1				99		%
Rhodium	103-2				99		%
Scandium	45-1				95		%
Scandium	45-2				94		%
Selenium	77-2	-1.24	6.54	2.64	2.64	147.04	ppb
Selenium	78-2	0.68	0.67	-0.62	0.24	308.23	ppb
Selenium	82-1	1.14	1.31	-0.53	0.64	158.50	ppb
Silicon	28-1	-21.28	-19.79	-20.28	-20.45		ppb
Silver	109-1	0.11	0.13	0.09	0.11	17.12	ppb
Silver	107-1	0.08	0.08	0.08	0.08	4.61	ppb
Sodium	23-2	14.61	24.89	17.66	19.05	27.70	ppb
Strontium	86-1	0.03	-0.09	-0.03	-0.03		ppb
Strontium	88-1	0.02	0.03	0.03	0.03	20.72	ppb
Sulfur	34-1	-5825.60	-5097.30	-5391.69	-5438.20		ppb
Terbium	159-1				103		%
Terbium	159-2				98		%
Thallium	203-1	0.06	0.06	0.05	0.06	12.82	ppb
Thallium	205-1	0.03	0.05	0.03	0.04	27.70	ppb
Tin	118-1	0.04	0.04	0.02	0.03	46.01	ppb
Titanium	47-1	0.11	0.16	0.13	0.13	17.02	ppb
Uranium	238-1	0.02	0.03	0.03	0.02	28.20	ppb
Vanadium	51-2	0.02	0.00	-0.02	0.00		ppb
Yttrium	89-1				99		%
Yttrium	89-2				96		%
Zinc	66-2	0.43	-0.01	-0.18	0.08	396.51	ppb

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	CCB52	Instrumnet Name :	P8
Client Sample ID :	CCB52	Dilution Factor :	1
Date & Time Acquired ::	2019-01-21 14:57:29	DataFile Name :	036CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	90-1	0.01	0.03	0.03	0.02	47.32	ppb
Zirconium	91-1	0.02	0.03	-0.01	0.02	136.44	ppb

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	K1079-06	Instrumnet Name :	P8
Client Sample ID :	EPA-MW-29-BR-0107201	Dilution Factor :	1
Date & Time Acquired ::	2019-01-21 15:07:22	DataFile Name :	037SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	2.09	2.70	2.98	2.59	17.58	ppb
Antimony	121-1	0.20	0.16	0.21	0.19	14.55	ppb
Arsenic	75-2	1.35	1.78	1.65	1.59	13.91	ppb
Barium	135-1	149.03	144.88	146.03	146.65	1.46	ppb
Barium	137-1	147.80	145.89	148.29	147.33	0.86	ppb
Beryllium	9-1	0.07	0.04	0.04	0.05	31.26	ppb
Bismuth	209-1				96		%
Bismuth	209-2				95		%
Boron	10-1	49.81	57.44	54.75	54.00	7.17	ppb
Boron	11-1	51.61	52.64	52.78	52.34	1.22	ppb
Cadmium	111-1	-0.13	-0.08	-0.04	-0.08		ppb
Cadmium	106-1	-2.08	-1.86	-1.42	-1.79		ppb
Cadmium	108-1	0.36	0.35	0.06	0.26	66.73	ppb
Calcium	43-1	95136.97	94894.38	93274.65	94435.33	1.07	ppb
Calcium	44-1	95526.96	93320.49	93188.00	94011.82	1.40	ppb
Chromium	52-2	699.76	694.32	692.69	695.59	0.53	ppb
Cobalt	59-2	1.72	1.69	1.62	1.68	2.82	ppb
Copper	63-2	0.53	0.45	0.49	0.49	7.76	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				97		%
Indium	115-1				97		%
Indium	115-2				93		%
Iron	56-2	53.05	51.93	51.68	52.22	1.40	ppb
Iron	57-2	54.98	49.39	52.22	52.20	5.36	ppb
Krypton	83-1						cps
Lead	206-1	0.16	0.21	0.17	0.18	13.81	ppb
Lead	207-1	0.13	0.10	0.11	0.11	11.85	ppb
Lead	208-1	0.14	0.13	0.14	0.14	3.14	ppb
Lithium	6-1				72		%
Magnesium	24-2	15711.18	15563.83	15586.63	15620.55	0.51	ppb

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	K1079-06	Instrumnet Name :	P8
Client Sample ID :	EPA-MW-29-BR-0107201	Dilution Factor :	1
Date & Time Acquired ::	2019-01-21 15:07:22	DataFile Name :	037SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	1807.36	1801.59	1788.59	1799.18	0.53	ppb
Molybdenum	94-1	0.46	0.46	0.51	0.48	5.98	ppb
Molybdenum	95-1	0.55	0.49	0.63	0.56	12.89	ppb
Molybdenum	96-1	0.58	0.59	0.68	0.62	8.54	ppb
Molybdenum	97-1	0.64	0.47	0.64	0.58	17.01	ppb
Molybdenum	98-1	0.64	0.62	0.54	0.60	8.59	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	8.43	8.48	8.77	8.56	2.18	ppb
Phosphorus	31-2	-21.18	-7.82	-8.00	-12.33		ppb
Potassium	39-2	1728.61	1688.88	1738.65	1718.71	1.53	ppb
Rhodium	103-1				93		%
Rhodium	103-2				93		%
Scandium	45-1				92		%
Scandium	45-2				93		%
Selenium	77-2	-1.24	2.76	2.68	1.40	163.37	ppb
Selenium	78-2	4.64	3.39	0.03	2.69	88.68	ppb
Selenium	82-1	2.72	2.64	2.30	2.55	8.86	ppb
Silicon	28-1	5778.43	5618.69	5654.28	5683.80	1.48	ppb
Silver	109-1	0.09	0.07	0.05	0.07	24.81	ppb
Silver	107-1	0.08	0.04	0.08	0.07	28.90	ppb
Sodium	23-2	89605.72	88395.21	88711.90	88904.28	0.71	ppb
Strontium	86-1	142.80	139.59	139.07	140.49	1.44	ppb
Strontium	88-1	145.95	142.05	144.54	144.18	1.37	ppb
Sulfur	34-1	6874.55	5666.29	5977.01	6172.62	10.16	ppb
Terbium	159-1				99		%
Terbium	159-2				95		%
Thallium	203-1	0.01	0.00	0.01	0.01	113.25	ppb
Thallium	205-1	0.02	0.02	0.01	0.02	25.12	ppb
Tin	118-1	0.02	0.03	0.06	0.04	58.40	ppb
Titanium	47-1	0.22	0.47	0.24	0.31	45.72	ppb
Uranium	238-1	0.31	0.33	0.36	0.33	7.27	ppb
Vanadium	51-2	0.40	0.25	0.37	0.34	22.99	ppb
Yttrium	89-1				95		%
Yttrium	89-2				94		%
Zinc	66-2	6.06	5.51	4.86	5.48	10.96	ppb

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	K1079-06	Instrumnet Name :	P8
Client Sample ID :	EPA-MW-29-BR-0107201	Dilution Factor :	1
Date & Time Acquired ::	2019-01-21 15:07:22	DataFile Name :	037SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	90-1	0.05	0.06	0.05	0.05	11.09	ppb
Zirconium	91-1	0.05	0.06	0.01	0.04	56.93	ppb

LB Number : LB100421 Operator : Jaswal
 Lab Sample ID : K1079-08 Instrumnet Name : P8
 Client Sample ID : EPA-MW-29-OB-010720 Dilution Factor : 1
 Date & Time Acquired :: 2019-01-21 15:10:55 DataFile Name : 038SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	544.24	562.20	568.43	558.29	2.25	ppb
Antimony	121-1	7.91	8.29	7.96	8.05	2.52	ppb
Arsenic	75-2	0.10	0.20	0.04	0.11	72.90	ppb
Barium	135-1	4.33	4.21	3.96	4.16	4.56	ppb
Barium	137-1	4.57	4.34	4.21	4.37	4.12	ppb
Beryllium	9-1	0.25	0.23	0.26	0.24	6.71	ppb
Bismuth	209-1				105		%
Bismuth	209-2				99		%
Boron	10-1	360.33	357.95	369.19	362.49	1.63	ppb
Boron	11-1	360.43	356.54	367.01	361.32	1.47	ppb
Cadmium	111-1	3.78	3.65	3.61	3.68	2.34	ppb
Cadmium	106-1	1.49	-0.12	1.16	0.84	100.70	ppb
Cadmium	108-1	3.73	4.13	3.04	3.63	15.10	ppb
Calcium	43-1	43160.21	43427.40	43336.48	43308.03	0.31	ppb
Calcium	44-1	44069.83	43683.48	44100.22	43951.18	0.53	ppb
Chromium	52-2	44821.26	45570.94	44782.50	45058.23	0.99	ppb
Cobalt	59-2	10.29	10.80	10.28	10.46	2.84	ppb
Copper	63-2	1121.11	1152.25	1130.79	1134.72	1.40	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				105		%
Holmium	165-2				101		%
Indium	115-1				100		%
Indium	115-2				94		%
Iron	56-2	810.10	836.90	829.27	825.42	1.67	ppb
Iron	57-2	817.25	827.06	799.41	814.58	1.72	ppb
Krypton	83-1						cps
Lead	206-1	0.79	0.81	0.79	0.79	1.39	ppb
Lead	207-1	0.70	0.79	0.68	0.72	7.91	ppb
Lead	208-1	0.74	0.76	0.74	0.75	1.58	ppb
Lithium	6-1				74		%
Magnesium	24-2	7371.63	7554.16	7362.34	7429.37	1.46	ppb

LB Number : LB100421 Operator : Jaswal
 Lab Sample ID : K1079-08 Instrumnet Name : P8
 Client Sample ID : EPA-MW-29-OB-010720 Dilution Factor : 1
 Date & Time Acquired :: 2019-01-21 15:10:55 DataFile Name : 038SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	776.45	803.48	800.42	793.45	1.87	ppb
Molybdenum	94-1	0.72	0.96	0.71	0.80	18.09	ppb
Molybdenum	95-1	0.42	0.49	0.39	0.43	12.40	ppb
Molybdenum	96-1	0.47	0.49	0.47	0.48	1.90	ppb
Molybdenum	97-1	0.48	0.46	0.47	0.47	2.82	ppb
Molybdenum	98-1	0.41	0.44	0.47	0.44	6.52	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	83.24	84.49	83.16	83.63	0.89	ppb
Phosphorus	31-2	6.37	-34.70	34.75	2.14	1629.56	ppb
Potassium	39-2	1910.56	2010.17	1951.00	1957.24	2.56	ppb
Rhodium	103-1				96		%
Rhodium	103-2				94		%
Scandium	45-1				94		%
Scandium	45-2				90		%
Selenium	77-2	-1.24	2.72	18.90	6.79	157.11	ppb
Selenium	78-2	2.73	1.36	2.73	2.28	34.79	ppb
Selenium	82-1	3.23	2.66	2.52	2.80	13.52	ppb
Silicon	28-1	29457.16	29227.49	29437.17	29373.94	0.43	ppb
Silver	109-1	0.09	0.09	0.11	0.10	12.96	ppb
Silver	107-1	0.09	0.09	0.07	0.09	13.37	ppb
Sodium	23-2	172454.71	177332.90	171999.25	173928.95	1.70	ppb
Strontium	86-1	39.69	40.02	37.77	39.16	3.10	ppb
Strontium	88-1	39.01	38.53	38.52	38.69	0.73	ppb
Sulfur	34-1	23540.23	23789.31	23568.83	23632.79	0.58	ppb
Terbium	159-1				103		%
Terbium	159-2				98		%
Thallium	203-1	0.02	0.02	0.00	0.01	65.56	ppb
Thallium	205-1	0.01	0.00	0.01	0.00	51.54	ppb
Tin	118-1	0.01	0.03	0.07	0.04	98.97	ppb
Titanium	47-1	2.14	2.36	2.48	2.33	7.50	ppb
Uranium	238-1	0.06	0.06	0.06	0.06	1.33	ppb
Vanadium	51-2	0.15	0.09	0.12	0.12	24.70	ppb
Yttrium	89-1				98		%
Yttrium	89-2				93		%
Zinc	66-2	99.28	101.93	101.35	100.85	1.38	ppb

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	K1079-08	Instrumnet Name :	P8
Client Sample ID :	EPA-MW-29-OB-010720	Dilution Factor :	1
Date & Time Acquired ::	2019-01-21 15:10:55	DataFile Name :	038SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	90-1	0.33	0.34	0.31	0.33	5.01	ppb
Zirconium	91-1	0.34	0.40	0.30	0.35	14.87	ppb

LB Number : LB100421 Operator : Jaswal
 Lab Sample ID : K1079-12 Instrumnet Name : P8
 Client Sample ID : EPA-MW-39-OB-010720 Dilution Factor : 1
 Date & Time Acquired :: 2019-01-21 15:14:26 DataFile Name : 039SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	1260.14	1249.52	1301.71	1270.46	2.17	ppb
Antimony	121-1	0.16	0.18	0.15	0.17	10.74	ppb
Arsenic	75-2	1.01	0.66	1.38	1.02	35.43	ppb
Barium	135-1	127.78	130.34	128.45	128.86	1.03	ppb
Barium	137-1	128.44	131.06	129.29	129.60	1.03	ppb
Beryllium	9-1	1.61	1.55	1.66	1.61	3.31	ppb
Bismuth	209-1				103		%
Bismuth	209-2				99		%
Boron	10-1	2601.80	2639.23	2663.53	2634.85	1.18	ppb
Boron	11-1	2660.94	2709.52	2779.90	2716.78	2.20	ppb
Cadmium	111-1	318.70	323.37	319.47	320.51	0.78	ppb
Cadmium	106-1	270.78	284.98	285.86	280.54	3.02	ppb
Cadmium	108-1	299.75	294.94	288.54	294.41	1.91	ppb
Calcium	43-1	98042.10	99530.27	96274.12	97948.83	1.66	ppb
Calcium	44-1	97092.79	98009.68	96954.43	97352.30	0.59	ppb
Chromium	52-2	43966.90	44494.10	45582.76	44681.26	1.84	ppb
Cobalt	59-2	22.04	21.95	22.55	22.18	1.46	ppb
Copper	63-2	1413.00	1404.42	1446.59	1421.34	1.57	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				106		%
Holmium	165-2				102		%
Indium	115-1				100		%
Indium	115-2				94		%
Iron	56-2	64.08	63.72	65.41	64.40	1.38	ppb
Iron	57-2	67.28	61.43	71.43	66.71	7.53	ppb
Krypton	83-1						cps
Lead	206-1	0.21	0.29	0.24	0.24	16.20	ppb
Lead	207-1	0.23	0.24	0.21	0.23	4.61	ppb
Lead	208-1	0.22	0.25	0.24	0.23	6.48	ppb
Lithium	6-1				73		%
Magnesium	24-2	17347.13	17579.21	17977.47	17634.60	1.81	ppb

LB Number : LB100421 Operator : Jaswal
 Lab Sample ID : K1079-12 Instrumnet Name : P8
 Client Sample ID : EPA-MW-39-OB-010720 Dilution Factor : 1
 Date & Time Acquired :: 2019-01-21 15:14:26 DataFile Name : 039SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	7800.38	7913.50	8121.53	7945.14	2.05	ppb
Molybdenum	94-1	0.36	0.38	0.37	0.37	2.54	ppb
Molybdenum	95-1	0.54	0.64	0.54	0.57	10.84	ppb
Molybdenum	96-1	0.56	0.53	0.49	0.53	6.37	ppb
Molybdenum	97-1	0.65	0.60	0.58	0.61	6.04	ppb
Molybdenum	98-1	0.61	0.51	0.51	0.54	10.59	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	798.78	799.50	818.12	805.47	1.36	ppb
Phosphorus	31-2	-7.14	7.08	-6.23	-2.10		ppb
Potassium	39-2	3822.66	3911.42	3888.21	3874.10	1.19	ppb
Rhodium	103-1				94		%
Rhodium	103-2				94		%
Scandium	45-1				93		%
Scandium	45-2				89		%
Selenium	77-2	51.52	70.95	80.94	67.80	22.06	ppb
Selenium	78-2	18.62	12.50	19.10	16.74	21.97	ppb
Selenium	82-1	3.12	4.43	3.61	3.72	17.83	ppb
Silicon	28-1	8954.61	8879.61	8787.44	8873.89	0.94	ppb
Silver	109-1	0.05	0.03	0.05	0.04	21.37	ppb
Silver	107-1	0.05	0.04	0.04	0.05	18.29	ppb
Sodium	23-2	266673.36	269866.54	273718.48	270086.13	1.31	ppb
Strontium	86-1	287.50	288.43	287.22	287.72	0.22	ppb
Strontium	88-1	294.95	293.37	291.88	293.40	0.52	ppb
Sulfur	34-1	118844.54	118992.18	116664.03	118166.92	1.10	ppb
Terbium	159-1				104		%
Terbium	159-2				99		%
Thallium	203-1	0.01	0.04	0.04	0.03	54.03	ppb
Thallium	205-1	0.05	0.03	0.04	0.04	23.78	ppb
Tin	118-1	0.01	0.03	0.04	0.03	44.72	ppb
Titanium	47-1	0.40	0.33	0.31	0.35	14.86	ppb
Uranium	238-1	0.18	0.17	0.15	0.17	9.75	ppb
Vanadium	51-2	0.21	0.18	0.17	0.19	9.30	ppb
Yttrium	89-1				119		%
Yttrium	89-2				113		%
Zinc	66-2	574.27	579.73	595.74	583.24	1.91	ppb

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	K1079-12	Instrumnet Name :	P8
Client Sample ID :	EPA-MW-39-OB-010720	Dilution Factor :	1
Date & Time Acquired ::	2019-01-21 15:14:26	DataFile Name :	039SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	90-1	0.02	0.01	0.01	0.01	48.90	ppb
Zirconium	91-1	-0.01	0.01	0.01	0.00	300.09	ppb

LB Number : LB100421 Operator : Jaswal
 Lab Sample ID : K1079-12DUP Instrumnet Name : P8
 Client Sample ID : EPA-MW-39-OB-010720 Dilution Factor : 1
 Date & Time Acquired :: 2019-01-21 15:17:54 DataFile Name : 040SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	1275.82	1295.89	1290.28	1287.33	0.80	ppb
Antimony	121-1	0.19	0.15	0.20	0.18	15.16	ppb
Arsenic	75-2	1.03	0.87	1.15	1.01	13.85	ppb
Barium	135-1	128.94	126.96	127.87	127.92	0.77	ppb
Barium	137-1	128.41	129.75	131.26	129.81	1.10	ppb
Beryllium	9-1	1.49	1.62	1.70	1.60	6.77	ppb
Bismuth	209-1				105		%
Bismuth	209-2				100		%
Boron	10-1	2626.49	2657.08	2679.25	2654.27	1.00	ppb
Boron	11-1	2658.44	2706.62	2757.08	2707.38	1.82	ppb
Cadmium	111-1	317.63	319.31	318.87	318.60	0.27	ppb
Cadmium	106-1	275.38	272.27	285.15	277.60	2.42	ppb
Cadmium	108-1	293.37	296.91	295.22	295.17	0.60	ppb
Calcium	43-1	97492.56	99408.77	95939.89	97613.74	1.78	ppb
Calcium	44-1	97239.10	98643.32	95614.56	97165.66	1.56	ppb
Chromium	52-2	44180.20	44562.37	45004.07	44582.21	0.92	ppb
Cobalt	59-2	22.24	22.23	22.33	22.27	0.25	ppb
Copper	63-2	1394.58	1407.50	1425.27	1409.11	1.09	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				107		%
Holmium	165-2				102		%
Indium	115-1				101		%
Indium	115-2				94		%
Iron	56-2	63.48	63.22	64.92	63.87	1.44	ppb
Iron	57-2	69.95	61.79	65.09	65.61	6.26	ppb
Krypton	83-1						cps
Lead	206-1	0.21	0.24	0.19	0.21	11.44	ppb
Lead	207-1	0.18	0.14	0.19	0.17	15.21	ppb
Lead	208-1	0.19	0.18	0.18	0.18	1.68	ppb
Lithium	6-1				74		%
Magnesium	24-2	17420.14	17707.83	17921.45	17683.14	1.42	ppb

LB Number : LB100421 Operator : Jaswal
 Lab Sample ID : K1079-12DUP Instrumnet Name : P8
 Client Sample ID : EPA-MW-39-OB-010720 Dilution Factor : 1
 Date & Time Acquired :: 2019-01-21 15:17:54 DataFile Name : 040SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	7969.09	8011.55	8036.02	8005.55	0.42	ppb
Molybdenum	94-1	0.40	0.37	0.41	0.39	5.84	ppb
Molybdenum	95-1	0.58	0.62	0.55	0.58	5.69	ppb
Molybdenum	96-1	0.54	0.56	0.51	0.54	3.91	ppb
Molybdenum	97-1	0.50	0.51	0.59	0.54	9.49	ppb
Molybdenum	98-1	0.56	0.63	0.59	0.59	5.39	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	799.70	799.32	811.96	803.66	0.89	ppb
Phosphorus	31-2	-7.07	-6.86	-34.70	-16.21		ppb
Potassium	39-2	3930.28	3844.69	3854.39	3876.45	1.21	ppb
Rhodium	103-1				95		%
Rhodium	103-2				95		%
Scandium	45-1				94		%
Scandium	45-2				89		%
Selenium	77-2	54.29	41.31	44.21	46.60	14.62	ppb
Selenium	78-2	18.43	20.11	11.28	16.61	28.23	ppb
Selenium	82-1	4.21	3.25	3.77	3.74	12.93	ppb
Silicon	28-1	8945.47	8935.70	8791.07	8890.75	0.97	ppb
Silver	109-1	0.03	0.05	0.05	0.05	29.04	ppb
Silver	107-1	0.02	0.05	0.05	0.04	47.21	ppb
Sodium	23-2	268595.75	271339.38	273608.76	271181.30	0.93	ppb
Strontium	86-1	285.82	286.19	287.63	286.55	0.33	ppb
Strontium	88-1	295.11	293.19	292.91	293.74	0.41	ppb
Sulfur	34-1	116029.93	118276.59	114179.47	116162.00	1.77	ppb
Terbium	159-1				106		%
Terbium	159-2				100		%
Thallium	203-1	0.03	0.04	0.02	0.03	38.16	ppb
Thallium	205-1	0.04	0.02	0.06	0.04	41.55	ppb
Tin	118-1	0.05	0.03	0.04	0.04	16.51	ppb
Titanium	47-1	0.48	0.31	0.43	0.40	20.72	ppb
Uranium	238-1	0.15	0.16	0.18	0.16	8.80	ppb
Vanadium	51-2	0.13	0.10	0.14	0.12	17.36	ppb
Yttrium	89-1				119		%
Yttrium	89-2				114		%
Zinc	66-2	579.70	585.52	594.15	586.46	1.24	ppb

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	K1079-12DUP	Instrumnet Name :	P8
Client Sample ID :	EPA-MW-39-OB-010720	Dilution Factor :	1
Date & Time Acquired ::	2019-01-21 15:17:54	DataFile Name :	040SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	90-1	0.00	0.02	0.01	0.01	52.29	ppb
Zirconium	91-1	0.00	0.00	-0.01	0.00		ppb

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	K1079-12LX5	Instrumnet Name :	P8
Client Sample ID :	EPA-MW-39-OB-010720	Dilution Factor :	5
Date & Time Acquired ::	2019-01-21 15:21:22	DataFile Name :	041SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	240.73	240.04	256.31	245.69	3.74	ppb
Antimony	121-1	0.04	0.05	0.04	0.05	12.18	ppb
Arsenic	75-2	0.32	0.22	0.22	0.25	23.11	ppb
Barium	135-1	25.48	25.04	25.60	25.37	1.17	ppb
Barium	137-1	25.26	25.61	26.42	25.76	2.30	ppb
Beryllium	9-1	0.31	0.35	0.28	0.31	11.63	ppb
Bismuth	209-1				113		%
Bismuth	209-2				105		%
Boron	10-1	522.29	542.39	539.52	534.73	2.03	ppb
Boron	11-1	529.22	537.52	536.24	534.33	0.84	ppb
Cadmium	111-1	65.54	64.88	65.06	65.16	0.53	ppb
Cadmium	106-1	57.94	58.96	59.11	58.67	1.08	ppb
Cadmium	108-1	59.73	57.53	60.39	59.22	2.53	ppb
Calcium	43-1	19054.45	19133.32	19336.45	19174.74	0.76	ppb
Calcium	44-1	19635.25	19701.51	19662.51	19666.42	0.17	ppb
Chromium	52-2	8749.72	9007.33	8876.50	8877.85	1.45	ppb
Cobalt	59-2	4.43	4.49	4.35	4.42	1.53	ppb
Copper	63-2	269.22	278.53	277.36	275.04	1.84	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				111		%
Holmium	165-2				106		%
Indium	115-1				107		%
Indium	115-2				100		%
Iron	56-2	13.23	13.26	13.32	13.27	0.35	ppb
Iron	57-2	17.89	9.81	8.26	11.99	43.16	ppb
Krypton	83-1						cps
Lead	206-1	0.10	0.11	0.10	0.10	4.18	ppb
Lead	207-1	0.10	0.07	0.06	0.08	23.58	ppb
Lead	208-1	0.10	0.09	0.09	0.09	3.55	ppb
Lithium	6-1				79		%
Magnesium	24-2	3516.88	3479.59	3556.22	3517.56	1.09	ppb

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	K1079-12LX5	Instrumnet Name :	P8
Client Sample ID :	EPA-MW-39-OB-010720	Dilution Factor :	5
Date & Time Acquired ::	2019-01-21 15:21:22	DataFile Name :	041SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	1528.47	1563.32	1560.49	1550.76	1.25	ppb
Molybdenum	94-1	0.08	0.09	0.08	0.09	4.60	ppb
Molybdenum	95-1	0.11	0.09	0.11	0.10	11.09	ppb
Molybdenum	96-1	0.10	0.11	0.17	0.13	29.33	ppb
Molybdenum	97-1	0.15	0.17	0.15	0.16	6.76	ppb
Molybdenum	98-1	0.16	0.12	0.09	0.12	29.28	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	159.66	162.67	163.62	161.98	1.27	ppb
Phosphorus	31-2	-8.85	-34.70	-34.70	-26.08		ppb
Potassium	39-2	786.22	779.72	785.53	783.82	0.46	ppb
Rhodium	103-1				103		%
Rhodium	103-2				101		%
Scandium	45-1				98		%
Scandium	45-2				95		%
Selenium	77-2	27.23	20.45	34.63	27.44	25.86	ppb
Selenium	78-2	4.12	1.79	2.37	2.76	44.01	ppb
Selenium	82-1	0.74	1.49	1.27	1.17	33.14	ppb
Silicon	28-1	1763.66	1766.72	1750.57	1760.32	0.49	ppb
Silver	109-1	0.02	0.02	0.03	0.02	28.76	ppb
Silver	107-1	0.01	0.01	0.02	0.01	77.45	ppb
Sodium	23-2	53269.53	54294.67	55273.41	54279.20	1.85	ppb
Strontium	86-1	66.87	66.29	65.27	66.14	1.23	ppb
Strontium	88-1	66.40	65.82	64.87	65.69	1.18	ppb
Sulfur	34-1	24242.53	24021.74	24041.42	24101.89	0.51	ppb
Terbium	159-1				110		%
Terbium	159-2				104		%
Thallium	203-1	0.01	0.01	0.00	0.01	76.28	ppb
Thallium	205-1	0.01	0.01	0.00	0.01	39.46	ppb
Tin	118-1	-0.01	-0.03	0.00	-0.01		ppb
Titanium	47-1	0.02	0.06	0.05	0.04	45.97	ppb
Uranium	238-1	0.02	0.02	0.03	0.02	15.83	ppb
Vanadium	51-2	0.04	0.00	0.00	0.01	201.52	ppb
Yttrium	89-1				109		%
Yttrium	89-2				104		%
Zinc	66-2	117.94	116.75	116.86	117.18	0.56	ppb

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	K1079-12LX5	Instrumnet Name :	P8
Client Sample ID :	EPA-MW-39-OB-010720	Dilution Factor :	5
Date & Time Acquired ::	2019-01-21 15:21:22	DataFile Name :	041SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	90-1	0.01	0.00	0.00	0.00	73.52	ppb
Zirconium	91-1	-0.01	-0.03	-0.01	-0.01		ppb

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	K1079-13	Instrumnet Name :	P8
Client Sample ID :	EPA-MW-39-OB-010720	Dilution Factor :	1
Date & Time Acquired ::	2019-01-21 15:24:55	DataFile Name :	042SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	10437.51	10235.21	10255.23	10309.32	1.08	ppb
Antimony	121-1	502.30	494.29	476.80	491.13	2.66	ppb
Arsenic	75-2	410.73	414.21	416.81	413.92	0.74	ppb
Barium	135-1	2667.24	2670.59	2544.28	2627.37	2.74	ppb
Barium	137-1	2693.34	2667.76	2532.65	2631.25	3.28	ppb
Beryllium	9-1	467.72	451.21	443.58	454.17	2.72	ppb
Bismuth	209-1				105		%
Bismuth	209-2				92		%
Boron	10-1	2710.33	2644.92	2627.71	2660.99	1.64	ppb
Boron	11-1	2715.32	2651.07	2633.39	2666.59	1.62	ppb
Cadmium	111-1	777.72	779.44	747.66	768.27	2.33	ppb
Cadmium	106-1	737.37	738.41	697.17	724.31	3.25	ppb
Cadmium	108-1	739.81	730.09	699.33	723.08	2.92	ppb
Calcium	43-1	150612.28	149256.03	149469.72	149779.35	0.49	ppb
Calcium	44-1	149879.98	149611.59	148445.79	149312.45	0.51	ppb
Chromium	52-2	46685.09	46473.85	46116.58	46425.17	0.62	ppb
Cobalt	59-2	571.48	573.26	578.32	574.35	0.62	ppb
Copper	63-2	2680.91	2682.32	2692.79	2685.34	0.24	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				106		%
Holmium	165-2				94		%
Indium	115-1				96		%
Indium	115-2				80		%
Iron	56-2	27860.78	27543.65	27629.38	27677.93	0.59	ppb
Iron	57-2	27065.69	26742.43	27052.69	26953.60	0.68	ppb
Krypton	83-1						cps
Lead	206-1	499.71	498.16	486.67	494.85	1.44	ppb
Lead	207-1	477.19	479.48	469.99	475.55	1.04	ppb
Lead	208-1	501.19	506.89	494.60	500.89	1.23	ppb
Lithium	6-1				71		%
Magnesium	24-2	71503.21	71308.91	71612.01	71474.71	0.21	ppb

LB Number : LB100421 Operator : Jaswal
 Lab Sample ID : K1079-13 Instrumnet Name : P8
 Client Sample ID : EPA-MW-39-OB-010720 Dilution Factor : 1
 Date & Time Acquired :: 2019-01-21 15:24:55 DataFile Name : 042SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	9129.79	9043.14	9051.43	9074.78	0.53	ppb
Molybdenum	94-1	2230.51	2241.92	2199.83	2224.09	0.98	ppb
Molybdenum	95-1	2189.49	2254.85	2167.56	2203.97	2.06	ppb
Molybdenum	96-1	2219.12	2224.90	2185.19	2209.74	0.97	ppb
Molybdenum	97-1	2225.22	2244.73	2168.01	2212.65	1.80	ppb
Molybdenum	98-1	2235.51	2217.83	2184.61	2212.65	1.17	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	1392.94	1403.71	1402.12	1399.59	0.42	ppb
Phosphorus	31-2	-18.45	14.29	14.58	3.47	546.83	ppb
Potassium	39-2	27032.09	27062.19	27318.80	27137.69	0.58	ppb
Rhodium	103-1				88		%
Rhodium	103-2				85		%
Scandium	45-1				83		%
Scandium	45-2				76		%
Selenium	77-2	437.56	458.86	514.67	470.36	8.47	ppb
Selenium	78-2	368.81	401.29	367.49	379.20	5.05	ppb
Selenium	82-1	413.43	414.20	411.86	413.16	0.29	ppb
Silicon	28-1	8576.31	8617.25	8479.57	8557.71	0.83	ppb
Silver	109-1	477.90	485.47	460.51	474.63	2.70	ppb
Silver	107-1	479.03	473.07	452.91	468.33	2.92	ppb
Sodium	23-2	324451.40	322577.42	323296.44	323441.75	0.29	ppb
Strontium	86-1	719.06	720.08	709.47	716.20	0.82	ppb
Strontium	88-1	729.44	723.70	727.76	726.97	0.41	ppb
Sulfur	34-1	112532.57	112058.09	108956.74	111182.47	1.75	ppb
Terbium	159-1				104		%
Terbium	159-2				92		%
Thallium	203-1	504.68	496.73	496.12	499.18	0.96	ppb
Thallium	205-1	528.83	525.82	513.14	522.60	1.59	ppb
Tin	118-1	467.38	463.47	450.40	460.42	1.93	ppb
Titanium	47-1	2644.94	2600.72	2614.35	2620.00	0.86	ppb
Uranium	238-1	540.68	536.86	533.59	537.04	0.66	ppb
Vanadium	51-2	540.13	530.24	533.15	534.51	0.95	ppb
Yttrium	89-1				111		%
Yttrium	89-2				97		%
Zinc	66-2	1655.34	1643.71	1629.02	1642.69	0.80	ppb

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	K1079-13	Instrumnet Name :	P8
Client Sample ID :	EPA-MW-39-OB-010720	Dilution Factor :	1
Date & Time Acquired ::	2019-01-21 15:24:55	DataFile Name :	042SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	90-1	448.86	449.01	443.66	447.18	0.68	ppb
Zirconium	91-1	432.05	431.94	427.18	430.39	0.65	ppb

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	K1079-14	Instrumnet Name :	P8
Client Sample ID :	EPA-MW-39-OB-010720	Dilution Factor :	1
Date & Time Acquired ::	2019-01-21 15:28:16	DataFile Name :	043SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	10089.60	10284.64	9891.78	10088.68	1.95	ppb
Antimony	121-1	480.89	474.56	474.53	476.66	0.77	ppb
Arsenic	75-2	410.09	402.57	408.29	406.98	0.96	ppb
Barium	135-1	2541.08	2605.98	2551.77	2566.28	1.36	ppb
Barium	137-1	2588.35	2578.94	2578.91	2582.07	0.21	ppb
Beryllium	9-1	454.04	454.38	458.94	455.79	0.60	ppb
Bismuth	209-1				113		%
Bismuth	209-2				93		%
Boron	10-1	2632.19	2695.41	2721.98	2683.19	1.72	ppb
Boron	11-1	2615.90	2670.84	2670.72	2652.49	1.19	ppb
Cadmium	111-1	733.51	751.40	745.31	743.41	1.22	ppb
Cadmium	106-1	690.12	700.50	688.44	693.02	0.94	ppb
Cadmium	108-1	696.34	714.22	704.15	704.90	1.27	ppb
Calcium	43-1	147288.01	148913.30	150413.92	148871.74	1.05	ppb
Calcium	44-1	148579.55	147803.67	148269.18	148217.47	0.26	ppb
Chromium	52-2	46832.22	47310.75	46061.76	46734.91	1.35	ppb
Cobalt	59-2	587.90	584.99	575.65	582.85	1.10	ppb
Copper	63-2	2709.37	2700.84	2678.14	2696.12	0.60	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				114		%
Holmium	165-2				95		%
Indium	115-1				98		%
Indium	115-2				78		%
Iron	56-2	27494.65	27673.17	27234.25	27467.36	0.80	ppb
Iron	57-2	27132.21	26843.56	26884.82	26953.53	0.58	ppb
Krypton	83-1						cps
Lead	206-1	499.82	505.33	508.75	504.63	0.89	ppb
Lead	207-1	478.89	480.73	482.99	480.87	0.43	ppb
Lead	208-1	505.25	508.25	509.47	507.66	0.43	ppb
Lithium	6-1				67		%
Magnesium	24-2	70317.78	68437.42	69280.71	69345.30	1.36	ppb

LB Number : LB100421 Operator : Jaswal
 Lab Sample ID : K1079-14 Instrumnet Name : P8
 Client Sample ID : EPA-MW-39-OB-010720 Dilution Factor : 1
 Date & Time Acquired :: 2019-01-21 15:28:16 DataFile Name : 043SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	8982.64	9102.38	8878.18	8987.74	1.25	ppb
Molybdenum	94-1	2229.38	2205.17	2174.97	2203.17	1.24	ppb
Molybdenum	95-1	2201.38	2177.96	2168.03	2182.46	0.78	ppb
Molybdenum	96-1	2222.82	2214.76	2195.25	2210.94	0.64	ppb
Molybdenum	97-1	2233.10	2232.07	2216.70	2227.29	0.41	ppb
Molybdenum	98-1	2254.41	2209.86	2178.26	2214.18	1.73	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	1439.59	1431.35	1401.32	1424.09	1.41	ppb
Phosphorus	31-2	-17.61	-17.66	-1.01	-12.10		ppb
Potassium	39-2	26587.06	26686.89	26369.37	26547.77	0.61	ppb
Rhodium	103-1				90		%
Rhodium	103-2				86		%
Scandium	45-1				81		%
Scandium	45-2				73		%
Selenium	77-2	475.75	403.80	383.48	421.01	11.52	ppb
Selenium	78-2	377.93	365.43	378.17	373.84	1.95	ppb
Selenium	82-1	418.03	407.63	411.11	412.26	1.28	ppb
Silicon	28-1	8325.51	8164.46	8198.15	8229.37	1.03	ppb
Silver	109-1	451.81	461.87	458.92	457.53	1.13	ppb
Silver	107-1	453.91	446.07	451.84	450.61	0.90	ppb
Sodium	23-2	321671.75	323095.02	315351.21	320039.33	1.29	ppb
Strontium	86-1	719.53	705.73	712.26	712.51	0.97	ppb
Strontium	88-1	729.03	710.25	714.77	718.02	1.37	ppb
Sulfur	34-1	106479.91	104166.76	104417.54	105021.40	1.21	ppb
Terbium	159-1				111		%
Terbium	159-2				93		%
Thallium	203-1	496.83	508.47	506.04	503.78	1.22	ppb
Thallium	205-1	521.76	533.60	540.23	531.86	1.76	ppb
Tin	118-1	441.33	448.14	449.35	446.27	0.97	ppb
Titanium	47-1	2604.67	2562.92	2578.39	2581.99	0.82	ppb
Uranium	238-1	544.71	545.75	550.15	546.87	0.53	ppb
Vanadium	51-2	538.30	534.68	530.15	534.37	0.76	ppb
Yttrium	89-1				112		%
Yttrium	89-2				95		%
Zinc	66-2	1662.00	1656.05	1635.42	1651.16	0.84	ppb

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	K1079-14	Instrumnet Name :	P8
Client Sample ID :	EPA-MW-39-OB-010720	Dilution Factor :	1
Date & Time Acquired ::	2019-01-21 15:28:16	DataFile Name :	043SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	90-1	453.72	451.69	445.15	450.19	0.99	ppb
Zirconium	91-1	435.35	425.54	423.39	428.09	1.49	ppb

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	K1079-12A	Instrumnet Name :	P8
Client Sample ID :	EPA-MW-39-OB-010720	Dilution Factor :	1
Date & Time Acquired ::	2019-01-21 15:31:37	DataFile Name :	044SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	9980.03	10125.94	10163.78	10089.92	0.96	ppb
Antimony	121-1	483.73	474.83	473.17	477.24	1.19	ppb
Arsenic	75-2	406.63	416.05	409.13	410.60	1.19	ppb
Barium	135-1	2573.81	2548.11	2558.96	2560.29	0.50	ppb
Barium	137-1	2573.29	2564.13	2582.24	2573.22	0.35	ppb
Beryllium	9-1	476.33	478.31	481.02	478.55	0.49	ppb
Bismuth	209-1				118		%
Bismuth	209-2				95		%
Boron	10-1	2769.70	2850.76	2854.13	2824.86	1.69	ppb
Boron	11-1	2727.48	2761.93	2855.28	2781.56	2.38	ppb
Cadmium	111-1	737.07	732.00	730.71	733.26	0.46	ppb
Cadmium	106-1	688.90	676.79	680.13	681.94	0.92	ppb
Cadmium	108-1	702.39	695.17	698.68	698.75	0.52	ppb
Calcium	43-1	149161.84	148138.63	150237.34	149179.27	0.70	ppb
Calcium	44-1	148279.00	146532.11	148001.16	147604.09	0.64	ppb
Chromium	52-2	47358.92	46990.33	46364.64	46904.63	1.07	ppb
Cobalt	59-2	590.70	587.58	576.99	585.09	1.23	ppb
Copper	63-2	2701.90	2719.54	2690.23	2703.89	0.55	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				118		%
Holmium	165-2				96		%
Indium	115-1				100		%
Indium	115-2				77		%
Iron	56-2	28179.48	28018.53	27304.85	27834.29	1.67	ppb
Iron	57-2	27305.99	27005.67	26794.59	27035.42	0.95	ppb
Krypton	83-1						cps
Lead	206-1	502.26	495.05	496.21	497.84	0.78	ppb
Lead	207-1	480.76	474.84	473.71	476.44	0.80	ppb
Lead	208-1	505.31	498.11	498.25	500.56	0.82	ppb
Lithium	6-1				63		%
Magnesium	24-2	70152.92	70341.09	70068.77	70187.59	0.20	ppb

LB Number : LB100421 Operator : Jaswal
 Lab Sample ID : K1079-12A Instrumnet Name : P8
 Client Sample ID : EPA-MW-39-OB-010720 Dilution Factor : 1
 Date & Time Acquired :: 2019-01-21 15:31:37 DataFile Name : 044SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	9199.88	9079.07	8885.15	9054.70	1.75	ppb
Molybdenum	94-1	2233.00	2196.42	2252.85	2227.43	1.29	ppb
Molybdenum	95-1	2190.52	2172.67	2240.76	2201.32	1.60	ppb
Molybdenum	96-1	2211.52	2203.14	2261.17	2225.28	1.41	ppb
Molybdenum	97-1	2244.13	2238.06	2287.83	2256.67	1.20	ppb
Molybdenum	98-1	2220.23	2213.13	2255.21	2229.52	1.01	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	1440.26	1439.42	1414.45	1431.38	1.02	ppb
Phosphorus	31-2	-17.64	16.28	15.50	4.71	410.62	ppb
Potassium	39-2	26717.09	26505.69	26373.36	26532.04	0.65	ppb
Rhodium	103-1				92		%
Rhodium	103-2				86		%
Scandium	45-1				80		%
Scandium	45-2				73		%
Selenium	77-2	408.68	347.00	408.52	388.06	9.17	ppb
Selenium	78-2	391.69	406.28	390.89	396.29	2.19	ppb
Selenium	82-1	404.17	403.31	415.85	407.78	1.72	ppb
Silicon	28-1	8172.36	8015.56	8248.87	8145.60	1.46	ppb
Silver	109-1	459.40	459.13	453.14	457.22	0.77	ppb
Silver	107-1	451.25	440.43	442.82	444.84	1.28	ppb
Sodium	23-2	324814.68	325446.23	318062.18	322774.36	1.27	ppb
Strontium	86-1	708.16	700.87	724.19	711.07	1.68	ppb
Strontium	88-1	719.59	718.47	736.43	724.83	1.39	ppb
Sulfur	34-1	103912.09	100220.50	103114.30	102415.63	1.90	ppb
Terbium	159-1				114		%
Terbium	159-2				93		%
Thallium	203-1	496.46	497.02	496.72	496.74	0.06	ppb
Thallium	205-1	523.98	515.96	515.46	518.46	0.92	ppb
Tin	118-1	442.33	435.65	438.10	438.69	0.77	ppb
Titanium	47-1	2611.74	2541.73	2584.68	2579.38	1.37	ppb
Uranium	238-1	544.64	539.14	546.06	543.28	0.67	ppb
Vanadium	51-2	531.42	537.09	533.75	534.09	0.53	ppb
Yttrium	89-1				113		%
Yttrium	89-2				95		%
Zinc	66-2	1668.65	1649.76	1635.95	1651.45	0.99	ppb

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	K1079-12A	Instrumnet Name :	P8
Client Sample ID :	EPA-MW-39-OB-010720	Dilution Factor :	1
Date & Time Acquired ::	2019-01-21 15:31:37	DataFile Name :	044SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	90-1	445.13	443.55	451.33	446.67	0.92	ppb
Zirconium	91-1	427.78	424.62	435.38	429.26	1.29	ppb

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	K1079-16	Instrumnet Name :	P8
Client Sample ID :	EPA-MW-40-OB-010720	Dilution Factor :	1
Date & Time Acquired ::	2019-01-21 15:34:58	DataFile Name :	045SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	19.44	16.01	10.57	15.34	29.15	ppb
Antimony	121-1	0.31	0.34	0.26	0.31	12.32	ppb
Arsenic	75-2	1.94	1.58	2.22	1.91	16.75	ppb
Barium	135-1	112.15	115.65	118.05	115.29	2.57	ppb
Barium	137-1	112.53	115.26	120.17	115.99	3.33	ppb
Beryllium	9-1	0.11	0.13	0.13	0.12	11.54	ppb
Bismuth	209-1				111		%
Bismuth	209-2				93		%
Boron	10-1	5112.25	5277.33	5313.60	5234.39	2.05	ppb
Boron	11-1	5186.67	5358.30	5425.91	5323.63	2.32	ppb
Cadmium	111-1	0.00	-0.04	-0.14	-0.06		ppb
Cadmium	106-1	-0.60	-0.78	-1.98	-1.12		ppb
Cadmium	108-1	0.47	0.92	0.84	0.74	32.27	ppb
Calcium	43-1	81450.52	81754.24	81680.40	81628.39	0.19	ppb
Calcium	44-1	83567.60	83175.45	83888.08	83543.71	0.43	ppb
Chromium	52-2	120.40	120.63	118.41	119.81	1.02	ppb
Cobalt	59-2	4.43	4.68	4.63	4.58	2.95	ppb
Copper	63-2	8.50	8.36	8.40	8.42	0.85	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				112		%
Holmium	165-2				95		%
Indium	115-1				100		%
Indium	115-2				85		%
Iron	56-2	18870.68	18670.27	18654.50	18731.82	0.64	ppb
Iron	57-2	18485.89	18303.29	18230.88	18340.02	0.72	ppb
Krypton	83-1						cps
Lead	206-1	1.11	1.13	1.17	1.14	2.75	ppb
Lead	207-1	1.07	1.14	1.27	1.16	8.84	ppb
Lead	208-1	1.03	1.14	1.19	1.12	7.21	ppb
Lithium	6-1				60		%
Magnesium	24-2	67035.52	68148.98	67845.93	67676.81	0.85	ppb

LB Number : LB100421 Operator : Jaswal
 Lab Sample ID : K1079-16 Instrumnet Name : P8
 Client Sample ID : EPA-MW-40-OB-010720 Dilution Factor : 1
 Date & Time Acquired :: 2019-01-21 15:34:58 DataFile Name : 045SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	10711.89	10693.65	10653.86	10686.47	0.28	ppb
Molybdenum	94-1	2.70	3.05	2.84	2.86	6.16	ppb
Molybdenum	95-1	3.47	3.13	3.37	3.32	5.27	ppb
Molybdenum	96-1	3.22	3.12	3.28	3.21	2.59	ppb
Molybdenum	97-1	3.72	3.36	3.32	3.47	6.31	ppb
Molybdenum	98-1	3.33	3.26	3.39	3.33	1.93	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	14.12	14.07	14.12	14.10	0.20	ppb
Phosphorus	31-2	930.92	1220.81	1073.41	1075.05	13.48	ppb
Potassium	39-2	9703.53	9788.75	9787.52	9759.94	0.50	ppb
Rhodium	103-1				91		%
Rhodium	103-2				87		%
Scandium	45-1				87		%
Scandium	45-2				81		%
Selenium	77-2	-1.24	11.63	7.44	5.94	110.47	ppb
Selenium	78-2	4.50	0.81	4.44	3.25	65.08	ppb
Selenium	82-1	5.24	4.11	3.79	4.38	17.38	ppb
Silicon	28-1	19922.50	20265.15	20342.44	20176.70	1.11	ppb
Silver	109-1	0.12	0.10	0.10	0.11	12.19	ppb
Silver	107-1	0.12	0.10	0.09	0.10	17.80	ppb
Sodium	23-2	1061790.24	1066720.95	1049074.17	1059195.12	0.86	ppb
Strontium	86-1	1023.50	1013.88	1042.13	1026.50	1.40	ppb
Strontium	88-1	1047.13	1042.07	1057.26	1048.82	0.74	ppb
Sulfur	34-1	17563.17	18361.39	19345.58	18423.38	4.85	ppb
Terbium	159-1				109		%
Terbium	159-2				94		%
Thallium	203-1	0.06	0.02	0.03	0.04	48.05	ppb
Thallium	205-1	0.07	0.04	0.03	0.05	44.26	ppb
Tin	118-1	0.23	0.24	0.27	0.25	8.12	ppb
Titanium	47-1	2.05	1.74	2.43	2.07	16.49	ppb
Uranium	238-1	0.76	0.71	0.73	0.73	3.36	ppb
Vanadium	51-2	1.49	1.60	1.69	1.59	6.41	ppb
Yttrium	89-1				96		%
Yttrium	89-2				86		%
Zinc	66-2	11.91	11.58	11.24	11.58	2.92	ppb

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	K1079-16	Instrumnet Name :	P8
Client Sample ID :	EPA-MW-40-OB-010720	Dilution Factor :	1
Date & Time Acquired ::	2019-01-21 15:34:58	DataFile Name :	045SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	90-1	0.33	0.28	0.28	0.30	9.65	ppb
Zirconium	91-1	0.35	0.20	0.39	0.31	31.28	ppb

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	K1079-16DLX20	Instrumnet Name :	P8
Client Sample ID :	EPA-MW-40-OB-010720	Dilution Factor :	20
Date & Time Acquired ::	2019-01-21 15:38:28	DataFile Name :	046SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	-0.06	3.74	-1.64	0.68	407.72	ppb
Antimony	121-1	0.06	0.06	0.05	0.06	13.47	ppb
Arsenic	75-2	0.13	-0.02	0.11	0.07	107.68	ppb
Barium	135-1	6.53	6.35	6.13	6.34	3.22	ppb
Barium	137-1	5.64	5.97	5.95	5.85	3.22	ppb
Beryllium	9-1	0.10	0.13	0.06	0.10	35.89	ppb
Bismuth	209-1				116		%
Bismuth	209-2				105		%
Boron	10-1	298.03	296.02	293.94	296.00	0.69	ppb
Boron	11-1	297.17	303.81	297.14	299.37	1.28	ppb
Cadmium	111-1	-0.09	-0.13	-0.20	-0.14		ppb
Cadmium	106-1	-1.19	-1.89	-2.69	-1.92		ppb
Cadmium	108-1	0.05	0.00	0.10	0.05	100.41	ppb
Calcium	43-1	4142.41	4207.35	4204.70	4184.82	0.88	ppb
Calcium	44-1	4241.19	4249.25	4236.41	4242.28	0.15	ppb
Chromium	52-2	6.39	6.54	6.49	6.47	1.22	ppb
Cobalt	59-2	0.20	0.22	0.19	0.20	8.74	ppb
Copper	63-2	0.50	0.59	0.49	0.53	10.97	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				115		%
Holmium	165-2				105		%
Indium	115-1				109		%
Indium	115-2				97		%
Iron	56-2	915.35	928.54	925.77	923.22	0.75	ppb
Iron	57-2	910.51	926.79	951.66	929.65	2.23	ppb
Krypton	83-1						cps
Lead	206-1	0.26	0.27	0.22	0.25	10.93	ppb
Lead	207-1	0.23	0.30	0.25	0.26	13.87	ppb
Lead	208-1	0.25	0.24	0.22	0.24	6.46	ppb
Lithium	6-1				69		%
Magnesium	24-2	3233.87	3240.63	3247.45	3240.65	0.21	ppb

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	K1079-16DLX20	Instrumnet Name :	P8
Client Sample ID :	EPA-MW-40-OB-010720	Dilution Factor :	20
Date & Time Acquired ::	2019-01-21 15:38:28	DataFile Name :	046SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	519.83	530.18	522.35	524.12	1.03	ppb
Molybdenum	94-1	0.17	0.20	0.13	0.17	18.74	ppb
Molybdenum	95-1	0.19	0.20	0.26	0.22	17.09	ppb
Molybdenum	96-1	0.17	0.14	0.18	0.16	13.38	ppb
Molybdenum	97-1	0.22	0.21	0.16	0.20	15.01	ppb
Molybdenum	98-1	0.19	0.19	0.19	0.19	0.74	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.80	0.76	0.69	0.75	7.07	ppb
Phosphorus	31-2	44.43	-7.71	5.33	14.02	193.56	ppb
Potassium	39-2	514.24	503.21	522.47	513.31	1.88	ppb
Rhodium	103-1				104		%
Rhodium	103-2				101		%
Scandium	45-1				97		%
Scandium	45-2				93		%
Selenium	77-2	-1.24	2.65	2.60	1.34	166.99	ppb
Selenium	78-2	0.02	-0.62	1.30	0.23	420.04	ppb
Selenium	82-1	0.80	0.44	0.85	0.70	31.83	ppb
Silicon	28-1	1020.16	1027.20	1031.68	1026.35	0.57	ppb
Silver	109-1	0.05	0.05	0.05	0.05	9.10	ppb
Silver	107-1	0.08	0.05	0.06	0.06	16.50	ppb
Sodium	23-2	54013.54	55284.63	53858.81	54385.66	1.44	ppb
Strontium	86-1	50.19	51.93	51.89	51.34	1.93	ppb
Strontium	88-1	51.25	51.67	51.61	51.51	0.44	ppb
Sulfur	34-1	-7268.28	-7194.91	-7396.73	-7286.64		ppb
Terbium	159-1				113		%
Terbium	159-2				102		%
Thallium	203-1	0.00	-0.01	0.00	0.00		ppb
Thallium	205-1	0.01	0.01	0.00	0.01	108.63	ppb
Tin	118-1	0.06	0.06	0.07	0.06	7.70	ppb
Titanium	47-1	0.11	0.06	0.02	0.06	65.77	ppb
Uranium	238-1	0.03	0.03	0.04	0.03	9.26	ppb
Vanadium	51-2	0.09	0.13	0.09	0.11	22.14	ppb
Yttrium	89-1				105		%
Yttrium	89-2				96		%
Zinc	66-2	0.48	0.48	0.84	0.60	34.91	ppb

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	K1079-16DLX20	Instrumnet Name :	P8
Client Sample ID :	EPA-MW-40-OB-010720	Dilution Factor :	20
Date & Time Acquired ::	2019-01-21 15:38:28	DataFile Name :	046SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	90-1	0.01	0.02	0.01	0.01	56.57	ppb
Zirconium	91-1	-0.02	0.01	0.00	0.00		ppb

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	CCV53	Instrumnet Name :	P8
Client Sample ID :	CCV53	Dilution Factor :	1
Date & Time Acquired ::	2019-01-21 15:44:11	DataFile Name :	047CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	49654.36	49547.36	49011.90	49404.54	0.70	ppb
Antimony	121-1	511.85	512.83	497.93	507.53	1.64	ppb
Arsenic	75-2	495.66	503.72	495.29	498.22	0.96	ppb
Barium	135-1	2601.93	2612.84	2542.87	2585.88	1.46	ppb
Barium	137-1	2590.05	2615.09	2556.47	2587.20	1.14	ppb
Beryllium	9-1	575.81	568.49	573.31	572.54	0.65	ppb
Bismuth	209-1				110		%
Bismuth	209-2				101		%
Boron	10-1	586.57	590.95	625.44	600.99	3.54	ppb
Boron	11-1	575.77	590.93	590.10	585.60	1.46	ppb
Cadmium	111-1	484.44	479.80	479.61	481.28	0.57	ppb
Cadmium	106-1	487.16	470.45	474.26	477.29	1.83	ppb
Cadmium	108-1	480.62	474.55	474.29	476.48	0.75	ppb
Calcium	43-1	255045.62	256199.79	250113.84	253786.42	1.27	ppb
Calcium	44-1	255171.07	254742.36	249666.57	253193.34	1.21	ppb
Chromium	52-2	534.39	525.97	517.30	525.89	1.62	ppb
Cobalt	59-2	529.57	520.40	519.56	523.18	1.06	ppb
Copper	63-2	1040.70	1035.72	1017.24	1031.22	1.20	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				112		%
Holmium	165-2				104		%
Indium	115-1				102		%
Indium	115-2				91		%
Iron	56-2	129930.08	128360.66	126918.52	128403.09	1.17	ppb
Iron	57-2	131185.45	130204.08	129384.91	130258.15	0.69	ppb
Krypton	83-1						cps
Lead	206-1	508.69	492.06	499.29	500.01	1.67	ppb
Lead	207-1	499.63	483.35	494.87	492.61	1.70	ppb
Lead	208-1	516.23	498.21	508.90	507.78	1.79	ppb
Lithium	6-1				71		%
Magnesium	24-2	247342.97	248352.74	245538.46	247078.06	0.58	ppb

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	CCV53	Instrumnet Name :	P8
Client Sample ID :	CCV53	Dilution Factor :	1
Date & Time Acquired ::	2019-01-21 15:44:11	DataFile Name :	047CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	1014.93	1001.81	993.75	1003.50	1.07	ppb
Molybdenum	94-1	2673.71	2664.48	2615.24	2651.14	1.19	ppb
Molybdenum	95-1	2672.03	2645.29	2628.84	2648.72	0.82	ppb
Molybdenum	96-1	2699.51	2644.22	2611.10	2651.61	1.68	ppb
Molybdenum	97-1	2697.35	2639.14	2648.25	2661.58	1.18	ppb
Molybdenum	98-1	2693.71	2633.72	2618.38	2648.60	1.50	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	540.29	529.63	527.42	532.45	1.29	ppb
Phosphorus	31-2	9782.91	9821.91	9536.73	9713.85	1.59	ppb
Potassium	39-2	121481.89	120546.83	119991.21	120673.31	0.62	ppb
Rhodium	103-1				95		%
Rhodium	103-2				94		%
Scandium	45-1				94		%
Scandium	45-2				90		%
Selenium	77-2	460.05	524.59	433.57	472.74	9.90	ppb
Selenium	78-2	466.64	468.72	460.50	465.28	0.92	ppb
Selenium	82-1	518.07	510.02	511.28	513.12	0.84	ppb
Silicon	28-1	418.18	429.64	418.07	421.96	1.58	ppb
Silver	109-1	494.89	497.74	494.59	495.74	0.35	ppb
Silver	107-1	491.18	492.69	480.29	488.05	1.39	ppb
Sodium	23-2	248241.00	247301.88	244365.22	246636.03	0.82	ppb
Strontium	86-1	522.45	515.15	509.27	515.62	1.28	ppb
Strontium	88-1	529.57	528.12	524.36	527.35	0.51	ppb
Sulfur	34-1	5926.71	5591.43	5196.04	5571.40	6.56	ppb
Terbium	159-1				110		%
Terbium	159-2				101		%
Thallium	203-1	506.71	492.87	501.09	500.23	1.39	ppb
Thallium	205-1	534.03	515.69	528.53	526.08	1.79	ppb
Tin	118-1	501.42	498.00	504.42	501.28	0.64	ppb
Titanium	47-1	2625.35	2629.60	2593.61	2616.19	0.75	ppb
Uranium	238-1	537.11	530.47	528.05	531.88	0.88	ppb
Vanadium	51-2	529.74	520.49	514.04	521.42	1.51	ppb
Yttrium	89-1				101		%
Yttrium	89-2				93		%
Zinc	66-2	1046.65	1030.10	1022.02	1032.92	1.22	ppb

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	CCV53	Instrumnet Name :	P8
Client Sample ID :	CCV53	Dilution Factor :	1
Date & Time Acquired ::	2019-01-21 15:44:11	DataFile Name :	047CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	90-1	540.99	540.74	529.61	537.12	1.21	ppb
Zirconium	91-1	515.66	511.54	505.69	510.97	0.98	ppb

LB Number : LB100421 Operator : Jaswal
 Lab Sample ID : CCB53 Instrumnet Name : P8
 Client Sample ID : CCB53 Dilution Factor : 1
 Date & Time Acquired :: 2019-01-21 15:55:16 DataFile Name : 048CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	0.80	-0.62	-0.11	0.02	3522.78	ppb
Antimony	121-1	0.07	0.08	0.10	0.08	23.62	ppb
Arsenic	75-2	-0.07	0.04	-0.05	-0.03		ppb
Barium	135-1	0.02	-0.02	0.01	0.00	501.97	ppb
Barium	137-1	0.05	0.02	0.00	0.03	85.10	ppb
Beryllium	9-1	0.05	0.01	0.02	0.03	74.02	ppb
Bismuth	209-1				121		%
Bismuth	209-2				113		%
Boron	10-1	22.19	22.15	23.09	22.48	2.36	ppb
Boron	11-1	21.79	22.46	22.38	22.21	1.65	ppb
Cadmium	111-1	-0.24	-0.11	-0.13	-0.16		ppb
Cadmium	106-1	-3.37	-1.50	-1.87	-2.25		ppb
Cadmium	108-1	0.05	0.21	0.05	0.10	87.31	ppb
Calcium	43-1	-6.81	-5.81	-8.57	-7.06		ppb
Calcium	44-1	-25.63	-26.04	-27.12	-26.26		ppb
Chromium	52-2	0.73	0.46	0.76	0.65	25.28	ppb
Cobalt	59-2	-0.02	-0.03	-0.01	-0.02		ppb
Copper	63-2	0.11	0.16	0.15	0.14	16.66	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				117		%
Holmium	165-2				109		%
Indium	115-1				111		%
Indium	115-2				100		%
Iron	56-2	1.71	1.76	1.48	1.65	8.95	ppb
Iron	57-2	1.73	2.81	0.22	1.59	81.78	ppb
Krypton	83-1						cps
Lead	206-1	0.11	0.12	0.11	0.11	4.41	ppb
Lead	207-1	0.10	0.09	0.09	0.09	10.19	ppb
Lead	208-1	0.11	0.10	0.09	0.10	9.14	ppb
Lithium	6-1				84		%
Magnesium	24-2	3.55	3.09	5.35	4.00	29.79	ppb

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	CCB53	Instrumnet Name :	P8
Client Sample ID :	CCB53	Dilution Factor :	1
Date & Time Acquired ::	2019-01-21 15:55:16	DataFile Name :	048CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	0.11	0.01	0.11	0.08	76.83	ppb
Molybdenum	94-1	0.08	0.05	0.07	0.06	26.03	ppb
Molybdenum	95-1	0.11	0.05	0.09	0.09	35.18	ppb
Molybdenum	96-1	0.10	0.10	0.10	0.10	0.46	ppb
Molybdenum	97-1	0.08	0.07	0.14	0.10	37.02	ppb
Molybdenum	98-1	0.10	0.08	0.09	0.09	10.74	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.02	-0.01	-0.02	0.00		ppb
Phosphorus	31-2	-34.70	-21.29	-7.00	-21.00		ppb
Potassium	39-2	15.34	14.24	17.35	15.64	10.08	ppb
Rhodium	103-1				107		%
Rhodium	103-2				103		%
Scandium	45-1				98		%
Scandium	45-2				91		%
Selenium	77-2	6.39	6.26	-1.24	3.80	114.87	ppb
Selenium	78-2	0.01	0.63	0.02	0.22	161.72	ppb
Selenium	82-1	0.64	-0.22	-1.03	-0.20		ppb
Silicon	28-1	-22.15	-21.75	-24.20	-22.70		ppb
Silver	109-1	0.05	0.05	0.04	0.05	18.09	ppb
Silver	107-1	0.03	0.03	0.03	0.03	11.53	ppb
Sodium	23-2	138.64	129.24	149.52	139.13	7.30	ppb
Strontium	86-1	-0.06	0.04	-0.07	-0.03		ppb
Strontium	88-1	0.01	0.01	0.01	0.01	4.56	ppb
Sulfur	34-1	-6358.96	-6384.32	-6870.50	-6537.93		ppb
Terbium	159-1				115		%
Terbium	159-2				107		%
Thallium	203-1	0.00	0.00	0.00	0.00		ppb
Thallium	205-1	0.02	0.01	0.00	0.01	76.31	ppb
Tin	118-1	-0.02	0.04	-0.03	0.00		ppb
Titanium	47-1	-0.02	-0.04	-0.02	-0.03		ppb
Uranium	238-1	0.00	0.00	0.00	0.00	30.92	ppb
Vanadium	51-2	0.00	0.00	0.01	0.00	246.78	ppb
Yttrium	89-1				106		%
Yttrium	89-2				98		%
Zinc	66-2	-0.11	0.17	-0.03	0.01	1364.23	ppb

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	CCB53	Instrumnet Name :	P8
Client Sample ID :	CCB53	Dilution Factor :	1
Date & Time Acquired ::	2019-01-21 15:55:16	DataFile Name :	048CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	90-1	0.01	0.01	0.02	0.01	52.37	ppb
Zirconium	91-1	0.00	0.00	0.00	0.00	117.85	ppb

LB Number : LB100421 Operator : Jaswal
 Lab Sample ID : K1104-06 Instrumnet Name : P8
 Client Sample ID : EPA-EX-2-OB-01092019 Dilution Factor : 1
 Date & Time Acquired :: 2019-01-21 15:58:50 DataFile Name : 049SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	713.58	712.89	702.66	709.71	0.86	ppb
Antimony	121-1	0.17	0.15	0.19	0.17	10.76	ppb
Arsenic	75-2	0.16	0.20	0.07	0.14	48.33	ppb
Barium	135-1	18.47	18.04	18.61	18.37	1.62	ppb
Barium	137-1	18.77	18.17	18.62	18.52	1.69	ppb
Beryllium	9-1	0.69	0.59	0.69	0.66	8.55	ppb
Bismuth	209-1				109		%
Bismuth	209-2				107		%
Boron	10-1	633.07	638.15	637.77	636.33	0.44	ppb
Boron	11-1	639.00	638.66	645.15	640.94	0.57	ppb
Cadmium	111-1	4.62	4.33	4.52	4.49	3.26	ppb
Cadmium	106-1	1.12	0.26	0.98	0.79	59.10	ppb
Cadmium	108-1	4.55	4.78	4.50	4.61	3.27	ppb
Calcium	43-1	36990.42	36886.05	36749.77	36875.41	0.33	ppb
Calcium	44-1	37261.46	37304.46	37354.14	37306.69	0.12	ppb
Chromium	52-2	31106.14	31393.01	31817.16	31438.77	1.14	ppb
Cobalt	59-2	7.03	6.95	7.14	7.04	1.33	ppb
Copper	63-2	743.32	746.93	750.27	746.84	0.46	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				113		%
Holmium	165-2				107		%
Indium	115-1				105		%
Indium	115-2				96		%
Iron	56-2	23.84	22.41	21.52	22.59	5.19	ppb
Iron	57-2	20.55	22.74	26.25	23.18	12.40	ppb
Krypton	83-1						cps
Lead	206-1	0.26	0.22	0.31	0.26	16.91	ppb
Lead	207-1	0.25	0.22	0.19	0.22	12.30	ppb
Lead	208-1	0.25	0.22	0.23	0.23	6.98	ppb
Lithium	6-1				76		%
Magnesium	24-2	6008.47	6054.24	6130.21	6064.31	1.01	ppb

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	K1104-06	Instrumnet Name :	P8
Client Sample ID :	EPA-EX-2-OB-01092019	Dilution Factor :	1
Date & Time Acquired ::	2019-01-21 15:58:50	DataFile Name :	049SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	483.89	480.00	485.91	483.27	0.62	ppb
Molybdenum	94-1	2.19	2.15	2.20	2.18	1.26	ppb
Molybdenum	95-1	2.85	2.92	2.87	2.88	1.18	ppb
Molybdenum	96-1	2.71	2.79	2.65	2.72	2.43	ppb
Molybdenum	97-1	2.80	2.64	2.81	2.75	3.65	ppb
Molybdenum	98-1	2.75	2.92	2.79	2.82	3.04	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	61.66	62.32	64.48	62.82	2.35	ppb
Phosphorus	31-2	-20.83	-6.44	22.06	-1.74		ppb
Potassium	39-2	3247.05	3202.15	3252.75	3233.98	0.86	ppb
Rhodium	103-1				99		%
Rhodium	103-2				97		%
Scandium	45-1				93		%
Scandium	45-2				88		%
Selenium	77-2	6.59	14.61	-1.24	6.65	119.13	ppb
Selenium	78-2	1.99	3.34	3.32	2.88	26.86	ppb
Selenium	82-1	2.76	2.23	2.68	2.56	11.18	ppb
Silicon	28-1	13573.53	13486.73	13341.38	13467.21	0.87	ppb
Silver	109-1	0.18	0.20	0.18	0.19	6.99	ppb
Silver	107-1	0.18	0.21	0.21	0.20	7.44	ppb
Sodium	23-2	124766.90	123672.57	126242.89	124894.12	1.03	ppb
Strontium	86-1	43.38	45.49	44.67	44.52	2.39	ppb
Strontium	88-1	44.18	44.38	43.63	44.06	0.88	ppb
Sulfur	34-1	20893.37	20535.34	21010.59	20813.10	1.19	ppb
Terbium	159-1				109		%
Terbium	159-2				104		%
Thallium	203-1	0.01	0.00	0.02	0.01	101.99	ppb
Thallium	205-1	0.01	0.01	0.00	0.01	87.85	ppb
Tin	118-1	0.06	0.05	0.04	0.05	19.59	ppb
Titanium	47-1	0.59	0.61	0.67	0.62	6.22	ppb
Uranium	238-1	0.07	0.08	0.07	0.07	10.47	ppb
Vanadium	51-2	0.06	0.07	0.07	0.07	11.43	ppb
Yttrium	89-1				101		%
Yttrium	89-2				94		%
Zinc	66-2	103.16	101.90	103.48	102.85	0.81	ppb

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	K1104-06	Instrumnet Name :	P8
Client Sample ID :	EPA-EX-2-OB-01092019	Dilution Factor :	1
Date & Time Acquired ::	2019-01-21 15:58:50	DataFile Name :	049SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	90-1	0.06	0.07	0.07	0.07	8.16	ppb
Zirconium	91-1	0.07	0.07	0.04	0.06	24.28	ppb

LB Number : LB100421 Operator : Jaswal
 Lab Sample ID : K1104-08 Instrumnet Name : P8
 Client Sample ID : EPA-MW-37-BR-0109201 Dilution Factor : 1
 Date & Time Acquired :: 2019-01-21 16:02:21 DataFile Name : 050SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	1.24	2.48	2.69	2.14	36.86	ppb
Antimony	121-1	0.08	0.07	0.08	0.08	13.41	ppb
Arsenic	75-2	0.30	0.47	0.44	0.41	22.63	ppb
Barium	135-1	195.38	193.17	193.11	193.89	0.67	ppb
Barium	137-1	195.74	195.72	197.87	196.44	0.63	ppb
Beryllium	9-1	0.05	0.06	0.09	0.07	32.84	ppb
Bismuth	209-1				115		%
Bismuth	209-2				107		%
Boron	10-1	80.23	73.66	72.56	75.48	5.49	ppb
Boron	11-1	75.80	78.17	72.68	75.55	3.64	ppb
Cadmium	111-1	-0.25	-0.10	-0.14	-0.16		ppb
Cadmium	106-1	-3.32	-1.51	-2.28	-2.37		ppb
Cadmium	108-1	0.11	0.21	0.05	0.12	64.54	ppb
Calcium	43-1	100443.03	97519.92	98705.03	98889.32	1.49	ppb
Calcium	44-1	98692.19	97627.82	98788.20	98369.40	0.65	ppb
Chromium	52-2	2037.88	2109.38	2096.12	2081.13	1.83	ppb
Cobalt	59-2	0.08	0.08	0.08	0.08	4.30	ppb
Copper	63-2	3.12	3.39	3.20	3.24	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				115		%
Holmium	165-2				106		%
Indium	115-1				107		%
Indium	115-2				96		%
Iron	56-2	8.50	9.58	8.97	9.02	6.03	ppb
Iron	57-2	9.69	6.33	10.71	8.91	25.74	ppb
Krypton	83-1						cps
Lead	206-1	0.19	0.26	0.24	0.23	14.00	ppb
Lead	207-1	0.23	0.22	0.19	0.21	9.18	ppb
Lead	208-1	0.22	0.22	0.20	0.21	4.69	ppb
Lithium	6-1				81		%
Magnesium	24-2	19967.92	20686.21	20308.08	20320.74	1.77	ppb

LB Number : LB100421 Operator : Jaswal
 Lab Sample ID : K1104-08 Instrumnet Name : P8
 Client Sample ID : EPA-MW-37-BR-0109201 Dilution Factor : 1
 Date & Time Acquired :: 2019-01-21 16:02:21 DataFile Name : 050SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	0.63	0.65	0.86	0.72	17.69	ppb
Molybdenum	94-1	0.40	0.41	0.48	0.43	9.97	ppb
Molybdenum	95-1	0.55	0.56	0.53	0.55	2.94	ppb
Molybdenum	96-1	0.62	0.59	0.66	0.62	6.31	ppb
Molybdenum	97-1	0.62	0.69	0.75	0.69	9.66	ppb
Molybdenum	98-1	0.64	0.56	0.62	0.61	6.72	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	3.05	3.18	3.01	3.08	2.95	ppb
Phosphorus	31-2	-7.08	-20.52	-6.77	-11.46		ppb
Potassium	39-2	1629.70	1651.28	1675.38	1652.12	1.38	ppb
Rhodium	103-1				100		%
Rhodium	103-2				97		%
Scandium	45-1				95		%
Scandium	45-2				89		%
Selenium	77-2	6.67	6.72	2.67	5.35	43.44	ppb
Selenium	78-2	3.33	2.69	1.34	2.45	41.53	ppb
Selenium	82-1	2.42	1.81	3.47	2.57	32.61	ppb
Silicon	28-1	5939.63	5874.90	5894.81	5903.11	0.56	ppb
Silver	109-1	0.05	0.05	0.06	0.06	12.91	ppb
Silver	107-1	0.04	0.06	0.03	0.04	27.71	ppb
Sodium	23-2	71607.70	72893.63	71438.06	71979.80	1.11	ppb
Strontium	86-1	147.09	146.62	146.90	146.87	0.16	ppb
Strontium	88-1	154.36	152.94	153.58	153.63	0.46	ppb
Sulfur	34-1	6302.04	5641.80	5880.24	5941.36	5.63	ppb
Terbium	159-1				112		%
Terbium	159-2				104		%
Thallium	203-1	0.01	0.02	0.00	0.01	83.92	ppb
Thallium	205-1	0.00	0.00	0.00	0.00		ppb
Tin	118-1	0.10	0.09	0.09	0.10	6.73	ppb
Titanium	47-1	0.30	0.30	0.19	0.26	24.04	ppb
Uranium	238-1	0.27	0.24	0.26	0.26	6.26	ppb
Vanadium	51-2	0.84	0.85	1.03	0.91	11.77	ppb
Yttrium	89-1				103		%
Yttrium	89-2				94		%
Zinc	66-2	10.39	10.59	10.34	10.44	1.25	ppb

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	K1104-08	Instrumnet Name :	P8
Client Sample ID :	EPA-MW-37-BR-0109201	Dilution Factor :	1
Date & Time Acquired ::	2019-01-21 16:02:21	DataFile Name :	050SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	90-1	0.01	0.02	0.02	0.01	27.34	ppb
Zirconium	91-1	0.00	0.00	0.02	0.01	233.92	ppb

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	K1104-08DUP	Instrumnet Name :	P8
Client Sample ID :	EPA-MW-37-BR-0109201	Dilution Factor :	1
Date & Time Acquired ::	2019-01-21 16:05:52	DataFile Name :	051SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	3.08	3.95	3.09	3.37	14.78	ppb
Antimony	121-1	0.06	0.07	0.07	0.06	12.11	ppb
Arsenic	75-2	0.43	0.49	0.28	0.40	27.24	ppb
Barium	135-1	195.11	194.33	196.95	195.46	0.69	ppb
Barium	137-1	195.04	195.33	195.28	195.22	0.08	ppb
Beryllium	9-1	0.03	0.02	0.05	0.03	47.46	ppb
Bismuth	209-1				113		%
Bismuth	209-2				105		%
Boron	10-1	70.62	68.01	72.64	70.42	3.30	ppb
Boron	11-1	68.28	68.49	68.65	68.47	0.27	ppb
Cadmium	111-1	-0.01	-0.06	-0.21	-0.09		ppb
Cadmium	106-1	-0.26	-1.05	-3.17	-1.49		ppb
Cadmium	108-1	0.10	0.05	0.11	0.09	34.22	ppb
Calcium	43-1	99195.11	99225.26	99417.63	99279.33	0.12	ppb
Calcium	44-1	98235.26	97895.00	99851.52	98660.59	1.06	ppb
Chromium	52-2	2103.38	2135.84	2115.52	2118.25	0.77	ppb
Cobalt	59-2	0.08	0.10	0.08	0.09	18.22	ppb
Copper	63-2	3.21	3.24	3.24	3.23	0.51	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				113		%
Holmium	165-2				105		%
Indium	115-1				106		%
Indium	115-2				97		%
Iron	56-2	9.49	8.64	8.95	9.03	4.78	ppb
Iron	57-2	11.63	9.83	13.74	11.73	16.70	ppb
Krypton	83-1						cps
Lead	206-1	0.20	0.22	0.19	0.20	8.70	ppb
Lead	207-1	0.17	0.21	0.16	0.18	14.89	ppb
Lead	208-1	0.19	0.20	0.19	0.19	4.26	ppb
Lithium	6-1				80		%
Magnesium	24-2	20957.13	21184.72	20826.53	20989.46	0.86	ppb

LB Number : LB100421 Operator : Jaswal
 Lab Sample ID : K1104-08DUP Instrumnet Name : P8
 Client Sample ID : EPA-MW-37-BR-0109201 Dilution Factor : 1
 Date & Time Acquired :: 2019-01-21 16:05:52 DataFile Name : 051SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	0.62	0.86	0.95	0.81	21.31	ppb
Molybdenum	94-1	0.47	0.40	0.48	0.45	9.78	ppb
Molybdenum	95-1	0.68	0.57	0.57	0.61	9.73	ppb
Molybdenum	96-1	0.61	0.62	0.60	0.61	1.33	ppb
Molybdenum	97-1	0.57	0.64	0.67	0.63	8.12	ppb
Molybdenum	98-1	0.66	0.55	0.58	0.59	9.23	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	3.02	3.16	2.63	2.94	9.30	ppb
Phosphorus	31-2	-34.70	-20.42	7.42	-15.90		ppb
Potassium	39-2	1745.73	1698.75	1665.65	1703.38	2.36	ppb
Rhodium	103-1				100		%
Rhodium	103-2				96		%
Scandium	45-1				95		%
Scandium	45-2				88		%
Selenium	77-2	-1.24	2.66	6.61	2.68	146.60	ppb
Selenium	78-2	1.99	1.99	1.34	1.77	21.08	ppb
Selenium	82-1	3.31	3.99	2.54	3.28	22.15	ppb
Silicon	28-1	5909.44	5851.60	5854.26	5871.77	0.56	ppb
Silver	109-1	0.06	0.06	0.04	0.05	25.00	ppb
Silver	107-1	0.03	0.05	0.06	0.05	31.25	ppb
Sodium	23-2	74275.15	74070.95	73245.60	73863.90	0.74	ppb
Strontium	86-1	148.77	147.78	145.53	147.36	1.13	ppb
Strontium	88-1	153.91	150.93	152.61	152.48	0.98	ppb
Sulfur	34-1	6961.04	6499.18	6854.81	6771.68	3.57	ppb
Terbium	159-1				112		%
Terbium	159-2				103		%
Thallium	203-1	0.01	-0.01	0.00	0.00		ppb
Thallium	205-1	0.01	0.00	0.00	0.00	76.70	ppb
Tin	118-1	0.11	0.13	0.16	0.13	15.92	ppb
Titanium	47-1	0.31	0.18	0.24	0.24	28.10	ppb
Uranium	238-1	0.26	0.29	0.29	0.28	6.79	ppb
Vanadium	51-2	1.01	1.08	0.94	1.01	7.21	ppb
Yttrium	89-1				102		%
Yttrium	89-2				95		%
Zinc	66-2	9.80	9.49	9.69	9.66	1.63	ppb

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	K1104-08DUP	Instrumnet Name :	P8
Client Sample ID :	EPA-MW-37-BR-0109201	Dilution Factor :	1
Date & Time Acquired ::	2019-01-21 16:05:52	DataFile Name :	051SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	90-1	0.01	0.02	0.03	0.02	53.22	ppb
Zirconium	91-1	0.00	0.02	0.01	0.01	137.69	ppb

LB Number : LB100421 Operator : Jaswal
 Lab Sample ID : K1104-08LX5 Instrumnet Name : P8
 Client Sample ID : EPA-MW-37-BR-0109201 Dilution Factor : 5
 Date & Time Acquired :: 2019-01-21 16:09:23 DataFile Name : 052SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	-2.36	-1.40	0.30	-1.15		ppb
Antimony	121-1	0.03	0.02	0.02	0.02	23.77	ppb
Arsenic	75-2	0.07	0.06	-0.01	0.04	100.27	ppb
Barium	135-1	42.56	43.68	42.68	42.97	1.43	ppb
Barium	137-1	43.32	44.05	43.97	43.78	0.91	ppb
Beryllium	9-1	0.04	0.02	0.04	0.03	23.89	ppb
Bismuth	209-1				119		%
Bismuth	209-2				112		%
Boron	10-1	26.24	25.13	25.61	25.66	2.16	ppb
Boron	11-1	25.69	26.68	24.89	25.75	3.48	ppb
Cadmium	111-1	-0.08	-0.14	-0.05	-0.09		ppb
Cadmium	106-1	-1.06	-1.82	-0.61	-1.16		ppb
Cadmium	108-1	0.10	0.16	0.10	0.12	26.32	ppb
Calcium	43-1	21045.40	21125.95	20836.28	21002.54	0.71	ppb
Calcium	44-1	21345.59	21497.08	21254.72	21365.79	0.57	ppb
Chromium	52-2	438.01	439.73	446.85	441.53	1.06	ppb
Cobalt	59-2	-0.02	0.01	0.00	0.00		ppb
Copper	63-2	0.70	0.71	0.75	0.72	3.67	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				116		%
Holmium	165-2				110		%
Indium	115-1				111		%
Indium	115-2				102		%
Iron	56-2	1.97	1.47	2.15	1.86	18.91	ppb
Iron	57-2	3.39	3.76	3.50	3.55	5.41	ppb
Krypton	83-1						cps
Lead	206-1	0.09	0.08	0.10	0.09	14.45	ppb
Lead	207-1	0.07	0.08	0.08	0.07	9.37	ppb
Lead	208-1	0.07	0.08	0.08	0.08	6.26	ppb
Lithium	6-1				84		%
Magnesium	24-2	4439.28	4464.03	4541.24	4481.52	1.19	ppb

LB Number : LB100421 Operator : Jaswal
 Lab Sample ID : K1104-08LX5 Instrumnet Name : P8
 Client Sample ID : EPA-MW-37-BR-0109201 Dilution Factor : 5
 Date & Time Acquired :: 2019-01-21 16:09:23 DataFile Name : 052SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	0.22	0.27	0.24	0.25	10.46	ppb
Molybdenum	94-1	0.09	0.09	0.05	0.08	31.25	ppb
Molybdenum	95-1	0.09	0.12	0.10	0.10	18.42	ppb
Molybdenum	96-1	0.12	0.17	0.11	0.13	22.43	ppb
Molybdenum	97-1	0.14	0.08	0.16	0.13	30.32	ppb
Molybdenum	98-1	0.12	0.13	0.15	0.13	11.52	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.56	0.58	0.74	0.63	15.07	ppb
Phosphorus	31-2	-8.44	-34.70	31.63	-3.84		ppb
Potassium	39-2	384.92	386.11	353.18	374.74	4.98	ppb
Rhodium	103-1				105		%
Rhodium	103-2				103		%
Scandium	45-1				101		%
Scandium	45-2				94		%
Selenium	77-2	-1.24	2.48	-1.24	0.00	755618.00	ppb
Selenium	78-2	1.88	1.86	-0.62	1.04	138.29	ppb
Selenium	82-1	1.04	0.53	-0.10	0.49	117.58	ppb
Silicon	28-1	1263.82	1252.88	1274.54	1263.75	0.86	ppb
Silver	109-1	0.02	0.03	0.00	0.02	79.54	ppb
Silver	107-1	0.02	0.02	0.02	0.02	10.01	ppb
Sodium	23-2	16154.78	16244.49	16493.23	16297.50	1.08	ppb
Strontium	86-1	32.56	31.56	31.47	31.86	1.90	ppb
Strontium	88-1	31.85	32.00	31.88	31.91	0.25	ppb
Sulfur	34-1	-1499.42	-1502.89	-1674.83	-1559.04		ppb
Terbium	159-1				114		%
Terbium	159-2				108		%
Thallium	203-1	-0.01	-0.01	0.00	-0.01		ppb
Thallium	205-1	-0.01	0.00	0.00	0.00		ppb
Tin	118-1	0.02	0.01	0.01	0.01	43.78	ppb
Titanium	47-1	0.00	0.08	0.06	0.05	97.15	ppb
Uranium	238-1	0.05	0.05	0.05	0.05	5.03	ppb
Vanadium	51-2	0.22	0.16	0.19	0.19	17.33	ppb
Yttrium	89-1				107		%
Yttrium	89-2				100		%
Zinc	66-2	2.28	1.84	2.49	2.20	15.12	ppb

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	K1104-08LX5	Instrumnet Name :	P8
Client Sample ID :	EPA-MW-37-BR-0109201	Dilution Factor :	5
Date & Time Acquired ::	2019-01-21 16:09:23	DataFile Name :	052SMPL.d

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

LB Number : LB100421 Operator : Jaswal
 Lab Sample ID : K1104-08MS Instrumnet Name : P8
 Client Sample ID : EPA-MW-37-BR-0109201 Dilution Factor : 1
 Date & Time Acquired :: 2019-01-21 16:12:55 DataFile Name : 053SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	9015.39	8886.69	9241.83	9047.97	1.99	ppb
Antimony	121-1	478.92	488.31	485.45	484.23	0.99	ppb
Arsenic	75-2	480.77	489.40	487.78	485.99	0.94	ppb
Barium	135-1	2651.29	2732.46	2681.20	2688.31	1.53	ppb
Barium	137-1	2629.80	2706.54	2692.67	2676.34	1.53	ppb
Beryllium	9-1	470.81	455.46	448.41	458.23	2.50	ppb
Bismuth	209-1				110		%
Bismuth	209-2				93		%
Boron	10-1	513.38	510.47	501.49	508.44	1.22	ppb
Boron	11-1	494.01	487.95	479.20	487.05	1.53	ppb
Cadmium	111-1	457.10	461.66	458.72	459.16	0.50	ppb
Cadmium	106-1	453.56	451.73	445.95	450.41	0.88	ppb
Cadmium	108-1	446.42	453.50	445.63	448.52	0.97	ppb
Calcium	43-1	149770.20	147618.68	151000.27	149463.05	1.15	ppb
Calcium	44-1	147443.06	146183.31	150485.10	148037.16	1.49	ppb
Chromium	52-2	2681.75	2598.76	2679.17	2653.23	1.78	ppb
Cobalt	59-2	543.64	538.58	555.69	545.97	1.61	ppb
Copper	63-2	1149.31	1138.95	1174.43	1154.23	1.58	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				111		%
Holmium	165-2				96		%
Indium	115-1				99		%
Indium	115-2				80		%
Iron	56-2	27365.46	27278.81	27924.59	27522.95	1.27	ppb
Iron	57-2	26631.76	26500.74	26957.79	26696.76	0.88	ppb
Krypton	83-1						cps
Lead	206-1	497.65	501.12	509.62	502.79	1.22	ppb
Lead	207-1	475.23	477.48	482.92	478.54	0.83	ppb
Lead	208-1	500.26	502.40	505.71	502.79	0.55	ppb
Lithium	6-1				74		%
Magnesium	24-2	70759.34	70539.53	73319.64	71539.50	2.16	ppb

LB Number : LB100421 Operator : Jaswal
 Lab Sample ID : K1104-08MS Instrumnet Name : P8
 Client Sample ID : EPA-MW-37-BR-0109201 Dilution Factor : 1
 Date & Time Acquired :: 2019-01-21 16:12:55 DataFile Name : 053SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	1024.28	1028.29	1039.65	1030.74	0.77	ppb
Molybdenum	94-1	2612.49	2622.97	2749.54	2661.66	2.87	ppb
Molybdenum	95-1	2579.91	2599.27	2704.17	2627.78	2.54	ppb
Molybdenum	96-1	2579.23	2652.53	2659.57	2630.44	1.69	ppb
Molybdenum	97-1	2605.34	2622.80	2702.22	2643.45	1.95	ppb
Molybdenum	98-1	2620.39	2626.37	2702.18	2649.65	1.72	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	552.37	553.61	572.78	559.58	2.04	ppb
Phosphorus	31-2	14.04	-18.56	-18.09	-7.54		ppb
Potassium	39-2	24578.61	24350.55	24900.51	24609.89	1.12	ppb
Rhodium	103-1				92		%
Rhodium	103-2				87		%
Scandium	45-1				84		%
Scandium	45-2				76		%
Selenium	77-2	423.80	474.60	360.35	419.58	13.64	ppb
Selenium	78-2	440.37	435.91	455.18	443.82	2.27	ppb
Selenium	82-1	494.97	492.85	503.01	496.94	1.08	ppb
Silicon	28-1	5765.73	5622.39	5652.83	5680.32	1.33	ppb
Silver	109-1	476.11	478.62	476.02	476.92	0.31	ppb
Silver	107-1	467.03	463.68	464.56	465.09	0.37	ppb
Sodium	23-2	123455.28	121286.89	124751.84	123164.67	1.42	ppb
Strontium	86-1	645.86	644.03	659.73	649.87	1.32	ppb
Strontium	88-1	650.32	648.52	668.69	655.84	1.70	ppb
Sulfur	34-1	4479.42	3329.95	3585.08	3798.15	15.89	ppb
Terbium	159-1				109		%
Terbium	159-2				93		%
Thallium	203-1	502.96	500.74	512.84	505.51	1.27	ppb
Thallium	205-1	528.32	529.04	546.03	534.46	1.87	ppb
Tin	118-1	439.36	451.05	448.72	446.38	1.39	ppb
Titanium	47-1	2592.29	2581.39	2623.95	2599.21	0.85	ppb
Uranium	238-1	532.10	533.20	541.42	535.57	0.95	ppb
Vanadium	51-2	529.60	520.68	530.98	527.09	1.06	ppb
Yttrium	89-1				95		%
Yttrium	89-2				81		%
Zinc	66-2	1058.38	1043.72	1085.47	1062.52	1.99	ppb

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	K1104-08MS	Instrumnet Name :	P8
Client Sample ID :	EPA-MW-37-BR-0109201	Dilution Factor :	1
Date & Time Acquired ::	2019-01-21 16:12:55	DataFile Name :	053SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	90-1	525.89	535.84	534.41	532.05	1.01	ppb
Zirconium	91-1	502.08	505.24	514.26	507.19	1.25	ppb

LB Number : LB100421 Operator : Jaswal
 Lab Sample ID : K1104-08MSD Instrumnet Name : P8
 Client Sample ID : EPA-MW-37-BR-0109201 Dilution Factor : 1
 Date & Time Acquired :: 2019-01-21 16:16:31 DataFile Name : 054SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	9066.70	8775.13	8707.73	8849.85	2.16	ppb
Antimony	121-1	482.14	471.59	479.81	477.85	1.16	ppb
Arsenic	75-2	484.08	495.59	489.92	489.86	1.18	ppb
Barium	135-1	2687.66	2654.40	2556.36	2632.81	2.59	ppb
Barium	137-1	2689.17	2641.84	2614.21	2648.41	1.43	ppb
Beryllium	9-1	480.68	474.57	488.68	481.31	1.47	ppb
Bismuth	209-1				116		%
Bismuth	209-2				93		%
Boron	10-1	524.33	529.42	531.61	528.45	0.71	ppb
Boron	11-1	500.07	496.18	517.07	504.44	2.20	ppb
Cadmium	111-1	449.07	448.35	441.77	446.40	0.90	ppb
Cadmium	106-1	431.37	441.79	439.84	437.67	1.27	ppb
Cadmium	108-1	436.68	431.93	427.73	432.11	1.04	ppb
Calcium	43-1	149682.83	147013.34	149740.53	148812.23	1.05	ppb
Calcium	44-1	148786.97	146690.01	148310.88	147929.29	0.74	ppb
Chromium	52-2	2676.89	2617.05	2610.41	2634.79	1.39	ppb
Cobalt	59-2	557.82	546.80	541.41	548.68	1.52	ppb
Copper	63-2	1189.46	1167.55	1157.09	1171.37	1.41	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				116		%
Holmium	165-2				94		%
Indium	115-1				99		%
Indium	115-2				77		%
Iron	56-2	27887.72	27025.69	27074.13	27329.18	1.77	ppb
Iron	57-2	27223.34	26847.30	26358.80	26809.82	1.62	ppb
Krypton	83-1						cps
Lead	206-1	496.41	500.48	514.03	503.64	1.83	ppb
Lead	207-1	475.70	478.41	488.22	480.78	1.37	ppb
Lead	208-1	504.19	504.15	513.46	507.27	1.06	ppb
Lithium	6-1				63		%
Magnesium	24-2	72568.51	71113.32	70739.79	71473.87	1.35	ppb

LB Number : LB100421 Operator : Jaswal
 Lab Sample ID : K1104-08MSD Instrumnet Name : P8
 Client Sample ID : EPA-MW-37-BR-0109201 Dilution Factor : 1
 Date & Time Acquired :: 2019-01-21 16:16:31 DataFile Name : 054SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	1044.87	1020.48	1014.77	1026.71	1.56	ppb
Molybdenum	94-1	2711.61	2671.12	2726.69	2703.14	1.06	ppb
Molybdenum	95-1	2668.71	2652.76	2668.00	2663.16	0.34	ppb
Molybdenum	96-1	2731.52	2655.47	2687.18	2691.39	1.42	ppb
Molybdenum	97-1	2726.53	2696.59	2697.19	2706.77	0.63	ppb
Molybdenum	98-1	2729.04	2659.95	2713.56	2700.85	1.34	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	575.25	562.17	562.00	566.47	1.34	ppb
Phosphorus	31-2	-17.59	-17.98	-18.13	-17.90		ppb
Potassium	39-2	24629.04	24152.47	23710.93	24164.15	1.90	ppb
Rhodium	103-1				91		%
Rhodium	103-2				86		%
Scandium	45-1				81		%
Scandium	45-2				74		%
Selenium	77-2	441.06	466.67	372.93	426.89	11.35	ppb
Selenium	78-2	454.31	468.83	471.39	464.84	1.98	ppb
Selenium	82-1	509.51	493.39	503.73	502.21	1.63	ppb
Silicon	28-1	5558.79	5375.09	5486.84	5473.57	1.69	ppb
Silver	109-1	466.38	459.26	453.02	459.55	1.46	ppb
Silver	107-1	456.66	452.23	444.87	451.26	1.32	ppb
Sodium	23-2	124477.17	119549.03	119777.20	121267.80	2.29	ppb
Strontium	86-1	662.42	649.24	656.28	655.98	1.01	ppb
Strontium	88-1	672.22	660.56	671.33	668.03	0.97	ppb
Sulfur	34-1	2489.05	1520.92	1486.51	1832.16	31.06	ppb
Terbium	159-1				113		%
Terbium	159-2				92		%
Thallium	203-1	498.29	500.62	511.40	503.43	1.39	ppb
Thallium	205-1	518.81	531.47	540.90	530.39	2.09	ppb
Tin	118-1	439.02	436.73	429.74	435.16	1.11	ppb
Titanium	47-1	2597.58	2569.93	2577.76	2581.76	0.55	ppb
Uranium	238-1	530.12	542.00	552.16	541.43	2.04	ppb
Vanadium	51-2	538.85	526.14	525.94	530.31	1.39	ppb
Yttrium	89-1				93		%
Yttrium	89-2				78		%
Zinc	66-2	1087.23	1058.42	1053.56	1066.40	1.71	ppb

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	K1104-08MSD	Instrumnet Name :	P8
Client Sample ID :	EPA-MW-37-BR-0109201	Dilution Factor :	1
Date & Time Acquired ::	2019-01-21 16:16:31	DataFile Name :	054SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	90-1	540.28	541.42	543.09	541.60	0.26	ppb
Zirconium	91-1	522.06	512.87	521.86	518.93	1.01	ppb

LB Number : LB100421 Operator : Jaswal
 Lab Sample ID : K1104-08A Instrumnet Name : P8
 Client Sample ID : EPA-MW-37-BR-0109201 Dilution Factor : 1
 Date & Time Acquired :: 2019-01-21 16:19:56 DataFile Name : 055SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	9002.52	8915.15	9155.25	9024.31	1.35	ppb
Antimony	121-1	479.38	484.09	467.65	477.04	1.78	ppb
Arsenic	75-2	486.99	495.69	491.55	491.41	0.89	ppb
Barium	135-1	2638.87	2664.60	2641.81	2648.43	0.53	ppb
Barium	137-1	2667.78	2690.28	2611.44	2656.50	1.53	ppb
Beryllium	9-1	501.40	506.06	510.91	506.12	0.94	ppb
Bismuth	209-1				117		%
Bismuth	209-2				93		%
Boron	10-1	551.93	561.49	576.67	563.36	2.21	ppb
Boron	11-1	514.23	539.53	547.35	533.71	3.24	ppb
Cadmium	111-1	449.89	449.59	442.84	447.44	0.89	ppb
Cadmium	106-1	443.97	444.47	425.02	437.82	2.53	ppb
Cadmium	108-1	436.74	439.56	431.48	435.93	0.94	ppb
Calcium	43-1	151886.63	151877.94	147838.37	150534.31	1.55	ppb
Calcium	44-1	147685.77	150376.70	147274.42	148445.63	1.14	ppb
Chromium	52-2	2717.20	2674.71	2749.20	2713.70	1.38	ppb
Cobalt	59-2	564.76	565.63	569.30	566.56	0.43	ppb
Copper	63-2	1192.68	1194.42	1212.65	1199.92	0.92	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				117		%
Holmium	165-2				95		%
Indium	115-1				99		%
Indium	115-2				77		%
Iron	56-2	27810.39	28021.92	28059.50	27963.94	0.48	ppb
Iron	57-2	27246.36	27439.42	27628.51	27438.10	0.70	ppb
Krypton	83-1						cps
Lead	206-1	503.24	509.53	503.70	505.49	0.69	ppb
Lead	207-1	477.97	485.40	481.33	481.57	0.77	ppb
Lead	208-1	503.03	513.16	510.89	509.03	1.04	ppb
Lithium	6-1				57		%
Magnesium	24-2	72987.54	72135.03	73562.59	72895.05	0.99	ppb

LB Number : LB100421 Operator : Jaswal
 Lab Sample ID : K1104-08A Instrumnet Name : P8
 Client Sample ID : EPA-MW-37-BR-0109201 Dilution Factor : 1
 Date & Time Acquired :: 2019-01-21 16:19:56 DataFile Name : 055SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	1040.88	1043.67	1056.54	1047.03	0.80	ppb
Molybdenum	94-1	2708.34	2715.48	2698.10	2707.31	0.32	ppb
Molybdenum	95-1	2685.52	2666.54	2640.79	2664.29	0.84	ppb
Molybdenum	96-1	2719.70	2676.99	2685.22	2693.97	0.84	ppb
Molybdenum	97-1	2698.53	2703.59	2697.76	2699.96	0.12	ppb
Molybdenum	98-1	2714.04	2708.74	2670.53	2697.77	0.88	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	583.69	580.22	587.77	583.89	0.65	ppb
Phosphorus	31-2	-17.40	34.21	-34.70	-5.96		ppb
Potassium	39-2	24896.65	24589.82	24766.33	24750.94	0.62	ppb
Rhodium	103-1				92		%
Rhodium	103-2				86		%
Scandium	45-1				79		%
Scandium	45-2				72		%
Selenium	77-2	462.37	435.77	460.20	452.78	3.26	ppb
Selenium	78-2	458.16	429.14	465.62	450.98	4.27	ppb
Selenium	82-1	501.80	500.76	498.48	500.35	0.34	ppb
Silicon	28-1	5351.76	5627.06	5289.87	5422.90	3.31	ppb
Silver	109-1	465.28	466.32	450.27	460.62	1.95	ppb
Silver	107-1	452.08	463.99	449.25	455.11	1.72	ppb
Sodium	23-2	125036.18	123515.24	125882.70	124811.37	0.96	ppb
Strontium	86-1	655.09	657.38	654.64	655.70	0.22	ppb
Strontium	88-1	662.22	669.90	657.57	663.23	0.94	ppb
Sulfur	34-1	1694.90	1590.74	686.96	1324.20	41.86	ppb
Terbium	159-1				113		%
Terbium	159-2				92		%
Thallium	203-1	507.99	508.16	501.66	505.93	0.73	ppb
Thallium	205-1	537.71	541.35	531.60	536.89	0.92	ppb
Tin	118-1	435.43	441.97	434.37	437.26	0.94	ppb
Titanium	47-1	2616.93	2606.42	2564.51	2595.95	1.07	ppb
Uranium	238-1	550.96	553.50	539.67	548.04	1.34	ppb
Vanadium	51-2	537.16	537.25	547.31	540.57	1.08	ppb
Yttrium	89-1				93		%
Yttrium	89-2				77		%
Zinc	66-2	1083.92	1095.80	1108.50	1096.07	1.12	ppb

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	K1104-08A	Instrumnet Name :	P8
Client Sample ID :	EPA-MW-37-BR-0109201	Dilution Factor :	1
Date & Time Acquired ::	2019-01-21 16:19:56	DataFile Name :	055SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	90-1	533.82	533.51	540.37	535.90	0.72	ppb
Zirconium	91-1	515.58	517.93	514.79	516.10	0.32	ppb

LB Number : LB100421 Operator : Jaswal
 Lab Sample ID : K1079-06DLX100 Instrumnet Name : P8
 Client Sample ID : EPA-MW-29-BR-0107201 Dilution Factor : 100
 Date & Time Acquired :: 2019-01-21 16:23:21 DataFile Name : 056SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	1.19	0.45	0.46	0.70	60.42	ppb
Antimony	121-1	0.14	0.13	0.14	0.14	2.54	ppb
Arsenic	75-2	0.27	0.39	0.18	0.28	36.29	ppb
Barium	135-1	26.98	28.34	27.82	27.71	2.49	ppb
Barium	137-1	28.03	27.60	27.78	27.80	0.77	ppb
Beryllium	9-1	0.15	0.14	0.11	0.13	13.48	ppb
Bismuth	209-1				136		%
Bismuth	209-2				116		%
Boron	10-1	31.62	27.02	34.20	30.95	11.74	ppb
Boron	11-1	29.22	28.77	29.13	29.04	0.81	ppb
Cadmium	111-1	-0.20	-0.19	-0.17	-0.19		ppb
Cadmium	106-1	-3.01	-3.26	-2.66	-2.97		ppb
Cadmium	108-1	0.14	0.05	0.14	0.11	49.65	ppb
Calcium	43-1	18329.73	18532.32	18606.57	18489.54	0.77	ppb
Calcium	44-1	18614.86	18851.38	19224.23	18896.82	1.63	ppb
Chromium	52-2	147.66	147.76	147.33	147.58	0.15	ppb
Cobalt	59-2	0.37	0.38	0.35	0.37	3.98	ppb
Copper	63-2	0.48	0.52	0.47	0.49	5.73	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				130		%
Holmium	165-2				111		%
Indium	115-1				118		%
Indium	115-2				96		%
Iron	56-2	12.37	11.65	11.51	11.84	3.89	ppb
Iron	57-2	15.13	12.04	11.23	12.80	16.12	ppb
Krypton	83-1						cps
Lead	206-1	0.51	0.53	0.51	0.51	2.16	ppb
Lead	207-1	0.51	0.44	0.52	0.49	9.16	ppb
Lead	208-1	0.52	0.51	0.48	0.51	4.05	ppb
Lithium	6-1				68		%
Magnesium	24-2	3122.63	3131.34	3133.62	3129.20	0.19	ppb

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	K1079-06DLX100	Instrumnet Name :	P8
Client Sample ID :	EPA-MW-29-BR-0107201	Dilution Factor :	100
Date & Time Acquired ::	2019-01-21 16:23:21	DataFile Name :	056SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	369.79	371.15	364.45	368.46	0.96	ppb
Molybdenum	94-1	0.44	0.28	0.25	0.32	31.52	ppb
Molybdenum	95-1	0.43	0.30	0.32	0.35	19.75	ppb
Molybdenum	96-1	0.41	0.38	0.24	0.35	26.43	ppb
Molybdenum	97-1	0.40	0.30	0.33	0.34	15.63	ppb
Molybdenum	98-1	0.36	0.39	0.28	0.34	17.44	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	2.09	2.10	1.97	2.05	3.40	ppb
Phosphorus	31-2	-20.30	-34.70	-34.70	-29.90		ppb
Potassium	39-2	333.02	325.70	325.39	328.03	1.32	ppb
Rhodium	103-1				110		%
Rhodium	103-2				102		%
Scandium	45-1				96		%
Scandium	45-2				87		%
Selenium	77-2	-1.24	-1.24	-1.24	-1.24		ppb
Selenium	78-2	0.04	0.04	0.70	0.26	145.70	ppb
Selenium	82-1	1.03	1.70	0.83	1.18	38.39	ppb
Silicon	28-1	1012.42	1029.79	1034.43	1025.54	1.13	ppb
Silver	109-1	0.14	0.12	0.08	0.11	26.83	ppb
Silver	107-1	0.11	0.11	0.10	0.11	3.71	ppb
Sodium	23-2	18717.64	18468.07	18436.27	18540.66	0.83	ppb
Strontium	86-1	26.84	27.59	27.04	27.16	1.42	ppb
Strontium	88-1	27.21	27.57	27.81	27.53	1.10	ppb
Sulfur	34-1	-6993.81	-6674.51	-6594.66	-6754.33		ppb
Terbium	159-1				127		%
Terbium	159-2				108		%
Thallium	203-1	0.05	0.04	0.03	0.04	27.78	ppb
Thallium	205-1	0.05	0.04	0.03	0.04	28.24	ppb
Tin	118-1	0.17	0.19	0.18	0.18	4.75	ppb
Titanium	47-1	0.13	0.13	0.06	0.11	35.20	ppb
Uranium	238-1	0.10	0.08	0.08	0.09	13.98	ppb
Vanadium	51-2	0.09	0.12	0.08	0.10	22.90	ppb
Yttrium	89-1				109		%
Yttrium	89-2				94		%
Zinc	66-2	1.15	1.29	0.84	1.09	20.86	ppb

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	K1079-06DLX100	Instrumnet Name :	P8
Client Sample ID :	EPA-MW-29-BR-0107201	Dilution Factor :	100
Date & Time Acquired ::	2019-01-21 16:23:21	DataFile Name :	056SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	90-1	0.05	0.03	0.02	0.04	42.48	ppb
Zirconium	91-1	0.05	0.04	0.04	0.04	10.14	ppb

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	K1079-12DLX100	Instrumnet Name :	P8
Client Sample ID :	EPA-MW-39-OB-010720	Dilution Factor :	100
Date & Time Acquired ::	2019-01-21 16:26:54	DataFile Name :	057SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	13.72	14.84	18.80	15.79	16.92	ppb
Antimony	121-1	0.04	0.04	0.05	0.04	15.46	ppb
Arsenic	75-2	-0.02	0.00	0.03	0.01	433.57	ppb
Barium	135-1	1.49	1.26	1.59	1.44	11.77	ppb
Barium	137-1	1.55	1.63	1.55	1.58	2.88	ppb
Beryllium	9-1	0.09	0.09	0.08	0.09	9.94	ppb
Bismuth	209-1				135		%
Bismuth	209-2				119		%
Boron	10-1	43.71	44.51	47.33	45.18	4.21	ppb
Boron	11-1	42.14	42.71	41.72	42.19	1.17	ppb
Cadmium	111-1	3.66	3.15	3.49	3.44	7.63	ppb
Cadmium	106-1	0.71	0.27	-0.42	0.19	305.13	ppb
Cadmium	108-1	4.00	3.38	3.41	3.60	9.75	ppb
Calcium	43-1	1162.82	1124.82	1156.52	1148.05	1.77	ppb
Calcium	44-1	1128.88	1087.91	1105.25	1107.35	1.86	ppb
Chromium	52-2	539.51	536.67	544.41	540.20	0.72	ppb
Cobalt	59-2	0.20	0.28	0.26	0.25	16.24	ppb
Copper	63-2	17.93	18.35	17.49	17.92	2.40	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				130		%
Holmium	165-2				112		%
Indium	115-1				118		%
Indium	115-2				98		%
Iron	56-2	0.73	0.77	0.81	0.77	5.00	ppb
Iron	57-2	1.40	0.99	4.03	2.14	77.13	ppb
Krypton	83-1						cps
Lead	206-1	0.36	0.37	0.38	0.37	2.09	ppb
Lead	207-1	0.29	0.35	0.32	0.32	9.43	ppb
Lead	208-1	0.34	0.36	0.34	0.35	4.05	ppb
Lithium	6-1				72		%
Magnesium	24-2	198.43	224.18	193.70	205.44	7.98	ppb

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	K1079-12DLX100	Instrumnet Name :	P8
Client Sample ID :	EPA-MW-39-OB-010720	Dilution Factor :	100
Date & Time Acquired ::	2019-01-21 16:26:54	DataFile Name :	057SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	93.83	94.89	94.34	94.35	0.56	ppb
Molybdenum	94-1	0.02	0.06	0.06	0.05	50.03	ppb
Molybdenum	95-1	0.08	0.07	0.05	0.07	24.30	ppb
Molybdenum	96-1	0.07	0.09	0.05	0.07	25.56	ppb
Molybdenum	97-1	0.01	0.03	0.10	0.05	101.58	ppb
Molybdenum	98-1	0.06	0.06	0.01	0.04	60.57	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	10.30	10.65	9.81	10.26	4.12	ppb
Phosphorus	31-2	-34.70	-34.70	-34.70	-34.70		ppb
Potassium	39-2	59.13	50.37	58.01	55.84	8.54	ppb
Rhodium	103-1				111		%
Rhodium	103-2				103		%
Scandium	45-1				96		%
Scandium	45-2				86		%
Selenium	77-2	-1.24	6.55	-1.24	1.36	331.67	ppb
Selenium	78-2	-0.62	0.68	0.70	0.25	301.02	ppb
Selenium	82-1	0.78	0.08	0.89	0.59	74.85	ppb
Silicon	28-1	88.74	86.39	88.93	88.02	1.61	ppb
Silver	109-1	0.05	0.05	0.05	0.05	9.47	ppb
Silver	107-1	0.05	0.07	0.04	0.05	24.05	ppb
Sodium	23-2	3228.38	3191.47	3215.40	3211.75	0.58	ppb
Strontium	86-1	4.34	4.22	3.96	4.17	4.61	ppb
Strontium	88-1	4.07	4.16	4.04	4.09	1.46	ppb
Sulfur	34-1	-5249.26	-5701.85	-5531.58	-5494.23		ppb
Terbium	159-1				126		%
Terbium	159-2				109		%
Thallium	203-1	0.01	0.00	0.00	0.00	242.57	ppb
Thallium	205-1	0.01	0.00	0.01	0.01	101.30	ppb
Tin	118-1	0.11	0.12	0.13	0.12	8.89	ppb
Titanium	47-1	-0.07	-0.02	0.03	-0.02		ppb
Uranium	238-1	0.00	0.00	0.00	0.00		ppb
Vanadium	51-2	0.01	0.00	-0.01	0.00		ppb
Yttrium	89-1				109		%
Yttrium	89-2				94		%
Zinc	66-2	8.18	7.68	8.44	8.10	4.81	ppb

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	K1079-12DLX100	Instrumnet Name :	P8
Client Sample ID :	EPA-MW-39-OB-010720	Dilution Factor :	100
Date & Time Acquired ::	2019-01-21 16:26:54	DataFile Name :	057SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	90-1	0.02	0.01	0.01	0.01	37.54	ppb
Zirconium	91-1	0.03	-0.01	0.00	0.01	217.90	ppb

LB Number : LB100421 Operator : Jaswal
 Lab Sample ID : K1079-12DUPDLX100 Instrumnet Name : P8
 Client Sample ID : EPA-MW-39-OB-010720 Dilution Factor : 100
 Date & Time Acquired :: 2019-01-21 16:30:28 DataFile Name : 058SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	14.15	15.20	17.17	15.50	9.89	ppb
Antimony	121-1	0.03	0.04	0.02	0.03	33.01	ppb
Arsenic	75-2	0.00	0.02	0.05	0.02	109.94	ppb
Barium	135-1	1.67	1.76	1.27	1.57	16.75	ppb
Barium	137-1	1.53	1.44	1.57	1.51	4.28	ppb
Beryllium	9-1	0.04	0.05	0.13	0.07	68.42	ppb
Bismuth	209-1				138		%
Bismuth	209-2				115		%
Boron	10-1	42.17	42.37	40.30	41.61	2.73	ppb
Boron	11-1	42.07	42.08	43.13	42.43	1.43	ppb
Cadmium	111-1	3.75	3.73	3.63	3.70	1.69	ppb
Cadmium	106-1	1.39	0.92	1.07	1.13	21.05	ppb
Cadmium	108-1	3.22	3.26	3.29	3.26	1.08	ppb
Calcium	43-1	1172.26	1160.26	1182.36	1171.63	0.94	ppb
Calcium	44-1	1140.70	1146.58	1144.71	1143.99	0.26	ppb
Chromium	52-2	559.15	560.50	563.98	561.21	0.44	ppb
Cobalt	59-2	0.26	0.25	0.29	0.26	8.86	ppb
Copper	63-2	18.37	18.72	18.47	18.52	0.97	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				130		%
Holmium	165-2				109		%
Indium	115-1				119		%
Indium	115-2				95		%
Iron	56-2	1.06	1.08	1.03	1.06	2.57	ppb
Iron	57-2	3.84	1.56	6.20	3.87	59.94	ppb
Krypton	83-1						cps
Lead	206-1	0.28	0.25	0.19	0.24	19.00	ppb
Lead	207-1	0.22	0.26	0.19	0.22	16.29	ppb
Lead	208-1	0.25	0.25	0.21	0.24	9.89	ppb
Lithium	6-1				75		%
Magnesium	24-2	225.67	223.78	220.33	223.26	1.21	ppb

LB Number : LB100421 Operator : Jaswal
 Lab Sample ID : K1079-12DUPDLX100 Instrumnet Name : P8
 Client Sample ID : EPA-MW-39-OB-010720 Dilution Factor : 100
 Date & Time Acquired :: 2019-01-21 16:30:28 DataFile Name : 058SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	99.17	99.00	97.21	98.46	1.10	ppb
Molybdenum	94-1	0.03	0.03	0.03	0.03	6.91	ppb
Molybdenum	95-1	0.01	0.04	0.04	0.03	48.44	ppb
Molybdenum	96-1	0.06	0.02	0.03	0.04	62.64	ppb
Molybdenum	97-1	0.01	-0.01	0.03	0.01	155.21	ppb
Molybdenum	98-1	0.03	0.04	0.03	0.03	10.05	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	11.17	10.61	10.88	10.89	2.56	ppb
Phosphorus	31-2	-34.70	-34.70	13.66	-18.58		ppb
Potassium	39-2	35.63	40.11	85.14	53.62	51.07	ppb
Rhodium	103-1				112		%
Rhodium	103-2				99		%
Scandium	45-1				98		%
Scandium	45-2				83		%
Selenium	77-2	-1.24	-1.24	-1.24	-1.24		ppb
Selenium	78-2	0.68	0.72	-0.62	0.26	292.62	ppb
Selenium	82-1	0.58	0.75	1.32	0.88	43.51	ppb
Silicon	28-1	91.90	92.97	93.81	92.90	1.03	ppb
Silver	109-1	0.06	0.02	0.03	0.04	50.90	ppb
Silver	107-1	0.05	0.04	0.04	0.04	21.93	ppb
Sodium	23-2	3282.90	3302.11	3365.26	3316.75	1.30	ppb
Strontium	86-1	3.96	4.11	4.16	4.08	2.46	ppb
Strontium	88-1	4.18	4.14	4.19	4.17	0.68	ppb
Sulfur	34-1	-5374.99	-5312.07	-5201.86	-5296.31		ppb
Terbium	159-1				127		%
Terbium	159-2				106		%
Thallium	203-1	0.01	-0.01	-0.01	0.00		ppb
Thallium	205-1	0.01	0.00	-0.01	0.00	6731.93	ppb
Tin	118-1	0.03	0.03	0.02	0.03	22.58	ppb
Titanium	47-1	-0.03	-0.08	0.01	-0.03		ppb
Uranium	238-1	0.00	0.00	0.00	0.00	64.68	ppb
Vanadium	51-2	0.00	0.01	-0.02	0.00		ppb
Yttrium	89-1				110		%
Yttrium	89-2				91		%
Zinc	66-2	7.86	7.59	7.44	7.63	2.80	ppb

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	K1079-12DUPDLX100	Instrumnet Name :	P8
Client Sample ID :	EPA-MW-39-OB-010720	Dilution Factor :	100
Date & Time Acquired ::	2019-01-21 16:30:28	DataFile Name :	058SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	90-1	0.00	0.01	0.00	0.00	77.93	ppb
Zirconium	91-1	0.01	0.00	0.00	0.01	96.32	ppb

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	CCV54	Instrumnet Name :	P8
Client Sample ID :	CCV54	Dilution Factor :	1
Date & Time Acquired ::	2019-01-21 16:46:49	DataFile Name :	059CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	49790.40	48847.60	50713.52	49783.84	1.87	ppb
Antimony	121-1	503.28	506.37	503.11	504.25	0.36	ppb
Arsenic	75-2	493.22	502.52	499.28	498.34	0.95	ppb
Barium	135-1	2545.58	2548.75	2537.05	2543.80	0.24	ppb
Barium	137-1	2537.81	2561.19	2550.91	2549.97	0.46	ppb
Beryllium	9-1	558.77	558.46	555.88	557.70	0.28	ppb
Bismuth	209-1				126		%
Bismuth	209-2				113		%
Boron	10-1	543.26	555.91	547.73	548.97	1.17	ppb
Boron	11-1	512.73	534.86	529.33	525.64	2.19	ppb
Cadmium	111-1	476.40	478.52	480.95	478.62	0.48	ppb
Cadmium	106-1	461.54	474.35	472.08	469.32	1.46	ppb
Cadmium	108-1	471.52	479.34	473.74	474.86	0.85	ppb
Calcium	43-1	252288.37	258009.06	251723.40	254006.94	1.37	ppb
Calcium	44-1	252258.25	258342.66	249840.97	253480.63	1.73	ppb
Chromium	52-2	536.23	527.58	536.94	533.58	0.98	ppb
Cobalt	59-2	536.17	527.34	543.30	535.60	1.49	ppb
Copper	63-2	1060.25	1044.25	1067.27	1057.26	1.12	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				127		%
Holmium	165-2				114		%
Indium	115-1				112		%
Indium	115-2				97		%
Iron	56-2	130655.84	128240.60	133496.13	130797.52	2.01	ppb
Iron	57-2	133151.22	132444.94	134222.06	133272.74	0.67	ppb
Krypton	83-1						cps
Lead	206-1	510.53	506.33	502.36	506.41	0.81	ppb
Lead	207-1	506.27	498.68	494.51	499.82	1.19	ppb
Lead	208-1	525.99	516.71	515.54	519.42	1.10	ppb
Lithium	6-1				84		%
Magnesium	24-2	254027.40	249061.29	258034.88	253707.86	1.77	ppb

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	CCV54	Instrumnet Name :	P8
Client Sample ID :	CCV54	Dilution Factor :	1
Date & Time Acquired ::	2019-01-21 16:46:49	DataFile Name :	059CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	1021.24	1005.22	1036.13	1020.86	1.51	ppb
Molybdenum	94-1	2715.07	2692.60	2634.94	2680.87	1.54	ppb
Molybdenum	95-1	2715.03	2682.82	2618.69	2672.18	1.84	ppb
Molybdenum	96-1	2711.19	2683.35	2633.34	2675.96	1.47	ppb
Molybdenum	97-1	2700.56	2715.66	2688.62	2701.61	0.50	ppb
Molybdenum	98-1	2710.72	2696.41	2647.55	2684.89	1.23	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	546.92	537.08	553.34	545.78	1.50	ppb
Phosphorus	31-2	9945.43	9064.35	9407.94	9472.57	4.69	ppb
Potassium	39-2	120264.75	119620.06	121477.90	120454.24	0.78	ppb
Rhodium	103-1				104		%
Rhodium	103-2				98		%
Scandium	45-1				98		%
Scandium	45-2				90		%
Selenium	77-2	400.19	448.56	508.09	452.28	11.95	ppb
Selenium	78-2	495.71	480.80	496.44	490.98	1.80	ppb
Selenium	82-1	517.26	518.17	504.29	513.24	1.51	ppb
Silicon	28-1	430.89	464.06	447.02	447.32	3.71	ppb
Silver	109-1	480.86	485.79	487.60	484.75	0.72	ppb
Silver	107-1	473.57	479.93	473.64	475.71	0.77	ppb
Sodium	23-2	247188.75	244163.84	251469.25	247607.28	1.48	ppb
Strontium	86-1	521.37	527.17	515.87	521.47	1.08	ppb
Strontium	88-1	535.09	533.00	530.23	532.77	0.46	ppb
Sulfur	34-1	7866.64	8453.80	7511.67	7944.04	5.99	ppb
Terbium	159-1				124		%
Terbium	159-2				111		%
Thallium	203-1	507.98	510.69	506.81	508.50	0.39	ppb
Thallium	205-1	545.32	535.77	535.88	538.99	1.02	ppb
Tin	118-1	503.23	504.30	507.25	504.93	0.41	ppb
Titanium	47-1	2661.66	2747.92	2624.25	2677.94	2.37	ppb
Uranium	238-1	549.45	543.46	542.75	545.22	0.67	ppb
Vanadium	51-2	535.05	529.07	535.48	533.20	0.67	ppb
Yttrium	89-1				109		%
Yttrium	89-2				97		%
Zinc	66-2	1061.17	1049.72	1080.09	1063.66	1.44	ppb

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	CCV54	Instrumnet Name :	P8
Client Sample ID :	CCV54	Dilution Factor :	1
Date & Time Acquired ::	2019-01-21 16:46:49	DataFile Name :	059CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	90-1	539.62	544.70	535.73	540.02	0.83	ppb
Zirconium	91-1	513.57	515.70	505.85	511.71	1.01	ppb

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	CCB54	Instrumnet Name :	P8
Client Sample ID :	CCB54	Dilution Factor :	1
Date & Time Acquired ::	2019-01-21 16:52:13	DataFile Name :	060CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	-2.27	-0.09	-1.91	-1.42		ppb
Antimony	121-1	0.09	0.12	0.12	0.11	14.77	ppb
Arsenic	75-2	-0.03	-0.01	0.02	-0.01		ppb
Barium	135-1	-0.01	-0.01	-0.01	-0.01		ppb
Barium	137-1	0.02	0.02	0.03	0.02	22.19	ppb
Beryllium	9-1	0.06	0.02	0.05	0.04	43.48	ppb
Bismuth	209-1				126		%
Bismuth	209-2				114		%
Boron	10-1	8.59	8.64	8.32	8.52	2.06	ppb
Boron	11-1	8.07	8.21	8.39	8.22	1.97	ppb
Cadmium	111-1	-0.14	-0.19	-0.19	-0.18		ppb
Cadmium	106-1	-2.13	-2.41	-2.64	-2.39		ppb
Cadmium	108-1	0.05	0.30	0.20	0.18	69.30	ppb
Calcium	43-1	-6.49	-5.40	-4.73	-5.54		ppb
Calcium	44-1	-36.31	-31.20	-30.43	-32.65		ppb
Chromium	52-2	0.24	0.29	0.32	0.28	14.60	ppb
Cobalt	59-2	-0.01	-0.01	-0.02	-0.02		ppb
Copper	63-2	0.20	0.20	0.15	0.18	13.96	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				121		%
Holmium	165-2				109		%
Indium	115-1				111		%
Indium	115-2				94		%
Iron	56-2	0.78	0.31	0.49	0.53	44.23	ppb
Iron	57-2	7.35	5.11	-0.63	3.94	104.44	ppb
Krypton	83-1						cps
Lead	206-1	0.22	0.19	0.24	0.22	12.49	ppb
Lead	207-1	0.23	0.28	0.22	0.24	12.43	ppb
Lead	208-1	0.23	0.21	0.22	0.22	3.25	ppb
Lithium	6-1				85		%
Magnesium	24-2	1.20	3.93	4.76	3.30	56.46	ppb

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	CCB54	Instrumnet Name :	P8
Client Sample ID :	CCB54	Dilution Factor :	1
Date & Time Acquired ::	2019-01-21 16:52:13	DataFile Name :	060CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	-0.05	0.12	-0.01	0.02	406.00	ppb
Molybdenum	94-1	0.09	0.10	0.08	0.09	10.45	ppb
Molybdenum	95-1	0.12	0.09	0.11	0.11	12.30	ppb
Molybdenum	96-1	0.15	0.15	0.10	0.13	21.69	ppb
Molybdenum	97-1	0.15	0.07	0.14	0.12	33.51	ppb
Molybdenum	98-1	0.14	0.14	0.08	0.12	25.98	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	-0.02	-0.01	-0.02	-0.01		ppb
Phosphorus	31-2	-34.70	-34.70	-19.94	-29.78		ppb
Potassium	39-2	20.54	14.53	3.46	12.84	67.45	ppb
Rhodium	103-1				105		%
Rhodium	103-2				97		%
Scandium	45-1				94		%
Scandium	45-2				84		%
Selenium	77-2	-1.24	-1.24	-1.24	-1.24		ppb
Selenium	78-2	-0.62	1.43	1.41	0.74	159.44	ppb
Selenium	82-1	-1.45	-0.25	1.19	-0.17		ppb
Silicon	28-1	-25.76	-21.76	-21.90	-23.14		ppb
Silver	109-1	0.05	0.04	0.03	0.04	27.29	ppb
Silver	107-1	0.05	0.08	0.06	0.06	19.53	ppb
Sodium	23-2	44.61	39.05	43.80	42.49	7.07	ppb
Strontium	86-1	-0.03	-0.08	-0.10	-0.07		ppb
Strontium	88-1	0.01	0.00	0.01	0.01	37.21	ppb
Sulfur	34-1	-5012.83	-4242.32	-4000.20	-4418.45		ppb
Terbium	159-1				118		%
Terbium	159-2				104		%
Thallium	203-1	0.02	0.01	0.01	0.01	59.58	ppb
Thallium	205-1	0.02	0.02	0.02	0.02	16.60	ppb
Tin	118-1	0.01	0.01	0.01	0.01	7.58	ppb
Titanium	47-1	0.00	-0.03	0.02	0.00		ppb
Uranium	238-1	0.00	0.00	0.00	0.00	9.22	ppb
Vanadium	51-2	-0.01	0.00	0.00	0.00		ppb
Yttrium	89-1				105		%
Yttrium	89-2				90		%
Zinc	66-2	0.27	0.29	0.26	0.27	5.25	ppb

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	CCB54	Instrumnet Name :	P8
Client Sample ID :	CCB54	Dilution Factor :	1
Date & Time Acquired ::	2019-01-21 16:52:13	DataFile Name :	060CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	90-1	0.01	0.01	0.01	0.01	15.70	ppb
Zirconium	91-1	0.00	0.00	-0.02	-0.01		ppb

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	K1079-12LDLX500	Instrumnet Name :	P8
Client Sample ID :	EPA-MW-39-OB-010720	Dilution Factor :	500
Date & Time Acquired ::	2019-01-21 16:55:47	DataFile Name :	061SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	1.26	4.46	3.48	3.07	53.42	ppb
Antimony	121-1	0.04	0.06	0.05	0.05	14.82	ppb
Arsenic	75-2	0.00	-0.03	-0.02	-0.02		ppb
Barium	135-1	0.20	0.31	0.28	0.26	21.26	ppb
Barium	137-1	0.30	0.30	0.30	0.30	0.43	ppb
Beryllium	9-1	0.02	0.04	0.03	0.03	29.06	ppb
Bismuth	209-1				125		%
Bismuth	209-2				120		%
Boron	10-1	13.79	12.24	13.84	13.29	6.83	ppb
Boron	11-1	12.41	11.97	13.06	12.48	4.42	ppb
Cadmium	111-1	0.68	0.66	0.57	0.64	9.22	ppb
Cadmium	106-1	-1.53	-0.18	-1.74	-1.15		ppb
Cadmium	108-1	0.88	0.73	0.56	0.73	21.79	ppb
Calcium	43-1	220.65	229.12	237.03	228.93	3.58	ppb
Calcium	44-1	199.58	197.28	197.66	198.18	0.62	ppb
Chromium	52-2	108.99	105.16	105.34	106.50	2.03	ppb
Cobalt	59-2	0.04	0.01	0.02	0.03	67.74	ppb
Copper	63-2	3.75	3.52	3.32	3.53	6.13	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				117		%
Holmium	165-2				113		%
Indium	115-1				110		%
Indium	115-2				100		%
Iron	56-2	0.58	0.44	-0.07	0.32	108.75	ppb
Iron	57-2	2.32	0.73	-0.91	0.71	226.42	ppb
Krypton	83-1						cps
Lead	206-1	0.12	0.15	0.15	0.14	13.19	ppb
Lead	207-1	0.17	0.14	0.13	0.14	15.15	ppb
Lead	208-1	0.14	0.15	0.15	0.15	1.85	ppb
Lithium	6-1				84		%
Magnesium	24-2	48.92	35.98	43.88	42.93	15.19	ppb

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	K1079-12LDLX500	Instrumnet Name :	P8
Client Sample ID :	EPA-MW-39-OB-010720	Dilution Factor :	500
Date & Time Acquired ::	2019-01-21 16:55:47	DataFile Name :	061SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	18.16	19.22	17.93	18.44	3.72	ppb
Molybdenum	94-1	0.04	0.04	0.02	0.03	40.87	ppb
Molybdenum	95-1	0.03	0.02	0.02	0.02	35.65	ppb
Molybdenum	96-1	0.05	0.04	0.01	0.03	71.33	ppb
Molybdenum	97-1	0.03	0.01	0.01	0.02	54.99	ppb
Molybdenum	98-1	0.02	0.02	0.03	0.02	30.93	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	1.97	1.90	2.20	2.02	7.80	ppb
Phosphorus	31-2	-34.70	-34.70	-34.70	-34.70		ppb
Potassium	39-2	29.84	22.05	3.29	18.39	74.20	ppb
Rhodium	103-1				103		%
Rhodium	103-2				103		%
Scandium	45-1				93		%
Scandium	45-2				87		%
Selenium	77-2	-1.24	-1.24	2.64	0.05	4348.01	ppb
Selenium	78-2	2.63	1.32	-0.62	1.11	147.37	ppb
Selenium	82-1	-0.48	1.06	0.00	0.19	408.31	ppb
Silicon	28-1	4.52	0.01	2.98	2.50	91.67	ppb
Silver	109-1	0.04	0.02	0.03	0.03	37.21	ppb
Silver	107-1	0.04	0.03	0.02	0.03	25.82	ppb
Sodium	23-2	680.92	655.11	648.12	661.38	2.61	ppb
Strontium	86-1	0.78	0.58	0.79	0.72	16.88	ppb
Strontium	88-1	0.83	0.84	0.84	0.84	0.60	ppb
Sulfur	34-1	-2994.29	-4326.72	-3386.89	-3569.30		ppb
Terbium	159-1				116		%
Terbium	159-2				110		%
Thallium	203-1	0.00	0.01	0.01	0.01	83.95	ppb
Thallium	205-1	0.01	0.00	0.01	0.01	53.04	ppb
Tin	118-1	-0.01	-0.05	0.02	-0.01		ppb
Titanium	47-1	-0.09	-0.08	0.03	-0.05		ppb
Uranium	238-1	0.00	0.00	0.00	0.00		ppb
Vanadium	51-2	-0.01	-0.02	-0.02	-0.02		ppb
Yttrium	89-1				103		%
Yttrium	89-2				96		%
Zinc	66-2	1.75	1.57	1.87	1.73	8.90	ppb

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	K1079-12LDLX500	Instrumnet Name :	P8
Client Sample ID :	EPA-MW-39-OB-010720	Dilution Factor :	500
Date & Time Acquired ::	2019-01-21 16:55:47	DataFile Name :	061SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	90-1	0.00	0.00	0.00	0.00	52960.88	ppb
Zirconium	91-1	-0.01	0.02	-0.01	0.00		ppb

LB Number : LB100421 Operator : Jaswal
 Lab Sample ID : K1079-13DLX100 Instrumnet Name : P8
 Client Sample ID : EPA-MW-39-OB-010720 Dilution Factor : 100
 Date & Time Acquired :: 2019-01-21 16:59:21 DataFile Name : 062SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	136.71	122.42	131.60	130.24	5.56	ppb
Antimony	121-1	5.77	5.71	5.79	5.75	0.74	ppb
Arsenic	75-2	6.27	7.01	5.94	6.41	8.59	ppb
Barium	135-1	31.09	31.22	31.90	31.40	1.38	ppb
Barium	137-1	31.28	31.82	32.63	31.91	2.14	ppb
Beryllium	9-1	6.51	6.29	6.33	6.38	1.85	ppb
Bismuth	209-1				125		%
Bismuth	209-2				118		%
Boron	10-1	41.45	44.06	42.64	42.72	3.05	ppb
Boron	11-1	41.29	41.80	39.98	41.02	2.29	ppb
Cadmium	111-1	9.73	9.49	9.82	9.68	1.78	ppb
Cadmium	106-1	7.07	7.73	6.91	7.24	5.96	ppb
Cadmium	108-1	8.14	11.51	8.46	9.37	19.82	ppb
Calcium	43-1	1846.40	1783.76	1794.82	1808.33	1.85	ppb
Calcium	44-1	1784.49	1748.96	1764.84	1766.10	1.01	ppb
Chromium	52-2	567.93	568.05	551.27	562.42	1.72	ppb
Cobalt	59-2	6.93	7.20	7.03	7.05	1.96	ppb
Copper	63-2	31.91	32.66	31.74	32.10	1.53	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				121		%
Holmium	165-2				113		%
Indium	115-1				111		%
Indium	115-2				100		%
Iron	56-2	336.14	340.28	331.04	335.82	1.38	ppb
Iron	57-2	354.99	331.47	338.44	341.63	3.54	ppb
Krypton	83-1						cps
Lead	206-1	6.42	6.04	6.35	6.27	3.19	ppb
Lead	207-1	5.99	5.87	5.90	5.92	1.05	ppb
Lead	208-1	6.09	5.90	6.00	6.00	1.57	ppb
Lithium	6-1				84		%
Magnesium	24-2	864.78	869.78	865.04	866.54	0.32	ppb

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	K1079-13DLX100	Instrumnet Name :	P8
Client Sample ID :	EPA-MW-39-OB-010720	Dilution Factor :	100
Date & Time Acquired ::	2019-01-21 16:59:21	DataFile Name :	062SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	111.58	112.47	108.96	111.00	1.64	ppb
Molybdenum	94-1	31.84	31.52	31.46	31.61	0.65	ppb
Molybdenum	95-1	31.15	31.10	30.37	30.87	1.40	ppb
Molybdenum	96-1	32.10	31.59	30.44	31.37	2.71	ppb
Molybdenum	97-1	31.57	31.62	31.63	31.60	0.11	ppb
Molybdenum	98-1	31.76	31.74	30.95	31.48	1.47	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	17.10	17.73	17.00	17.28	2.29	ppb
Phosphorus	31-2	-34.70	-34.70	-34.70	-34.70		ppb
Potassium	39-2	374.06	370.24	349.33	364.54	3.65	ppb
Rhodium	103-1				106		%
Rhodium	103-2				103		%
Scandium	45-1				95		%
Scandium	45-2				88		%
Selenium	77-2	-1.24	10.39	2.64	3.93	150.78	ppb
Selenium	78-2	5.20	7.78	3.90	5.63	35.02	ppb
Selenium	82-1	6.08	6.08	6.32	6.16	2.28	ppb
Silicon	28-1	113.94	107.46	108.44	109.95	3.18	ppb
Silver	109-1	5.84	5.84	5.67	5.78	1.74	ppb
Silver	107-1	5.81	5.93	5.86	5.86	1.07	ppb
Sodium	23-2	3953.13	3935.41	3828.86	3905.80	1.72	ppb
Strontium	86-1	10.76	10.31	10.39	10.49	2.29	ppb
Strontium	88-1	10.50	10.45	10.25	10.40	1.27	ppb
Sulfur	34-1	-2257.88	-3258.62	-3056.62	-2857.70		ppb
Terbium	159-1				118		%
Terbium	159-2				110		%
Thallium	203-1	6.06	6.14	5.92	6.04	1.82	ppb
Thallium	205-1	5.92	5.76	6.15	5.94	3.36	ppb
Tin	118-1	5.66	5.60	5.76	5.68	1.46	ppb
Titanium	47-1	31.16	30.19	30.18	30.51	1.84	ppb
Uranium	238-1	5.88	5.89	5.94	5.90	0.50	ppb
Vanadium	51-2	6.44	6.33	6.49	6.42	1.28	ppb
Yttrium	89-1				104		%
Yttrium	89-2				96		%
Zinc	66-2	21.96	21.73	20.35	21.35	4.08	ppb

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	K1079-13DLX100	Instrumnet Name :	P8
Client Sample ID :	EPA-MW-39-OB-010720	Dilution Factor :	100
Date & Time Acquired ::	2019-01-21 16:59:21	DataFile Name :	062SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	90-1	6.43	6.41	6.13	6.32	2.68	ppb
Zirconium	91-1	6.22	6.25	5.99	6.15	2.24	ppb

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	K1079-14DLX100	Instrumnet Name :	P8
Client Sample ID :	EPA-MW-39-OB-010720	Dilution Factor :	100
Date & Time Acquired ::	2019-01-21 17:02:55	DataFile Name :	063SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	125.86	115.77	125.33	122.32	4.64	ppb
Antimony	121-1	5.75	5.74	5.60	5.70	1.46	ppb
Arsenic	75-2	6.21	5.45	6.12	5.93	6.95	ppb
Barium	135-1	30.75	30.37	30.61	30.58	0.63	ppb
Barium	137-1	30.45	30.68	30.29	30.47	0.65	ppb
Beryllium	9-1	6.38	6.48	6.13	6.33	2.86	ppb
Bismuth	209-1				127		%
Bismuth	209-2				117		%
Boron	10-1	40.87	40.12	41.58	40.85	1.79	ppb
Boron	11-1	39.82	39.63	41.65	40.37	2.76	ppb
Cadmium	111-1	9.52	9.49	9.09	9.37	2.54	ppb
Cadmium	106-1	6.48	5.66	6.15	6.10	6.80	ppb
Cadmium	108-1	10.72	9.79	10.18	10.23	4.58	ppb
Calcium	43-1	1742.32	1752.50	1774.74	1756.52	0.94	ppb
Calcium	44-1	1722.10	1728.24	1744.17	1731.50	0.66	ppb
Chromium	52-2	551.74	554.64	569.39	558.59	1.69	ppb
Cobalt	59-2	6.84	6.91	6.96	6.90	0.91	ppb
Copper	63-2	31.41	31.40	32.68	31.83	2.32	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				121		%
Holmium	165-2				112		%
Indium	115-1				112		%
Indium	115-2				99		%
Iron	56-2	328.58	327.33	335.75	330.55	1.38	ppb
Iron	57-2	312.07	340.46	340.01	330.84	4.91	ppb
Krypton	83-1						cps
Lead	206-1	6.06	6.14	6.06	6.09	0.70	ppb
Lead	207-1	5.52	5.67	5.74	5.64	1.99	ppb
Lead	208-1	5.76	5.80	5.79	5.78	0.32	ppb
Lithium	6-1				83		%
Magnesium	24-2	833.53	817.38	870.83	840.58	3.26	ppb

LB Number : LB100421 Operator : Jaswal
 Lab Sample ID : K1079-14DLX100 Instrumnet Name : P8
 Client Sample ID : EPA-MW-39-OB-010720 Dilution Factor : 100
 Date & Time Acquired :: 2019-01-21 17:02:55 DataFile Name : 063SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	107.95	108.16	110.88	109.00	1.50	ppb
Molybdenum	94-1	30.76	30.01	29.67	30.15	1.86	ppb
Molybdenum	95-1	29.55	29.25	29.92	29.57	1.13	ppb
Molybdenum	96-1	29.69	29.78	29.76	29.74	0.16	ppb
Molybdenum	97-1	31.23	30.03	30.61	30.62	1.95	ppb
Molybdenum	98-1	30.01	30.26	29.75	30.01	0.84	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	17.58	17.48	17.53	17.53	0.29	ppb
Phosphorus	31-2	-20.47	-34.70	-20.10	-25.09		ppb
Potassium	39-2	307.75	320.41	325.79	317.98	2.91	ppb
Rhodium	103-1				105		%
Rhodium	103-2				102		%
Scandium	45-1				95		%
Scandium	45-2				86		%
Selenium	77-2	6.55	2.64	18.16	9.12	88.52	ppb
Selenium	78-2	7.17	11.03	5.20	7.80	38.05	ppb
Selenium	82-1	5.84	5.81	6.38	6.01	5.32	ppb
Silicon	28-1	106.90	104.06	119.74	110.23	7.58	ppb
Silver	109-1	5.66	5.67	5.41	5.58	2.58	ppb
Silver	107-1	5.67	5.48	5.75	5.63	2.46	ppb
Sodium	23-2	3863.29	3905.27	3967.49	3912.02	1.34	ppb
Strontium	86-1	10.47	10.10	10.16	10.24	1.93	ppb
Strontium	88-1	10.29	10.31	10.23	10.28	0.43	ppb
Sulfur	34-1	-3841.44	-4280.18	-3386.45	-3836.02		ppb
Terbium	159-1				118		%
Terbium	159-2				109		%
Thallium	203-1	5.69	5.90	5.84	5.81	1.88	ppb
Thallium	205-1	5.77	5.67	5.71	5.72	0.80	ppb
Tin	118-1	5.98	5.89	5.58	5.82	3.60	ppb
Titanium	47-1	28.89	29.66	29.60	29.38	1.45	ppb
Uranium	238-1	5.69	5.60	5.66	5.65	0.79	ppb
Vanadium	51-2	6.64	6.37	6.45	6.49	2.12	ppb
Yttrium	89-1				105		%
Yttrium	89-2				96		%
Zinc	66-2	19.73	19.84	22.26	20.61	6.95	ppb

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	K1079-14DLX100	Instrumnet Name :	P8
Client Sample ID :	EPA-MW-39-OB-010720	Dilution Factor :	100
Date & Time Acquired ::	2019-01-21 17:02:55	DataFile Name :	063SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	90-1	6.24	6.28	6.16	6.23	0.97	ppb
Zirconium	91-1	6.15	5.96	6.35	6.15	3.21	ppb

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	K1079-12ADLX100	Instrumnet Name :	P8
Client Sample ID :	EPA-MW-39-OB-010720	Dilution Factor :	100
Date & Time Acquired ::	2019-01-21 17:06:29	DataFile Name :	064SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	122.31	138.91	142.46	134.56	8.00	ppb
Antimony	121-1	5.86	5.65	5.78	5.76	1.88	ppb
Arsenic	75-2	5.93	6.11	5.62	5.89	4.24	ppb
Barium	135-1	30.13	30.81	29.65	30.20	1.93	ppb
Barium	137-1	30.31	31.33	30.87	30.84	1.66	ppb
Beryllium	9-1	6.69	6.39	6.55	6.54	2.31	ppb
Bismuth	209-1				125		%
Bismuth	209-2				117		%
Boron	10-1	39.62	38.39	40.66	39.56	2.87	ppb
Boron	11-1	39.20	40.68	41.41	40.43	2.78	ppb
Cadmium	111-1	9.79	9.30	9.44	9.51	2.65	ppb
Cadmium	106-1	8.21	6.59	5.21	6.67	22.49	ppb
Cadmium	108-1	9.54	8.06	9.20	8.94	8.69	ppb
Calcium	43-1	1801.60	1763.83	1711.34	1758.92	2.58	ppb
Calcium	44-1	1725.22	1724.05	1710.77	1720.01	0.47	ppb
Chromium	52-2	541.30	550.09	553.29	548.23	1.13	ppb
Cobalt	59-2	6.71	6.97	6.98	6.89	2.21	ppb
Copper	63-2	31.68	31.42	31.58	31.56	0.42	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				119		%
Holmium	165-2				113		%
Indium	115-1				111		%
Indium	115-2				100		%
Iron	56-2	323.33	330.81	333.00	329.05	1.54	ppb
Iron	57-2	330.31	355.23	343.31	342.95	3.63	ppb
Krypton	83-1						cps
Lead	206-1	5.75	5.81	5.87	5.81	1.06	ppb
Lead	207-1	5.64	5.58	5.68	5.63	0.89	ppb
Lead	208-1	5.73	5.71	5.82	5.75	1.02	ppb
Lithium	6-1				82		%
Magnesium	24-2	832.39	865.00	865.21	854.20	2.21	ppb

LB Number : LB100421 Operator : Jaswal
 Lab Sample ID : K1079-12ADLX100 Instrumnet Name : P8
 Client Sample ID : EPA-MW-39-OB-010720 Dilution Factor : 100
 Date & Time Acquired :: 2019-01-21 17:06:29 DataFile Name : 064SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	103.40	108.36	106.84	106.20	2.39	ppb
Molybdenum	94-1	30.38	30.70	31.11	30.73	1.19	ppb
Molybdenum	95-1	30.62	29.76	30.48	30.29	1.53	ppb
Molybdenum	96-1	30.51	30.69	30.18	30.46	0.85	ppb
Molybdenum	97-1	30.99	30.70	30.30	30.66	1.13	ppb
Molybdenum	98-1	30.85	30.51	30.70	30.69	0.56	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	16.87	17.60	17.30	17.25	2.12	ppb
Phosphorus	31-2	-34.70	-20.36	-20.47	-25.18		ppb
Potassium	39-2	326.89	334.77	322.96	328.21	1.83	ppb
Rhodium	103-1				105		%
Rhodium	103-2				103		%
Scandium	45-1				94		%
Scandium	45-2				88		%
Selenium	77-2	6.51	6.56	14.35	9.14	49.34	ppb
Selenium	78-2	7.13	7.17	4.57	6.29	23.65	ppb
Selenium	82-1	7.31	7.03	7.16	7.17	1.90	ppb
Silicon	28-1	107.63	106.15	105.48	106.42	1.03	ppb
Silver	109-1	5.71	5.77	5.71	5.73	0.59	ppb
Silver	107-1	5.76	5.64	5.70	5.70	1.05	ppb
Sodium	23-2	3748.70	3858.76	3843.85	3817.10	1.56	ppb
Strontium	86-1	10.11	9.81	10.39	10.10	2.85	ppb
Strontium	88-1	10.16	10.19	10.24	10.20	0.37	ppb
Sulfur	34-1	-3498.73	-4234.79	-3853.65	-3862.39		ppb
Terbium	159-1				116		%
Terbium	159-2				109		%
Thallium	203-1	5.58	5.58	5.66	5.61	0.77	ppb
Thallium	205-1	5.63	5.74	5.72	5.70	1.09	ppb
Tin	118-1	6.11	5.85	5.68	5.88	3.63	ppb
Titanium	47-1	31.23	30.06	30.61	30.63	1.91	ppb
Uranium	238-1	5.77	5.72	5.67	5.72	0.90	ppb
Vanadium	51-2	6.43	6.39	6.36	6.39	0.54	ppb
Yttrium	89-1				103		%
Yttrium	89-2				96		%
Zinc	66-2	20.40	21.26	22.94	21.53	6.00	ppb

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	K1079-12ADLX100	Instrumnet Name :	P8
Client Sample ID :	EPA-MW-39-OB-010720	Dilution Factor :	100
Date & Time Acquired ::	2019-01-21 17:06:29	DataFile Name :	064SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	90-1	6.23	6.18	6.13	6.18	0.75	ppb
Zirconium	91-1	6.42	6.00	6.25	6.22	3.40	ppb

LB Number : LB100421 Operator : Jaswal
 Lab Sample ID : K1104-06DLX100 Instrumnet Name : P8
 Client Sample ID : EPA-EX-2-OB-01092019 Dilution Factor : 100
 Date & Time Acquired :: 2019-01-21 17:10:03 DataFile Name : 065SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	10.55	7.93	3.24	7.24	51.17	ppb
Antimony	121-1	0.02	0.01	0.02	0.01	22.04	ppb
Arsenic	75-2	-0.08	-0.05	-0.08	-0.07		ppb
Barium	135-1	0.23	0.11	0.23	0.19	35.02	ppb
Barium	137-1	0.22	0.18	0.15	0.18	18.99	ppb
Beryllium	9-1	0.04	0.01	0.05	0.03	68.85	ppb
Bismuth	209-1				122		%
Bismuth	209-2				113		%
Boron	10-1	10.61	12.72	12.15	11.83	9.25	ppb
Boron	11-1	12.76	11.77	12.36	12.29	4.05	ppb
Cadmium	111-1	-0.12	-0.09	-0.13	-0.11		ppb
Cadmium	106-1	-2.46	-1.75	-2.15	-2.12		ppb
Cadmium	108-1	0.16	0.25	0.21	0.21	23.76	ppb
Calcium	43-1	433.41	451.54	388.60	424.52	7.63	ppb
Calcium	44-1	391.27	403.74	396.91	397.31	1.57	ppb
Chromium	52-2	373.52	370.29	382.03	375.28	1.62	ppb
Cobalt	59-2	0.08	0.09	0.05	0.07	29.11	ppb
Copper	63-2	9.50	9.34	9.16	9.33	1.82	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				116		%
Holmium	165-2				108		%
Indium	115-1				109		%
Indium	115-2				96		%
Iron	56-2	0.55	-0.30	0.18	0.14	296.36	ppb
Iron	57-2	2.70	2.46	0.87	2.01	49.67	ppb
Krypton	83-1						cps
Lead	206-1	0.06	0.05	0.09	0.07	24.31	ppb
Lead	207-1	0.10	0.08	0.07	0.08	19.37	ppb
Lead	208-1	0.08	0.05	0.08	0.07	26.22	ppb
Lithium	6-1				81		%
Magnesium	24-2	75.23	75.75	81.12	77.37	4.22	ppb

LB Number : LB100421 Operator : Jaswal
 Lab Sample ID : K1104-06DLX100 Instrumnet Name : P8
 Client Sample ID : EPA-EX-2-OB-01092019 Dilution Factor : 100
 Date & Time Acquired :: 2019-01-21 17:10:03 DataFile Name : 065SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	6.11	5.91	5.79	5.93	2.71	ppb
Molybdenum	94-1	0.02	0.05	0.00	0.02	110.28	ppb
Molybdenum	95-1	0.04	0.04	0.02	0.04	33.89	ppb
Molybdenum	96-1	0.04	0.02	0.02	0.02	40.43	ppb
Molybdenum	97-1	0.06	0.04	0.00	0.03	91.45	ppb
Molybdenum	98-1	0.05	0.03	0.01	0.03	65.50	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.81	0.75	0.92	0.83	10.49	ppb
Phosphorus	31-2	-34.70	-5.16	-20.43	-20.10		ppb
Potassium	39-2	40.20	13.14	25.61	26.32	51.46	ppb
Rhodium	103-1				103		%
Rhodium	103-2				99		%
Scandium	45-1				93		%
Scandium	45-2				84		%
Selenium	77-2	-1.24	2.85	-1.24	0.12	1950.41	ppb
Selenium	78-2	-0.62	-0.62	0.01	-0.41		ppb
Selenium	82-1	1.94	1.49	1.47	1.63	16.03	ppb
Silicon	28-1	161.61	166.70	160.66	162.99	1.99	ppb
Silver	109-1	0.01	0.00	0.01	0.01	52.36	ppb
Silver	107-1	0.01	0.01	0.03	0.02	83.46	ppb
Sodium	23-2	1427.01	1423.29	1461.71	1437.34	1.47	ppb
Strontium	86-1	0.46	0.48	0.43	0.46	4.89	ppb
Strontium	88-1	0.50	0.51	0.50	0.50	1.53	ppb
Sulfur	34-1	-5281.36	-5743.99	-5475.30	-5500.22		ppb
Terbium	159-1				114		%
Terbium	159-2				106		%
Thallium	203-1	0.00	-0.01	0.00	0.00		ppb
Thallium	205-1	0.00	0.00	0.00	0.00	157.35	ppb
Tin	118-1	-0.02	-0.02	-0.02	-0.02		ppb
Titanium	47-1	0.04	0.02	0.05	0.03	44.96	ppb
Uranium	238-1	0.00	0.00	0.00	0.00		ppb
Vanadium	51-2	-0.01	-0.02	-0.02	-0.02		ppb
Yttrium	89-1				102		%
Yttrium	89-2				93		%
Zinc	66-2	1.29	1.16	1.38	1.28	8.51	ppb

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	K1104-06DLX100	Instrumnet Name :	P8
Client Sample ID :	EPA-EX-2-OB-01092019	Dilution Factor :	100
Date & Time Acquired ::	2019-01-21 17:10:03	DataFile Name :	065SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	90-1	0.01	0.00	0.00	0.01	57.63	ppb
Zirconium	91-1	-0.03	-0.01	-0.01	-0.01		ppb

LB Number : LB100421 Operator : Jaswal
 Lab Sample ID : K1104-08DLX5 Instrumnet Name : P8
 Client Sample ID : EPA-MW-37-BR-0109201 Dilution Factor : 5
 Date & Time Acquired :: 2019-01-21 17:13:37 DataFile Name : 066SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	1.88	2.14	0.48	1.50	59.48	ppb
Antimony	121-1	0.01	0.01	0.01	0.01	19.44	ppb
Arsenic	75-2	-0.07	-0.02	-0.05	-0.05		ppb
Barium	135-1	20.55	20.49	20.45	20.50	0.24	ppb
Barium	137-1	20.96	21.27	20.61	20.95	1.56	ppb
Beryllium	9-1	0.01	0.04	0.01	0.02	65.27	ppb
Bismuth	209-1				129		%
Bismuth	209-2				119		%
Boron	10-1	9.33	8.45	8.66	8.81	5.24	ppb
Boron	11-1	8.92	8.96	8.83	8.90	0.77	ppb
Cadmium	111-1	-0.15	-0.17	-0.20	-0.18		ppb
Cadmium	106-1	-2.16	-2.32	-2.81	-2.43		ppb
Cadmium	108-1	0.05	0.19	0.05	0.10	86.45	ppb
Calcium	43-1	10431.10	10480.53	10527.63	10479.75	0.46	ppb
Calcium	44-1	10725.96	10796.47	10771.91	10764.78	0.33	ppb
Chromium	52-2	223.08	221.32	221.71	222.04	0.42	ppb
Cobalt	59-2	0.00	-0.02	-0.01	-0.01		ppb
Copper	63-2	0.34	0.36	0.34	0.35	3.07	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				125		%
Holmium	165-2				115		%
Indium	115-1				116		%
Indium	115-2				102		%
Iron	56-2	1.05	0.51	0.79	0.79	34.49	ppb
Iron	57-2	-1.06	3.35	2.57	1.62	145.19	ppb
Krypton	83-1						cps
Lead	206-1	0.06	0.09	0.07	0.08	19.60	ppb
Lead	207-1	0.04	0.06	0.06	0.05	20.59	ppb
Lead	208-1	0.06	0.07	0.06	0.06	2.72	ppb
Lithium	6-1				86		%
Magnesium	24-2	2239.33	2258.76	2254.11	2250.73	0.45	ppb

LB Number : LB100421 Operator : Jaswal
 Lab Sample ID : K1104-08DLX5 Instrumnet Name : P8
 Client Sample ID : EPA-MW-37-BR-0109201 Dilution Factor : 5
 Date & Time Acquired :: 2019-01-21 17:13:37 DataFile Name : 066SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	0.19	0.19	0.13	0.17	18.46	ppb
Molybdenum	94-1	0.06	0.05	0.05	0.05	12.76	ppb
Molybdenum	95-1	0.08	0.08	0.07	0.07	8.24	ppb
Molybdenum	96-1	0.04	0.03	0.06	0.04	38.86	ppb
Molybdenum	97-1	0.02	0.04	0.05	0.04	44.65	ppb
Molybdenum	98-1	0.06	0.07	0.08	0.07	12.99	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.26	0.42	0.34	0.34	23.09	ppb
Phosphorus	31-2	6.53	-34.70	-7.39	-11.85		ppb
Potassium	39-2	160.05	138.76	187.11	161.97	14.96	ppb
Rhodium	103-1				109		%
Rhodium	103-2				104		%
Scandium	45-1				100		%
Scandium	45-2				91		%
Selenium	77-2	-1.24	-1.24	2.54	0.02	10575.78	ppb
Selenium	78-2	1.89	0.00	0.01	0.63	171.58	ppb
Selenium	82-1	0.52	0.54	1.59	0.88	69.42	ppb
Silicon	28-1	613.17	612.62	622.87	616.22	0.94	ppb
Silver	109-1	0.00	0.00	0.01	0.00	188.64	ppb
Silver	107-1	0.02	0.02	0.01	0.02	21.42	ppb
Sodium	23-2	7733.34	7569.15	7688.81	7663.76	1.11	ppb
Strontium	86-1	15.32	16.14	15.99	15.82	2.76	ppb
Strontium	88-1	15.67	15.45	15.73	15.62	0.94	ppb
Sulfur	34-1	-5781.72	-5577.46	-5410.84	-5590.01		ppb
Terbium	159-1				123		%
Terbium	159-2				112		%
Thallium	203-1	0.00	-0.01	-0.01	0.00		ppb
Thallium	205-1	0.00	0.00	0.00	0.00		ppb
Tin	118-1	-0.01	-0.04	0.00	-0.02		ppb
Titanium	47-1	0.03	0.07	-0.06	0.01	601.06	ppb
Uranium	238-1	0.03	0.04	0.02	0.03	32.29	ppb
Vanadium	51-2	0.11	0.12	0.14	0.12	10.99	ppb
Yttrium	89-1				110		%
Yttrium	89-2				99		%
Zinc	66-2	1.09	1.01	1.42	1.17	18.42	ppb

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	K1104-08DLX5	Instrumnet Name :	P8
Client Sample ID :	EPA-MW-37-BR-0109201	Dilution Factor :	5
Date & Time Acquired ::	2019-01-21 17:13:37	DataFile Name :	066SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	90-1	0.01	0.00	0.01	0.01	92.44	ppb
Zirconium	91-1	0.00	0.03	0.00	0.01	167.47	ppb

LB Number : LB100421 Operator : Jaswal
 Lab Sample ID : K1104-08DUPDLX5 Instrumnet Name : P8
 Client Sample ID : EPA-MW-37-BR-0109201 Dilution Factor : 5
 Date & Time Acquired :: 2019-01-21 17:17:09 DataFile Name : 067SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	0.51	-0.39	-1.21	-0.36		ppb
Antimony	121-1	0.01	0.01	0.01	0.01	47.01	ppb
Arsenic	75-2	0.01	0.01	-0.08	-0.02		ppb
Barium	135-1	21.33	21.08	21.75	21.39	1.59	ppb
Barium	137-1	21.42	21.73	21.19	21.45	1.26	ppb
Beryllium	9-1	0.01	0.02	0.04	0.02	57.82	ppb
Bismuth	209-1				129		%
Bismuth	209-2				118		%
Boron	10-1	8.19	7.52	8.65	8.12	7.01	ppb
Boron	11-1	8.56	7.73	8.78	8.36	6.62	ppb
Cadmium	111-1	-0.10	-0.17	-0.26	-0.18		ppb
Cadmium	106-1	-1.38	-2.27	-3.70	-2.45		ppb
Cadmium	108-1	0.05	0.05	0.05	0.05	0.25	ppb
Calcium	43-1	10481.97	10579.90	10621.20	10561.03	0.68	ppb
Calcium	44-1	10941.03	10895.79	10973.86	10936.89	0.36	ppb
Chromium	52-2	225.86	229.72	221.95	225.84	1.72	ppb
Cobalt	59-2	0.01	0.00	-0.01	0.00		ppb
Copper	63-2	0.33	0.28	0.33	0.32	9.38	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				124		%
Holmium	165-2				114		%
Indium	115-1				115		%
Indium	115-2				102		%
Iron	56-2	0.80	1.11	0.48	0.80	39.73	ppb
Iron	57-2	3.03	-1.79	0.12	0.45	537.12	ppb
Krypton	83-1						cps
Lead	206-1	0.04	0.06	0.06	0.05	25.24	ppb
Lead	207-1	0.08	0.07	0.04	0.06	39.12	ppb
Lead	208-1	0.07	0.06	0.06	0.06	8.45	ppb
Lithium	6-1				87		%
Magnesium	24-2	2284.80	2259.55	2233.26	2259.20	1.14	ppb

LB Number : LB100421 Operator : Jaswal
 Lab Sample ID : K1104-08DUPDLX5 Instrumnet Name : P8
 Client Sample ID : EPA-MW-37-BR-0109201 Dilution Factor : 5
 Date & Time Acquired :: 2019-01-21 17:17:09 DataFile Name : 067SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	0.12	0.12	0.19	0.14	27.46	ppb
Molybdenum	94-1	0.07	0.07	0.01	0.05	77.72	ppb
Molybdenum	95-1	0.08	0.05	0.03	0.06	43.89	ppb
Molybdenum	96-1	0.03	0.11	0.05	0.07	63.67	ppb
Molybdenum	97-1	0.03	0.04	0.03	0.04	20.31	ppb
Molybdenum	98-1	0.07	0.05	0.06	0.06	22.38	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.31	0.35	0.33	0.33	6.09	ppb
Phosphorus	31-2	-34.70	-34.70	-7.42	-25.60		ppb
Potassium	39-2	124.85	188.10	176.36	163.10	20.63	ppb
Rhodium	103-1				110		%
Rhodium	103-2				104		%
Scandium	45-1				100		%
Scandium	45-2				90		%
Selenium	77-2	2.55	2.61	2.54	2.57	1.58	ppb
Selenium	78-2	-0.62	0.02	-0.62	-0.41		ppb
Selenium	82-1	0.79	0.51	0.32	0.54	44.28	ppb
Silicon	28-1	615.32	617.95	629.34	620.87	1.20	ppb
Silver	109-1	0.00	0.01	0.01	0.00	207.04	ppb
Silver	107-1	0.01	0.00	0.01	0.01	123.24	ppb
Sodium	23-2	7694.16	7869.39	7701.12	7754.89	1.28	ppb
Strontium	86-1	15.56	15.86	15.70	15.71	0.94	ppb
Strontium	88-1	16.03	16.07	15.92	16.01	0.49	ppb
Sulfur	34-1	-5655.49	-5680.21	-5343.15	-5559.62		ppb
Terbium	159-1				122		%
Terbium	159-2				111		%
Thallium	203-1	0.00	-0.01	0.01	0.00	377.38	ppb
Thallium	205-1	-0.01	0.00	0.00	0.00		ppb
Tin	118-1	-0.03	-0.04	0.00	-0.02		ppb
Titanium	47-1	0.05	-0.02	-0.04	0.00		ppb
Uranium	238-1	0.01	0.02	0.02	0.02	18.07	ppb
Vanadium	51-2	0.06	0.07	0.14	0.09	43.69	ppb
Yttrium	89-1				109		%
Yttrium	89-2				98		%
Zinc	66-2	1.31	0.64	1.25	1.06	34.91	ppb

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	K1104-08DUPDLX5	Instrumnet Name :	P8
Client Sample ID :	EPA-MW-37-BR-0109201	Dilution Factor :	5
Date & Time Acquired ::	2019-01-21 17:17:09	DataFile Name :	067SMPL.d

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

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	K1104-08LDLX25	Instrumnet Name :	P8
Client Sample ID :	EPA-MW-37-BR-0109201	Dilution Factor :	25
Date & Time Acquired ::	2019-01-21 17:20:42	DataFile Name :	068SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	-0.95	-0.67	-2.15	-1.26		ppb
Antimony	121-1	0.01	0.01	0.01	0.01	19.65	ppb
Arsenic	75-2	-0.04	-0.05	-0.05	-0.05		ppb
Barium	135-1	4.10	4.06	4.14	4.10	0.91	ppb
Barium	137-1	4.09	4.16	3.95	4.07	2.62	ppb
Beryllium	9-1	0.01	0.01	0.03	0.01	67.33	ppb
Bismuth	209-1				132		%
Bismuth	209-2				120		%
Boron	10-1	4.26	4.27	4.69	4.41	5.65	ppb
Boron	11-1	4.54	4.78	4.27	4.53	5.64	ppb
Cadmium	111-1	-0.18	-0.12	-0.15	-0.15		ppb
Cadmium	106-1	-2.48	-1.63	-1.99	-2.03		ppb
Cadmium	108-1	0.10	0.10	0.05	0.08	35.81	ppb
Calcium	43-1	2067.09	2044.03	2074.49	2061.87	0.77	ppb
Calcium	44-1	2038.70	2000.85	2018.25	2019.27	0.94	ppb
Chromium	52-2	42.19	42.54	44.41	43.05	2.77	ppb
Cobalt	59-2	-0.03	-0.03	-0.04	-0.03		ppb
Copper	63-2	0.13	0.05	0.06	0.08	57.44	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				126		%
Holmium	165-2				116		%
Indium	115-1				118		%
Indium	115-2				103		%
Iron	56-2	-0.28	-0.09	0.57	0.07	680.03	ppb
Iron	57-2	0.81	1.53	1.09	1.14	31.97	ppb
Krypton	83-1						cps
Lead	206-1	0.05	0.05	0.03	0.05	23.51	ppb
Lead	207-1	0.03	0.06	0.05	0.04	33.64	ppb
Lead	208-1	0.05	0.05	0.03	0.04	21.31	ppb
Lithium	6-1				88		%
Magnesium	24-2	442.56	421.02	457.98	440.52	4.21	ppb

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	K1104-08LDLX25	Instrumnet Name :	P8
Client Sample ID :	EPA-MW-37-BR-0109201	Dilution Factor :	25
Date & Time Acquired ::	2019-01-21 17:20:42	DataFile Name :	068SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	0.10	0.07	0.03	0.07	50.19	ppb
Molybdenum	94-1	0.01	-0.03	0.03	0.00	855.55	ppb
Molybdenum	95-1	0.01	0.01	0.00	0.01	111.01	ppb
Molybdenum	96-1	0.02	0.01	0.01	0.01	25.71	ppb
Molybdenum	97-1	-0.02	-0.03	-0.01	-0.02		ppb
Molybdenum	98-1	-0.01	0.02	-0.01	0.00	1179.61	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.06	0.06	0.10	0.08	30.04	ppb
Phosphorus	31-2	5.55	-8.10	-34.70	-12.41		ppb
Potassium	39-2	8.28	6.32	14.52	9.71	44.13	ppb
Rhodium	103-1				111		%
Rhodium	103-2				106		%
Scandium	45-1				102		%
Scandium	45-2				92		%
Selenium	77-2	2.52	2.53	-1.24	1.27	171.39	ppb
Selenium	78-2	0.01	0.63	0.63	0.42	85.57	ppb
Selenium	82-1	-0.07	1.01	0.72	0.55	100.44	ppb
Silicon	28-1	116.69	114.17	117.86	116.24	1.62	ppb
Silver	109-1	0.00	0.01	0.00	0.00	153.47	ppb
Silver	107-1	0.00	0.01	0.00	0.00	118.08	ppb
Sodium	23-2	1442.11	1446.37	1522.13	1470.20	3.06	ppb
Strontium	86-1	3.24	2.80	3.02	3.02	7.33	ppb
Strontium	88-1	3.13	3.05	3.05	3.08	1.39	ppb
Sulfur	34-1	-6187.97	-6429.05	-6240.37	-6285.80		ppb
Terbium	159-1				124		%
Terbium	159-2				113		%
Thallium	203-1	0.00	-0.01	0.00	0.00		ppb
Thallium	205-1	0.00	0.00	0.00	0.00	179.55	ppb
Tin	118-1	-0.02	-0.02	-0.04	-0.03		ppb
Titanium	47-1	0.03	-0.06	-0.04	-0.03		ppb
Uranium	238-1	0.00	0.00	0.00	0.00	369.16	ppb
Vanadium	51-2	0.01	0.03	0.00	0.01	109.85	ppb
Yttrium	89-1				111		%
Yttrium	89-2				99		%
Zinc	66-2	0.38	0.42	0.51	0.43	15.50	ppb

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	K1104-08LDLX25	Instrumnet Name :	P8
Client Sample ID :	EPA-MW-37-BR-0109201	Dilution Factor :	25
Date & Time Acquired ::	2019-01-21 17:20:42	DataFile Name :	068SMPL.d

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

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	K1104-08MSDLX5	Instrumnet Name :	P8
Client Sample ID :	EPA-MW-37-BR-0109201	Dilution Factor :	5
Date & Time Acquired ::	2019-01-21 17:24:16	DataFile Name :	069SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	1841.10	1835.35	1877.77	1851.41	1.24	ppb
Antimony	121-1	92.48	95.22	91.64	93.11	2.01	ppb
Arsenic	75-2	97.37	94.80	96.08	96.08	1.34	ppb
Barium	135-1	510.40	518.65	510.30	513.12	0.93	ppb
Barium	137-1	519.01	523.29	513.75	518.69	0.92	ppb
Beryllium	9-1	105.45	106.18	107.93	106.52	1.19	ppb
Bismuth	209-1				119		%
Bismuth	209-2				104		%
Boron	10-1	108.92	121.30	111.28	113.83	5.77	ppb
Boron	11-1	106.84	109.80	113.48	110.04	3.02	ppb
Cadmium	111-1	92.72	94.13	92.59	93.15	0.91	ppb
Cadmium	106-1	88.48	93.25	87.19	89.64	3.56	ppb
Cadmium	108-1	90.17	91.70	89.06	90.31	1.46	ppb
Calcium	43-1	28452.92	28718.74	28454.54	28542.06	0.54	ppb
Calcium	44-1	28926.95	28949.79	28694.22	28856.99	0.49	ppb
Chromium	52-2	511.97	506.58	510.06	509.54	0.54	ppb
Cobalt	59-2	109.06	105.95	109.01	108.01	1.65	ppb
Copper	63-2	228.25	225.52	228.20	227.33	0.69	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				119		%
Holmium	165-2				104		%
Indium	115-1				110		%
Indium	115-2				92		%
Iron	56-2	5551.82	5424.46	5530.11	5502.13	1.24	ppb
Iron	57-2	5430.42	5302.56	5357.74	5363.57	1.20	ppb
Krypton	83-1						cps
Lead	206-1	98.22	98.44	98.56	98.41	0.18	ppb
Lead	207-1	94.11	93.89	93.85	93.95	0.15	ppb
Lead	208-1	95.52	95.19	95.23	95.31	0.19	ppb
Lithium	6-1				74		%
Magnesium	24-2	13885.67	13636.82	13928.15	13816.88	1.14	ppb

LB Number : LB100421 Operator : Jaswal
 Lab Sample ID : K1104-08MSDLX5 Instrumnet Name : P8
 Client Sample ID : EPA-MW-37-BR-0109201 Dilution Factor : 5
 Date & Time Acquired :: 2019-01-21 17:24:16 DataFile Name : 069SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	208.18	204.17	210.01	207.46	1.44	ppb
Molybdenum	94-1	506.27	514.90	509.72	510.30	0.85	ppb
Molybdenum	95-1	492.36	503.51	499.16	498.34	1.13	ppb
Molybdenum	96-1	496.20	508.52	501.65	502.12	1.23	ppb
Molybdenum	97-1	502.37	514.74	507.34	508.15	1.22	ppb
Molybdenum	98-1	516.56	526.41	523.91	522.29	0.98	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	110.33	110.99	114.37	111.90	1.94	ppb
Phosphorus	31-2	-34.70	-20.16	-4.96	-19.94		ppb
Potassium	39-2	4997.56	5031.10	5079.71	5036.13	0.82	ppb
Rhodium	103-1				102		%
Rhodium	103-2				97		%
Scandium	45-1				94		%
Scandium	45-2				85		%
Selenium	77-2	82.27	118.91	103.26	101.48	18.12	ppb
Selenium	78-2	86.36	88.44	92.02	88.94	3.22	ppb
Selenium	82-1	99.23	98.90	103.28	100.47	2.43	ppb
Silicon	28-1	1163.07	1138.72	1118.70	1140.16	1.95	ppb
Silver	109-1	91.06	92.01	90.90	91.32	0.66	ppb
Silver	107-1	91.57	91.54	91.12	91.41	0.27	ppb
Sodium	23-2	25398.71	24659.07	25330.58	25129.45	1.63	ppb
Strontium	86-1	128.11	129.68	128.04	128.61	0.72	ppb
Strontium	88-1	133.57	133.41	132.38	133.12	0.48	ppb
Sulfur	34-1	-5025.30	-5111.49	-5403.78	-5180.19		ppb
Terbium	159-1				116		%
Terbium	159-2				102		%
Thallium	203-1	98.97	97.78	97.49	98.08	0.80	ppb
Thallium	205-1	99.53	99.98	98.70	99.40	0.65	ppb
Tin	118-1	92.01	92.59	91.04	91.88	0.85	ppb
Titanium	47-1	483.82	491.94	485.35	487.04	0.89	ppb
Uranium	238-1	99.84	99.31	99.76	99.64	0.28	ppb
Vanadium	51-2	104.14	103.45	105.49	104.36	1.00	ppb
Yttrium	89-1				103		%
Yttrium	89-2				89		%
Zinc	66-2	216.90	211.76	215.16	214.61	1.22	ppb

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	K1104-08MSDLX5	Instrumnet Name :	P8
Client Sample ID :	EPA-MW-37-BR-0109201	Dilution Factor :	5
Date & Time Acquired ::	2019-01-21 17:24:16	DataFile Name :	069SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	90-1	102.28	101.89	102.26	102.15	0.21	ppb
Zirconium	91-1	100.34	99.82	101.48	100.55	0.84	ppb

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	K1104-08MSDDLX5	Instrumnet Name :	P8
Client Sample ID :	EPA-MW-37-BR-0109201	Dilution Factor :	5
Date & Time Acquired ::	2019-01-21 17:27:47	DataFile Name :	070SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	1851.18	1832.84	1860.74	1848.25	0.77	ppb
Antimony	121-1	93.25	92.77	91.77	92.60	0.81	ppb
Arsenic	75-2	95.05	100.41	97.89	97.79	2.74	ppb
Barium	135-1	512.63	509.88	509.42	510.64	0.34	ppb
Barium	137-1	519.97	508.97	516.91	515.28	1.10	ppb
Beryllium	9-1	109.04	109.57	108.18	108.93	0.64	ppb
Bismuth	209-1				122		%
Bismuth	209-2				105		%
Boron	10-1	116.52	122.70	124.61	121.28	3.49	ppb
Boron	11-1	110.73	114.97	114.88	113.53	2.13	ppb
Cadmium	111-1	94.94	92.25	92.19	93.13	1.69	ppb
Cadmium	106-1	89.29	92.19	89.29	90.25	1.85	ppb
Cadmium	108-1	88.19	89.88	88.94	89.00	0.95	ppb
Calcium	43-1	29239.68	28529.08	28694.24	28821.00	1.29	ppb
Calcium	44-1	29569.28	28929.38	28947.42	29148.70	1.25	ppb
Chromium	52-2	510.92	506.62	511.66	509.73	0.53	ppb
Cobalt	59-2	108.99	109.34	110.02	109.45	0.48	ppb
Copper	63-2	229.94	230.34	232.63	230.97	0.63	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				121		%
Holmium	165-2				104		%
Indium	115-1				109		%
Indium	115-2				91		%
Iron	56-2	5563.69	5574.41	5621.15	5586.42	0.55	ppb
Iron	57-2	5367.86	5379.37	5415.88	5387.70	0.47	ppb
Krypton	83-1						cps
Lead	206-1	96.98	98.59	99.97	98.51	1.52	ppb
Lead	207-1	92.73	94.32	95.02	94.03	1.25	ppb
Lead	208-1	94.30	95.83	96.77	95.64	1.30	ppb
Lithium	6-1				70		%
Magnesium	24-2	13973.73	14188.17	14046.46	14069.46	0.78	ppb

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	K1104-08MSDDLX5	Instrumnet Name :	P8
Client Sample ID :	EPA-MW-37-BR-0109201	Dilution Factor :	5
Date & Time Acquired ::	2019-01-21 17:27:47	DataFile Name :	070SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	209.98	208.97	209.73	209.56	0.25	ppb
Molybdenum	94-1	512.25	513.14	517.66	514.35	0.56	ppb
Molybdenum	95-1	496.43	495.23	506.35	499.34	1.22	ppb
Molybdenum	96-1	508.55	502.73	512.09	507.79	0.93	ppb
Molybdenum	97-1	512.29	505.78	519.22	512.43	1.31	ppb
Molybdenum	98-1	531.36	531.97	538.85	534.06	0.78	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	113.01	112.38	115.95	113.78	1.67	ppb
Phosphorus	31-2	9.66	-34.70	-4.19	-9.74		ppb
Potassium	39-2	4976.73	4966.46	5086.86	5010.02	1.33	ppb
Rhodium	103-1				101		%
Rhodium	103-2				97		%
Scandium	45-1				91		%
Scandium	45-2				83		%
Selenium	77-2	98.54	91.85	74.08	88.16	14.34	ppb
Selenium	78-2	99.14	104.45	108.87	104.16	4.67	ppb
Selenium	82-1	98.83	100.54	101.93	100.43	1.54	ppb
Silicon	28-1	1152.43	1121.34	1126.02	1133.26	1.48	ppb
Silver	109-1	90.89	89.12	89.67	89.89	1.01	ppb
Silver	107-1	90.87	89.57	89.87	90.10	0.75	ppb
Sodium	23-2	24976.57	25127.71	25211.92	25105.40	0.48	ppb
Strontium	86-1	128.47	126.76	128.98	128.07	0.91	ppb
Strontium	88-1	134.42	133.77	134.89	134.36	0.42	ppb
Sulfur	34-1	-5236.72	-5611.52	-5843.01	-5563.75		ppb
Terbium	159-1				118		%
Terbium	159-2				102		%
Thallium	203-1	98.68	98.43	98.79	98.63	0.19	ppb
Thallium	205-1	100.01	97.73	100.34	99.36	1.43	ppb
Tin	118-1	92.26	92.07	90.16	91.50	1.27	ppb
Titanium	47-1	491.78	483.70	491.98	489.15	0.97	ppb
Uranium	238-1	101.09	99.71	100.54	100.45	0.69	ppb
Vanadium	51-2	105.52	105.12	106.17	105.60	0.50	ppb
Yttrium	89-1				103		%
Yttrium	89-2				89		%
Zinc	66-2	215.18	214.73	229.16	219.69	3.73	ppb

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	K1104-08MSDDLX5	Instrumnet Name :	P8
Client Sample ID :	EPA-MW-37-BR-0109201	Dilution Factor :	5
Date & Time Acquired ::	2019-01-21 17:27:47	DataFile Name :	070SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	90-1	102.69	102.30	103.26	102.75	0.47	ppb
Zirconium	91-1	99.71	100.75	102.80	101.09	1.56	ppb

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	CCV55	Instrumnet Name :	P8
Client Sample ID :	CCV55	Dilution Factor :	1
Date & Time Acquired ::	2019-01-21 17:32:09	DataFile Name :	071CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	51218.83	49471.02	50771.73	50487.20	1.80	ppb
Antimony	121-1	499.16	516.58	504.83	506.85	1.75	ppb
Arsenic	75-2	507.64	501.74	500.60	503.33	0.75	ppb
Barium	135-1	2566.45	2603.42	2561.52	2577.13	0.89	ppb
Barium	137-1	2536.69	2575.20	2559.11	2557.00	0.76	ppb
Beryllium	9-1	573.89	565.02	569.55	569.49	0.78	ppb
Bismuth	209-1				121		%
Bismuth	209-2				108		%
Boron	10-1	569.03	570.38	567.35	568.92	0.27	ppb
Boron	11-1	544.53	541.06	549.28	544.96	0.76	ppb
Cadmium	111-1	476.54	477.06	474.50	476.03	0.28	ppb
Cadmium	106-1	476.16	462.54	477.42	472.04	1.75	ppb
Cadmium	108-1	472.67	472.13	468.00	470.93	0.54	ppb
Calcium	43-1	252306.11	255555.38	252115.60	253325.69	0.76	ppb
Calcium	44-1	255054.14	257198.71	252429.43	254894.09	0.94	ppb
Chromium	52-2	552.01	536.22	537.08	541.77	1.64	ppb
Cobalt	59-2	552.47	531.75	537.78	540.67	1.97	ppb
Copper	63-2	1082.52	1051.53	1053.21	1062.42	1.64	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				122		%
Holmium	165-2				111		%
Indium	115-1				109		%
Indium	115-2				95		%
Iron	56-2	134146.41	130332.66	130400.49	131626.52	1.66	ppb
Iron	57-2	135705.08	132122.21	133095.21	133640.83	1.39	ppb
Krypton	83-1						cps
Lead	206-1	502.05	500.88	495.76	499.56	0.67	ppb
Lead	207-1	494.79	497.11	490.81	494.23	0.64	ppb
Lead	208-1	515.68	514.48	512.21	514.13	0.34	ppb
Lithium	6-1				76		%
Magnesium	24-2	262232.94	252724.60	255185.45	256714.33	1.92	ppb

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	CCV55	Instrumnet Name :	P8
Client Sample ID :	CCV55	Dilution Factor :	1
Date & Time Acquired ::	2019-01-21 17:32:09	DataFile Name :	071CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	1047.48	1012.44	1019.62	1026.51	1.80	ppb
Molybdenum	94-1	2663.21	2690.77	2613.47	2655.82	1.48	ppb
Molybdenum	95-1	2650.36	2665.13	2645.35	2653.62	0.39	ppb
Molybdenum	96-1	2685.85	2680.41	2637.24	2667.83	1.00	ppb
Molybdenum	97-1	2705.00	2681.61	2649.90	2678.84	1.03	ppb
Molybdenum	98-1	2680.54	2677.65	2634.09	2664.09	0.98	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	559.91	538.17	539.97	546.01	2.21	ppb
Phosphorus	31-2	9050.44	9272.88	9569.82	9297.71	2.80	ppb
Potassium	39-2	125225.56	120761.08	123187.01	123057.88	1.82	ppb
Rhodium	103-1				101		%
Rhodium	103-2				96		%
Scandium	45-1				95		%
Scandium	45-2				89		%
Selenium	77-2	458.51	549.73	505.20	504.48	9.04	ppb
Selenium	78-2	523.92	461.73	490.18	491.94	6.33	ppb
Selenium	82-1	508.35	508.51	509.22	508.70	0.09	ppb
Silicon	28-1	423.76	431.65	435.36	430.26	1.38	ppb
Silver	109-1	483.64	484.50	482.05	483.39	0.26	ppb
Silver	107-1	474.10	469.41	476.71	473.40	0.78	ppb
Sodium	23-2	257361.04	249358.41	249699.90	252139.78	1.79	ppb
Strontium	86-1	523.87	519.78	515.52	519.73	0.80	ppb
Strontium	88-1	527.76	534.83	526.30	529.63	0.86	ppb
Sulfur	34-1	6899.03	6580.91	6426.03	6635.32	3.63	ppb
Terbium	159-1				119		%
Terbium	159-2				107		%
Thallium	203-1	503.56	501.94	497.62	501.04	0.61	ppb
Thallium	205-1	530.49	529.66	532.65	530.93	0.29	ppb
Tin	118-1	492.26	511.56	505.50	503.10	1.96	ppb
Titanium	47-1	2657.36	2644.83	2637.62	2646.60	0.38	ppb
Uranium	238-1	539.91	546.11	535.21	540.41	1.01	ppb
Vanadium	51-2	551.01	531.97	536.10	539.70	1.86	ppb
Yttrium	89-1				106		%
Yttrium	89-2				95		%
Zinc	66-2	1091.35	1048.99	1060.38	1066.90	2.05	ppb

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	CCV55	Instrumnet Name :	P8
Client Sample ID :	CCV55	Dilution Factor :	1
Date & Time Acquired ::	2019-01-21 17:32:09	DataFile Name :	071CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	90-1	536.90	529.80	530.29	532.33	0.75	ppb
Zirconium	91-1	509.50	509.17	505.06	507.91	0.49	ppb

LB Number : LB100421 Operator : Jaswal
 Lab Sample ID : CCB55 Instrumnet Name : P8
 Client Sample ID : CCB55 Dilution Factor : 1
 Date & Time Acquired :: 2019-01-21 17:37:16 DataFile Name : 072CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	1.21	-0.14	0.71	0.59	115.68	ppb
Antimony	121-1	0.15	0.12	0.12	0.13	13.66	ppb
Arsenic	75-2	0.03	0.00	0.00	0.01	259.16	ppb
Barium	135-1	-0.01	0.07	0.00	0.02	185.33	ppb
Barium	137-1	0.06	0.03	0.02	0.04	57.83	ppb
Beryllium	9-1	0.05	0.08	0.06	0.06	23.31	ppb
Bismuth	209-1				131		%
Bismuth	209-2				118		%
Boron	10-1	6.58	5.32	4.67	5.52	17.63	ppb
Boron	11-1	5.39	5.02	5.15	5.19	3.69	ppb
Cadmium	111-1	-0.20	-0.24	-0.22	-0.22		ppb
Cadmium	106-1	-2.87	-3.44	-2.94	-3.08		ppb
Cadmium	108-1	0.10	0.15	0.14	0.13	22.45	ppb
Calcium	43-1	-8.62	-0.38	-6.41	-5.14		ppb
Calcium	44-1	-39.72	-31.56	-41.85	-37.71		ppb
Chromium	52-2	0.18	0.13	0.21	0.17	23.77	ppb
Cobalt	59-2	-0.01	-0.01	-0.02	-0.01		ppb
Copper	63-2	0.15	0.07	0.12	0.11	34.82	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				125		%
Holmium	165-2				113		%
Indium	115-1				117		%
Indium	115-2				102		%
Iron	56-2	0.96	0.72	1.13	0.94	22.23	ppb
Iron	57-2	0.60	-1.05	3.76	1.10	221.83	ppb
Krypton	83-1						cps
Lead	206-1	0.24	0.29	0.20	0.24	19.80	ppb
Lead	207-1	0.23	0.22	0.22	0.22	1.80	ppb
Lead	208-1	0.23	0.26	0.23	0.24	9.28	ppb
Lithium	6-1				85		%
Magnesium	24-2	2.68	-0.15	5.17	2.57	103.56	ppb

LB Number : LB100421 Operator : Jaswal
 Lab Sample ID : CCB55 Instrumnet Name : P8
 Client Sample ID : CCB55 Dilution Factor : 1
 Date & Time Acquired :: 2019-01-21 17:37:16 DataFile Name : 072CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	0.07	0.04	-0.03	0.03	194.98	ppb
Molybdenum	94-1	0.08	0.11	0.03	0.07	57.53	ppb
Molybdenum	95-1	0.14	0.17	0.08	0.13	32.29	ppb
Molybdenum	96-1	0.17	0.15	0.14	0.16	11.05	ppb
Molybdenum	97-1	0.09	0.17	0.09	0.11	44.04	ppb
Molybdenum	98-1	0.15	0.14	0.10	0.13	22.28	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.05	0.03	0.05	0.04	25.38	ppb
Phosphorus	31-2	-34.70	-20.93	-34.70	-30.11		ppb
Potassium	39-2	-4.72	13.44	12.16	6.96	145.62	ppb
Rhodium	103-1				111		%
Rhodium	103-2				104		%
Scandium	45-1				100		%
Scandium	45-2				90		%
Selenium	77-2	2.52	-1.24	2.55	1.28	170.80	ppb
Selenium	78-2	1.26	0.01	1.91	1.06	90.79	ppb
Selenium	82-1	1.61	0.21	0.10	0.64	131.29	ppb
Silicon	28-1	-31.06	-29.75	-30.03	-30.28		ppb
Silver	109-1	0.06	0.05	0.04	0.05	21.98	ppb
Silver	107-1	0.06	0.05	0.06	0.05	12.38	ppb
Sodium	23-2	8.19	11.49	11.53	10.40	18.41	ppb
Strontium	86-1	-0.16	-0.08	-0.05	-0.10		ppb
Strontium	88-1	0.01	0.01	0.01	0.01	33.31	ppb
Sulfur	34-1	-6586.34	-6268.78	-6092.72	-6315.95		ppb
Terbium	159-1				122		%
Terbium	159-2				111		%
Thallium	203-1	0.04	0.02	0.03	0.03	45.56	ppb
Thallium	205-1	0.02	0.02	0.03	0.02	21.08	ppb
Tin	118-1	-0.04	0.00	0.01	-0.01		ppb
Titanium	47-1	-0.04	-0.02	-0.05	-0.04		ppb
Uranium	238-1	0.00	0.03	0.00	0.01	149.59	ppb
Vanadium	51-2	0.00	-0.03	0.00	-0.01		ppb
Yttrium	89-1				109		%
Yttrium	89-2				98		%
Zinc	66-2	0.26	0.09	0.38	0.24	59.98	ppb

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	CCB55	Instrumnet Name :	P8
Client Sample ID :	CCB55	Dilution Factor :	1
Date & Time Acquired ::	2019-01-21 17:37:16	DataFile Name :	072CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	90-1	0.02	0.01	0.01	0.01	68.15	ppb
Zirconium	91-1	-0.01	-0.02	0.00	-0.01		ppb

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	K1104-08ADLX5	Instrumnet Name :	P8
Client Sample ID :	EPA-MW-37-BR-0109201	Dilution Factor :	5
Date & Time Acquired ::	2019-01-21 17:40:50	DataFile Name :	073SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	1914.81	1961.74	1827.07	1901.21	3.60	ppb
Antimony	121-1	93.16	94.84	95.60	94.53	1.32	ppb
Arsenic	75-2	96.84	101.44	98.81	99.03	2.33	ppb
Barium	135-1	513.49	512.63	518.95	515.02	0.67	ppb
Barium	137-1	514.78	521.73	526.67	521.06	1.15	ppb
Beryllium	9-1	110.13	109.54	110.05	109.91	0.29	ppb
Bismuth	209-1				119		%
Bismuth	209-2				103		%
Boron	10-1	111.72	122.54	122.07	118.78	5.15	ppb
Boron	11-1	111.33	115.31	115.90	114.18	2.18	ppb
Cadmium	111-1	92.49	94.37	95.56	94.14	1.65	ppb
Cadmium	106-1	92.00	92.67	92.87	92.51	0.50	ppb
Cadmium	108-1	91.12	96.24	96.54	94.64	3.22	ppb
Calcium	43-1	29286.43	28599.98	29004.84	28963.75	1.19	ppb
Calcium	44-1	29465.51	29133.66	29347.51	29315.56	0.57	ppb
Chromium	52-2	518.55	510.77	510.26	513.19	0.90	ppb
Cobalt	59-2	109.22	109.84	109.52	109.53	0.29	ppb
Copper	63-2	231.73	232.65	228.82	231.06	0.87	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				119		%
Holmium	165-2				104		%
Indium	115-1				109		%
Indium	115-2				92		%
Iron	56-2	5581.90	5591.73	5527.72	5567.11	0.62	ppb
Iron	57-2	5450.13	5319.63	5284.83	5351.53	1.63	ppb
Krypton	83-1						cps
Lead	206-1	99.85	98.07	99.89	99.27	1.04	ppb
Lead	207-1	93.97	93.75	95.46	94.39	0.99	ppb
Lead	208-1	95.83	95.22	96.23	95.76	0.53	ppb
Lithium	6-1				71		%
Magnesium	24-2	14243.51	13966.48	13918.07	14042.69	1.25	ppb

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	K1104-08ADLX5	Instrumnet Name :	P8
Client Sample ID :	EPA-MW-37-BR-0109201	Dilution Factor :	5
Date & Time Acquired ::	2019-01-21 17:40:50	DataFile Name :	073SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	212.09	209.99	204.67	208.91	1.83	ppb
Molybdenum	94-1	520.63	517.08	512.86	516.86	0.75	ppb
Molybdenum	95-1	506.28	504.12	502.05	504.15	0.42	ppb
Molybdenum	96-1	513.31	510.46	500.33	508.03	1.34	ppb
Molybdenum	97-1	516.62	522.01	513.31	517.31	0.85	ppb
Molybdenum	98-1	535.08	544.72	535.50	538.43	1.01	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	112.58	113.80	112.00	112.80	0.81	ppb
Phosphorus	31-2	-19.87	-34.70	-34.70	-29.75		ppb
Potassium	39-2	5025.08	5064.88	5072.66	5054.21	0.51	ppb
Rhodium	103-1				103		%
Rhodium	103-2				97		%
Scandium	45-1				93		%
Scandium	45-2				84		%
Selenium	77-2	117.99	44.49	115.03	92.50	44.98	ppb
Selenium	78-2	92.56	109.52	96.95	99.68	8.83	ppb
Selenium	82-1	102.51	103.90	100.33	102.25	1.76	ppb
Silicon	28-1	1160.52	1133.53	1146.18	1146.74	1.18	ppb
Silver	109-1	91.65	90.53	91.65	91.28	0.71	ppb
Silver	107-1	90.81	93.01	91.83	91.89	1.20	ppb
Sodium	23-2	25737.56	25446.93	25274.89	25486.46	0.92	ppb
Strontium	86-1	131.39	130.42	128.37	130.06	1.18	ppb
Strontium	88-1	135.40	135.94	133.02	134.78	1.15	ppb
Sulfur	34-1	-4807.32	-5592.01	-5238.85	-5212.73		ppb
Terbium	159-1				116		%
Terbium	159-2				101		%
Thallium	203-1	98.25	97.78	100.52	98.85	1.48	ppb
Thallium	205-1	98.08	97.35	100.71	98.72	1.79	ppb
Tin	118-1	90.39	94.23	94.62	93.08	2.51	ppb
Titanium	47-1	500.51	494.12	496.75	497.13	0.65	ppb
Uranium	238-1	98.63	99.33	101.04	99.66	1.24	ppb
Vanadium	51-2	105.67	105.79	103.89	105.12	1.01	ppb
Yttrium	89-1				102		%
Yttrium	89-2				90		%
Zinc	66-2	222.25	215.24	221.29	219.59	1.73	ppb

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	K1104-08ADLX5	Instrumnet Name :	P8
Client Sample ID :	EPA-MW-37-BR-0109201	Dilution Factor :	5
Date & Time Acquired ::	2019-01-21 17:40:50	DataFile Name :	073SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	90-1	102.62	103.09	102.20	102.64	0.43	ppb
Zirconium	91-1	102.56	101.41	101.95	101.97	0.57	ppb

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	K1079-08DL2X100	Instrumnet Name :	P8
Client Sample ID :	EPA-MW-29-OB-010720	Dilution Factor :	100
Date & Time Acquired ::	2019-01-21 17:44:21	DataFile Name :	074SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	9.68	12.76	6.64	9.69	31.59	ppb
Antimony	121-1	0.13	0.14	0.15	0.14	7.41	ppb
Arsenic	75-2	-0.07	-0.05	0.02	-0.03		ppb
Barium	135-1	0.03	0.04	0.01	0.03	44.32	ppb
Barium	137-1	0.08	0.08	0.05	0.07	28.12	ppb
Beryllium	9-1	0.07	0.07	0.03	0.05	42.40	ppb
Bismuth	209-1				123		%
Bismuth	209-2				110		%
Boron	10-1	7.97	9.58	9.95	9.17	11.47	ppb
Boron	11-1	9.14	8.74	8.58	8.82	3.26	ppb
Cadmium	111-1	-0.14	-0.09	-0.12	-0.12		ppb
Cadmium	106-1	-2.48	-1.65	-2.28	-2.14		ppb
Cadmium	108-1	0.00	0.25	0.26	0.17	86.64	ppb
Calcium	43-1	520.54	509.40	484.62	504.85	3.64	ppb
Calcium	44-1	481.11	479.86	476.86	479.28	0.46	ppb
Chromium	52-2	549.22	562.71	547.96	553.30	1.48	ppb
Cobalt	59-2	0.09	0.10	0.08	0.09	13.33	ppb
Copper	63-2	14.91	14.87	14.46	14.75	1.67	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				117		%
Holmium	165-2				106		%
Indium	115-1				109		%
Indium	115-2				94		%
Iron	56-2	10.84	10.98	11.56	11.13	3.41	ppb
Iron	57-2	11.17	4.95	13.30	9.81	44.28	ppb
Krypton	83-1						cps
Lead	206-1	0.16	0.22	0.22	0.20	18.50	ppb
Lead	207-1	0.16	0.14	0.18	0.16	13.30	ppb
Lead	208-1	0.16	0.17	0.19	0.17	7.14	ppb
Lithium	6-1				74		%
Magnesium	24-2	103.29	98.28	91.44	97.67	6.09	ppb

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	K1079-08DL2X100	Instrumnet Name :	P8
Client Sample ID :	EPA-MW-29-OB-010720	Dilution Factor :	100
Date & Time Acquired ::	2019-01-21 17:44:21	DataFile Name :	074SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	10.42	8.77	9.31	9.50	8.88	ppb
Molybdenum	94-1	0.04	0.02	0.03	0.03	22.53	ppb
Molybdenum	95-1	0.07	0.06	0.03	0.05	44.50	ppb
Molybdenum	96-1	0.05	0.04	0.06	0.05	17.43	ppb
Molybdenum	97-1	0.05	0.06	0.06	0.06	8.34	ppb
Molybdenum	98-1	0.06	0.04	0.02	0.04	45.86	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	1.11	1.16	1.15	1.14	2.29	ppb
Phosphorus	31-2	-19.66	-34.70	-34.70	-29.68		ppb
Potassium	39-2	31.66	3.43	25.58	20.22	73.47	ppb
Rhodium	103-1				103		%
Rhodium	103-2				97		%
Scandium	45-1				92		%
Scandium	45-2				83		%
Selenium	77-2	2.85	-1.24	-1.24	0.12	1929.52	ppb
Selenium	78-2	-0.62	-0.62	1.45	0.07	1748.53	ppb
Selenium	82-1	-0.37	0.08	-1.29	-0.53		ppb
Silicon	28-1	329.28	322.56	324.14	325.33	1.08	ppb
Silver	109-1	0.03	0.05	0.04	0.04	24.11	ppb
Silver	107-1	0.04	0.03	0.04	0.04	12.29	ppb
Sodium	23-2	2093.52	2085.63	2043.16	2074.10	1.31	ppb
Strontium	86-1	0.43	0.47	0.40	0.43	7.47	ppb
Strontium	88-1	0.49	0.45	0.50	0.48	6.06	ppb
Sulfur	34-1	-6173.65	-6134.34	-5916.94	-6074.98		ppb
Terbium	159-1				115		%
Terbium	159-2				103		%
Thallium	203-1	0.01	0.00	0.01	0.01	94.25	ppb
Thallium	205-1	0.01	0.00	0.00	0.00	48.97	ppb
Tin	118-1	-0.03	0.00	-0.02	-0.02		ppb
Titanium	47-1	-0.02	0.02	0.13	0.04	170.71	ppb
Uranium	238-1	0.00	0.00	0.00	0.00	75.15	ppb
Vanadium	51-2	-0.02	-0.01	-0.02	-0.02		ppb
Yttrium	89-1				101		%
Yttrium	89-2				90		%
Zinc	66-2	1.75	1.23	1.55	1.51	17.19	ppb

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	K1079-08DL2X100	Instrumnet Name :	P8
Client Sample ID :	EPA-MW-29-OB-010720	Dilution Factor :	100
Date & Time Acquired ::	2019-01-21 17:44:21	DataFile Name :	074SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	90-1	0.00	0.00	0.01	0.00	195.49	ppb
Zirconium	91-1	-0.02	-0.03	0.02	-0.01		ppb

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	CCV56	Instrumnet Name :	P8
Client Sample ID :	CCV56	Dilution Factor :	1
Date & Time Acquired ::	2019-01-21 17:47:55	DataFile Name :	075CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	49315.91	49534.74	48835.59	49228.75	0.73	ppb
Antimony	121-1	494.14	513.71	496.87	501.58	2.11	ppb
Arsenic	75-2	496.28	495.58	484.33	492.06	1.36	ppb
Barium	135-1	2522.77	2567.15	2464.96	2518.29	2.03	ppb
Barium	137-1	2528.51	2593.25	2501.81	2541.19	1.85	ppb
Beryllium	9-1	547.52	548.03	543.40	546.32	0.47	ppb
Bismuth	209-1				117		%
Bismuth	209-2				106		%
Boron	10-1	520.07	543.15	534.22	532.48	2.19	ppb
Boron	11-1	506.79	529.57	531.52	522.63	2.63	ppb
Cadmium	111-1	477.43	480.63	467.48	475.18	1.44	ppb
Cadmium	106-1	477.43	477.94	470.21	475.20	0.91	ppb
Cadmium	108-1	472.40	467.21	470.10	469.90	0.55	ppb
Calcium	43-1	253592.36	251271.08	249389.72	251417.72	0.84	ppb
Calcium	44-1	252497.46	248966.89	250609.71	250691.35	0.70	ppb
Chromium	52-2	524.33	530.26	524.65	526.41	0.63	ppb
Cobalt	59-2	527.03	528.69	520.77	525.49	0.79	ppb
Copper	63-2	1027.84	1043.20	1030.73	1033.92	0.79	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				117		%
Holmium	165-2				108		%
Indium	115-1				106		%
Indium	115-2				93		%
Iron	56-2	127820.30	128834.91	127624.32	128093.18	0.51	ppb
Iron	57-2	130434.40	130889.30	128696.72	130006.80	0.89	ppb
Krypton	83-1						cps
Lead	206-1	498.37	494.76	491.75	494.96	0.67	ppb
Lead	207-1	492.79	483.33	487.33	487.81	0.97	ppb
Lead	208-1	509.40	503.48	505.63	506.17	0.59	ppb
Lithium	6-1				77		%
Magnesium	24-2	248420.55	249523.58	249106.27	249016.80	0.22	ppb

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	CCV56	Instrumnet Name :	P8
Client Sample ID :	CCV56	Dilution Factor :	1
Date & Time Acquired ::	2019-01-21 17:47:55	DataFile Name :	075CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	994.88	1006.58	997.53	999.66	0.61	ppb
Molybdenum	94-1	2638.30	2681.13	2622.28	2647.24	1.15	ppb
Molybdenum	95-1	2629.42	2618.65	2646.66	2631.58	0.54	ppb
Molybdenum	96-1	2627.85	2640.61	2618.29	2628.92	0.43	ppb
Molybdenum	97-1	2683.37	2697.66	2667.25	2682.76	0.57	ppb
Molybdenum	98-1	2670.42	2635.84	2649.43	2651.90	0.66	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	532.20	529.73	529.46	530.46	0.28	ppb
Phosphorus	31-2	9364.63	10583.73	9206.78	9718.38	7.75	ppb
Potassium	39-2	120111.72	120030.70	120006.24	120049.55	0.05	ppb
Rhodium	103-1				98		%
Rhodium	103-2				94		%
Scandium	45-1				93		%
Scandium	45-2				88		%
Selenium	77-2	459.18	410.19	516.22	461.86	11.49	ppb
Selenium	78-2	469.76	520.61	477.64	489.34	5.59	ppb
Selenium	82-1	508.48	498.33	498.71	501.84	1.15	ppb
Silicon	28-1	428.87	430.19	432.56	430.54	0.43	ppb
Silver	109-1	480.33	480.35	479.94	480.20	0.05	ppb
Silver	107-1	471.05	480.99	467.07	473.03	1.52	ppb
Sodium	23-2	243360.86	245543.40	245235.71	244713.33	0.48	ppb
Strontium	86-1	508.31	510.00	514.66	510.99	0.64	ppb
Strontium	88-1	525.54	526.79	528.20	526.84	0.25	ppb
Sulfur	34-1	7026.43	6627.97	7096.12	6916.84	3.65	ppb
Terbium	159-1				114		%
Terbium	159-2				105		%
Thallium	203-1	492.49	497.38	492.77	494.21	0.56	ppb
Thallium	205-1	522.54	521.89	515.84	520.09	0.71	ppb
Tin	118-1	491.54	505.27	489.49	495.43	1.73	ppb
Titanium	47-1	2607.06	2598.24	2564.73	2590.01	0.86	ppb
Uranium	238-1	536.65	532.38	530.81	533.28	0.57	ppb
Vanadium	51-2	523.70	526.80	523.09	524.53	0.38	ppb
Yttrium	89-1				102		%
Yttrium	89-2				93		%
Zinc	66-2	1042.42	1044.30	1033.57	1040.10	0.55	ppb

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	CCV56	Instrumnet Name :	P8
Client Sample ID :	CCV56	Dilution Factor :	1
Date & Time Acquired ::	2019-01-21 17:47:55	DataFile Name :	075CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	90-1	534.28	528.64	524.91	529.28	0.89	ppb
Zirconium	91-1	512.32	504.45	500.19	505.66	1.22	ppb

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	CCB56	Instrumnet Name :	P8
Client Sample ID :	CCB56	Dilution Factor :	1
Date & Time Acquired ::	2019-01-21 17:55:14	DataFile Name :	076CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	1.55	3.00	0.99	1.84	56.32	ppb
Antimony	121-1	0.08	0.11	0.13	0.10	21.84	ppb
Arsenic	75-2	-0.03	-0.03	0.00	-0.02		ppb
Barium	135-1	0.01	-0.03	0.01	0.00		ppb
Barium	137-1	0.02	0.01	0.01	0.01	44.10	ppb
Beryllium	9-1	0.03	0.04	0.06	0.04	38.36	ppb
Bismuth	209-1				119		%
Bismuth	209-2				111		%
Boron	10-1	3.83	3.40	3.90	3.71	7.22	ppb
Boron	11-1	4.52	4.31	4.11	4.31	4.80	ppb
Cadmium	111-1	-0.16	-0.22	-0.18	-0.19		ppb
Cadmium	106-1	-2.18	-2.96	-2.39	-2.51		ppb
Cadmium	108-1	0.05	0.20	0.06	0.10	83.84	ppb
Calcium	43-1	-4.15	-6.87	-6.01	-5.68		ppb
Calcium	44-1	-31.29	-39.83	-27.96	-33.03		ppb
Chromium	52-2	0.12	0.06	0.16	0.11	45.29	ppb
Cobalt	59-2	-0.03	-0.01	0.00	-0.01		ppb
Copper	63-2	0.11	0.06	0.10	0.09	27.72	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				114		%
Holmium	165-2				107		%
Indium	115-1				106		%
Indium	115-2				96		%
Iron	56-2	1.00	1.20	1.60	1.26	23.96	ppb
Iron	57-2	1.80	1.83	2.87	2.17	28.14	ppb
Krypton	83-1						cps
Lead	206-1	0.21	0.14	0.25	0.20	26.17	ppb
Lead	207-1	0.13	0.20	0.17	0.17	19.14	ppb
Lead	208-1	0.18	0.17	0.22	0.19	13.58	ppb
Lithium	6-1				81		%
Magnesium	24-2	2.23	3.08	3.62	2.98	23.45	ppb

LB Number : LB100421 Operator : Jaswal
 Lab Sample ID : CCB56 Instrumnet Name : P8
 Client Sample ID : CCB56 Dilution Factor : 1
 Date & Time Acquired :: 2019-01-21 17:55:14 DataFile Name : 076CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	0.16	-0.04	0.05	0.06	178.75	ppb
Molybdenum	94-1	0.08	0.06	0.06	0.07	24.79	ppb
Molybdenum	95-1	0.10	0.06	0.10	0.08	26.75	ppb
Molybdenum	96-1	0.11	0.09	0.12	0.11	16.63	ppb
Molybdenum	97-1	0.07	0.10	0.07	0.08	19.86	ppb
Molybdenum	98-1	0.10	0.06	0.08	0.08	25.51	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.00	0.06	0.02	0.03	102.40	ppb
Phosphorus	31-2	-5.87	-20.25	-34.70	-20.27		ppb
Potassium	39-2	-0.04	18.38	26.57	14.97	91.05	ppb
Rhodium	103-1				102		%
Rhodium	103-2				98		%
Scandium	45-1				92		%
Scandium	45-2				86		%
Selenium	77-2	-1.24	-1.24	2.83	0.12	2021.76	ppb
Selenium	78-2	0.71	-0.62	2.10	0.73	186.32	ppb
Selenium	82-1	1.36	0.70	-0.73	0.44	239.32	ppb
Silicon	28-1	-23.38	-27.05	-20.44	-23.62		ppb
Silver	109-1	0.03	0.03	0.05	0.04	29.25	ppb
Silver	107-1	0.02	0.04	0.05	0.04	35.15	ppb
Sodium	23-2	6.34	5.00	16.31	9.22	67.05	ppb
Strontium	86-1	0.04	-0.11	-0.10	-0.06		ppb
Strontium	88-1	0.01	0.00	0.00	0.01	72.96	ppb
Sulfur	34-1	-4846.01	-5652.52	-3813.41	-4770.65		ppb
Terbium	159-1				111		%
Terbium	159-2				104		%
Thallium	203-1	0.01	0.03	0.01	0.02	65.81	ppb
Thallium	205-1	0.01	0.02	0.03	0.02	45.44	ppb
Tin	118-1	-0.02	-0.02	-0.03	-0.02		ppb
Titanium	47-1	-0.04	0.04	0.08	0.03	232.45	ppb
Uranium	238-1	0.00	0.00	0.00	0.00	428.96	ppb
Vanadium	51-2	0.00	0.00	-0.02	-0.01		ppb
Yttrium	89-1				101		%
Yttrium	89-2				93		%
Zinc	66-2	0.19	-0.01	0.00	0.06	175.28	ppb

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	CCB56	Instrumnet Name :	P8
Client Sample ID :	CCB56	Dilution Factor :	1
Date & Time Acquired ::	2019-01-21 17:55:14	DataFile Name :	076CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	90-1	0.00	0.00	0.01	0.00	632.48	ppb
Zirconium	91-1	-0.01	-0.01	0.02	0.00		ppb

LB Number : LB100421 Operator : Jaswal
 Lab Sample ID : K1104-08DLREX5 Instrumnet Name : P8
 Client Sample ID : EPA-MW-37-BR-0109201 Dilution Factor : 5
 Date & Time Acquired :: 2019-01-21 18:12:10 DataFile Name : 080SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	2.36	-0.94	1.78	1.06	165.65	ppb
Antimony	121-1	0.13	0.14	0.18	0.15	15.99	ppb
Arsenic	75-2	0.14	0.06	0.20	0.13	53.55	ppb
Barium	135-1	38.56	39.02	40.03	39.20	1.92	ppb
Barium	137-1	38.84	39.13	39.23	39.07	0.52	ppb
Beryllium	9-1	0.08	0.11	0.09	0.09	13.26	ppb
Bismuth	209-1				126		%
Bismuth	209-2				116		%
Boron	10-1	17.09	15.97	15.21	16.09	5.88	ppb
Boron	11-1	14.90	16.05	15.10	15.35	4.00	ppb
Cadmium	111-1	-0.18	-0.09	-0.26	-0.18		ppb
Cadmium	106-1	-2.61	-1.09	-3.58	-2.43		ppb
Cadmium	108-1	0.20	0.24	0.15	0.20	24.65	ppb
Calcium	43-1	19132.41	19357.86	19092.31	19194.19	0.75	ppb
Calcium	44-1	19548.77	19535.33	19634.49	19572.86	0.27	ppb
Chromium	52-2	404.63	402.12	409.80	405.52	0.97	ppb
Cobalt	59-2	0.05	0.01	0.00	0.02	121.18	ppb
Copper	63-2	0.83	0.84	0.75	0.81	6.15	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				122		%
Holmium	165-2				114		%
Indium	115-1				114		%
Indium	115-2				103		%
Iron	56-2	2.17	2.42	2.27	2.28	5.50	ppb
Iron	57-2	0.41	-0.38	0.08	0.04	1119.42	ppb
Krypton	83-1						cps
Lead	206-1	0.40	0.40	0.31	0.37	13.37	ppb
Lead	207-1	0.28	0.22	0.26	0.26	11.41	ppb
Lead	208-1	0.37	0.31	0.32	0.33	9.22	ppb
Lithium	6-1				89		%
Magnesium	24-2	4177.42	4125.42	4187.38	4163.41	0.80	ppb

LB Number : LB100421 Operator : Jaswal
 Lab Sample ID : K1104-08DLREX5 Instrumnet Name : P8
 Client Sample ID : EPA-MW-37-BR-0109201 Dilution Factor : 5
 Date & Time Acquired :: 2019-01-21 18:12:10 DataFile Name : 080SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	0.18	0.14	0.15	0.16	13.80	ppb
Molybdenum	94-1	0.18	0.14	0.18	0.17	12.39	ppb
Molybdenum	95-1	0.25	0.23	0.19	0.22	11.85	ppb
Molybdenum	96-1	0.31	0.27	0.25	0.28	9.95	ppb
Molybdenum	97-1	0.22	0.29	0.23	0.25	16.70	ppb
Molybdenum	98-1	0.26	0.22	0.23	0.24	6.88	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.65	0.66	0.72	0.68	5.65	ppb
Phosphorus	31-2	-34.70	-21.25	-21.15	-25.70		ppb
Potassium	39-2	322.96	332.19	355.91	337.02	5.04	ppb
Rhodium	103-1				109		%
Rhodium	103-2				104		%
Scandium	45-1				101		%
Scandium	45-2				92		%
Selenium	77-2	-1.24	6.28	-1.24	1.27	343.09	ppb
Selenium	78-2	1.25	0.63	0.62	0.83	43.10	ppb
Selenium	82-1	1.05	1.21	0.57	0.94	35.45	ppb
Silicon	28-1	1136.90	1153.43	1129.40	1139.91	1.08	ppb
Silver	109-1	0.06	0.09	0.10	0.08	21.59	ppb
Silver	107-1	0.07	0.08	0.09	0.08	9.81	ppb
Sodium	23-2	14486.20	14860.34	14845.90	14730.81	1.44	ppb
Strontium	86-1	29.51	29.63	29.52	29.55	0.23	ppb
Strontium	88-1	29.71	29.12	29.13	29.32	1.15	ppb
Sulfur	34-1	-4893.35	-4700.35	-4840.68	-4811.46		ppb
Terbium	159-1				120		%
Terbium	159-2				111		%
Thallium	203-1	0.02	0.00	0.02	0.02	71.10	ppb
Thallium	205-1	0.02	0.03	0.04	0.03	29.01	ppb
Tin	118-1	0.02	0.04	0.06	0.04	55.17	ppb
Titanium	47-1	-0.03	0.09	0.03	0.03	199.45	ppb
Uranium	238-1	0.05	0.06	0.07	0.06	16.81	ppb
Vanadium	51-2	0.13	0.27	0.18	0.19	36.55	ppb
Yttrium	89-1				108		%
Yttrium	89-2				99		%
Zinc	66-2	3.25	3.26	2.84	3.12	7.67	ppb

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	K1104-08DLREX5	Instrumnet Name :	P8
Client Sample ID :	EPA-MW-37-BR-0109201	Dilution Factor :	5
Date & Time Acquired ::	2019-01-21 18:12:10	DataFile Name :	080SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	90-1	0.01	0.01	0.01	0.01	26.96	ppb
Zirconium	91-1	-0.01	0.00	0.00	0.00	1894.58	ppb

LB Number : LB100421 Operator : Jaswal
 Lab Sample ID : K1104-08DUPDLREX5 Instrumnet Name : P8
 Client Sample ID : EPA-MW-37-BR-0109201 Dilution Factor : 5
 Date & Time Acquired :: 2019-01-21 18:15:43 DataFile Name : 081SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	-0.73	0.63	1.58	0.50	233.89	ppb
Antimony	121-1	0.08	0.09	0.07	0.08	13.22	ppb
Arsenic	75-2	0.17	0.03	0.04	0.08	98.25	ppb
Barium	135-1	38.25	38.59	39.51	38.79	1.69	ppb
Barium	137-1	39.45	38.94	39.96	39.45	1.30	ppb
Beryllium	9-1	0.07	0.05	0.04	0.05	24.62	ppb
Bismuth	209-1				125		%
Bismuth	209-2				115		%
Boron	10-1	13.11	13.80	13.54	13.48	2.58	ppb
Boron	11-1	13.36	13.66	14.07	13.70	2.59	ppb
Cadmium	111-1	-0.29	-0.15	-0.20	-0.21		ppb
Cadmium	106-1	-4.04	-2.13	-2.80	-2.99		ppb
Cadmium	108-1	0.10	0.25	0.05	0.13	78.20	ppb
Calcium	43-1	18853.46	19312.88	19212.86	19126.40	1.26	ppb
Calcium	44-1	19205.86	19620.12	19573.17	19466.38	1.17	ppb
Chromium	52-2	401.19	404.05	403.12	402.79	0.36	ppb
Cobalt	59-2	0.03	0.01	-0.01	0.01	203.40	ppb
Copper	63-2	0.69	0.69	0.69	0.69	0.12	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				121		%
Holmium	165-2				113		%
Indium	115-1				115		%
Indium	115-2				103		%
Iron	56-2	1.49	2.20	2.01	1.90	19.24	ppb
Iron	57-2	1.84	1.92	3.06	2.27	29.95	ppb
Krypton	83-1						cps
Lead	206-1	0.27	0.19	0.22	0.23	18.15	ppb
Lead	207-1	0.23	0.27	0.25	0.25	7.95	ppb
Lead	208-1	0.23	0.22	0.23	0.23	1.21	ppb
Lithium	6-1				88		%
Magnesium	24-2	4115.91	4135.99	4135.32	4129.07	0.28	ppb

LB Number : LB100421 Operator : Jaswal
 Lab Sample ID : K1104-08DUPDLREX5 Instrumnet Name : P8
 Client Sample ID : EPA-MW-37-BR-0109201 Dilution Factor : 5
 Date & Time Acquired :: 2019-01-21 18:15:43 DataFile Name : 081SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	0.13	0.18	0.27	0.19	35.11	ppb
Molybdenum	94-1	0.13	0.14	0.13	0.14	5.54	ppb
Molybdenum	95-1	0.18	0.21	0.17	0.19	13.74	ppb
Molybdenum	96-1	0.19	0.19	0.16	0.18	10.24	ppb
Molybdenum	97-1	0.21	0.12	0.13	0.16	32.74	ppb
Molybdenum	98-1	0.14	0.14	0.17	0.15	10.65	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.66	0.62	0.54	0.61	9.93	ppb
Phosphorus	31-2	-8.38	-34.70	18.13	-8.31		ppb
Potassium	39-2	309.40	315.28	330.49	318.39	3.42	ppb
Rhodium	103-1				109		%
Rhodium	103-2				104		%
Scandium	45-1				101		%
Scandium	45-2				94		%
Selenium	77-2	-1.24	-1.24	-1.24	-1.24		ppb
Selenium	78-2	1.24	0.63	0.00	0.62	99.99	ppb
Selenium	82-1	1.57	2.67	1.15	1.80	43.55	ppb
Silicon	28-1	1106.99	1157.84	1156.70	1140.51	2.55	ppb
Silver	109-1	0.06	0.06	0.04	0.05	19.09	ppb
Silver	107-1	0.04	0.04	0.05	0.04	3.70	ppb
Sodium	23-2	14883.95	14917.87	14591.39	14797.74	1.21	ppb
Strontium	86-1	29.43	29.19	28.87	29.16	0.97	ppb
Strontium	88-1	29.58	29.06	28.84	29.16	1.31	ppb
Sulfur	34-1	-4585.85	-3689.12	-4287.49	-4187.49		ppb
Terbium	159-1				120		%
Terbium	159-2				111		%
Thallium	203-1	0.01	0.01	0.00	0.00	75.39	ppb
Thallium	205-1	0.00	0.01	0.02	0.01	58.24	ppb
Tin	118-1	0.01	0.01	0.04	0.02	96.04	ppb
Titanium	47-1	0.05	0.04	-0.01	0.03	102.25	ppb
Uranium	238-1	0.06	0.05	0.05	0.05	9.13	ppb
Vanadium	51-2	0.20	0.18	0.18	0.19	6.25	ppb
Yttrium	89-1				108		%
Yttrium	89-2				100		%
Zinc	66-2	3.52	3.01	3.38	3.30	8.10	ppb

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	K1104-08DUPDLREX5	Instrumnet Name :	P8
Client Sample ID :	EPA-MW-37-BR-0109201	Dilution Factor :	5
Date & Time Acquired ::	2019-01-21 18:15:43	DataFile Name :	081SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	90-1	0.02	0.01	0.01	0.01	89.90	ppb
Zirconium	91-1	0.01	-0.01	0.00	0.00		ppb

LB Number : LB100421 Operator : Jaswal
 Lab Sample ID : K1104-08LDLREX25 Instrumnet Name : P8
 Client Sample ID : EPA-MW-37-BR-0109201 Dilution Factor : 25
 Date & Time Acquired :: 2019-01-21 18:23:39 DataFile Name : 083SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	1.40	-1.22	-0.34	-0.06		ppb
Antimony	121-1	0.05	0.03	0.03	0.03	33.74	ppb
Arsenic	75-2	-0.07	-0.02	-0.01	-0.03		ppb
Barium	135-1	8.35	7.87	7.78	8.00	3.82	ppb
Barium	137-1	7.94	7.67	8.18	7.93	3.22	ppb
Beryllium	9-1	0.04	0.05	0.03	0.04	27.22	ppb
Bismuth	209-1				122		%
Bismuth	209-2				115		%
Boron	10-1	5.33	4.96	4.66	4.98	6.79	ppb
Boron	11-1	4.99	4.78	4.81	4.86	2.33	ppb
Cadmium	111-1	-0.19	-0.15	-0.21	-0.18		ppb
Cadmium	106-1	-2.41	-1.96	-2.97	-2.45		ppb
Cadmium	108-1	0.25	0.15	0.00	0.13	95.50	ppb
Calcium	43-1	3853.12	3812.73	3923.19	3863.01	1.45	ppb
Calcium	44-1	3893.44	3834.07	3898.05	3875.19	0.92	ppb
Chromium	52-2	77.70	82.29	79.59	79.86	2.89	ppb
Cobalt	59-2	-0.02	-0.02	-0.01	-0.02		ppb
Copper	63-2	0.16	0.19	0.17	0.17	10.11	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				120		%
Holmium	165-2				112		%
Indium	115-1				113		%
Indium	115-2				103		%
Iron	56-2	0.93	1.28	1.48	1.23	22.34	ppb
Iron	57-2	-1.80	2.54	3.92	1.55	192.38	ppb
Krypton	83-1						cps
Lead	206-1	0.14	0.13	0.14	0.14	3.39	ppb
Lead	207-1	0.13	0.14	0.11	0.13	11.60	ppb
Lead	208-1	0.12	0.12	0.13	0.12	0.64	ppb
Lithium	6-1				87		%
Magnesium	24-2	794.94	840.59	805.17	813.57	2.94	ppb

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	K1104-08LDLREX25	Instrumnet Name :	P8
Client Sample ID :	EPA-MW-37-BR-0109201	Dilution Factor :	25
Date & Time Acquired ::	2019-01-21 18:23:39	DataFile Name :	083SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	0.05	0.05	0.01	0.04	71.93	ppb
Molybdenum	94-1	0.03	0.07	0.02	0.04	69.23	ppb
Molybdenum	95-1	0.01	0.04	0.07	0.04	72.52	ppb
Molybdenum	96-1	0.05	0.04	0.04	0.05	13.99	ppb
Molybdenum	97-1	0.01	0.02	0.03	0.02	56.75	ppb
Molybdenum	98-1	0.05	0.04	0.04	0.04	9.88	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.25	0.13	0.11	0.16	46.81	ppb
Phosphorus	31-2	-8.91	-21.10	-21.41	-17.14		ppb
Potassium	39-2	43.18	25.72	61.12	43.34	40.84	ppb
Rhodium	103-1				108		%
Rhodium	103-2				105		%
Scandium	45-1				101		%
Scandium	45-2				94		%
Selenium	77-2	-1.24	2.49	-1.24	0.00	67279.37	ppb
Selenium	78-2	-0.01	1.25	0.62	0.62	101.09	ppb
Selenium	82-1	0.14	1.63	1.06	0.94	79.66	ppb
Silicon	28-1	222.54	218.15	222.39	221.03	1.13	ppb
Silver	109-1	0.02	0.03	0.02	0.02	26.71	ppb
Silver	107-1	0.02	0.03	0.03	0.03	16.40	ppb
Sodium	23-2	2713.98	2850.89	2776.08	2780.32	2.47	ppb
Strontium	86-1	5.59	5.75	5.75	5.69	1.66	ppb
Strontium	88-1	5.76	5.66	5.83	5.75	1.50	ppb
Sulfur	34-1	-4661.55	-5021.45	-4472.90	-4718.63		ppb
Terbium	159-1				117		%
Terbium	159-2				110		%
Thallium	203-1	0.01	0.00	0.02	0.01	58.59	ppb
Thallium	205-1	0.02	0.02	0.00	0.01	56.07	ppb
Tin	118-1	0.22	0.03	0.04	0.09	113.23	ppb
Titanium	47-1	0.21	0.14	0.16	0.17	18.56	ppb
Uranium	238-1	0.01	0.01	0.02	0.01	41.75	ppb
Vanadium	51-2	-0.01	0.01	0.01	0.00	444.95	ppb
Yttrium	89-1				108		%
Yttrium	89-2				100		%
Zinc	66-2	1.58	1.65	1.25	1.49	14.24	ppb

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	K1104-08LDLREX25	Instrumnet Name :	P8
Client Sample ID :	EPA-MW-37-BR-0109201	Dilution Factor :	25
Date & Time Acquired ::	2019-01-21 18:23:39	DataFile Name :	083SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	90-1	0.00	-0.01	0.02	0.01	292.71	ppb
Zirconium	91-1	0.00	0.00	-0.01	0.00		ppb

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	CCV57	Instrumnet Name :	P8
Client Sample ID :	CCV57	Dilution Factor :	1
Date & Time Acquired ::	2019-01-21 18:27:13	DataFile Name :	084CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	50387.36	50108.03	50552.17	50349.19	0.45	ppb
Antimony	121-1	517.14	510.92	512.17	513.41	0.64	ppb
Arsenic	75-2	497.64	493.68	486.13	492.48	1.19	ppb
Barium	135-1	2575.63	2545.39	2583.50	2568.17	0.78	ppb
Barium	137-1	2590.49	2573.99	2585.84	2583.44	0.33	ppb
Beryllium	9-1	546.78	552.19	542.33	547.10	0.90	ppb
Bismuth	209-1				114		%
Bismuth	209-2				106		%
Boron	10-1	538.98	535.82	534.52	536.44	0.43	ppb
Boron	11-1	521.57	532.67	529.77	528.00	1.09	ppb
Cadmium	111-1	485.47	486.39	490.37	487.41	0.53	ppb
Cadmium	106-1	489.68	497.30	485.57	490.85	1.21	ppb
Cadmium	108-1	479.03	479.55	483.73	480.77	0.54	ppb
Calcium	43-1	253308.01	254514.89	250577.25	252800.05	0.80	ppb
Calcium	44-1	250928.57	251695.54	251745.02	251456.38	0.18	ppb
Chromium	52-2	524.97	520.19	519.81	521.66	0.55	ppb
Cobalt	59-2	519.72	508.09	513.68	513.83	1.13	ppb
Copper	63-2	1013.18	1004.97	1007.69	1008.61	0.41	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				115		%
Holmium	165-2				110		%
Indium	115-1				107		%
Indium	115-2				99		%
Iron	56-2	127827.56	126922.48	127663.15	127471.06	0.38	ppb
Iron	57-2	130661.71	128635.02	129945.58	129747.44	0.79	ppb
Krypton	83-1						cps
Lead	206-1	501.02	490.00	490.35	493.79	1.27	ppb
Lead	207-1	491.13	481.97	482.41	485.17	1.06	ppb
Lead	208-1	511.02	501.10	498.02	503.38	1.35	ppb
Lithium	6-1				83		%
Magnesium	24-2	252860.42	252604.47	251588.04	252350.98	0.27	ppb

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	CCV57	Instrumnet Name :	P8
Client Sample ID :	CCV57	Dilution Factor :	1
Date & Time Acquired ::	2019-01-21 18:27:13	DataFile Name :	084CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	1012.89	998.70	1001.95	1004.51	0.74	ppb
Molybdenum	94-1	2610.88	2583.36	2626.28	2606.84	0.83	ppb
Molybdenum	95-1	2610.62	2591.47	2606.97	2603.02	0.39	ppb
Molybdenum	96-1	2598.51	2600.33	2618.31	2605.72	0.42	ppb
Molybdenum	97-1	2595.12	2616.30	2649.52	2620.31	1.05	ppb
Molybdenum	98-1	2588.39	2573.76	2614.32	2592.16	0.79	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	522.35	516.20	520.08	519.54	0.60	ppb
Phosphorus	31-2	10110.80	10094.62	10123.30	10109.57	0.14	ppb
Potassium	39-2	122620.33	121852.68	122220.53	122231.18	0.31	ppb
Rhodium	103-1				100		%
Rhodium	103-2				97		%
Scandium	45-1				99		%
Scandium	45-2				94		%
Selenium	77-2	423.40	490.48	394.80	436.23	11.26	ppb
Selenium	78-2	457.79	494.81	474.96	475.85	3.89	ppb
Selenium	82-1	500.15	499.19	502.82	500.72	0.37	ppb
Silicon	28-1	432.25	448.21	461.10	447.19	3.23	ppb
Silver	109-1	487.22	486.26	494.45	489.31	0.91	ppb
Silver	107-1	483.08	480.54	478.51	480.71	0.48	ppb
Sodium	23-2	248525.81	245613.25	245502.09	246547.05	0.70	ppb
Strontium	86-1	507.57	506.28	515.88	509.91	1.02	ppb
Strontium	88-1	518.42	512.81	530.35	520.53	1.72	ppb
Sulfur	34-1	7633.28	7528.18	7592.00	7584.49	0.70	ppb
Terbium	159-1				113		%
Terbium	159-2				107		%
Thallium	203-1	504.81	488.13	489.16	494.03	1.89	ppb
Thallium	205-1	535.76	514.77	519.20	523.24	2.11	ppb
Tin	118-1	516.93	507.01	508.95	510.96	1.03	ppb
Titanium	47-1	2601.28	2616.54	2616.84	2611.55	0.34	ppb
Uranium	238-1	531.49	524.08	528.04	527.87	0.70	ppb
Vanadium	51-2	519.85	516.91	517.73	518.16	0.29	ppb
Yttrium	89-1				106		%
Yttrium	89-2				100		%
Zinc	66-2	1040.16	1035.41	1041.93	1039.17	0.32	ppb

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	CCV57	Instrumnet Name :	P8
Client Sample ID :	CCV57	Dilution Factor :	1
Date & Time Acquired ::	2019-01-21 18:27:13	DataFile Name :	084CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	90-1	529.27	525.53	528.26	527.68	0.37	ppb
Zirconium	91-1	497.73	493.24	506.33	499.10	1.33	ppb

LB Number : LB100421 Operator : Jaswal
 Lab Sample ID : CCB57 Instrumnet Name : P8
 Client Sample ID : CCB57 Dilution Factor : 1
 Date & Time Acquired :: 2019-01-21 18:30:36 DataFile Name : 085CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	-0.83	0.66	1.81	0.55	242.91	ppb
Antimony	121-1	0.17	0.18	0.22	0.19	13.20	ppb
Arsenic	75-2	-0.02	0.11	-0.02	0.02	344.62	ppb
Barium	135-1	0.02	0.00	0.01	0.01	132.26	ppb
Barium	137-1	0.02	0.04	0.01	0.03	48.21	ppb
Beryllium	9-1	0.06	0.12	0.06	0.08	41.05	ppb
Bismuth	209-1				124		%
Bismuth	209-2				116		%
Boron	10-1	7.32	6.91	6.36	6.86	6.98	ppb
Boron	11-1	7.33	6.85	6.10	6.76	9.21	ppb
Cadmium	111-1	-0.23	-0.15	-0.17	-0.18		ppb
Cadmium	106-1	-3.36	-2.01	-2.22	-2.53		ppb
Cadmium	108-1	0.15	0.15	0.15	0.15	0.12	ppb
Calcium	43-1	-5.02	-6.32	-9.29	-6.88		ppb
Calcium	44-1	-29.14	-32.99	-32.16	-31.43		ppb
Chromium	52-2	0.07	-0.16	-0.14	-0.08		ppb
Cobalt	59-2	-0.01	-0.01	-0.03	-0.02		ppb
Copper	63-2	0.13	0.08	0.12	0.11	22.77	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				119		%
Holmium	165-2				114		%
Indium	115-1				115		%
Indium	115-2				105		%
Iron	56-2	1.30	0.81	0.89	1.00	26.60	ppb
Iron	57-2	0.12	2.68	1.38	1.39	91.81	ppb
Krypton	83-1						cps
Lead	206-1	0.38	0.34	0.33	0.35	6.40	ppb
Lead	207-1	0.29	0.37	0.35	0.34	12.81	ppb
Lead	208-1	0.36	0.35	0.33	0.35	3.53	ppb
Lithium	6-1				90		%
Magnesium	24-2	3.75	0.46	3.45	2.55	71.34	ppb

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	CCB57	Instrumnet Name :	P8
Client Sample ID :	CCB57	Dilution Factor :	1
Date & Time Acquired ::	2019-01-21 18:30:36	DataFile Name :	085CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	0.07	-0.02	0.09	0.05	120.88	ppb
Molybdenum	94-1	0.13	0.14	0.09	0.12	24.52	ppb
Molybdenum	95-1	0.18	0.17	0.15	0.17	9.59	ppb
Molybdenum	96-1	0.17	0.15	0.22	0.18	21.20	ppb
Molybdenum	97-1	0.16	0.15	0.16	0.16	3.01	ppb
Molybdenum	98-1	0.16	0.17	0.14	0.16	8.95	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.00	0.04	0.01	0.02	135.59	ppb
Phosphorus	31-2	-8.92	-34.70	-21.66	-21.76		ppb
Potassium	39-2	11.88	-8.25	-6.33	-0.90		ppb
Rhodium	103-1				109		%
Rhodium	103-2				106		%
Scandium	45-1				102		%
Scandium	45-2				97		%
Selenium	77-2	-1.24	-1.24	-1.24	-1.24		ppb
Selenium	78-2	-0.02	0.59	-0.62	-0.02		ppb
Selenium	82-1	-0.80	0.61	1.57	0.46	259.49	ppb
Silicon	28-1	-25.16	-26.76	-27.51	-26.47		ppb
Silver	109-1	0.09	0.08	0.07	0.08	8.87	ppb
Silver	107-1	0.07	0.10	0.09	0.09	13.71	ppb
Sodium	23-2	31.19	12.85	24.53	22.86	40.61	ppb
Strontium	86-1	-0.15	-0.09	0.11	-0.04		ppb
Strontium	88-1	0.01	0.00	0.01	0.01	47.72	ppb
Sulfur	34-1	-5818.71	-6172.17	-6106.47	-6032.45		ppb
Terbium	159-1				117		%
Terbium	159-2				111		%
Thallium	203-1	0.03	0.04	0.06	0.04	26.75	ppb
Thallium	205-1	0.03	0.03	0.02	0.03	25.28	ppb
Tin	118-1	0.01	-0.01	0.00	0.00		ppb
Titanium	47-1	0.04	0.01	-0.05	0.00	23808.05	ppb
Uranium	238-1	0.00	0.00	0.01	0.00	40.06	ppb
Vanadium	51-2	-0.01	-0.02	0.00	-0.01		ppb
Yttrium	89-1				110		%
Yttrium	89-2				102		%
Zinc	66-2	0.50	0.33	0.08	0.30	69.82	ppb

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	CCB57	Instrumnet Name :	P8
Client Sample ID :	CCB57	Dilution Factor :	1
Date & Time Acquired ::	2019-01-21 18:30:36	DataFile Name :	085CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	90-1	0.01	0.01	0.00	0.01	41.60	ppb
Zirconium	91-1	0.01	0.00	0.03	0.01	109.72	ppb

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	S0	Instrumnet Name :	P8
Client Sample ID :	S0	Dilution Factor :	1
Date & Time Acquired ::	2019-01-21 12:43:37	DataFile Name :	003CALB.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	48	60	38	48	23.33	cps
Antimony	121-1	33	17	25	25	33.32	cps
Arsenic	75-2	4	7	24	12	92.52	cps
Barium	135-1	25	25	25	25	0.00	cps
Barium	137-1	8	17	42	22	78.07	cps
Beryllium	9-1	30	17	23	23	28.56	cps
Bismuth	209-1	1717506	1752690	1734166	1734787	1.01	cps
Bismuth	209-2	787679	801349	783113	790714	1.20	cps
Boron	10-1	50	58	83	64	27.15	cps
Boron	11-1	233	225	333	264	22.85	cps
Cadmium	111-1	528	732	560	606	18.09	cps
Cadmium	106-1	742	1033	800	858	17.98	cps
Cadmium	108-1	0	0	0	0	0.00	cps
Calcium	43-1	350	340	390	360	7.35	cps
Calcium	44-1	36678	36742	36902	36774	0.31	cps
Chromium	52-2	1690	1677	1653	1673	1.11	cps
Cobalt	59-2	87	170	100	119	37.65	cps
Copper	63-2	447	413	453	438	4.89	cps
Dysprosium	156-1	17	8	0	8	100.02	cps
Dysprosium	156-2	0	0	0	0	0.00	cps
Erbium	164-1	8	8	42	19	99.00	cps
Erbium	164-2	10	0	3	4	114.60	cps
Gadolinium	160-1	17	50	8	25	88.19	cps
Gadolinium	160-2	7	0	0	2	173.21	cps
Holmium	165-1	2940767	2994408	2948419	2961198	0.98	cps
Holmium	165-2	1061755	1068419	1060078	1063417	0.41	cps
Indium	115-1	2894812	2914510	2926648	2911990	0.55	cps
Indium	115-2	228477	231863	227093	229144	1.07	cps
Iron	56-2	3417	3528	3517	3488	1.76	cps
Iron	57-2	111	106	89	102	11.36	cps
Krypton	83-1	613	533	660	602	10.64	cps
Lead	206-1	144	100	139	128	18.95	cps
Lead	207-1	122	122	128	124	2.58	cps
Lead	208-1	506	528	506	513	2.50	cps
Lithium	6-1	696060	701899	704322	700760	0.61	cps
Magnesium	24-2	325	400	425	383	13.58	cps

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	S0	Instrumnet Name :	P8
Client Sample ID :	S0	Dilution Factor :	1
Date & Time Acquired ::	2019-01-21 12:43:37	DataFile Name :	003CALB.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	100	80	40	73	41.66	cps
Molybdenum	94-1	42	158	142	114	55.40	cps
Molybdenum	95-1	50	33	33	39	24.74	cps
Molybdenum	96-1	58	33	67	53	32.88	cps
Molybdenum	97-1	67	100	83	83	20.00	cps
Molybdenum	98-1	50	58	58	56	8.67	cps
Neodymium	150-1	0	7	13	7	99.98	cps
Neodymium	150-2	0	0	0	0	0.00	cps
Nickel	60-2	93	83	63	80	19.10	cps
Phosphorus	31-2	0	25	17	14	91.65	cps
Potassium	39-2	5893	5326	5668	5629	5.07	cps
Rhodium	103-1	3016970	3080627	3070624	3056074	1.12	cps
Rhodium	103-2	1193004	1200134	1197641	1196926	0.30	cps
Scandium	45-1	2582842	2642009	2618521	2614457	1.14	cps
Scandium	45-2	34636	35194	34085	34638	1.60	cps
Selenium	77-2	3	0	0	1	173.21	cps
Selenium	78-2	4	0	2	2	100.00	cps
Selenium	82-1	-3	43	-65	-8	-645.82	cps
Silicon	28-1	356558	349761	355652	353990	1.04	cps
Silver	109-1	25	58	92	58	57.14	cps
Silver	107-1	25	42	108	58	75.59	cps
Sodium	23-2	13724	13916	13949	13863	0.88	cps
Strontium	86-1	1133	792	883	936	18.89	cps
Strontium	88-1	50	75	25	50	50.00	cps
Sulfur	34-1	480702	477643	480660	479668	0.37	cps
Terbium	159-1	3180357	3242145	3248137	3223546	1.16	cps
Terbium	159-2	1096738	1092327	1074819	1087961	1.07	cps
Thallium	203-1	25	50	42	39	32.73	cps
Thallium	205-1	92	67	50	69	30.20	cps
Tin	118-1	267	167	325	253	31.68	cps
Titanium	47-1	133	108	92	111	18.88	cps
Uranium	238-1	67	25	8	33	90.15	cps
Vanadium	51-2	17	33	23	24	34.31	cps
Yttrium	89-1	3509722	3538265	3556193	3534727	0.66	cps
Yttrium	89-2	191080	192946	190258	191428	0.72	cps
Zinc	66-2	117	67	63	82	36.33	cps

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	S0	Instrumnet Name :	P8
Client Sample ID :	S0	Dilution Factor :	1
Date & Time Acquired ::	2019-01-21 12:43:37	DataFile Name :	003CALB.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	90-1	275	183	192	217	23.40	cps
Zirconium	91-1	75	50	67	64	19.92	cps

LB Number : LB100421 Operator : Jaswal
 Lab Sample ID : S2 Instrumnet Name : P8
 Client Sample ID : S2 Dilution Factor : 1
 Date & Time Acquired :: 2019-01-21 12:51:11 DataFile Name : 005CAL.S.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	190	160	193	181	10.00	cps
Antimony	121-1	8145	8186	8403	8245	1.68	cps
Arsenic	75-2	137	133	107	126	12.82	cps
Barium	135-1	7678	8487	8253	8139	5.12	cps
Barium	137-1	14842	15076	14625	14848	1.52	cps
Beryllium	9-1	993	1017	1107	1039	5.76	cps
Bismuth	209-1	1752620	1751215	1778138	1760658	0.86	cps
Bismuth	209-2	779267	830885	792797	800983	3.34	cps
Boron	10-1	3726	3567	3942	3745	5.03	cps
Boron	11-1	18296	18187	18346	18276	0.44	cps
Cadmium	111-1	1536	1546	1612	1565	2.63	cps
Cadmium	106-1	925	950	900	925	2.70	cps
Cadmium	108-1	58	75	92	75	22.22	cps
Calcium	43-1	6938	7212	7325	7159	2.78	cps
Calcium	44-1	147109	146500	146379	146663	0.27	cps
Chromium	52-2	3287	2997	3354	3213	5.90	cps
Cobalt	59-2	1673	1617	1707	1666	2.73	cps
Copper	63-2	3064	3124	3297	3162	3.83	cps
Dysprosium	156-1	17	33	0	17	99.99	cps
Dysprosium	156-2	3	3	0	2	86.60	cps
Erbium	164-1	17	8	0	8	100.02	cps
Erbium	164-2	0	3	3	2	86.60	cps
Gadolinium	160-1	33	25	0	19	89.21	cps
Gadolinium	160-2	3	10	17	10	66.70	cps
Holmium	165-1	3020240	2931034	2984269	2978514	1.51	cps
Holmium	165-2	1048250	1126458	1075517	1083408	3.66	cps
Indium	115-1	3039705	2936217	2968039	2981320	1.78	cps
Indium	115-2	222546	237894	227303	229247	3.43	cps
Iron	56-2	35078	34025	33652	34252	2.16	cps
Iron	57-2	928	856	867	883	4.40	cps
Krypton	83-1	597	557	580	578	3.48	cps
Lead	206-1	2056	1900	1895	1950	4.69	cps
Lead	207-1	1884	1911	1778	1858	3.79	cps
Lead	208-1	8090	7946	7962	7999	0.99	cps
Lithium	6-1	704269	693378	703519	700388	0.87	cps
Magnesium	24-2	17887	17520	17895	17767	1.21	cps

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	S2	Instrumnet Name :	P8
Client Sample ID :	S2	Dilution Factor :	1
Date & Time Acquired ::	2019-01-21 12:51:11	DataFile Name :	005CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	403	343	347	364	9.25	cps
Molybdenum	94-1	8261	8203	8553	8339	2.25	cps
Molybdenum	95-1	10121	10121	10221	10154	0.57	cps
Molybdenum	96-1	10821	11547	11297	11222	3.28	cps
Molybdenum	97-1	6177	6093	6077	6116	0.88	cps
Molybdenum	98-1	15843	15877	16594	16105	2.63	cps
Neodymium	150-1	13	7	7	9	43.25	cps
Neodymium	150-2	3	0	0	1	173.21	cps
Nickel	60-2	497	633	537	556	12.65	cps
Phosphorus	31-2	8	50	42	33	66.15	cps
Potassium	39-2	15843	15943	15359	15715	1.99	cps
Rhodium	103-1	3025187	2979081	3092124	3032131	1.87	cps
Rhodium	103-2	1164649	1243273	1191977	1199966	3.33	cps
Scandium	45-1	2624578	2604033	2623090	2617234	0.44	cps
Scandium	45-2	34259	36270	34559	35029	3.10	cps
Selenium	77-2	7	3	7	6	34.70	cps
Selenium	78-2	24	15	13	17	34.45	cps
Selenium	82-1	418	450	350	406	12.59	cps
Silicon	28-1	382145	380195	384274	382205	0.53	cps
Silver	109-1	4868	4859	4426	4718	5.36	cps
Silver	107-1	4943	4918	4851	4904	0.97	cps
Sodium	23-2	53067	53251	53710	53343	0.62	cps
Strontium	86-1	2084	2025	2159	2089	3.20	cps
Strontium	88-1	10730	10755	10746	10744	0.12	cps
Sulfur	34-1	482190	485480	482918	483530	0.36	cps
Terbium	159-1	3268208	3165193	3264176	3232526	1.80	cps
Terbium	159-2	1068142	1139885	1091865	1099964	3.32	cps
Thallium	203-1	2675	2275	2484	2478	8.08	cps
Thallium	205-1	5351	5443	5610	5468	2.40	cps
Tin	118-1	14792	14108	14233	14378	2.53	cps
Titanium	47-1	3576	3442	3767	3595	4.55	cps
Uranium	238-1	7127	7069	7119	7105	0.44	cps
Vanadium	51-2	3280	3270	3227	3259	0.87	cps
Yttrium	89-1	3599307	3519951	3593496	3570918	1.24	cps
Yttrium	89-2	187182	199336	190372	192297	3.28	cps
Zinc	66-2	383	363	350	366	4.59	cps

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	S2	Instrumnet Name :	P8
Client Sample ID :	S2	Dilution Factor :	1
Date & Time Acquired ::	2019-01-21 12:51:11	DataFile Name :	005CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	90-1	6694	7069	6785	6849	2.86	cps
Zirconium	91-1	1433	1525	1392	1450	4.70	cps

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	S3	Instrumnet Name :	P8
Client Sample ID :	S3	Dilution Factor :	1
Date & Time Acquired ::	2019-01-21 12:55:07	DataFile Name :	006CAL.S.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	8520	8247	8505	8424	1.82	cps
Antimony	121-1	224329	227466	221341	224379	1.37	cps
Arsenic	75-2	5868	5937	5829	5878	0.93	cps
Barium	135-1	223009	223152	224756	223639	0.43	cps
Barium	137-1	382822	386659	388690	386057	0.77	cps
Beryllium	9-1	57210	57819	57257	57429	0.59	cps
Bismuth	209-1	1729972	1697985	1771627	1733194	2.13	cps
Bismuth	209-2	802738	790035	776984	789919	1.63	cps
Boron	10-1	7994	7419	8478	7964	6.66	cps
Boron	11-1	39598	39798	38703	39366	1.48	cps
Cadmium	111-1	53857	54215	55037	54370	1.11	cps
Cadmium	106-1	6227	6002	6277	6168	2.38	cps
Cadmium	108-1	4130	3817	3755	3901	5.15	cps
Calcium	43-1	74211	75360	73574	74382	1.22	cps
Calcium	44-1	1239304	1236003	1240489	1238599	0.19	cps
Chromium	52-2	47357	46684	47143	47061	0.73	cps
Cobalt	59-2	88449	87472	88334	88085	0.61	cps
Copper	63-2	144711	145998	147543	146084	0.97	cps
Dysprosium	156-1	17	25	0	14	91.65	cps
Dysprosium	156-2	0	0	0	0	0.00	cps
Erbium	164-1	50	17	8	25	88.19	cps
Erbium	164-2	0	0	10	3	173.21	cps
Gadolinium	160-1	8	67	8	28	121.26	cps
Gadolinium	160-2	3	13	3	7	86.65	cps
Holmium	165-1	2960606	2877722	3027575	2955301	2.54	cps
Holmium	165-2	1088195	1075649	1061755	1075200	1.23	cps
Indium	115-1	2926907	2876681	2974446	2926011	1.67	cps
Indium	115-2	229166	229941	224175	227761	1.37	cps
Iron	56-2	1575318	1581655	1591239	1582737	0.51	cps
Iron	57-2	38270	37974	38414	38219	0.59	cps
Krypton	83-1	560	573	623	586	5.70	cps
Lead	206-1	101553	102203	102063	101940	0.34	cps
Lead	207-1	91075	92938	92737	92250	1.11	cps
Lead	208-1	412216	418360	415987	415521	0.75	cps
Lithium	6-1	691533	679478	702476	691162	1.66	cps
Magnesium	24-2	198777	198991	197183	198317	0.50	cps

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	S3	Instrumnet Name :	P8
Client Sample ID :	S3	Dilution Factor :	1
Date & Time Acquired ::	2019-01-21 12:55:07	DataFile Name :	006CAL.S.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	28706	28025	28088	28273	1.33	cps
Molybdenum	94-1	434420	431169	428996	431528	0.63	cps
Molybdenum	95-1	523699	527152	526480	525777	0.35	cps
Molybdenum	96-1	581406	587188	582018	583537	0.54	cps
Molybdenum	97-1	324300	322577	325984	324287	0.53	cps
Molybdenum	98-1	831673	838108	832629	834137	0.42	cps
Neodymium	150-1	27	33	27	29	13.31	cps
Neodymium	150-2	0	0	0	0	0.00	cps
Nickel	60-2	26245	26058	26025	26109	0.46	cps
Phosphorus	31-2	625	675	533	611	11.76	cps
Potassium	39-2	61644	59937	59996	60526	1.60	cps
Rhodium	103-1	3041317	2909088	3038770	2996392	2.52	cps
Rhodium	103-2	1187422	1192258	1169723	1183134	1.00	cps
Scandium	45-1	2598739	2511135	2598705	2569526	1.97	cps
Scandium	45-2	34633	34797	33387	34272	2.25	cps
Selenium	77-2	40	53	33	42	24.12	cps
Selenium	78-2	170	156	128	151	14.30	cps
Selenium	82-1	3832	3988	3886	3902	2.03	cps
Silicon	28-1	549236	551928	547134	549433	0.44	cps
Silver	109-1	243728	245695	244528	244650	0.40	cps
Silver	107-1	261857	260136	261316	261103	0.34	cps
Sodium	23-2	448995	448724	446152	447957	0.35	cps
Strontium	86-1	68280	69971	69862	69371	1.36	cps
Strontium	88-1	589627	593381	584870	589293	0.72	cps
Sulfur	34-1	507130	502852	497101	502361	1.00	cps
Terbium	159-1	3216128	3127014	3284753	3209298	2.46	cps
Terbium	159-2	1095309	1090283	1068523	1084705	1.31	cps
Thallium	203-1	126879	127613	124651	126381	1.22	cps
Thallium	205-1	300285	302588	300125	300999	0.46	cps
Tin	118-1	152115	156827	153312	154085	1.59	cps
Titanium	47-1	180044	180719	183176	181313	0.91	cps
Uranium	238-1	371060	378192	371548	373600	1.07	cps
Vanadium	51-2	33146	32267	32468	32627	1.41	cps
Yttrium	89-1	3539565	3440615	3630926	3537036	2.69	cps
Yttrium	89-2	192371	191424	188695	190830	1.00	cps
Zinc	66-2	16073	15869	16196	16046	1.03	cps

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	S3	Instrumnet Name :	P8
Client Sample ID :	S3	Dilution Factor :	1
Date & Time Acquired ::	2019-01-21 12:55:07	DataFile Name :	006CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	90-1	361467	365004	362490	362987	0.50	cps
Zirconium	91-1	81100	81125	79642	80622	1.05	cps

LB Number : LB100421 Operator : Jaswal
 Lab Sample ID : S4 Instrumnet Name : P8
 Client Sample ID : S4 Dilution Factor : 1
 Date & Time Acquired :: 2019-01-21 12:59:04 DataFile Name : 007CAL.S.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	20605	20465	20267	20446	0.83	cps
Antimony	121-1	568863	566865	565873	567200	0.27	cps
Arsenic	75-2	14736	14680	14669	14695	0.24	cps
Barium	135-1	564389	558845	561462	561565	0.49	cps
Barium	137-1	974182	968867	964456	969168	0.50	cps
Beryllium	9-1	139659	142800	142399	141619	1.21	cps
Bismuth	209-1	1700048	1745061	1788195	1744435	2.53	cps
Bismuth	209-2	787819	805054	791462	794778	1.14	cps
Boron	10-1	19798	20123	20006	19976	0.82	cps
Boron	11-1	97985	97774	97977	97912	0.12	cps
Cadmium	111-1	133999	132456	132348	132934	0.70	cps
Cadmium	106-1	14558	14625	14433	14539	0.67	cps
Cadmium	108-1	9554	9679	9783	9672	1.19	cps
Calcium	43-1	185201	183650	184350	184400	0.42	cps
Calcium	44-1	3093147	3041985	3060774	3065302	0.84	cps
Chromium	52-2	114020	113848	113801	113890	0.10	cps
Cobalt	59-2	217228	215249	219182	217220	0.91	cps
Copper	63-2	367188	363662	367645	366165	0.60	cps
Dysprosium	156-1	25	8	8	14	69.31	cps
Dysprosium	156-2	0	3	0	1	173.21	cps
Erbium	164-1	8	25	25	19	49.50	cps
Erbium	164-2	0	3	10	4	114.60	cps
Gadolinium	160-1	33	25	33	31	15.74	cps
Gadolinium	160-2	7	7	7	7	0.00	cps
Holmium	165-1	2954897	2985237	3130604	3023579	3.11	cps
Holmium	165-2	1064732	1101328	1073288	1079783	1.77	cps
Indium	115-1	2903304	2944256	2970212	2939258	1.15	cps
Indium	115-2	227851	230223	229183	229086	0.52	cps
Iron	56-2	3852596	3866168	3912363	3877042	0.81	cps
Iron	57-2	95369	95894	95996	95753	0.35	cps
Krypton	83-1	583	593	613	597	2.56	cps
Lead	206-1	256076	255662	261204	257648	1.20	cps
Lead	207-1	235204	231804	232776	233261	0.75	cps
Lead	208-1	1042764	1038623	1050173	1043853	0.56	cps
Lithium	6-1	675729	684776	692629	684378	1.24	cps
Magnesium	24-2	485093	483501	487480	485358	0.41	cps

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	S4	Instrumnet Name :	P8
Client Sample ID :	S4	Dilution Factor :	1
Date & Time Acquired ::	2019-01-21 12:59:04	DataFile Name :	007CAL.S.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	69596	68500	70058	69385	1.15	cps
Molybdenum	94-1	1070803	1075572	1091836	1079404	1.02	cps
Molybdenum	95-1	1316746	1315609	1328697	1320351	0.55	cps
Molybdenum	96-1	1481358	1460174	1476354	1472628	0.75	cps
Molybdenum	97-1	812152	806244	818998	812465	0.79	cps
Molybdenum	98-1	2184029	2126740	2179465	2163411	1.47	cps
Neodymium	150-1	47	33	27	36	28.64	cps
Neodymium	150-2	0	0	0	0	0.00	cps
Nickel	60-2	64837	63832	64238	64302	0.79	cps
Phosphorus	31-2	1817	1750	1575	1714	7.28	cps
Potassium	39-2	145108	142684	144275	144022	0.86	cps
Rhodium	103-1	2967663	3012464	3059197	3013108	1.52	cps
Rhodium	103-2	1172573	1197478	1171031	1180361	1.26	cps
Scandium	45-1	2533090	2566957	2633237	2577762	1.98	cps
Scandium	45-2	34473	34917	34432	34607	0.78	cps
Selenium	77-2	90	120	110	107	14.32	cps
Selenium	78-2	387	374	378	380	1.76	cps
Selenium	82-1	9693	9681	9718	9697	0.19	cps
Silicon	28-1	846802	851934	848110	848949	0.31	cps
Silver	109-1	606363	614045	612451	610953	0.66	cps
Silver	107-1	644653	645923	648603	646393	0.31	cps
Sodium	23-2	1124477	1082569	1115275	1107440	1.99	cps
Strontium	86-1	170908	171492	175412	172604	1.42	cps
Strontium	88-1	1505568	1493095	1519266	1505976	0.87	cps
Sulfur	34-1	527596	523010	524225	524944	0.45	cps
Terbium	159-1	3274663	3245483	3319660	3279936	1.14	cps
Terbium	159-2	1090961	1112729	1097055	1100248	1.02	cps
Thallium	203-1	316759	314458	316451	315889	0.40	cps
Thallium	205-1	761745	750576	767164	759828	1.11	cps
Tin	118-1	384931	385560	383425	384638	0.29	cps
Titanium	47-1	452788	450493	451722	451668	0.25	cps
Uranium	238-1	937960	952779	943782	944840	0.79	cps
Vanadium	51-2	82488	81593	82343	82141	0.59	cps
Yttrium	89-1	3541374	3549054	3667911	3586113	1.98	cps
Yttrium	89-2	190151	192733	190686	191190	0.71	cps
Zinc	66-2	40111	39219	39179	39503	1.33	cps

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	S4	Instrumnet Name :	P8
Client Sample ID :	S4	Dilution Factor :	1
Date & Time Acquired ::	2019-01-21 12:59:04	DataFile Name :	007CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	90-1	915451	904195	911867	910504	0.63	cps
Zirconium	91-1	201184	197311	205226	201241	1.97	cps

LB Number : LB100421 Operator : Jaswal
 Lab Sample ID : S5 Instrumnet Name : P8
 Client Sample ID : S5 Dilution Factor : 1
 Date & Time Acquired :: 2019-01-21 13:02:57 DataFile Name : 008CAL.S.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	40578	39863	40119	40187	0.90	cps
Antimony	121-1	1126152	1128087	1126660	1126966	0.09	cps
Arsenic	75-2	29029	28763	28958	28917	0.48	cps
Barium	135-1	1104014	1100925	1116701	1107213	0.76	cps
Barium	137-1	1926273	1959965	1953673	1946637	0.92	cps
Beryllium	9-1	273228	270357	273269	272285	0.61	cps
Bismuth	209-1	1698027	1656010	1717677	1690571	1.86	cps
Bismuth	209-2	772292	789722	712918	758311	5.31	cps
Boron	10-1	38503	38177	40768	39149	3.60	cps
Boron	11-1	186036	188559	192781	189125	1.80	cps
Cadmium	111-1	264687	266503	263784	264991	0.52	cps
Cadmium	106-1	27938	27980	28323	28080	0.75	cps
Cadmium	108-1	19060	19331	18889	19093	1.17	cps
Calcium	43-1	366550	366238	364473	365754	0.31	cps
Calcium	44-1	5956051	5938428	5974832	5956437	0.31	cps
Chromium	52-2	221294	222025	222043	221788	0.19	cps
Cobalt	59-2	425388	425511	434163	428354	1.17	cps
Copper	63-2	710577	711687	717917	713394	0.55	cps
Dysprosium	156-1	25	42	8	25	66.68	cps
Dysprosium	156-2	0	3	0	1	173.21	cps
Erbium	164-1	25	17	8	17	50.01	cps
Erbium	164-2	0	13	7	7	99.98	cps
Gadolinium	160-1	25	33	58	39	44.62	cps
Gadolinium	160-2	7	10	3	7	50.03	cps
Holmium	165-1	2993952	2847927	3068166	2970015	3.77	cps
Holmium	165-2	1060681	1088118	980178	1042992	5.38	cps
Indium	115-1	2889759	2795581	2934863	2873401	2.47	cps
Indium	115-2	224328	228840	201862	218344	6.62	cps
Iron	56-2	7505710	7588695	7684523	7592976	1.18	cps
Iron	57-2	191225	188941	191801	190656	0.79	cps
Krypton	83-1	603	523	523	550	8.40	cps
Lead	206-1	507460	506493	500504	504819	0.75	cps
Lead	207-1	460295	459152	454552	458000	0.66	cps
Lead	208-1	2047208	2058996	2039539	2048581	0.48	cps
Lithium	6-1	654888	638468	657075	650144	1.56	cps
Magnesium	24-2	953686	958727	963042	958485	0.49	cps

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	S5	Instrumnet Name :	P8
Client Sample ID :	S5	Dilution Factor :	1
Date & Time Acquired ::	2019-01-21 13:02:57	DataFile Name :	008CAL.S.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	137418	136145	138626	137396	0.90	cps
Molybdenum	94-1	2185454	2189712	2191204	2188790	0.14	cps
Molybdenum	95-1	2711116	2724919	2749116	2728384	0.71	cps
Molybdenum	96-1	3007691	2957708	2958829	2974743	0.96	cps
Molybdenum	97-1	1630175	1658272	1640104	1642851	0.87	cps
Molybdenum	98-1	4254423	4217697	4236731	4236284	0.43	cps
Neodymium	150-1	40	73	60	58	29.04	cps
Neodymium	150-2	7	13	3	8	65.47	cps
Nickel	60-2	126979	124087	127702	126256	1.52	cps
Phosphorus	31-2	3592	3401	3159	3384	6.42	cps
Potassium	39-2	274550	276958	279796	277101	0.95	cps
Rhodium	103-1	2927807	2880395	3008061	2938754	2.20	cps
Rhodium	103-2	1162096	1173951	1056935	1130994	5.70	cps
Scandium	45-1	2526905	2471974	2627321	2542067	3.10	cps
Scandium	45-2	34105	35064	31091	33420	6.20	cps
Selenium	77-2	220	147	253	207	26.40	cps
Selenium	78-2	852	802	754	803	6.12	cps
Selenium	82-1	19451	19012	19396	19286	1.24	cps
Silicon	28-1	1233651	1226817	1233760	1231409	0.32	cps
Silver	109-1	1183770	1199855	1200482	1194702	0.79	cps
Silver	107-1	1281416	1285276	1272794	1279828	0.50	cps
Sodium	23-2	2206338	2207438	2222380	2212052	0.41	cps
Strontium	86-1	338284	336177	338165	337542	0.35	cps
Strontium	88-1	2940643	2974781	3000325	2971917	1.01	cps
Sulfur	34-1	573023	567390	569382	569932	0.50	cps
Terbium	159-1	3239414	3163805	3244657	3215959	1.41	cps
Terbium	159-2	1073537	1105504	976348	1051797	6.40	cps
Thallium	203-1	625209	622266	635909	627795	1.14	cps
Thallium	205-1	1504865	1480501	1483949	1489772	0.89	cps
Tin	118-1	761560	765800	755078	760813	0.71	cps
Titanium	47-1	887196	890376	896873	891482	0.55	cps
Uranium	238-1	1916094	1921844	1907556	1915165	0.38	cps
Vanadium	51-2	162062	161735	164594	162797	0.96	cps
Yttrium	89-1	3492000	3384370	3538242	3471537	2.27	cps
Yttrium	89-2	189570	194268	172487	185442	6.18	cps
Zinc	66-2	77425	79070	79945	78813	1.62	cps

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	S5	Instrumnet Name :	P8
Client Sample ID :	S5	Dilution Factor :	1
Date & Time Acquired ::	2019-01-21 13:02:57	DataFile Name :	008CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	90-1	1850944	1836458	1833866	1840423	0.50	cps
Zirconium	91-1	398669	393125	396569	396121	0.71	cps

LB Number : LB100421 Operator : Jaswal
 Lab Sample ID : S6 Instrumnet Name : P8
 Client Sample ID : S6 Dilution Factor : 1
 Date & Time Acquired :: 2019-01-21 13:06:44 DataFile Name : 009CAL.S.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	80274	80156	81001	80477	0.57	cps
Antimony	121-1	2314267	2324833	2340323	2326474	0.56	cps
Arsenic	75-2	57491	58027	58118	57879	0.58	cps
Barium	135-1	2274958	2251298	2336790	2287682	1.93	cps
Barium	137-1	3920278	3856867	3956403	3911183	1.29	cps
Beryllium	9-1	537040	538087	537235	537454	0.10	cps
Bismuth	209-1	1701004	1710617	1724497	1712039	0.69	cps
Bismuth	209-2	828644	821550	735631	795275	6.51	cps
Boron	10-1	76873	75767	77234	76625	1.00	cps
Boron	11-1	373774	380253	379147	377725	0.92	cps
Cadmium	111-1	523282	528091	526771	526048	0.47	cps
Cadmium	106-1	54645	53950	54804	54467	0.83	cps
Cadmium	108-1	37962	37728	37916	37869	0.33	cps
Calcium	43-1	726150	721544	726296	724664	0.37	cps
Calcium	44-1	11705866	11816584	11772701	11765050	0.47	cps
Chromium	52-2	440209	440772	444221	441734	0.49	cps
Cobalt	59-2	855354	849116	855904	853458	0.44	cps
Copper	63-2	1422710	1408405	1423129	1418081	0.59	cps
Dysprosium	156-1	58	100	67	75	29.40	cps
Dysprosium	156-2	7	3	10	7	50.03	cps
Erbium	164-1	33	8	17	19	65.47	cps
Erbium	164-2	7	7	3	6	34.70	cps
Gadolinium	160-1	42	17	58	39	53.93	cps
Gadolinium	160-2	3	20	23	16	68.90	cps
Holmium	165-1	3031993	3022288	2982900	3012394	0.86	cps
Holmium	165-2	1145777	1127225	1025700	1099567	5.88	cps
Indium	115-1	2869634	2892649	2824450	2862245	1.21	cps
Indium	115-2	234039	234324	209256	225873	6.37	cps
Iron	56-2	15235199	15113045	15221097	15189780	0.44	cps
Iron	57-2	378283	380501	380053	379612	0.31	cps
Krypton	83-1	583	630	560	591	6.03	cps
Lead	206-1	1007312	1020343	1017748	1015134	0.68	cps
Lead	207-1	921036	931990	933566	928864	0.73	cps
Lead	208-1	4250648	4293694	4231311	4258551	0.75	cps
Lithium	6-1	642716	648960	629680	640452	1.54	cps
Magnesium	24-2	1958703	1926439	1944905	1943349	0.83	cps

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	S6	Instrumnet Name :	P8
Client Sample ID :	S6	Dilution Factor :	1
Date & Time Acquired ::	2019-01-21 13:06:44	DataFile Name :	009CAL.S.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	274225	271631	271216	272357	0.60	cps
Molybdenum	94-1	4374916	4387260	4404658	4388944	0.34	cps
Molybdenum	95-1	5411007	5456124	5453495	5440209	0.47	cps
Molybdenum	96-1	5997675	5939943	5907759	5948459	0.77	cps
Molybdenum	97-1	3325768	3276596	3322642	3308335	0.83	cps
Molybdenum	98-1	8437393	8534547	8493103	8488348	0.57	cps
Neodymium	150-1	87	93	87	89	4.33	cps
Neodymium	150-2	3	0	13	6	124.93	cps
Nickel	60-2	250133	249333	249638	249701	0.16	cps
Phosphorus	31-2	6302	6610	6427	6446	2.41	cps
Potassium	39-2	546995	542907	543269	544391	0.42	cps
Rhodium	103-1	2909247	2946928	2897989	2918055	0.88	cps
Rhodium	103-2	1224746	1213861	1099939	1179516	5.86	cps
Scandium	45-1	2543142	2606507	2488704	2546118	2.32	cps
Scandium	45-2	36464	35963	32922	35116	5.46	cps
Selenium	77-2	450	407	417	424	5.35	cps
Selenium	78-2	1433	1517	1452	1467	2.98	cps
Selenium	82-1	38561	38106	38753	38473	0.86	cps
Silicon	28-1	2045465	2058858	2078383	2060902	0.80	cps
Silver	109-1	2473928	2530776	2506519	2503741	1.14	cps
Silver	107-1	2601507	2624304	2621485	2615765	0.48	cps
Sodium	23-2	4326110	4273058	4279784	4292984	0.67	cps
Strontium	86-1	671041	675172	679862	675358	0.65	cps
Strontium	88-1	5828248	5832026	5859952	5840076	0.30	cps
Sulfur	34-1	662049	658562	654814	658475	0.55	cps
Terbium	159-1	3260641	3269640	3217890	3249390	0.85	cps
Terbium	159-2	1158999	1151919	1036519	1115812	6.16	cps
Thallium	203-1	1268414	1263938	1258703	1263685	0.38	cps
Thallium	205-1	3040982	3073970	3079740	3064897	0.68	cps
Tin	118-1	1534753	1554460	1529263	1539492	0.86	cps
Titanium	47-1	1816368	1849224	1847059	1837550	1.00	cps
Uranium	238-1	3851315	3881050	3881609	3871325	0.45	cps
Vanadium	51-2	325865	324945	326963	325925	0.31	cps
Yttrium	89-1	3521063	3572387	3500387	3531279	1.05	cps
Yttrium	89-2	199265	197902	180490	192552	5.44	cps
Zinc	66-2	155557	156929	155282	155923	0.57	cps

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	S6	Instrumnet Name :	P8
Client Sample ID :	S6	Dilution Factor :	1
Date & Time Acquired ::	2019-01-21 13:06:44	DataFile Name :	009CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	90-1	3650279	3630787	3676390	3652485	0.63	cps
Zirconium	91-1	801346	798644	803297	801096	0.29	cps

LB Number : LB100421 Operator : Jaswal
 Lab Sample ID : S7 Instrumnet Name : P8
 Client Sample ID : S7 Dilution Factor : 1
 Date & Time Acquired :: 2019-01-21 13:10:27 DataFile Name : 010CAL.S.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	162312	161490	161723	161842	0.26	cps
Antimony	121-1	4605657	4619202	4655620	4626826	0.56	cps
Arsenic	75-2	118271	117490	116357	117373	0.82	cps
Barium	135-1	4516265	4467183	4621837	4535095	1.74	cps
Barium	137-1	7637645	7704984	7834174	7725601	1.29	cps
Beryllium	9-1	1034685	1046922	1031849	1037819	0.77	cps
Bismuth	209-1	2028564	1786346	1710899	1841936	9.01	cps
Bismuth	209-2	723035	783585	765874	757498	4.11	cps
Boron	10-1	147813	147888	151754	149152	1.51	cps
Boron	11-1	729637	738029	745453	737707	1.07	cps
Cadmium	111-1	1034784	1038871	1035645	1036434	0.21	cps
Cadmium	106-1	106914	108006	108274	107732	0.67	cps
Cadmium	108-1	73742	75762	74815	74773	1.35	cps
Calcium	43-1	1437911	1484411	1476594	1466306	1.70	cps
Calcium	44-1	23253014	23526474	23875946	23551811	1.33	cps
Chromium	52-2	888685	887252	880933	885623	0.47	cps
Cobalt	59-2	1748444	1743084	1714289	1735272	1.06	cps
Copper	63-2	2843559	2847813	2843041	2844804	0.09	cps
Dysprosium	156-1	108	33	42	61	67.27	cps
Dysprosium	156-2	0	0	10	3	173.21	cps
Erbium	164-1	17	17	8	14	34.67	cps
Erbium	164-2	20	17	17	18	10.81	cps
Gadolinium	160-1	33	42	17	31	41.66	cps
Gadolinium	160-2	3	3	10	6	69.34	cps
Holmium	165-1	3593263	3101622	2999116	3231334	9.83	cps
Holmium	165-2	1010496	1098572	1092000	1067023	4.60	cps
Indium	115-1	3328988	2924822	2887929	3047246	8.03	cps
Indium	115-2	201724	224231	218540	214831	5.45	cps
Iron	56-2	30659264	30284738	30382235	30442079	0.64	cps
Iron	57-2	765797	756735	755021	759184	0.76	cps
Krypton	83-1	563	557	593	571	3.42	cps
Lead	206-1	2038074	2084594	2079326	2067331	1.23	cps
Lead	207-1	1878248	1883733	1931477	1897819	1.54	cps
Lead	208-1	8366749	8512286	8561049	8480028	1.19	cps
Lithium	6-1	699779	624579	628074	650811	6.52	cps
Magnesium	24-2	3888258	3796265	3798796	3827773	1.37	cps

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	S7	Instrumnet Name :	P8
Client Sample ID :	S7	Dilution Factor :	1
Date & Time Acquired ::	2019-01-21 13:10:27	DataFile Name :	010CAL.S.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	551173	543621	542646	545814	0.86	cps
Molybdenum	94-1	8537482	8669234	8692065	8632927	0.97	cps
Molybdenum	95-1	10700159	10911560	10801875	10804531	0.98	cps
Molybdenum	96-1	11705968	11814061	11960455	11826828	1.08	cps
Molybdenum	97-1	6469790	6498182	6602868	6523613	1.07	cps
Molybdenum	98-1	16853034	16960361	17134608	16982668	0.84	cps
Neodymium	150-1	233	133	107	158	42.33	cps
Neodymium	150-2	13	13	3	10	57.75	cps
Nickel	60-2	496406	497154	492184	495248	0.54	cps
Phosphorus	31-2	14466	13123	13307	13632	5.34	cps
Potassium	39-2	1097796	1095466	1092694	1095319	0.23	cps
Rhodium	103-1	3363054	2953083	2989215	3101784	7.32	cps
Rhodium	103-2	1069204	1183832	1156298	1136444	5.27	cps
Scandium	45-1	2969042	2641992	2609189	2740074	7.26	cps
Scandium	45-2	32826	36300	35685	34937	5.31	cps
Selenium	77-2	923	920	867	903	3.52	cps
Selenium	78-2	2919	2943	2999	2953	1.38	cps
Selenium	82-1	76975	76924	77579	77159	0.47	cps
Silicon	28-1	4130779	4217629	4220909	4189772	1.22	cps
Silver	109-1	4849609	4926280	4816918	4864269	1.15	cps
Silver	107-1	5153746	5222992	5141416	5172718	0.85	cps
Sodium	23-2	8543190	8551141	8419506	8504613	0.87	cps
Strontium	86-1	1329798	1364621	1364009	1352809	1.47	cps
Strontium	88-1	11555315	11725633	11828632	11703193	1.18	cps
Sulfur	34-1	865322	866085	864072	865160	0.12	cps
Terbium	159-1	3824248	3340259	3313987	3492831	8.23	cps
Terbium	159-2	1022759	1121464	1102107	1082110	4.83	cps
Thallium	203-1	2549470	2565722	2550292	2555161	0.36	cps
Thallium	205-1	5956824	5980582	6080198	6005868	1.09	cps
Tin	118-1	3054271	3111664	3130066	3098667	1.28	cps
Titanium	47-1	3615340	3612173	3653746	3627086	0.64	cps
Uranium	238-1	7554073	7627353	7612845	7598090	0.51	cps
Vanadium	51-2	663218	652778	654940	656979	0.84	cps
Yttrium	89-1	4094834	3635008	3624449	3784764	7.10	cps
Yttrium	89-2	180201	196129	192653	189661	4.42	cps
Zinc	66-2	308944	306478	308993	308138	0.47	cps

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	S7	Instrumnet Name :	P8
Client Sample ID :	S7	Dilution Factor :	1
Date & Time Acquired ::	2019-01-21 13:10:27	DataFile Name :	010CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	90-1	7110407	7249690	7278018	7212705	1.24	cps
Zirconium	91-1	1629116	1639444	1646510	1638357	0.53	cps

LB Number : LB100421 Operator : Jaswal
 Lab Sample ID : S8 Instrumnet Name : P8
 Client Sample ID : S8 Dilution Factor : 1
 Date & Time Acquired :: 2019-01-21 13:17:47 DataFile Name : 012CAL.S.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	827200	834024	828538	829921	0.44	cps
Antimony	121-1	4709	4851	4851	4804	1.70	cps
Arsenic	75-2	144	183	181	170	12.92	cps
Barium	135-1	475	600	475	517	13.97	cps
Barium	137-1	808	700	858	789	10.26	cps
Beryllium	9-1	73	103	73	83	20.79	cps
Bismuth	209-1	1490045	1488252	1463072	1480456	1.02	cps
Bismuth	209-2	666447	678519	664569	669845	1.13	cps
Boron	10-1	1150	1175	842	1056	17.59	cps
Boron	11-1	5460	4976	4985	5140	5.38	cps
Cadmium	111-1	530	585	594	569	6.11	cps
Cadmium	106-1	600	742	750	697	12.09	cps
Cadmium	108-1	4	25	21	17	66.13	cps
Calcium	43-1	7001576	7036506	6994766	7010949	0.32	cps
Calcium	44-1	112255595	113279852	114062785	113199411	0.80	cps
Chromium	52-2	9577	9483	9343	9468	1.24	cps
Cobalt	59-2	20222	20355	20038	20205	0.79	cps
Copper	63-2	4291	4201	4034	4175	3.12	cps
Dysprosium	156-1	58	58	50	56	8.67	cps
Dysprosium	156-2	7	13	7	9	43.25	cps
Erbium	164-1	8	42	25	25	66.68	cps
Erbium	164-2	0	0	0	0	0.00	cps
Gadolinium	160-1	58	50	17	42	52.91	cps
Gadolinium	160-2	10	17	30	19	53.91	cps
Holmium	165-1	2804788	2764431	2773012	2780744	0.76	cps
Holmium	165-2	1001728	1009150	984143	998341	1.29	cps
Indium	115-1	2764502	2801850	2779203	2781852	0.68	cps
Indium	115-2	222723	227189	220883	223598	1.45	cps
Iron	56-2	150933509	151322926	150285892	150847442	0.35	cps
Iron	57-2	3855230	3801416	3760012	3805552	1.25	cps
Krypton	83-1	600	543	640	594	8.17	cps
Lead	206-1	3089	2995	3162	3082	2.71	cps
Lead	207-1	2567	2656	2695	2639	2.48	cps
Lead	208-1	11580	11891	12308	11927	3.06	cps
Lithium	6-1	564724	564600	552336	560554	1.27	cps
Magnesium	24-2	17993747	18261235	18288536	18181173	0.90	cps

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	S8	Instrumnet Name :	P8
Client Sample ID :	S8	Dilution Factor :	1
Date & Time Acquired ::	2019-01-21 13:17:47	DataFile Name :	012CAL.S.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	2707	3087	2940	2911	6.58	cps
Molybdenum	94-1	2959	3042	3509	3170	9.35	cps
Molybdenum	95-1	4384	4559	4526	4490	2.07	cps
Molybdenum	96-1	5443	5326	5593	5454	2.45	cps
Molybdenum	97-1	2709	2892	2884	2828	3.66	cps
Molybdenum	98-1	7552	6860	6710	7041	6.38	cps
Neodymium	150-1	100	53	53	69	39.10	cps
Neodymium	150-2	3	7	20	10	88.20	cps
Nickel	60-2	6752	6959	6785	6832	1.62	cps
Phosphorus	31-2	8	8	17	11	43.34	cps
Potassium	39-2	5729483	5714195	5735753	5726477	0.19	cps
Rhodium	103-1	2718465	2719845	2688234	2708848	0.66	cps
Rhodium	103-2	1090803	1079677	1080206	1083562	0.58	cps
Scandium	45-1	2564249	2589544	2536948	2563581	1.03	cps
Scandium	45-2	35101	35505	35261	35289	0.58	cps
Selenium	77-2	0	10	0	3	173.21	cps
Selenium	78-2	2	4	4	3	34.64	cps
Selenium	82-1	-37	47	19	10	442.23	cps
Silicon	28-1	456842	464364	471788	464331	1.61	cps
Silver	109-1	600	633	733	656	10.59	cps
Silver	107-1	567	617	642	608	6.28	cps
Sodium	23-2	43236363	43374351	43380077	43330264	0.19	cps
Strontium	86-1	6293	5843	6152	6096	3.78	cps
Strontium	88-1	44532	45084	46138	45251	1.80	cps
Sulfur	34-1	376788	373657	373235	374560	0.52	cps
Terbium	159-1	3035830	3037592	2985160	3019527	0.99	cps
Terbium	159-2	1014364	1023090	1003063	1013506	0.99	cps
Thallium	203-1	408	325	350	361	11.84	cps
Thallium	205-1	908	817	900	875	5.79	cps
Tin	118-1	2700	2434	2434	2523	6.10	cps
Titanium	47-1	533	633	750	639	16.97	cps
Uranium	238-1	183	183	133	167	17.32	cps
Vanadium	51-2	177	113	147	146	21.76	cps
Yttrium	89-1	3438352	3435189	3414352	3429298	0.38	cps
Yttrium	89-2	192861	191725	191195	191927	0.44	cps
Zinc	66-2	2944	2870	2904	2906	1.26	cps

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	S8	Instrumnet Name :	P8
Client Sample ID :	S8	Dilution Factor :	1
Date & Time Acquired ::	2019-01-21 13:17:47	DataFile Name :	012CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	90-1	1759	1508	1475	1581	9.80	cps
Zirconium	91-1	442	417	333	397	14.28	cps

LB Number : LB100421 Operator : Jaswal
 Lab Sample ID : ICV01 Instrumnet Name : P8
 Client Sample ID : ICV01 Dilution Factor : 1
 Date & Time Acquired :: 2019-01-21 13:21:29 DataFile Name : 013ICV01.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	4459	4549	4432	4480	1.37	cps
Antimony	121-1	786397	797695	777590	787228	1.28	cps
Arsenic	75-2	22652	22657	22672	22661	0.05	cps
Barium	135-1	78224	79388	77997	78536	0.95	cps
Barium	137-1	135631	135724	133257	134871	1.04	cps
Beryllium	9-1	91626	89807	90503	90645	1.01	cps
Bismuth	209-1	1501424	1531016	1535048	1522496	1.21	cps
Bismuth	209-2	707343	688221	686080	693881	1.69	cps
Boron	10-1	508	567	583	553	7.12	cps
Boron	11-1	2684	2834	2584	2700	4.66	cps
Cadmium	111-1	95727	95667	93778	95057	1.17	cps
Cadmium	106-1	9012	9145	9904	9354	5.15	cps
Cadmium	108-1	6143	6093	6439	6225	3.00	cps
Calcium	43-1	29732	28930	28693	29118	1.87	cps
Calcium	44-1	504255	503900	504506	504220	0.06	cps
Chromium	52-2	88259	87028	87468	87585	0.71	cps
Cobalt	59-2	171639	170732	169669	170680	0.58	cps
Copper	63-2	142324	142707	141558	142196	0.41	cps
Dysprosium	156-1	8	8	8	8	0.00	cps
Dysprosium	156-2	0	0	0	0	0.00	cps
Erbium	164-1	25	42	58	42	40.00	cps
Erbium	164-2	10	13	17	13	25.01	cps
Gadolinium	160-1	17	17	0	11	86.60	cps
Gadolinium	160-2	0	7	0	2	173.21	cps
Holmium	165-1	2663605	2763997	2728059	2718554	1.87	cps
Holmium	165-2	1000164	975398	957082	977548	2.21	cps
Indium	115-1	2765489	2778757	2834559	2792935	1.31	cps
Indium	115-2	228404	223198	220566	224056	1.78	cps
Iron	56-2	616881	619034	611911	615942	0.59	cps
Iron	57-2	15053	15437	15409	15300	1.40	cps
Krypton	83-1	633	563	517	571	10.28	cps
Lead	206-1	342123	343700	341396	342407	0.34	cps
Lead	207-1	300155	298720	299411	299429	0.24	cps
Lead	208-1	1363937	1365509	1355945	1361797	0.38	cps
Lithium	6-1	553619	559904	561832	558451	0.77	cps
Magnesium	24-2	44287	43593	44111	43997	0.82	cps

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	ICV01	Instrumnet Name :	P8
Client Sample ID :	ICV01	Dilution Factor :	1
Date & Time Acquired ::	2019-01-21 13:21:29	DataFile Name :	013ICV01.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	26342	26565	27123	26677	1.51	cps
Molybdenum	94-1	183	250	308	247	25.30	cps
Molybdenum	95-1	158	242	250	217	23.39	cps
Molybdenum	96-1	300	250	292	281	9.55	cps
Molybdenum	97-1	217	142	67	142	52.94	cps
Molybdenum	98-1	208	358	283	283	26.47	cps
Neodymium	150-1	7	7	0	4	86.60	cps
Neodymium	150-2	0	0	0	0	0.00	cps
Nickel	60-2	50685	49631	50588	50302	1.16	cps
Phosphorus	31-2	8	8	8	8	0.00	cps
Potassium	39-2	53453	52767	51721	52647	1.66	cps
Rhodium	103-1	2852243	2962899	2994924	2936688	2.55	cps
Rhodium	103-2	1188824	1134696	1142606	1155375	2.53	cps
Scandium	45-1	2571481	2628220	2725132	2641611	2.94	cps
Scandium	45-2	36387	35415	35201	35668	1.77	cps
Selenium	77-2	180	160	183	174	7.24	cps
Selenium	78-2	661	593	604	619	5.94	cps
Selenium	82-1	14728	14557	14495	14594	0.83	cps
Silicon	28-1	321824	322516	319254	321198	0.54	cps
Silver	109-1	439549	435585	435822	436986	0.51	cps
Silver	107-1	461520	460312	463294	461709	0.32	cps
Sodium	23-2	199962	196301	192780	196347	1.83	cps
Strontium	86-1	4051	3634	3709	3798	5.85	cps
Strontium	88-1	24957	25692	24381	25010	2.63	cps
Sulfur	34-1	359153	357471	356473	357699	0.38	cps
Terbium	159-1	2923783	2971644	2953579	2949668	0.82	cps
Terbium	159-2	1028148	999535	982615	1003433	2.29	cps
Thallium	203-1	432832	432892	424445	430056	1.13	cps
Thallium	205-1	1022852	1022306	1016506	1020555	0.34	cps
Tin	118-1	292	300	217	269	17.03	cps
Titanium	47-1	117	108	133	119	10.66	cps
Uranium	238-1	200	167	233	200	16.67	cps
Vanadium	51-2	63761	64538	64310	64203	0.62	cps
Yttrium	89-1	3428823	3471082	3571407	3490437	2.10	cps
Yttrium	89-2	197653	187620	188275	191183	2.94	cps
Zinc	66-2	30971	30410	30457	30613	1.02	cps

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	ICV01	Instrumnet Name :	P8
Client Sample ID :	ICV01	Dilution Factor :	1
Date & Time Acquired ::	2019-01-21 13:21:29	DataFile Name :	013ICV01.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	90-1	283	250	333	289	14.52	cps
Zirconium	91-1	117	142	133	131	9.75	cps

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	LLICV01	Instrumnet Name :	P8
Client Sample ID :	LLICV01	Dilution Factor :	1
Date & Time Acquired ::	2019-01-21 13:25:08	DataFile Name :	014LLIC.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	208	230	248	228	8.78	cps
Antimony	121-1	7986	8887	8253	8375	5.52	cps
Arsenic	75-2	113	146	126	128	13.09	cps
Barium	135-1	8395	8286	8378	8353	0.70	cps
Barium	137-1	14383	14467	14250	14367	0.76	cps
Beryllium	9-1	987	880	930	932	5.73	cps
Bismuth	209-1	1511236	1490383	1471375	1490998	1.34	cps
Bismuth	209-2	710421	705459	712978	709619	0.54	cps
Boron	10-1	3451	3659	3401	3503	3.91	cps
Boron	11-1	17545	17687	18045	17759	1.45	cps
Cadmium	111-1	1503	1425	1374	1434	4.52	cps
Cadmium	106-1	1050	850	833	911	13.23	cps
Cadmium	108-1	129	58	67	85	45.70	cps
Calcium	43-1	7606	7289	7495	7463	2.16	cps
Calcium	44-1	159303	158733	157705	158581	0.51	cps
Chromium	52-2	3617	3567	3480	3555	1.95	cps
Cobalt	59-2	1964	1757	2030	1917	7.44	cps
Copper	63-2	3507	3220	3427	3385	4.37	cps
Dysprosium	156-1	0	0	0	0	0.00	cps
Dysprosium	156-2	0	0	0	0	0.00	cps
Erbium	164-1	8	33	8	17	86.62	cps
Erbium	164-2	10	3	0	4	114.60	cps
Gadolinium	160-1	0	33	17	17	99.99	cps
Gadolinium	160-2	7	3	3	4	43.40	cps
Holmium	165-1	2651251	2695459	2618819	2655176	1.45	cps
Holmium	165-2	995979	984133	989557	989890	0.60	cps
Indium	115-1	2792590	2745269	2771783	2769881	0.86	cps
Indium	115-2	230325	225552	224279	226719	1.41	cps
Iron	56-2	37741	37624	37556	37640	0.25	cps
Iron	57-2	1078	1033	1011	1041	3.26	cps
Krypton	83-1	613	640	570	608	5.81	cps
Lead	206-1	2111	1967	2089	2056	3.78	cps
Lead	207-1	1750	1761	1578	1696	6.06	cps
Lead	208-1	8018	8146	7779	7981	2.33	cps
Lithium	6-1	541126	533149	537257	537177	0.74	cps
Magnesium	24-2	18930	19589	19314	19278	1.72	cps

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	LLICV01	Instrumnet Name :	P8
Client Sample ID :	LLICV01	Dilution Factor :	1
Date & Time Acquired ::	2019-01-21 13:25:08	DataFile Name :	014LLIC.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	363	430	343	379	11.98	cps
Molybdenum	94-1	8895	8620	8120	8545	4.60	cps
Molybdenum	95-1	10454	10555	10830	10613	1.83	cps
Molybdenum	96-1	11430	11847	11280	11519	2.55	cps
Molybdenum	97-1	6402	6360	6127	6296	2.35	cps
Molybdenum	98-1	16027	16027	15785	15946	0.88	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	583	557	581	4.03	cps
Phosphorus	31-2	58	25	50	44	39.04	cps
Potassium	39-2	18621	17578	18046	18082	2.89	cps
Rhodium	103-1	2933272	2885276	2868150	2895566	1.17	cps
Rhodium	103-2	1192668	1168362	1169988	1177006	1.15	cps
Scandium	45-1	2635885	2601404	2588618	2608635	0.94	cps
Scandium	45-2	36865	36507	36240	36538	0.86	cps
Selenium	77-2	7	13	7	9	43.25	cps
Selenium	78-2	9	15	13	12	22.89	cps
Selenium	82-1	347	323	362	344	5.74	cps
Silicon	28-1	327434	329828	330231	329164	0.46	cps
Silver	109-1	4718	4901	4651	4757	2.72	cps
Silver	107-1	5285	5601	4809	5232	7.62	cps
Sodium	23-2	65208	64389	65033	64877	0.67	cps
Strontium	86-1	2217	2084	2034	2111	4.49	cps
Strontium	88-1	11430	10721	10921	11024	3.32	cps
Sulfur	34-1	363547	360707	360216	361490	0.50	cps
Terbium	159-1	2833127	2905596	2883103	2873942	1.29	cps
Terbium	159-2	1017930	1008804	1004630	1010455	0.67	cps
Thallium	203-1	1992	1992	2100	2028	3.08	cps
Thallium	205-1	4993	5001	5276	5090	3.17	cps
Tin	118-1	14216	13724	14025	13988	1.77	cps
Titanium	47-1	4076	3559	3951	3862	6.98	cps
Uranium	238-1	5743	5485	5543	5590	2.43	cps
Vanadium	51-2	3607	3277	3504	3463	4.88	cps
Yttrium	89-1	3461665	3398719	3442141	3434175	0.94	cps
Yttrium	89-2	197438	196876	193943	196086	0.96	cps
Zinc	66-2	387	440	467	431	9.45	cps

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	LLICV01	Instrumnet Name :	P8
Client Sample ID :	LLICV01	Dilution Factor :	1
Date & Time Acquired ::	2019-01-21 13:25:08	DataFile Name :	014LLIC.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	90-1	7219	7002	6669	6963	3.98	cps
Zirconium	91-1	1408	1375	1609	1464	8.62	cps

LB Number : LB100421 Operator : Jaswal
 Lab Sample ID : ICB01 Instrumnet Name : P8
 Client Sample ID : ICB01 Dilution Factor : 1
 Date & Time Acquired :: 2019-01-21 13:28:43 DataFile Name : 015CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	48	53	38	46	16.66	cps
Antimony	121-1	325	350	317	331	5.25	cps
Arsenic	75-2	7	13	11	10	26.93	cps
Barium	135-1	25	17	8	17	50.01	cps
Barium	137-1	42	42	8	31	62.99	cps
Beryllium	9-1	50	40	47	46	11.18	cps
Bismuth	209-1	1411717	1425765	1490153	1442545	2.90	cps
Bismuth	209-2	648581	681982	693870	674811	3.48	cps
Boron	10-1	450	475	508	478	6.12	cps
Boron	11-1	2234	2134	1875	2081	8.89	cps
Cadmium	111-1	478	480	622	526	15.74	cps
Cadmium	106-1	675	683	883	747	15.79	cps
Cadmium	108-1	17	4	13	11	57.27	cps
Calcium	43-1	267	240	300	269	11.18	cps
Calcium	44-1	41391	40980	40943	41104	0.61	cps
Chromium	52-2	1703	1843	1730	1759	4.23	cps
Cobalt	59-2	107	103	100	103	3.23	cps
Copper	63-2	487	447	440	458	5.51	cps
Dysprosium	156-1	17	8	8	11	43.34	cps
Dysprosium	156-2	3	0	0	1	173.21	cps
Erbium	164-1	8	8	33	17	86.62	cps
Erbium	164-2	0	0	3	1	173.21	cps
Gadolinium	160-1	33	25	33	31	15.74	cps
Gadolinium	160-2	7	13	0	7	99.98	cps
Holmium	165-1	2545139	2524671	2636460	2568756	2.32	cps
Holmium	165-2	908141	966621	976355	950373	3.88	cps
Indium	115-1	2599765	2618449	2820462	2679559	4.57	cps
Indium	115-2	208160	222014	223246	217807	3.85	cps
Iron	56-2	4562	4579	5955	5032	15.89	cps
Iron	57-2	117	161	150	143	16.22	cps
Krypton	83-1	567	627	510	568	10.28	cps
Lead	206-1	261	272	233	256	7.84	cps
Lead	207-1	189	267	244	233	17.17	cps
Lead	208-1	922	961	928	937	2.24	cps
Lithium	6-1	513933	518540	535785	522753	2.20	cps
Magnesium	24-2	517	308	508	444	26.54	cps

LB Number : LB100421 Operator : Jaswal
 Lab Sample ID : ICB01 Instrumnet Name : P8
 Client Sample ID : ICB01 Dilution Factor : 1
 Date & Time Acquired :: 2019-01-21 13:28:43 DataFile Name : 015CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	83	97	130	103	23.26	cps
Molybdenum	94-1	158	150	125	144	12.01	cps
Molybdenum	95-1	92	67	92	83	17.32	cps
Molybdenum	96-1	92	158	92	114	33.80	cps
Molybdenum	97-1	133	83	83	100	28.87	cps
Molybdenum	98-1	100	75	83	86	14.79	cps
Neodymium	150-1	7	0	20	9	114.55	cps
Neodymium	150-2	0	0	0	0	0.00	cps
Nickel	60-2	133	123	87	114	21.47	cps
Phosphorus	31-2	8	33	25	22	57.29	cps
Potassium	39-2	6468	6610	6010	6363	4.93	cps
Rhodium	103-1	2727772	2741089	2898127	2788996	3.40	cps
Rhodium	103-2	1086875	1154588	1157003	1132822	3.51	cps
Scandium	45-1	2462528	2509959	2603185	2525224	2.83	cps
Scandium	45-2	32949	35585	35826	34787	4.59	cps
Selenium	77-2	0	0	0	0	0.00	cps
Selenium	78-2	6	0	7	4	89.21	cps
Selenium	82-1	-52	-64	74	-14	-549.89	cps
Silicon	28-1	303564	304019	303950	303844	0.08	cps
Silver	109-1	175	250	217	214	17.57	cps
Silver	107-1	217	258	175	217	19.23	cps
Sodium	23-2	20165	20791	20566	20507	1.55	cps
Strontium	86-1	842	758	842	814	5.91	cps
Strontium	88-1	92	92	33	72	46.64	cps
Sulfur	34-1	368541	374025	374723	372429	0.91	cps
Terbium	159-1	2712532	2708963	2896200	2772565	3.86	cps
Terbium	159-2	932710	988748	1005729	975729	3.92	cps
Thallium	203-1	25	58	50	44	39.04	cps
Thallium	205-1	92	92	50	78	30.93	cps
Tin	118-1	167	183	217	189	13.48	cps
Titanium	47-1	108	75	67	83	26.46	cps
Uranium	238-1	8	17	17	14	34.67	cps
Vanadium	51-2	20	37	23	27	33.08	cps
Yttrium	89-1	3247031	3244808	3410118	3300652	2.87	cps
Yttrium	89-2	178399	189785	192040	186741	3.92	cps
Zinc	66-2	93	93	93	93	0.00	cps

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	ICB01	Instrumnet Name :	P8
Client Sample ID :	ICB01	Dilution Factor :	1
Date & Time Acquired ::	2019-01-21 13:28:43	DataFile Name :	015CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	90-1	200	275	200	225	19.24	cps
Zirconium	91-1	50	58	33	47	26.97	cps

LB Number : LB100421 Operator : Jaswal
 Lab Sample ID : ICSA01 Instrumnet Name : P8
 Client Sample ID : ICSA01 Dilution Factor : 1
 Date & Time Acquired :: 2019-01-21 13:32:18 DataFile Name : 016ICSA01.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	727742	712239	713655	717879	1.19	cps
Antimony	121-1	5185	5126	5501	5271	3.83	cps
Arsenic	75-2	54	46	70	57	21.71	cps
Barium	135-1	1483	1117	1242	1281	14.56	cps
Barium	137-1	2217	2375	1975	2189	9.20	cps
Beryllium	9-1	303	297	333	311	6.28	cps
Bismuth	209-1	1475696	1490006	1471927	1479209	0.64	cps
Bismuth	209-2	686484	674208	676976	679223	0.95	cps
Boron	10-1	483	392	433	436	10.52	cps
Boron	11-1	2109	2109	1925	2047	5.17	cps
Cadmium	111-1	874	920	847	881	4.21	cps
Cadmium	106-1	750	817	683	750	8.89	cps
Cadmium	108-1	567	621	521	569	8.79	cps
Calcium	43-1	1396157	1398522	1404250	1399643	0.30	cps
Calcium	44-1	22503147	22483209	22652401	22546252	0.41	cps
Chromium	52-2	20188	20352	20165	20235	0.50	cps
Cobalt	59-2	2057	1907	1954	1972	3.89	cps
Copper	63-2	12176	12072	12075	12108	0.49	cps
Dysprosium	156-1	33	0	8	14	124.91	cps
Dysprosium	156-2	0	3	7	3	100.05	cps
Erbium	164-1	8	0	25	11	114.58	cps
Erbium	164-2	7	20	13	13	49.99	cps
Gadolinium	160-1	58	50	17	42	52.91	cps
Gadolinium	160-2	3	10	10	8	49.52	cps
Holmium	165-1	2747636	2729183	2695403	2724074	0.97	cps
Holmium	165-2	988094	975299	975355	979583	0.75	cps
Indium	115-1	2732532	2752456	2729368	2738119	0.46	cps
Indium	115-2	219728	216360	216223	217437	0.91	cps
Iron	56-2	58199530	57723353	57871130	57931338	0.42	cps
Iron	57-2	1497551	1464978	1492073	1484867	1.17	cps
Krypton	83-1	577	580	610	589	3.12	cps
Lead	206-1	8776	8687	8592	8685	1.06	cps
Lead	207-1	6935	6924	6291	6717	5.50	cps
Lead	208-1	32322	32595	31600	32172	1.60	cps
Lithium	6-1	551183	551049	549651	550628	0.15	cps
Magnesium	24-2	3576934	3561418	3546280	3561544	0.43	cps

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	ICSA01	Instrumnet Name :	P8
Client Sample ID :	ICSA01	Dilution Factor :	1
Date & Time Acquired ::	2019-01-21 13:32:18	DataFile Name :	016ICSA01.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	2180	2097	2190	2156	2.38	cps
Molybdenum	94-1	2240520	2230123	2216081	2228908	0.55	cps
Molybdenum	95-1	3911786	3943140	3932603	3929176	0.41	cps
Molybdenum	96-1	4090789	4094163	4175556	4120169	1.16	cps
Molybdenum	97-1	2397772	2364731	2404033	2388845	0.88	cps
Molybdenum	98-1	6072647	6068401	6189635	6110227	1.13	cps
Neodymium	150-1	0	13	0	4	173.21	cps
Neodymium	150-2	7	0	7	4	86.60	cps
Nickel	60-2	2647	2474	2547	2556	3.41	cps
Phosphorus	31-2	66574	64833	63970	65126	2.04	cps
Potassium	39-2	2253413	2183800	2203062	2213425	1.62	cps
Rhodium	103-1	2726159	2800672	2732143	2752991	1.50	cps
Rhodium	103-2	1101814	1096628	1103024	1100488	0.31	cps
Scandium	45-1	2523038	2575357	2541723	2546706	1.04	cps
Scandium	45-2	34175	34720	34596	34497	0.83	cps
Selenium	77-2	0	3	0	1	173.21	cps
Selenium	78-2	2	0	4	2	100.00	cps
Selenium	82-1	12	-22	-75	-28	-155.57	cps
Silicon	28-1	431359	433618	430101	431693	0.41	cps
Silver	109-1	1534	1825	1700	1686	8.68	cps
Silver	107-1	2109	1959	1767	1945	8.81	cps
Sodium	23-2	8289963	8277041	8266991	8277998	0.14	cps
Strontium	86-1	43621	43119	44164	43635	1.20	cps
Strontium	88-1	363477	362844	360283	362201	0.47	cps
Sulfur	34-1	2061670	2067760	2058206	2062545	0.23	cps
Terbium	159-1	2964715	2988740	2971666	2975040	0.42	cps
Terbium	159-2	1004161	1000385	990379	998308	0.71	cps
Thallium	203-1	92	108	142	114	22.35	cps
Thallium	205-1	350	275	200	275	27.27	cps
Tin	118-1	725	542	550	606	17.10	cps
Titanium	47-1	1402702	1400271	1413918	1405630	0.52	cps
Uranium	238-1	258	142	125	175	41.51	cps
Vanadium	51-2	103	107	120	110	8.01	cps
Yttrium	89-1	3386856	3439817	3372951	3399875	1.04	cps
Yttrium	89-2	188173	187242	186397	187271	0.47	cps
Zinc	66-2	2224	2170	2360	2251	4.35	cps

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	ICSA01	Instrumnet Name :	P8
Client Sample ID :	ICSA01	Dilution Factor :	1
Date & Time Acquired ::	2019-01-21 13:32:18	DataFile Name :	016ICSA01.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	90-1	408	450	300	386	20.05	cps
Zirconium	91-1	75	100	133	103	28.48	cps

LB Number : LB100421 Operator : Jaswal
 Lab Sample ID : ICSAB01 Instrumnet Name : P8
 Client Sample ID : ICSAB01 Dilution Factor : 1
 Date & Time Acquired :: 2019-01-21 13:35:46 DataFile Name : 017ICSB.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	710454	703892	710524	708290	0.54	cps
Antimony	121-1	85482	86657	85457	85865	0.80	cps
Arsenic	75-2	2100	2211	2204	2172	2.86	cps
Barium	135-1	17145	17187	17103	17145	0.24	cps
Barium	137-1	30336	29317	31054	30236	2.89	cps
Beryllium	9-1	19286	19343	19029	19220	0.87	cps
Bismuth	209-1	1440981	1460666	1484029	1461892	1.47	cps
Bismuth	209-2	677887	685771	691416	685024	0.99	cps
Boron	10-1	7794	7311	7644	7583	3.26	cps
Boron	11-1	37542	37200	38845	37862	2.29	cps
Cadmium	111-1	19998	19874	20055	19975	0.46	cps
Cadmium	106-1	2700	3034	3334	3023	10.48	cps
Cadmium	108-1	1867	2038	2038	1981	4.98	cps
Calcium	43-1	1407688	1395257	1404923	1402622	0.47	cps
Calcium	44-1	22118546	22225085	22152292	22165308	0.25	cps
Chromium	52-2	35839	35826	35619	35761	0.35	cps
Cobalt	59-2	34820	34917	35392	35043	0.87	cps
Copper	63-2	38995	38911	39453	39120	0.75	cps
Dysprosium	156-1	8	17	0	8	100.02	cps
Dysprosium	156-2	7	0	3	3	100.05	cps
Erbium	164-1	50	17	33	33	50.00	cps
Erbium	164-2	3	7	7	6	34.70	cps
Gadolinium	160-1	58	50	8	39	68.89	cps
Gadolinium	160-2	3	3	10	6	69.34	cps
Holmium	165-1	2728448	2701558	2712989	2714332	0.50	cps
Holmium	165-2	986687	992823	994630	991380	0.42	cps
Indium	115-1	2680276	2733077	2666970	2693441	1.30	cps
Indium	115-2	215968	215111	215097	215392	0.23	cps
Iron	56-2	57082622	56950104	57252679	57095135	0.27	cps
Iron	57-2	1420421	1443174	1417969	1427188	0.97	cps
Krypton	83-1	533	530	597	553	6.79	cps
Lead	206-1	43832	43224	43859	43638	0.82	cps
Lead	207-1	37121	35985	36375	36494	1.58	cps
Lead	208-1	169159	167760	170258	169059	0.74	cps
Lithium	6-1	542310	543042	541145	542166	0.18	cps
Magnesium	24-2	3555016	3482098	3527806	3521640	1.05	cps

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	ICSAB01	Instrumnet Name :	P8
Client Sample ID :	ICSAB01	Dilution Factor :	1
Date & Time Acquired ::	2019-01-21 13:35:46	DataFile Name :	017ICSB.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	7142	7229	7475	7282	2.38	cps
Molybdenum	94-1	2424745	2387143	2379173	2397020	1.02	cps
Molybdenum	95-1	4006301	3996380	4010892	4004525	0.19	cps
Molybdenum	96-1	4196414	4233155	4229893	4219821	0.48	cps
Molybdenum	97-1	2414740	2401361	2422968	2413023	0.45	cps
Molybdenum	98-1	6245334	6190999	6217767	6218033	0.44	cps
Neodymium	150-1	33	7	20	20	66.65	cps
Neodymium	150-2	7	7	0	4	86.60	cps
Nickel	60-2	12149	11962	12206	12105	1.05	cps
Phosphorus	31-2	64355	64825	65143	64775	0.61	cps
Potassium	39-2	2157422	2161098	2157053	2158524	0.10	cps
Rhodium	103-1	2678864	2719028	2658097	2685330	1.15	cps
Rhodium	103-2	1095137	1106484	1106733	1102784	0.60	cps
Scandium	45-1	2472692	2454569	2476602	2467955	0.48	cps
Scandium	45-2	33884	33757	34419	34020	1.03	cps
Selenium	77-2	17	17	17	17	0.00	cps
Selenium	78-2	54	69	52	58	15.75	cps
Selenium	82-1	1346	1471	1392	1403	4.52	cps
Silicon	28-1	598496	598249	597182	597976	0.12	cps
Silver	109-1	85220	83283	83140	83881	1.39	cps
Silver	107-1	89353	90067	92239	90553	1.66	cps
Sodium	23-2	8252524	8200729	8194994	8216082	0.39	cps
Strontium	86-1	105717	106255	106144	106038	0.27	cps
Strontium	88-1	901041	902858	911518	905139	0.62	cps
Sulfur	34-1	2036609	2026556	2024746	2029304	0.31	cps
Terbium	159-1	2915114	2954174	2946771	2938686	0.71	cps
Terbium	159-2	1001149	1000820	1006981	1002983	0.35	cps
Thallium	203-1	44287	43242	43986	43838	1.23	cps
Thallium	205-1	104411	104949	105907	105089	0.72	cps
Tin	118-1	136953	136102	136154	136403	0.35	cps
Titanium	47-1	1404732	1410240	1412392	1409121	0.28	cps
Uranium	238-1	327743	330876	328071	328897	0.52	cps
Vanadium	51-2	12559	12709	12502	12590	0.85	cps
Yttrium	89-1	3280247	3314068	3295364	3296560	0.51	cps
Yttrium	89-2	182676	184964	186883	184841	1.14	cps
Zinc	66-2	5138	5024	5074	5079	1.12	cps

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	ICSAB01	Instrumnet Name :	P8
Client Sample ID :	ICSAB01	Dilution Factor :	1
Date & Time Acquired ::	2019-01-21 13:35:46	DataFile Name :	017ICSB.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	90-1	345871	343558	349453	346294	0.86	cps
Zirconium	91-1	77647	76448	77320	77138	0.80	cps

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	CCV50	Instrumnet Name :	P8
Client Sample ID :	CCV50	Dilution Factor :	1
Date & Time Acquired ::	2019-01-21 13:39:15	DataFile Name :	018CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	432148	429964	430980	431031	0.25	cps
Antimony	121-1	2116542	2182325	2130516	2143128	1.62	cps
Arsenic	75-2	58159	58224	58313	58232	0.13	cps
Barium	135-1	2056416	2103926	2097415	2085919	1.23	cps
Barium	137-1	3591122	3659868	3593479	3614823	1.08	cps
Beryllium	9-1	483035	487667	481604	484102	0.65	cps
Bismuth	209-1	1457237	1457344	1489336	1467972	1.26	cps
Bismuth	209-2	664614	668101	668103	666939	0.30	cps
Boron	10-1	67233	70440	69628	69100	2.41	cps
Boron	11-1	338250	344830	347506	343528	1.39	cps
Cadmium	111-1	475190	479691	475072	476651	0.55	cps
Cadmium	106-1	49659	50789	50304	50250	1.13	cps
Cadmium	108-1	35300	34123	34641	34688	1.70	cps
Calcium	43-1	3475020	3494132	3495056	3488070	0.32	cps
Calcium	44-1	56154369	56092164	56090308	56112280	0.06	cps
Chromium	52-2	452502	454048	450395	452315	0.41	cps
Cobalt	59-2	845550	848860	846686	847032	0.20	cps
Copper	63-2	1372468	1361877	1350498	1361614	0.81	cps
Dysprosium	156-1	50	42	42	44	10.82	cps
Dysprosium	156-2	7	7	7	7	0.00	cps
Erbium	164-1	25	67	42	44	47.19	cps
Erbium	164-2	10	13	3	9	57.30	cps
Gadolinium	160-1	33	75	67	58	37.79	cps
Gadolinium	160-2	10	7	7	8	24.71	cps
Holmium	165-1	2758643	2686077	2776462	2740394	1.75	cps
Holmium	165-2	979856	970523	970109	973496	0.57	cps
Indium	115-1	2682930	2675178	2721851	2693320	0.93	cps
Indium	115-2	209062	210992	208296	209450	0.66	cps
Iron	56-2	74019141	73816024	73707721	73847629	0.21	cps
Iron	57-2	1869254	1870503	1881887	1873881	0.37	cps
Krypton	83-1	580	563	537	560	3.90	cps
Lead	206-1	868007	872633	863490	868043	0.53	cps
Lead	207-1	794140	791784	784287	790070	0.65	cps
Lead	208-1	3638312	3615765	3593727	3615934	0.62	cps
Lithium	6-1	538717	540818	552645	544060	1.38	cps
Magnesium	24-2	9026964	9005071	8975913	9002649	0.28	cps

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	CCV50	Instrumnet Name :	P8
Client Sample ID :	CCV50	Dilution Factor :	1
Date & Time Acquired ::	2019-01-21 13:39:15	DataFile Name :	018CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	273656	272943	273282	273294	0.13	cps
Molybdenum	94-1	4133044	4230270	4179215	4180843	1.16	cps
Molybdenum	95-1	5087796	5214016	5158414	5153409	1.23	cps
Molybdenum	96-1	5607469	5621538	5588630	5605879	0.29	cps
Molybdenum	97-1	3101242	3154982	3106374	3120866	0.95	cps
Molybdenum	98-1	7976004	8089044	7931268	7998772	1.02	cps
Neodymium	150-1	100	60	100	87	26.65	cps
Neodymium	150-2	7	10	13	10	33.30	cps
Nickel	60-2	247985	248670	246005	247554	0.56	cps
Phosphorus	31-2	7544	6760	7211	7172	5.49	cps
Potassium	39-2	2845368	2864530	2804106	2838001	1.09	cps
Rhodium	103-1	2708332	2693115	2735783	2712410	0.80	cps
Rhodium	103-2	1083453	1088100	1067791	1079781	0.99	cps
Scandium	45-1	2531732	2515322	2594596	2547217	1.64	cps
Scandium	45-2	34362	34767	35197	34775	1.20	cps
Selenium	77-2	457	397	400	418	8.07	cps
Selenium	78-2	1467	1383	1522	1457	4.80	cps
Selenium	82-1	35676	36710	35929	36105	1.49	cps
Silicon	28-1	1928445	1945228	1939378	1937684	0.44	cps
Silver	109-1	2287762	2267360	2272281	2275801	0.47	cps
Silver	107-1	2366719	2386010	2413513	2388747	0.98	cps
Sodium	23-2	21247178	21169312	21049461	21155317	0.47	cps
Strontium	86-1	643130	656044	632612	643929	1.82	cps
Strontium	88-1	5633546	5644357	5569224	5615709	0.72	cps
Sulfur	34-1	628609	628213	630321	629048	0.18	cps
Terbium	159-1	2936450	2934732	2985832	2952338	0.98	cps
Terbium	159-2	990594	989677	987110	989127	0.18	cps
Thallium	203-1	1086080	1087374	1089767	1087740	0.17	cps
Thallium	205-1	2688836	2656595	2663546	2669659	0.64	cps
Tin	118-1	1405350	1415325	1398479	1406385	0.60	cps
Titanium	47-1	1771276	1796498	1825512	1797762	1.51	cps
Uranium	238-1	3306359	3367140	3337725	3337075	0.91	cps
Vanadium	51-2	330017	333675	332078	331923	0.55	cps
Yttrium	89-1	3369000	3362240	3461210	3397483	1.63	cps
Yttrium	89-2	185352	186752	186274	186126	0.38	cps
Zinc	66-2	149799	151049	150173	150340	0.43	cps

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	CCV50	Instrumnet Name :	P8
Client Sample ID :	CCV50	Dilution Factor :	1
Date & Time Acquired ::	2019-01-21 13:39:15	DataFile Name :	018CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	90-1	3468144	3527965	3527797	3507968	0.98	cps
Zirconium	91-1	757537	764466	763832	761945	0.50	cps

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	CCB50	Instrumnet Name :	P8
Client Sample ID :	CCB50	Dilution Factor :	1
Date & Time Acquired ::	2019-01-21 13:44:48	DataFile Name :	019CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	80	75	53	69	21.18	cps
Antimony	121-1	458	650	767	625	24.91	cps
Arsenic	75-2	9	9	17	12	36.47	cps
Barium	135-1	25	0	50	25	100.00	cps
Barium	137-1	58	83	108	83	30.00	cps
Beryllium	9-1	43	37	57	46	22.36	cps
Bismuth	209-1	1544231	1560662	1541844	1548913	0.66	cps
Bismuth	209-2	716213	711961	712171	713448	0.34	cps
Boron	10-1	525	442	483	483	8.62	cps
Boron	11-1	2275	2500	2400	2392	4.71	cps
Cadmium	111-1	418	565	417	467	18.17	cps
Cadmium	106-1	617	775	575	656	16.10	cps
Cadmium	108-1	25	4	21	17	66.13	cps
Calcium	43-1	243	307	293	281	11.88	cps
Calcium	44-1	41314	40652	40833	40933	0.84	cps
Chromium	52-2	1747	1833	1800	1793	2.44	cps
Cobalt	59-2	133	110	87	110	21.21	cps
Copper	63-2	650	600	607	619	4.39	cps
Dysprosium	156-1	0	8	42	17	132.30	cps
Dysprosium	156-2	0	0	3	1	173.21	cps
Erbium	164-1	33	33	0	22	86.60	cps
Erbium	164-2	3	3	3	3	0.00	cps
Gadolinium	160-1	25	8	33	22	57.29	cps
Gadolinium	160-2	7	3	0	3	100.05	cps
Holmium	165-1	2722727	2777130	2710963	2736940	1.29	cps
Holmium	165-2	988174	988548	983770	986831	0.27	cps
Indium	115-1	2782438	2843259	2728426	2784708	2.06	cps
Indium	115-2	220788	223045	218446	220759	1.04	cps
Iron	56-2	5473	5774	5362	5536	3.84	cps
Iron	57-2	217	194	139	183	21.85	cps
Krypton	83-1	547	607	523	559	7.69	cps
Lead	206-1	500	461	439	467	6.63	cps
Lead	207-1	456	422	322	400	17.35	cps
Lead	208-1	1989	1833	1745	1856	6.67	cps
Lithium	6-1	557071	560639	552577	556762	0.73	cps
Magnesium	24-2	425	583	525	511	15.67	cps

LB Number : LB100421 Operator : Jaswal
 Lab Sample ID : CCB50 Instrumnet Name : P8
 Client Sample ID : CCB50 Dilution Factor : 1
 Date & Time Acquired :: 2019-01-21 13:44:48 DataFile Name : 019CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	100	67	100	89	21.65	cps
Molybdenum	94-1	267	292	425	328	25.97	cps
Molybdenum	95-1	267	317	317	300	9.62	cps
Molybdenum	96-1	275	292	392	319	19.75	cps
Molybdenum	97-1	258	300	283	281	7.48	cps
Molybdenum	98-1	667	633	633	644	2.98	cps
Neodymium	150-1	7	0	0	2	173.21	cps
Neodymium	150-2	0	0	0	0	0.00	cps
Nickel	60-2	120	117	87	108	17.03	cps
Phosphorus	31-2	0	8	0	3	173.21	cps
Potassium	39-2	6277	6977	6468	6574	5.51	cps
Rhodium	103-1	2883960	2942928	2887123	2904670	1.14	cps
Rhodium	103-2	1166289	1161145	1154761	1160732	0.50	cps
Scandium	45-1	2528800	2571248	2537675	2545908	0.88	cps
Scandium	45-2	34990	34015	34108	34371	1.57	cps
Selenium	77-2	3	7	0	3	100.05	cps
Selenium	78-2	0	2	7	3	124.95	cps
Selenium	82-1	5	-38	9	-8	-327.46	cps
Silicon	28-1	309449	310410	307821	309227	0.42	cps
Silver	109-1	317	367	242	308	20.41	cps
Silver	107-1	300	358	367	342	10.63	cps
Sodium	23-2	21492	21892	21767	21717	0.94	cps
Strontium	86-1	867	800	867	845	4.56	cps
Strontium	88-1	100	108	192	133	38.02	cps
Sulfur	34-1	381159	382676	384384	382740	0.42	cps
Terbium	159-1	2946815	2983728	2946011	2958851	0.73	cps
Terbium	159-2	1007263	1009207	1006120	1007530	0.15	cps
Thallium	203-1	75	125	125	108	26.65	cps
Thallium	205-1	142	258	258	219	30.69	cps
Tin	118-1	233	350	292	292	20.00	cps
Titanium	47-1	150	183	150	161	11.94	cps
Uranium	238-1	92	92	75	86	11.18	cps
Vanadium	51-2	20	30	33	28	24.98	cps
Yttrium	89-1	3411806	3427337	3392171	3410438	0.52	cps
Yttrium	89-2	188325	188062	189746	188711	0.48	cps
Zinc	66-2	77	80	100	86	14.75	cps

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	CCB50	Instrumnet Name :	P8
Client Sample ID :	CCB50	Dilution Factor :	1
Date & Time Acquired ::	2019-01-21 13:44:48	DataFile Name :	019CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	90-1	275	250	333	286	14.94	cps
Zirconium	91-1	50	58	117	75	48.44	cps

LB Number : LB100421 Operator : Jaswal
 Lab Sample ID : CRI Instrumnet Name : P8
 Client Sample ID : CRI Dilution Factor : 1
 Date & Time Acquired :: 2019-01-21 13:48:23 DataFile Name : 020LLCC.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	213	168	208	196	12.59	cps
Antimony	121-1	8003	8053	7678	7911	2.58	cps
Arsenic	75-2	113	124	122	120	4.97	cps
Barium	135-1	7828	7844	8195	7955	2.60	cps
Barium	137-1	12898	13633	12940	13157	3.13	cps
Beryllium	9-1	927	940	907	924	1.82	cps
Bismuth	209-1	1543012	1531436	1568091	1547513	1.21	cps
Bismuth	209-2	697532	704736	706344	702871	0.67	cps
Boron	10-1	3434	3017	3267	3239	6.48	cps
Boron	11-1	16618	17511	17236	17122	2.67	cps
Cadmium	111-1	1388	1351	1655	1465	11.32	cps
Cadmium	106-1	742	875	1025	881	16.10	cps
Cadmium	108-1	50	100	83	78	32.73	cps
Calcium	43-1	6868	7092	6965	6975	1.61	cps
Calcium	44-1	149446	149517	149440	149468	0.03	cps
Chromium	52-2	3594	3450	3727	3591	3.85	cps
Cobalt	59-2	1887	1707	1753	1782	5.24	cps
Copper	63-2	3150	3150	3237	3179	1.57	cps
Dysprosium	156-1	17	17	17	17	0.00	cps
Dysprosium	156-2	0	0	0	0	0.00	cps
Erbium	164-1	33	8	8	17	86.62	cps
Erbium	164-2	3	0	3	2	86.60	cps
Gadolinium	160-1	50	33	25	36	35.25	cps
Gadolinium	160-2	0	0	7	2	173.21	cps
Holmium	165-1	2748749	2731754	2822251	2767584	1.74	cps
Holmium	165-2	967646	993544	976143	979111	1.35	cps
Indium	115-1	2771889	2778407	2835458	2795251	1.25	cps
Indium	115-2	218842	223328	220499	220890	1.03	cps
Iron	56-2	35724	35518	35139	35460	0.84	cps
Iron	57-2	878	822	1078	926	14.52	cps
Krypton	83-1	547	557	530	544	2.47	cps
Lead	206-1	2189	1950	1884	2008	8.00	cps
Lead	207-1	1828	1656	1756	1746	4.95	cps
Lead	208-1	8201	7718	7979	7966	3.04	cps
Lithium	6-1	546024	546373	551916	548104	0.60	cps
Magnesium	24-2	18596	17979	18488	18354	1.80	cps

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	CRI	Instrumnet Name :	P8
Client Sample ID :	CRI	Dilution Factor :	1
Date & Time Acquired ::	2019-01-21 13:48:23	DataFile Name :	020LLCC.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	347	350	360	352	1.97	cps
Molybdenum	94-1	8311	8361	7803	8158	3.79	cps
Molybdenum	95-1	9420	9946	9620	9662	2.74	cps
Molybdenum	96-1	10930	10521	11105	10852	2.76	cps
Molybdenum	97-1	6085	6127	6077	6096	0.44	cps
Molybdenum	98-1	16035	15643	14700	15459	4.44	cps
Neodymium	150-1	0	13	7	7	99.98	cps
Neodymium	150-2	0	0	0	0	0.00	cps
Nickel	60-2	533	580	567	560	4.29	cps
Phosphorus	31-2	33	17	58	36	58.08	cps
Potassium	39-2	16527	16894	16335	16585	1.71	cps
Rhodium	103-1	2883409	2837377	2920612	2880466	1.45	cps
Rhodium	103-2	1144250	1151648	1151633	1149177	0.37	cps
Scandium	45-1	2547537	2547718	2582935	2559397	0.80	cps
Scandium	45-2	34088	35622	34182	34631	2.48	cps
Selenium	77-2	13	13	3	10	57.75	cps
Selenium	78-2	15	17	15	15	6.96	cps
Selenium	82-1	330	411	374	372	10.96	cps
Silicon	28-1	336874	336673	336959	336835	0.04	cps
Silver	109-1	4426	4584	3959	4323	7.52	cps
Silver	107-1	5143	5368	5009	5173	3.50	cps
Sodium	23-2	60706	59534	59718	59986	1.05	cps
Strontium	86-1	2000	1942	1909	1950	2.38	cps
Strontium	88-1	10454	10196	10521	10391	1.65	cps
Sulfur	34-1	389592	386257	387703	387851	0.43	cps
Terbium	159-1	2967755	2954064	3054170	2991996	1.81	cps
Terbium	159-2	999095	1009296	1001575	1003322	0.53	cps
Thallium	203-1	2375	2117	2367	2286	6.42	cps
Thallium	205-1	5251	5043	5260	5185	2.37	cps
Tin	118-1	13182	13849	13716	13582	2.60	cps
Titanium	47-1	3467	3167	3159	3264	5.38	cps
Uranium	238-1	5885	5935	5702	5841	2.10	cps
Vanadium	51-2	3177	3244	3417	3279	3.78	cps
Yttrium	89-1	3392222	3399922	3450852	3414332	0.93	cps
Yttrium	89-2	186045	187795	186937	186926	0.47	cps
Zinc	66-2	367	347	397	370	6.80	cps

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	CRI	Instrumnet Name :	P8
Client Sample ID :	CRI	Dilution Factor :	1
Date & Time Acquired ::	2019-01-21 13:48:23	DataFile Name :	020LLCC.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	90-1	6519	6627	6644	6596	1.03	cps
Zirconium	91-1	1492	1333	1750	1525	13.79	cps

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	K1089-02	Instrumnet Name :	P8
Client Sample ID :	D-01082019-01-FF	Dilution Factor :	1
Date & Time Acquired ::	2019-01-21 13:51:58	DataFile Name :	021SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	98	90	95	94	4.06	cps
Antimony	121-1	483	483	600	522	12.90	cps
Arsenic	75-2	81	76	69	75	8.63	cps
Barium	135-1	145567	144127	143730	144475	0.67	cps
Barium	137-1	245871	248975	250950	248599	1.03	cps
Beryllium	9-1	47	37	33	39	17.85	cps
Bismuth	209-1	1461073	1475637	1396678	1444463	2.91	cps
Bismuth	209-2	667562	686240	697330	683711	2.20	cps
Boron	10-1	6652	6952	7494	7033	6.07	cps
Boron	11-1	34551	34467	36113	35044	2.65	cps
Cadmium	111-1	684	762	664	703	7.37	cps
Cadmium	106-1	650	717	650	672	5.73	cps
Cadmium	108-1	13	21	17	17	24.99	cps
Calcium	43-1	1353055	1366474	1380492	1366674	1.00	cps
Calcium	44-1	21844742	21793537	22039141	21892473	0.59	cps
Chromium	52-2	2176559	2188597	2204600	2189919	0.64	cps
Cobalt	59-2	687	687	730	701	3.57	cps
Copper	63-2	2260	2230	2237	2242	0.70	cps
Dysprosium	156-1	50	42	8	33	66.15	cps
Dysprosium	156-2	3	10	10	8	49.52	cps
Erbium	164-1	50	67	42	53	24.12	cps
Erbium	164-2	23	13	13	17	34.65	cps
Gadolinium	160-1	25	92	58	58	57.14	cps
Gadolinium	160-2	13	13	17	14	13.35	cps
Holmium	165-1	2662960	2709650	2547298	2639969	3.17	cps
Holmium	165-2	952537	973809	991661	972669	2.01	cps
Indium	115-1	2683221	2662683	2599515	2648473	1.65	cps
Indium	115-2	210668	217678	224109	217485	3.09	cps
Iron	56-2	5724	5712	5612	5683	1.08	cps
Iron	57-2	206	133	144	161	24.14	cps
Krypton	83-1	487	580	527	531	8.82	cps
Lead	206-1	528	406	400	444	16.25	cps
Lead	207-1	311	333	244	296	15.61	cps
Lead	208-1	1622	1589	1400	1537	7.80	cps
Lithium	6-1	522518	524698	506911	518042	1.87	cps
Magnesium	24-2	664254	661119	657101	660825	0.54	cps

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	K1089-02	Instrumnet Name :	P8
Client Sample ID :	D-01082019-01-FF	Dilution Factor :	1
Date & Time Acquired ::	2019-01-21 13:51:58	DataFile Name :	021SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	125266	123688	123369	124108	0.82	cps
Molybdenum	94-1	617	783	883	761	17.70	cps
Molybdenum	95-1	908	958	1083	983	9.17	cps
Molybdenum	96-1	1017	1117	1183	1106	7.59	cps
Molybdenum	97-1	567	625	733	642	13.18	cps
Molybdenum	98-1	1542	1483	1583	1536	3.27	cps
Neodymium	150-1	20	33	47	33	40.01	cps
Neodymium	150-2	0	7	0	2	173.21	cps
Nickel	60-2	980	920	927	942	3.49	cps
Phosphorus	31-2	8	17	17	14	34.67	cps
Potassium	39-2	39624	40384	39515	39841	1.19	cps
Rhodium	103-1	2740516	2728674	2591012	2686734	3.09	cps
Rhodium	103-2	1089637	1114477	1147051	1117055	2.58	cps
Scandium	45-1	2506447	2514786	2389595	2470276	2.83	cps
Scandium	45-2	33624	34619	34723	34322	1.77	cps
Selenium	77-2	0	0	0	0	0.00	cps
Selenium	78-2	7	13	9	10	28.61	cps
Selenium	82-1	205	146	151	167	19.45	cps
Silicon	28-1	20134404	20214977	20510797	20286726	0.98	cps
Silver	109-1	392	567	467	475	18.48	cps
Silver	107-1	408	558	508	492	15.53	cps
Sodium	23-2	6580482	6581949	6642226	6601552	0.53	cps
Strontium	86-1	188130	189387	191070	189529	0.78	cps
Strontium	88-1	1690845	1670644	1681713	1681067	0.60	cps
Sulfur	34-1	572860	568746	568206	569938	0.45	cps
Terbium	159-1	2891893	2870777	2731247	2831306	3.08	cps
Terbium	159-2	973056	990756	1023578	995797	2.57	cps
Thallium	203-1	33	17	33	28	34.63	cps
Thallium	205-1	83	75	125	94	28.37	cps
Tin	118-1	300	342	367	336	10.02	cps
Titanium	47-1	217	325	383	308	27.43	cps
Uranium	238-1	2492	2525	2092	2370	10.18	cps
Vanadium	51-2	673	713	590	659	9.55	cps
Yttrium	89-1	3340847	3324942	3187976	3284588	2.56	cps
Yttrium	89-2	180478	186747	190249	185825	2.66	cps
Zinc	66-2	1383	1423	1447	1418	2.26	cps

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	K1089-02	Instrumnet Name :	P8
Client Sample ID :	D-01082019-01-FF	Dilution Factor :	1
Date & Time Acquired ::	2019-01-21 13:51:58	DataFile Name :	021SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	90-1	500	467	475	481	3.61	cps
Zirconium	91-1	133	75	58	89	44.30	cps

LB Number : LB100421 Operator : Jaswal
 Lab Sample ID : K1089-02DUP Instrumnet Name : P8
 Client Sample ID : D-01082019-01-FFDUP Dilution Factor : 1
 Date & Time Acquired :: 2019-01-21 13:55:30 DataFile Name : 022SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	123	108	93	108	13.95	cps
Antimony	121-1	400	567	417	461	19.91	cps
Arsenic	75-2	70	74	70	72	2.99	cps
Barium	135-1	147160	144902	144616	145559	0.96	cps
Barium	137-1	250446	252055	248421	250307	0.73	cps
Beryllium	9-1	53	17	43	38	50.16	cps
Bismuth	209-1	1442707	1471293	1477618	1463872	1.27	cps
Bismuth	209-2	666899	673349	666487	668912	0.58	cps
Boron	10-1	6927	6860	7227	7005	2.79	cps
Boron	11-1	33390	35278	36732	35133	4.77	cps
Cadmium	111-1	729	672	606	669	9.20	cps
Cadmium	106-1	800	675	625	700	12.88	cps
Cadmium	108-1	21	25	33	26	24.12	cps
Calcium	43-1	1370881	1373243	1348491	1364205	1.00	cps
Calcium	44-1	21845701	21873332	21998539	21905857	0.37	cps
Chromium	52-2	2170214	2203572	2192360	2188715	0.78	cps
Cobalt	59-2	707	780	700	729	6.09	cps
Copper	63-2	2397	2304	2390	2364	2.20	cps
Dysprosium	156-1	17	8	8	11	43.34	cps
Dysprosium	156-2	13	7	7	9	43.25	cps
Erbium	164-1	67	50	33	50	33.34	cps
Erbium	164-2	30	23	13	22	37.76	cps
Gadolinium	160-1	92	50	50	64	37.66	cps
Gadolinium	160-2	7	17	20	14	48.02	cps
Holmium	165-1	2653277	2706268	2666900	2675481	1.03	cps
Holmium	165-2	959324	961811	954611	958582	0.38	cps
Indium	115-1	2641067	2738191	2713148	2697469	1.87	cps
Indium	115-2	211144	212940	211739	211941	0.43	cps
Iron	56-2	6380	5562	5651	5865	7.65	cps
Iron	57-2	150	211	156	172	19.62	cps
Krypton	83-1	593	520	557	557	6.59	cps
Lead	206-1	372	328	322	341	8.04	cps
Lead	207-1	306	289	294	296	2.86	cps
Lead	208-1	1406	1222	1289	1306	7.11	cps
Lithium	6-1	523871	535051	527616	528846	1.08	cps
Magnesium	24-2	650113	659085	653516	654238	0.69	cps

LB Number : LB100421 Operator : Jaswal
 Lab Sample ID : K1089-02DUP Instrumnet Name : P8
 Client Sample ID : D-01082019-01-FFDUP Dilution Factor : 1
 Date & Time Acquired :: 2019-01-21 13:55:30 DataFile Name : 022SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	124160	123362	123974	123832	0.34	cps
Molybdenum	94-1	725	775	792	764	4.54	cps
Molybdenum	95-1	983	958	908	950	4.02	cps
Molybdenum	96-1	900	1233	1217	1117	16.82	cps
Molybdenum	97-1	625	708	742	692	8.69	cps
Molybdenum	98-1	1467	1534	1542	1514	2.72	cps
Neodymium	150-1	20	13	20	18	21.66	cps
Neodymium	150-2	3	3	0	2	86.60	cps
Nickel	60-2	930	960	877	922	4.58	cps
Phosphorus	31-2	17	8	8	11	43.34	cps
Potassium	39-2	39181	40660	38754	39532	2.53	cps
Rhodium	103-1	2712130	2756550	2714879	2727853	0.91	cps
Rhodium	103-2	1085844	1094498	1091150	1090497	0.40	cps
Scandium	45-1	2439319	2538185	2510478	2495994	2.04	cps
Scandium	45-2	33293	33513	33968	33591	1.02	cps
Selenium	77-2	0	3	0	1	173.21	cps
Selenium	78-2	6	4	9	6	45.85	cps
Selenium	82-1	121	159	159	147	14.85	cps
Silicon	28-1	20270060	20330330	20221687	20274026	0.27	cps
Silver	109-1	342	350	367	353	3.61	cps
Silver	107-1	492	392	425	436	11.68	cps
Sodium	23-2	6505418	6632309	6546976	6561568	0.99	cps
Strontium	86-1	189204	190946	191729	190626	0.68	cps
Strontium	88-1	1662614	1700504	1697254	1686791	1.25	cps
Sulfur	34-1	583576	584916	573191	580561	1.11	cps
Terbium	159-1	2824028	2924245	2856843	2868372	1.78	cps
Terbium	159-2	964971	980398	963665	969678	0.96	cps
Thallium	203-1	8	50	58	39	68.89	cps
Thallium	205-1	92	75	58	75	22.22	cps
Tin	118-1	258	325	308	297	11.67	cps
Titanium	47-1	317	308	267	297	9.01	cps
Uranium	238-1	2325	2492	2417	2411	3.46	cps
Vanadium	51-2	763	720	690	724	5.09	cps
Yttrium	89-1	3223577	3352337	3309299	3295071	1.99	cps
Yttrium	89-2	183809	184170	181964	183314	0.65	cps
Zinc	66-2	1353	1460	1567	1460	7.31	cps

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	K1089-02DUP	Instrumnet Name :	P8
Client Sample ID :	D-01082019-01-FFDUP	Dilution Factor :	1
Date & Time Acquired ::	2019-01-21 13:55:30	DataFile Name :	022SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	90-1	392	425	433	417	5.29	cps
Zirconium	91-1	92	100	83	92	9.09	cps

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	K1089-02LX5	Instrumnet Name :	P8
Client Sample ID :	D-01082019-01-FFL	Dilution Factor :	5
Date & Time Acquired ::	2019-01-21 13:59:01	DataFile Name :	023SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	75	50	55	60	22.05	cps
Antimony	121-1	175	167	133	158	13.93	cps
Arsenic	75-2	28	28	26	27	3.93	cps
Barium	135-1	30185	29935	29693	29938	0.82	cps
Barium	137-1	52304	51870	51451	51875	0.82	cps
Beryllium	9-1	40	37	30	36	14.32	cps
Bismuth	209-1	1594529	1575389	1562357	1577425	1.03	cps
Bismuth	209-2	728377	721120	735222	728240	0.97	cps
Boron	10-1	1792	1809	1925	1842	3.94	cps
Boron	11-1	7927	8319	8403	8217	3.09	cps
Cadmium	111-1	627	678	582	629	7.66	cps
Cadmium	106-1	808	900	725	811	10.79	cps
Cadmium	108-1	8	8	13	10	24.77	cps
Calcium	43-1	281410	279681	280637	280576	0.31	cps
Calcium	44-1	4620788	4620667	4529396	4590284	1.15	cps
Chromium	52-2	444781	440969	442756	442835	0.43	cps
Cobalt	59-2	220	223	313	252	20.99	cps
Copper	63-2	967	800	943	903	9.99	cps
Dysprosium	156-1	17	25	8	17	50.01	cps
Dysprosium	156-2	3	3	3	3	0.00	cps
Erbium	164-1	17	50	25	31	56.77	cps
Erbium	164-2	0	0	7	2	173.21	cps
Gadolinium	160-1	25	42	25	31	31.50	cps
Gadolinium	160-2	3	0	3	2	86.60	cps
Holmium	165-1	2886582	2841160	2838356	2855366	0.95	cps
Holmium	165-2	1011714	1009710	1028745	1016723	1.03	cps
Indium	115-1	2923369	2850998	2852267	2875545	1.44	cps
Indium	115-2	225326	225667	228053	226349	0.66	cps
Iron	56-2	4390	4434	4529	4451	1.59	cps
Iron	57-2	117	117	117	117	0.00	cps
Krypton	83-1	557	580	573	570	2.11	cps
Lead	206-1	244	189	283	239	19.87	cps
Lead	207-1	211	217	172	200	12.11	cps
Lead	208-1	944	961	972	959	1.46	cps
Lithium	6-1	563782	569201	563143	565376	0.59	cps
Magnesium	24-2	139606	136542	135802	137317	1.47	cps

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	K1089-02LX5	Instrumnet Name :	P8
Client Sample ID :	D-01082019-01-FFL	Dilution Factor :	5
Date & Time Acquired ::	2019-01-21 13:59:01	DataFile Name :	023SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	25493	26081	25306	25627	1.58	cps
Molybdenum	94-1	258	225	200	228	12.85	cps
Molybdenum	95-1	275	250	233	253	8.30	cps
Molybdenum	96-1	233	233	342	269	23.21	cps
Molybdenum	97-1	225	158	142	175	25.20	cps
Molybdenum	98-1	433	325	392	383	14.25	cps
Neodymium	150-1	0	7	27	11	124.89	cps
Neodymium	150-2	3	0	3	2	86.60	cps
Nickel	60-2	287	267	273	276	3.70	cps
Phosphorus	31-2	8	8	25	14	69.31	cps
Potassium	39-2	13115	13474	13215	13268	1.39	cps
Rhodium	103-1	3012188	2910319	2918617	2947042	1.92	cps
Rhodium	103-2	1174372	1168725	1175799	1172965	0.32	cps
Scandium	45-1	2659379	2627104	2613558	2633347	0.89	cps
Scandium	45-2	35712	35435	35822	35656	0.56	cps
Selenium	77-2	0	3	3	2	86.60	cps
Selenium	78-2	6	2	0	2	114.63	cps
Selenium	82-1	-4	11	41	16	139.87	cps
Silicon	28-1	4489604	4512443	4453605	4485217	0.66	cps
Silver	109-1	183	183	142	169	14.20	cps
Silver	107-1	183	142	217	181	20.81	cps
Sodium	23-2	1408416	1393865	1379334	1393872	1.04	cps
Strontium	86-1	39867	40519	38823	39737	2.15	cps
Strontium	88-1	336785	334282	336984	336017	0.45	cps
Sulfur	34-1	468005	466673	467292	467323	0.14	cps
Terbium	159-1	3079902	3118213	3070131	3089415	0.82	cps
Terbium	159-2	1036162	1021820	1038246	1032076	0.87	cps
Thallium	203-1	58	17	50	42	52.91	cps
Thallium	205-1	92	50	67	69	30.20	cps
Tin	118-1	150	167	208	175	17.17	cps
Titanium	47-1	167	192	167	175	8.25	cps
Uranium	238-1	517	433	517	489	9.84	cps
Vanadium	51-2	137	137	217	163	28.28	cps
Yttrium	89-1	3540060	3543041	3506481	3529861	0.58	cps
Yttrium	89-2	194781	191948	194645	193791	0.82	cps
Zinc	66-2	360	390	423	391	8.10	cps

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	K1089-02LX5	Instrumnet Name :	P8
Client Sample ID :	D-01082019-01-FFL	Dilution Factor :	5
Date & Time Acquired ::	2019-01-21 13:59:01	DataFile Name :	023SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	90-1	317	275	225	272	16.86	cps
Zirconium	91-1	42	50	50	47	10.18	cps

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	K1089-02MS	Instrumnet Name :	P8
Client Sample ID :	D-01082019-01-FFMS	Dilution Factor :	1
Date & Time Acquired ::	2019-01-21 14:02:35	DataFile Name :	024SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	57178	56302	57884	57121	1.39	cps
Antimony	121-1	1836894	1875023	1878338	1863418	1.24	cps
Arsenic	75-2	42790	42759	43295	42948	0.70	cps
Barium	135-1	1956948	1969824	1990409	1972394	0.86	cps
Barium	137-1	3356799	3355784	3408012	3373532	0.89	cps
Beryllium	9-1	323418	312779	306563	314254	2.71	cps
Bismuth	209-1	1350018	1359123	1409059	1372733	2.32	cps
Bismuth	209-2	562267	561243	582687	568732	2.13	cps
Boron	10-1	50598	50858	50557	50671	0.32	cps
Boron	11-1	252434	244896	244338	247223	1.83	cps
Cadmium	111-1	404133	404702	415604	408147	1.58	cps
Cadmium	106-1	42284	42920	43998	43067	2.01	cps
Cadmium	108-1	28317	28618	29341	28759	1.83	cps
Calcium	43-1	1702926	1694196	1660386	1685836	1.33	cps
Calcium	44-1	27368442	26964698	27120818	27151319	0.75	cps
Chromium	52-2	2058070	2056128	2110158	2074785	1.48	cps
Cobalt	59-2	666525	663353	677177	669018	1.08	cps
Copper	63-2	1136164	1134937	1170730	1147277	1.77	cps
Dysprosium	156-1	33	42	50	42	20.00	cps
Dysprosium	156-2	13	13	10	12	15.73	cps
Erbium	164-1	75	42	50	56	31.22	cps
Erbium	164-2	20	27	13	20	33.35	cps
Gadolinium	160-1	50	25	58	44	39.04	cps
Gadolinium	160-2	7	7	10	8	24.71	cps
Holmium	165-1	2505572	2514610	2610493	2543558	2.29	cps
Holmium	165-2	811001	807617	834904	817841	1.82	cps
Indium	115-1	2496232	2470803	2537044	2501359	1.34	cps
Indium	115-2	165571	164377	170102	166683	1.81	cps
Iron	56-2	11619503	11586262	11794228	11666664	0.96	cps
Iron	57-2	288459	287535	291476	289157	0.71	cps
Krypton	83-1	647	533	597	592	9.59	cps
Lead	206-1	785240	795233	818997	799823	2.17	cps
Lead	207-1	685606	699322	720569	701833	2.51	cps
Lead	208-1	3134088	3253451	3359484	3249008	3.47	cps
Lithium	6-1	475644	474974	473939	474852	0.18	cps
Magnesium	24-2	1903223	1905459	1938068	1915583	1.02	cps

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	K1089-02MS	Instrumnet Name :	P8
Client Sample ID :	D-01082019-01-FFMS	Dilution Factor :	1
Date & Time Acquired ::	2019-01-21 14:02:35	DataFile Name :	024SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	301735	298312	301579	300542	0.64	cps
Molybdenum	94-1	3572769	3499813	3608194	3560259	1.55	cps
Molybdenum	95-1	4408315	4461186	4401342	4423614	0.74	cps
Molybdenum	96-1	4788268	4794201	4871740	4818070	0.97	cps
Molybdenum	97-1	2704922	2675784	2713533	2698080	0.73	cps
Molybdenum	98-1	6903399	6817383	6945643	6888808	0.95	cps
Neodymium	150-1	73	80	60	71	14.32	cps
Neodymium	150-2	3	3	10	6	69.34	cps
Nickel	60-2	195383	194839	198838	196354	1.10	cps
Phosphorus	31-2	8	25	17	17	50.01	cps
Potassium	39-2	433497	428009	433828	431778	0.76	cps
Rhodium	103-1	2367717	2401122	2448078	2405639	1.68	cps
Rhodium	103-2	924004	914941	951563	930169	2.05	cps
Scandium	45-1	2062156	2061144	2082130	2068476	0.57	cps
Scandium	45-2	26402	26706	26973	26693	1.07	cps
Selenium	77-2	273	307	323	301	8.45	cps
Selenium	78-2	1070	1065	1115	1083	2.53	cps
Selenium	82-1	30050	30609	30777	30479	1.25	cps
Silicon	28-1	16123662	15798576	15490114	15804117	2.00	cps
Silver	109-1	1943868	1984474	1996929	1975090	1.40	cps
Silver	107-1	2053484	2078793	2089244	2073840	0.89	cps
Sodium	23-2	8436938	8332184	8567293	8445472	1.39	cps
Strontium	86-1	707947	713327	720578	713951	0.89	cps
Strontium	88-1	6156174	6150435	6229233	6178614	0.71	cps
Sulfur	34-1	447564	429065	417837	431488	3.48	cps
Terbium	159-1	2692165	2713424	2776938	2727509	1.62	cps
Terbium	159-2	812483	809672	851294	824483	2.82	cps
Thallium	203-1	976074	1005968	1022469	1001504	2.35	cps
Thallium	205-1	2408473	2438909	2500229	2449204	1.91	cps
Tin	118-1	1157562	1164294	1187490	1169782	1.34	cps
Titanium	47-1	1437906	1428466	1431447	1432606	0.34	cps
Uranium	238-1	3044775	3144982	3175516	3121758	2.19	cps
Vanadium	51-2	247813	249288	254389	250497	1.38	cps
Yttrium	89-1	2937874	2960388	2970382	2956215	0.56	cps
Yttrium	89-2	142858	142192	146853	143968	1.75	cps
Zinc	66-2	116404	115217	119544	117055	1.91	cps

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	K1089-02MS	Instrumnet Name :	P8
Client Sample ID :	D-01082019-01-FFMS	Dilution Factor :	1
Date & Time Acquired ::	2019-01-21 14:02:35	DataFile Name :	024SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	90-1	3025867	3023492	3053017	3034125	0.54	cps
Zirconium	91-1	656138	648576	659368	654694	0.85	cps

LB Number : LB100421 Operator : Jaswal
 Lab Sample ID : K1089-02MSD Instrumnet Name : P8
 Client Sample ID : D-01082019-01-FFMSD Dilution Factor : 1
 Date & Time Acquired :: 2019-01-21 14:06:02 DataFile Name : 025SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	58991	59009	58542	58847	0.45	cps
Antimony	121-1	2090591	2106541	2146722	2114618	1.37	cps
Arsenic	75-2	46370	46177	47241	46596	1.22	cps
Barium	135-1	2233679	2249295	2292309	2258428	1.34	cps
Barium	137-1	3840119	3881765	3961607	3894497	1.59	cps
Beryllium	9-1	334495	335581	335778	335285	0.21	cps
Bismuth	209-1	1597139	1635374	1669350	1633954	2.21	cps
Bismuth	209-2	660901	660782	673067	664917	1.06	cps
Boron	10-1	50432	53526	54564	52840	4.07	cps
Boron	11-1	242683	254235	259006	251975	3.33	cps
Cadmium	111-1	459112	464375	466186	463224	0.79	cps
Cadmium	106-1	47752	48915	48647	48438	1.26	cps
Cadmium	108-1	31888	33312	33484	32895	2.66	cps
Calcium	43-1	1737654	1742993	1748538	1743062	0.31	cps
Calcium	44-1	27926837	28168720	27894801	27996786	0.53	cps
Chromium	52-2	2215083	2203428	2185093	2201201	0.69	cps
Cobalt	59-2	724889	728560	723928	725792	0.34	cps
Copper	63-2	1247523	1248332	1259434	1251763	0.53	cps
Dysprosium	156-1	83	33	25	47	66.82	cps
Dysprosium	156-2	7	17	13	12	41.65	cps
Erbium	164-1	125	33	33	64	82.83	cps
Erbium	164-2	20	20	10	17	34.64	cps
Gadolinium	160-1	50	33	50	44	21.66	cps
Gadolinium	160-2	13	10	10	11	17.30	cps
Holmium	165-1	2900928	2982210	3016824	2966654	2.01	cps
Holmium	165-2	927255	931632	928783	929223	0.24	cps
Indium	115-1	2603369	2651214	2701102	2651895	1.84	cps
Indium	115-2	179120	177496	177627	178081	0.51	cps
Iron	56-2	12455527	12469499	12419636	12448221	0.21	cps
Iron	57-2	306581	307197	309606	307795	0.52	cps
Krypton	83-1	563	620	550	578	6.43	cps
Lead	206-1	960335	991822	996233	982797	1.99	cps
Lead	207-1	851698	868219	884343	868087	1.88	cps
Lead	208-1	3976007	4107040	4142247	4075098	2.15	cps
Lithium	6-1	472580	480199	479490	477423	0.88	cps
Magnesium	24-2	1990335	1977942	1960626	1976301	0.76	cps

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	K1089-02MSD	Instrumnet Name :	P8
Client Sample ID :	D-01082019-01-FFMSD	Dilution Factor :	1
Date & Time Acquired ::	2019-01-21 14:06:02	DataFile Name :	025SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	320679	321198	318215	320031	0.50	cps
Molybdenum	94-1	3902708	3922543	4016663	3947305	1.54	cps
Molybdenum	95-1	4829534	4896865	4916943	4881114	0.94	cps
Molybdenum	96-1	5292591	5380396	5342789	5338592	0.83	cps
Molybdenum	97-1	2948403	3012890	3017175	2992823	1.29	cps
Molybdenum	98-1	7546060	7679026	7755627	7660238	1.38	cps
Neodymium	150-1	127	53	113	98	39.95	cps
Neodymium	150-2	17	7	3	9	78.08	cps
Nickel	60-2	212280	212820	211602	212234	0.29	cps
Phosphorus	31-2	42	17	8	22	78.07	cps
Potassium	39-2	447763	440649	444467	444293	0.80	cps
Rhodium	103-1	2581748	2596594	2660771	2613038	1.61	cps
Rhodium	103-2	1000970	1004747	1001688	1002468	0.20	cps
Scandium	45-1	2096801	2114448	2075296	2095515	0.94	cps
Scandium	45-2	26863	26418	27464	26915	1.95	cps
Selenium	77-2	317	343	337	332	4.18	cps
Selenium	78-2	1096	1180	1072	1116	5.05	cps
Selenium	82-1	33235	33037	33778	33350	1.15	cps
Silicon	28-1	15751492	15929464	16098363	15926440	1.09	cps
Silver	109-1	2194235	2259005	2258249	2237163	1.66	cps
Silver	107-1	2298393	2329787	2332655	2320278	0.82	cps
Sodium	23-2	8733456	8755374	8689049	8725960	0.39	cps
Strontium	86-1	764718	779432	786898	777016	1.45	cps
Strontium	88-1	6664356	6777354	6891728	6777812	1.68	cps
Sulfur	34-1	408942	406635	406581	407386	0.33	cps
Terbium	159-1	3127444	3155356	3233763	3172188	1.74	cps
Terbium	159-2	928828	929953	936388	931723	0.44	cps
Thallium	203-1	1204097	1246331	1254261	1234896	2.18	cps
Thallium	205-1	2952006	3015743	3016904	2994885	1.24	cps
Tin	118-1	1295188	1332242	1334538	1320656	1.67	cps
Titanium	47-1	1480864	1484717	1473801	1479794	0.37	cps
Uranium	238-1	3737651	3881735	4008994	3876126	3.50	cps
Vanadium	51-2	267777	270642	265658	268025	0.93	cps
Yttrium	89-1	3134631	3171293	3191837	3165920	0.92	cps
Yttrium	89-2	151274	151678	151156	151369	0.18	cps
Zinc	66-2	126702	126669	127281	126884	0.27	cps

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	K1089-02MSD	Instrumnet Name :	P8
Client Sample ID :	D-01082019-01-FFMSD	Dilution Factor :	1
Date & Time Acquired ::	2019-01-21 14:06:02	DataFile Name :	025SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	90-1	3273433	3327228	3317304	3305989	0.87	cps
Zirconium	91-1	715235	723708	728289	722411	0.92	cps

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	K1089-02A	Instrumnet Name :	P8
Client Sample ID :	D-01082019-01-FFA	Dilution Factor :	1
Date & Time Acquired ::	2019-01-21 14:09:28	DataFile Name :	026SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	55687	55757	55474	55639	0.27	cps
Antimony	121-1	2163595	2162289	2183230	2169704	0.54	cps
Arsenic	75-2	45588	45042	44913	45181	0.79	cps
Barium	135-1	2343847	2318312	2331658	2331272	0.55	cps
Barium	137-1	3993891	3949529	4001190	3981537	0.70	cps
Beryllium	9-1	326452	329955	326740	327715	0.59	cps
Bismuth	209-1	1770987	1806151	1815943	1797694	1.32	cps
Bismuth	209-2	684755	684831	678382	682656	0.54	cps
Boron	10-1	50774	51870	51585	51410	1.11	cps
Boron	11-1	242710	246499	246798	245336	0.93	cps
Cadmium	111-1	466779	466275	470617	467890	0.51	cps
Cadmium	106-1	48287	47342	47300	47643	1.17	cps
Cadmium	108-1	32468	33362	33362	33064	1.56	cps
Calcium	43-1	1723914	1712185	1692708	1709602	0.92	cps
Calcium	44-1	27761030	27258130	27338911	27452690	0.98	cps
Chromium	52-2	2156131	2151014	2135040	2147395	0.51	cps
Cobalt	59-2	702651	705423	703310	703795	0.21	cps
Copper	63-2	1225344	1227496	1213411	1222084	0.62	cps
Dysprosium	156-1	33	42	50	42	20.00	cps
Dysprosium	156-2	10	3	13	9	57.30	cps
Erbium	164-1	100	58	67	75	29.40	cps
Erbium	164-2	20	17	13	17	20.01	cps
Gadolinium	160-1	67	17	42	42	60.00	cps
Gadolinium	160-2	10	17	10	12	31.50	cps
Holmium	165-1	3109524	3115624	3200622	3141923	1.62	cps
Holmium	165-2	950089	959455	944675	951406	0.79	cps
Indium	115-1	2712897	2723749	2760456	2732367	0.91	cps
Indium	115-2	175956	177333	175604	176298	0.52	cps
Iron	56-2	12248950	12072086	12020954	12113997	0.99	cps
Iron	57-2	305711	298578	298565	300951	1.37	cps
Krypton	83-1	500	517	537	518	3.55	cps
Lead	206-1	1035834	1044200	1048040	1042691	0.60	cps
Lead	207-1	904539	916830	920961	914110	0.93	cps
Lead	208-1	4271750	4296446	4343544	4303913	0.85	cps
Lithium	6-1	452064	448804	448347	449738	0.45	cps
Magnesium	24-2	1921665	1902423	1894348	1906145	0.74	cps

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	K1089-02A	Instrumnet Name :	P8
Client Sample ID :	D-01082019-01-FFA	Dilution Factor :	1
Date & Time Acquired ::	2019-01-21 14:09:28	DataFile Name :	026SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	309646	306368	301614	305876	1.32	cps
Molybdenum	94-1	3969283	3942497	3928705	3946829	0.52	cps
Molybdenum	95-1	4903869	4883144	4914375	4900462	0.32	cps
Molybdenum	96-1	5358376	5281928	5379153	5339819	0.96	cps
Molybdenum	97-1	2962680	2970977	3031704	2988454	1.26	cps
Molybdenum	98-1	7655612	7685867	7711660	7684380	0.37	cps
Neodymium	150-1	53	67	67	62	12.37	cps
Neodymium	150-2	0	7	0	2	173.21	cps
Nickel	60-2	208812	207452	208940	208401	0.40	cps
Phosphorus	31-2	8	17	8	11	43.34	cps
Potassium	39-2	423003	425136	420219	422786	0.58	cps
Rhodium	103-1	2667244	2655720	2668486	2663817	0.26	cps
Rhodium	103-2	1014219	1005567	1015453	1011746	0.53	cps
Scandium	45-1	2102432	2087476	2053358	2081089	1.21	cps
Scandium	45-2	26816	26372	26208	26465	1.19	cps
Selenium	77-2	363	353	320	346	6.57	cps
Selenium	78-2	1111	1133	1022	1089	5.40	cps
Selenium	82-1	32784	32932	33028	32915	0.37	cps
Silicon	28-1	15543143	15441404	15422196	15468914	0.42	cps
Silver	109-1	2244753	2262640	2274829	2260740	0.67	cps
Silver	107-1	2342553	2365781	2359092	2355809	0.51	cps
Sodium	23-2	8515022	8452786	8395403	8454403	0.71	cps
Strontium	86-1	765768	767934	777798	770500	0.83	cps
Strontium	88-1	6656194	6730495	6769479	6718723	0.86	cps
Sulfur	34-1	397949	394797	389885	394210	1.03	cps
Terbium	159-1	3312643	3312985	3366607	3330745	0.93	cps
Terbium	159-2	952889	951440	944160	949496	0.49	cps
Thallium	203-1	1291863	1289076	1310447	1297129	0.90	cps
Thallium	205-1	3175458	3190921	3210685	3192355	0.55	cps
Tin	118-1	1331697	1345906	1360915	1346173	1.09	cps
Titanium	47-1	1434576	1424132	1459460	1439389	1.26	cps
Uranium	238-1	4162403	4100023	4205310	4155912	1.27	cps
Vanadium	51-2	259923	259471	257781	259059	0.44	cps
Yttrium	89-1	3181903	3196667	3186946	3188505	0.24	cps
Yttrium	89-2	151287	151042	151257	151195	0.09	cps
Zinc	66-2	122999	123762	120794	122518	1.26	cps

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	K1089-02A	Instrumnet Name :	P8
Client Sample ID :	D-01082019-01-FFA	Dilution Factor :	1
Date & Time Acquired ::	2019-01-21 14:09:28	DataFile Name :	026SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	90-1	3328613	3327050	3335213	3330292	0.13	cps
Zirconium	91-1	724663	723955	726792	725137	0.20	cps

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	K1089-02DLX5	Instrumnet Name :	P8
Client Sample ID :	D-01082019-01-FFDL	Dilution Factor :	5
Date & Time Acquired ::	2019-01-21 14:12:53	DataFile Name :	027SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	58	63	43	54	19.22	cps
Antimony	121-1	667	583	608	619	6.90	cps
Arsenic	75-2	28	26	30	28	6.66	cps
Barium	135-1	33711	34730	34621	34354	1.63	cps
Barium	137-1	56689	57693	56957	57113	0.91	cps
Beryllium	9-1	57	107	87	83	30.20	cps
Bismuth	209-1	2046238	1996951	2022648	2021946	1.22	cps
Bismuth	209-2	801170	803054	796834	800353	0.40	cps
Boron	10-1	2484	2359	2025	2289	10.35	cps
Boron	11-1	10229	10738	10287	10418	2.67	cps
Cadmium	111-1	568	637	630	612	6.18	cps
Cadmium	106-1	733	825	783	781	5.88	cps
Cadmium	108-1	17	4	8	10	65.47	cps
Calcium	43-1	260083	263079	257999	260387	0.98	cps
Calcium	44-1	4316225	4308635	4288378	4304413	0.33	cps
Chromium	52-2	409960	412504	410277	410914	0.34	cps
Cobalt	59-2	237	223	233	231	3.00	cps
Copper	63-2	1647	1580	1573	1600	2.53	cps
Dysprosium	156-1	17	8	25	17	50.01	cps
Dysprosium	156-2	3	3	3	3	0.00	cps
Erbium	164-1	8	25	25	19	49.50	cps
Erbium	164-2	0	10	3	4	114.60	cps
Gadolinium	160-1	25	25	50	33	43.30	cps
Gadolinium	160-2	7	3	7	6	34.70	cps
Holmium	165-1	3387382	3343029	3361694	3364035	0.66	cps
Holmium	165-2	1059703	1063307	1078060	1067023	0.91	cps
Indium	115-1	3140311	3084242	3145157	3123237	1.08	cps
Indium	115-2	215427	214435	218995	216286	1.11	cps
Iron	56-2	4390	4512	4690	4531	3.33	cps
Iron	57-2	111	111	122	115	5.59	cps
Krypton	83-1	550	590	517	552	6.65	cps
Lead	206-1	1167	1106	1078	1117	4.07	cps
Lead	207-1	1100	967	917	995	9.53	cps
Lead	208-1	4778	4412	4250	4480	6.04	cps
Lithium	6-1	436093	439162	448383	441213	1.45	cps
Magnesium	24-2	120803	119120	119887	119937	0.70	cps

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	K1089-02DLX5	Instrumnet Name :	P8
Client Sample ID :	D-01082019-01-FFDL	Dilution Factor :	5
Date & Time Acquired ::	2019-01-21 14:12:53	DataFile Name :	027SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	23136	23513	22932	23194	1.27	cps
Molybdenum	94-1	517	467	517	500	5.77	cps
Molybdenum	95-1	783	783	583	717	16.11	cps
Molybdenum	96-1	858	817	792	822	4.10	cps
Molybdenum	97-1	558	558	558	558	0.00	cps
Molybdenum	98-1	1025	1192	1033	1083	8.67	cps
Neodymium	150-1	13	13	7	11	34.61	cps
Neodymium	150-2	0	0	3	1	173.21	cps
Nickel	60-2	263	267	313	281	9.94	cps
Phosphorus	31-2	17	0	8	8	100.02	cps
Potassium	39-2	11180	11205	10955	11113	1.24	cps
Rhodium	103-1	3125285	3067675	3147611	3113524	1.32	cps
Rhodium	103-2	1168986	1187521	1177211	1177906	0.79	cps
Scandium	45-1	2462666	2438298	2470703	2457222	0.69	cps
Scandium	45-2	30727	31085	31128	30980	0.71	cps
Selenium	77-2	3	0	0	1	173.21	cps
Selenium	78-2	7	0	4	4	100.05	cps
Selenium	82-1	10	-15	44	13	222.32	cps
Silicon	28-1	3787676	3792099	3795716	3791830	0.11	cps
Silver	109-1	817	633	658	703	14.15	cps
Silver	107-1	833	767	858	820	5.78	cps
Sodium	23-2	1253997	1247762	1240602	1247454	0.54	cps
Strontium	86-1	39934	41405	39951	40430	2.09	cps
Strontium	88-1	346194	346565	344490	345750	0.32	cps
Sulfur	34-1	342027	344613	344777	343806	0.45	cps
Terbium	159-1	3689355	3577528	3570588	3612490	1.85	cps
Terbium	159-2	1075183	1078936	1077174	1077098	0.17	cps
Thallium	203-1	125	133	142	133	6.25	cps
Thallium	205-1	317	275	275	289	8.33	cps
Tin	118-1	492	650	592	578	13.86	cps
Titanium	47-1	208	200	183	197	6.45	cps
Uranium	238-1	950	733	783	822	13.80	cps
Vanadium	51-2	150	153	183	162	11.32	cps
Yttrium	89-1	3606269	3623640	3599600	3609837	0.34	cps
Yttrium	89-2	178591	178087	180951	179209	0.85	cps
Zinc	66-2	393	330	313	346	12.22	cps

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	K1089-02DLX5	Instrumnet Name :	P8
Client Sample ID :	D-01082019-01-FFDL	Dilution Factor :	5
Date & Time Acquired ::	2019-01-21 14:12:53	DataFile Name :	027SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	90-1	442	358	417	406	10.54	cps
Zirconium	91-1	58	75	100	78	26.96	cps

LB Number : LB100421 Operator : Jaswal
 Lab Sample ID : K1089-02DUPDLX5 Instrumnet Name : P8
 Client Sample ID : D-01082019-01-FFDUPE Dilution Factor : 5
 Date & Time Acquired :: 2019-01-21 14:16:26 DataFile Name : 028SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	40	35	55	43	24.01	cps
Antimony	121-1	350	350	292	331	10.19	cps
Arsenic	75-2	24	28	19	23	19.87	cps
Barium	135-1	32182	33485	33001	32889	2.00	cps
Barium	137-1	55936	55350	56413	55900	0.95	cps
Beryllium	9-1	53	83	90	76	25.85	cps
Bismuth	209-1	1874790	1941078	1863730	1893199	2.21	cps
Bismuth	209-2	790330	793724	791195	791750	0.22	cps
Boron	10-1	1750	1792	1725	1756	1.92	cps
Boron	11-1	7978	9520	8361	8620	9.32	cps
Cadmium	111-1	617	587	528	577	7.82	cps
Cadmium	106-1	767	733	692	731	5.14	cps
Cadmium	108-1	17	8	21	15	41.67	cps
Calcium	43-1	252645	255472	251773	253297	0.76	cps
Calcium	44-1	4149096	4187219	4117855	4151390	0.84	cps
Chromium	52-2	404364	416215	409187	409922	1.45	cps
Cobalt	59-2	253	200	250	234	12.75	cps
Copper	63-2	1320	1383	1220	1308	6.30	cps
Dysprosium	156-1	0	25	8	11	114.58	cps
Dysprosium	156-2	3	0	0	1	173.21	cps
Erbium	164-1	17	33	17	22	43.28	cps
Erbium	164-2	3	10	3	6	69.34	cps
Gadolinium	160-1	25	25	33	28	17.31	cps
Gadolinium	160-2	7	3	3	4	43.40	cps
Holmium	165-1	3141745	3261236	3157873	3186951	2.03	cps
Holmium	165-2	1041471	1062338	1056960	1053589	1.03	cps
Indium	115-1	2957817	3003850	2947454	2969707	1.01	cps
Indium	115-2	212719	213674	216138	214177	0.82	cps
Iron	56-2	4267	4312	4434	4338	1.99	cps
Iron	57-2	117	156	139	137	14.24	cps
Krypton	83-1	603	570	540	571	5.55	cps
Lead	206-1	839	767	733	780	6.92	cps
Lead	207-1	694	761	806	754	7.42	cps
Lead	208-1	3239	3256	3134	3210	2.07	cps
Lithium	6-1	460310	476546	463962	466939	1.82	cps
Magnesium	24-2	117852	120970	119416	119413	1.31	cps

LB Number : LB100421 Operator : Jaswal
 Lab Sample ID : K1089-02DUPDLX5 Instrumnet Name : P8
 Client Sample ID : D-01082019-01-FFDUPE Dilution Factor : 5
 Date & Time Acquired :: 2019-01-21 14:16:26 DataFile Name : 028SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	23336	22625	23199	23054	1.64	cps
Molybdenum	94-1	483	442	383	436	11.52	cps
Molybdenum	95-1	475	508	500	494	3.51	cps
Molybdenum	96-1	525	542	467	511	7.71	cps
Molybdenum	97-1	575	400	367	447	25.02	cps
Molybdenum	98-1	708	725	775	736	4.71	cps
Neodymium	150-1	7	20	7	11	69.25	cps
Neodymium	150-2	3	0	3	2	86.60	cps
Nickel	60-2	297	247	243	262	11.39	cps
Phosphorus	31-2	8	8	0	6	86.60	cps
Potassium	39-2	11480	10655	11213	11116	3.79	cps
Rhodium	103-1	2891463	2958410	2926491	2925454	1.14	cps
Rhodium	103-2	1150018	1166171	1162584	1159591	0.73	cps
Scandium	45-1	2336265	2426793	2328047	2363701	2.32	cps
Scandium	45-2	30814	30968	30637	30806	0.54	cps
Selenium	77-2	7	3	3	4	43.40	cps
Selenium	78-2	0	2	6	2	114.63	cps
Selenium	82-1	-16	60	107	50	122.97	cps
Silicon	28-1	3831094	3825748	3813354	3823399	0.24	cps
Silver	109-1	583	550	350	494	25.52	cps
Silver	107-1	650	675	467	597	19.05	cps
Sodium	23-2	1242836	1269069	1245314	1252406	1.16	cps
Strontium	86-1	38873	39366	39090	39110	0.63	cps
Strontium	88-1	330259	336166	332077	332834	0.91	cps
Sulfur	34-1	368043	369005	365112	367386	0.55	cps
Terbium	159-1	3358214	3442392	3368403	3389670	1.36	cps
Terbium	159-2	1056201	1068583	1069619	1064801	0.70	cps
Thallium	203-1	92	83	83	86	5.58	cps
Thallium	205-1	167	142	242	183	28.39	cps
Tin	118-1	375	383	383	381	1.27	cps
Titanium	47-1	150	200	108	153	30.04	cps
Uranium	238-1	742	783	608	711	12.86	cps
Vanadium	51-2	187	123	170	160	20.52	cps
Yttrium	89-1	3411603	3515687	3384370	3437220	2.02	cps
Yttrium	89-2	173747	178331	179257	177112	1.67	cps
Zinc	66-2	393	357	393	381	5.55	cps

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	K1089-02DUPDLX5	Instrumnet Name :	P8
Client Sample ID :	D-01082019-01-FFDUPC	Dilution Factor :	5
Date & Time Acquired ::	2019-01-21 14:16:26	DataFile Name :	028SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	90-1	350	417	417	394	9.76	cps
Zirconium	91-1	92	92	75	86	11.18	cps

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	K1089-02LDLX25	Instrumnet Name :	P8
Client Sample ID :	D-01082019-01-FFLDL	Dilution Factor :	25
Date & Time Acquired ::	2019-01-21 14:19:59	DataFile Name :	029SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	15	65	63	48	59.32	cps
Antimony	121-1	167	142	175	161	10.77	cps
Arsenic	75-2	13	9	13	12	18.22	cps
Barium	135-1	6685	6719	6810	6738	0.96	cps
Barium	137-1	11230	10555	11005	10930	3.15	cps
Beryllium	9-1	27	67	90	61	52.41	cps
Bismuth	209-1	1817718	1890307	1955237	1887754	3.64	cps
Bismuth	209-2	796520	787583	772832	785645	1.52	cps
Boron	10-1	667	767	608	681	11.77	cps
Boron	11-1	3501	3509	3376	3462	2.16	cps
Cadmium	111-1	505	553	437	498	11.69	cps
Cadmium	106-1	700	758	608	689	10.98	cps
Cadmium	108-1	8	17	8	11	43.34	cps
Calcium	43-1	51528	51578	53063	52056	1.68	cps
Calcium	44-1	863883	857046	887905	869611	1.86	cps
Chromium	52-2	81543	81385	79356	80761	1.51	cps
Cobalt	59-2	93	130	90	104	21.25	cps
Copper	63-2	910	820	810	847	6.51	cps
Dysprosium	156-1	0	8	0	3	173.21	cps
Dysprosium	156-2	7	0	0	2	173.21	cps
Erbium	164-1	8	17	33	19	65.47	cps
Erbium	164-2	3	7	7	6	34.70	cps
Gadolinium	160-1	25	17	0	14	91.65	cps
Gadolinium	160-2	3	3	3	3	0.00	cps
Holmium	165-1	3051092	3174311	3208536	3144647	2.63	cps
Holmium	165-2	1049804	1046183	1015418	1037135	1.82	cps
Indium	115-1	2890026	2938742	3043349	2957372	2.65	cps
Indium	115-2	213260	211342	208572	211058	1.12	cps
Iron	56-2	3601	3762	3601	3654	2.55	cps
Iron	57-2	172	117	100	130	29.17	cps
Krypton	83-1	580	663	533	592	11.12	cps
Lead	206-1	744	633	628	669	9.84	cps
Lead	207-1	517	606	556	559	7.97	cps
Lead	208-1	2661	2711	2545	2639	3.24	cps
Lithium	6-1	467520	488336	497542	484466	3.17	cps
Magnesium	24-2	23921	23904	23946	23924	0.09	cps

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	K1089-02LDLX25	Instrumnet Name :	P8
Client Sample ID :	D-01082019-01-FFLDL	Dilution Factor :	25
Date & Time Acquired ::	2019-01-21 14:19:59	DataFile Name :	029SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	4651	4668	4537	4619	1.53	cps
Molybdenum	94-1	208	175	192	192	8.70	cps
Molybdenum	95-1	133	50	150	111	48.22	cps
Molybdenum	96-1	142	192	233	189	24.30	cps
Molybdenum	97-1	158	167	117	147	18.20	cps
Molybdenum	98-1	217	142	133	164	28.01	cps
Neodymium	150-1	7	0	27	11	124.89	cps
Neodymium	150-2	0	0	0	0	0.00	cps
Nickel	60-2	130	67	130	109	33.58	cps
Phosphorus	31-2	0	0	0	0	0.00	cps
Potassium	39-2	6110	6944	6802	6619	6.74	cps
Rhodium	103-1	2877095	2994223	3050220	2973846	2.97	cps
Rhodium	103-2	1155358	1149156	1119714	1141409	1.67	cps
Scandium	45-1	2323609	2365486	2486905	2392000	3.55	cps
Scandium	45-2	30289	29728	29277	29765	1.70	cps
Selenium	77-2	0	0	3	1	173.21	cps
Selenium	78-2	2	6	4	4	50.09	cps
Selenium	82-1	-5	-42	19	-10	-323.02	cps
Silicon	28-1	1010599	1014840	1049700	1025046	2.09	cps
Silver	109-1	358	383	300	347	12.32	cps
Silver	107-1	383	283	383	350	16.50	cps
Sodium	23-2	246222	246665	240965	244617	1.30	cps
Strontium	86-1	8895	8787	9128	8937	1.95	cps
Strontium	88-1	67786	67728	67326	67613	0.37	cps
Sulfur	34-1	355932	356204	362103	358080	0.97	cps
Terbium	159-1	3248964	3382921	3436235	3356040	2.87	cps
Terbium	159-2	1051527	1047693	1021908	1040376	1.55	cps
Thallium	203-1	67	100	42	69	42.14	cps
Thallium	205-1	83	108	108	100	14.43	cps
Tin	118-1	217	267	225	236	11.35	cps
Titanium	47-1	108	108	167	128	26.35	cps
Uranium	238-1	142	83	150	125	29.06	cps
Vanadium	51-2	53	30	57	47	31.14	cps
Yttrium	89-1	3341807	3468930	3524802	3445180	2.72	cps
Yttrium	89-2	175956	173628	172652	174079	0.97	cps
Zinc	66-2	147	147	187	160	14.43	cps

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	K1089-02LDLX25	Instrumnet Name :	P8
Client Sample ID :	D-01082019-01-FFLDL	Dilution Factor :	25
Date & Time Acquired ::	2019-01-21 14:19:59	DataFile Name :	029SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	90-1	175	283	258	239	23.74	cps
Zirconium	91-1	67	17	50	44	57.28	cps

LB Number : LB100421 Operator : Jaswal
 Lab Sample ID : CCV51 Instrumnet Name : P8
 Client Sample ID : CCV51 Dilution Factor : 1
 Date & Time Acquired :: 2019-01-21 14:29:44 DataFile Name : 030CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	380147	380911	383425	381494	0.45	cps
Antimony	121-1	2188503	2304784	2218127	2237138	2.70	cps
Arsenic	75-2	54934	55414	55619	55322	0.63	cps
Barium	135-1	2198605	2287156	2205510	2230424	2.21	cps
Barium	137-1	3686086	3881001	3708267	3758452	2.84	cps
Beryllium	9-1	446763	465988	445947	452899	2.50	cps
Bismuth	209-1	1611308	1543129	1445895	1533444	5.42	cps
Bismuth	209-2	719693	741042	726261	728999	1.50	cps
Boron	10-1	60955	67644	64387	64329	5.20	cps
Boron	11-1	297364	321022	314573	310986	3.93	cps
Cadmium	111-1	476214	503136	483097	487482	2.87	cps
Cadmium	106-1	50228	53173	49794	51065	3.60	cps
Cadmium	108-1	34127	35447	34503	34692	1.96	cps
Calcium	43-1	3195134	3357277	3239389	3263933	2.57	cps
Calcium	44-1	51112231	54200274	52096501	52469669	3.01	cps
Chromium	52-2	426630	423511	427804	425982	0.52	cps
Cobalt	59-2	809011	811079	817979	812689	0.58	cps
Copper	63-2	1310436	1300956	1321936	1311109	0.80	cps
Dysprosium	156-1	50	25	42	39	32.73	cps
Dysprosium	156-2	3	7	10	7	50.03	cps
Erbium	164-1	33	8	0	14	124.91	cps
Erbium	164-2	3	7	3	4	43.40	cps
Gadolinium	160-1	42	50	33	42	20.00	cps
Gadolinium	160-2	23	7	17	16	53.90	cps
Holmium	165-1	2955064	2803308	2685836	2814736	4.80	cps
Holmium	165-2	1022466	1056392	1043135	1040664	1.64	cps
Indium	115-1	2655405	2588245	2440937	2561529	4.28	cps
Indium	115-2	204871	210644	210452	208656	1.57	cps
Iron	56-2	69747835	68406577	69565174	69239862	1.05	cps
Iron	57-2	1755555	1756766	1792747	1768356	1.20	cps
Krypton	83-1	610	493	603	569	11.52	cps
Lead	206-1	978296	1020841	963236	987457	3.03	cps
Lead	207-1	886852	941216	862015	896694	4.52	cps
Lead	208-1	4130962	4286545	4042095	4153201	2.98	cps
Lithium	6-1	489869	474452	447323	470548	4.58	cps
Magnesium	24-2	8235065	8183637	8323828	8247510	0.86	cps

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	CCV51	Instrumnet Name :	P8
Client Sample ID :	CCV51	Dilution Factor :	1
Date & Time Acquired ::	2019-01-21 14:29:44	DataFile Name :	030CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	254670	250450	252722	252614	0.84	cps
Molybdenum	94-1	4061516	4255238	4121359	4146038	2.39	cps
Molybdenum	95-1	5057243	5261536	5110493	5143091	2.06	cps
Molybdenum	96-1	5594828	5757604	5562022	5638152	1.86	cps
Molybdenum	97-1	3078053	3204960	3129997	3137670	2.03	cps
Molybdenum	98-1	7983029	8260614	7948262	8063969	2.12	cps
Neodymium	150-1	133	93	87	104	24.17	cps
Neodymium	150-2	13	10	10	11	17.30	cps
Nickel	60-2	239022	237443	241330	239265	0.82	cps
Phosphorus	31-2	6185	6543	6477	6402	2.98	cps
Potassium	39-2	2536350	2549746	2565503	2550533	0.57	cps
Rhodium	103-1	2645512	2566574	2435419	2549168	4.16	cps
Rhodium	103-2	1071583	1110172	1101089	1094281	1.84	cps
Scandium	45-1	2260927	2215590	2102839	2193119	3.71	cps
Scandium	45-2	32414	32879	32491	32595	0.76	cps
Selenium	77-2	483	350	383	406	17.11	cps
Selenium	78-2	1389	1441	1356	1395	3.08	cps
Selenium	82-1	34592	36707	35064	35454	3.13	cps
Silicon	28-1	1682134	1786629	1733703	1734155	3.01	cps
Silver	109-1	2274186	2377100	2284867	2312051	2.45	cps
Silver	107-1	2372017	2469709	2414905	2418877	2.02	cps
Sodium	23-2	19413257	19424571	19538992	19458940	0.36	cps
Strontium	86-1	618905	649465	618014	628795	2.85	cps
Strontium	88-1	5420405	5755261	5512581	5562749	3.11	cps
Sulfur	34-1	568421	591571	578673	579555	2.00	cps
Terbium	159-1	3174666	3030785	2848156	3017869	5.42	cps
Terbium	159-2	1036783	1068108	1040153	1048348	1.64	cps
Thallium	203-1	1213474	1250553	1205007	1223011	1.98	cps
Thallium	205-1	2992436	3093331	3041432	3042400	1.66	cps
Tin	118-1	1431872	1498936	1434469	1455093	2.61	cps
Titanium	47-1	1615520	1733872	1696498	1681963	3.60	cps
Uranium	238-1	3819515	3964078	3788719	3857437	2.43	cps
Vanadium	51-2	313474	312040	316667	314060	0.75	cps
Yttrium	89-1	3283662	3121141	2993745	3132849	4.64	cps
Yttrium	89-2	178074	183681	181259	181004	1.55	cps
Zinc	66-2	144447	143018	143150	143538	0.55	cps

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	CCV51	Instrumnet Name :	P8
Client Sample ID :	CCV51	Dilution Factor :	1
Date & Time Acquired ::	2019-01-21 14:29:44	DataFile Name :	030CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	90-1	3413339	3634428	3434483	3494083	3.49	cps
Zirconium	91-1	738282	771757	746270	752103	2.32	cps

LB Number : LB100421 Operator : Jaswal
 Lab Sample ID : CCB51 Instrumnet Name : P8
 Client Sample ID : CCB51 Dilution Factor : 1
 Date & Time Acquired :: 2019-01-21 14:37:15 DataFile Name : 031CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	53	43	53	49	11.74	cps
Antimony	121-1	542	708	725	658	15.40	cps
Arsenic	75-2	6	9	9	8	26.61	cps
Barium	135-1	125	83	108	106	19.87	cps
Barium	137-1	175	83	117	125	37.12	cps
Beryllium	9-1	67	83	43	64	31.18	cps
Bismuth	209-1	1715486	1763620	1761547	1746884	1.56	cps
Bismuth	209-2	779165	778978	763090	773744	1.19	cps
Boron	10-1	475	392	442	436	9.62	cps
Boron	11-1	2300	2417	2275	2331	3.25	cps
Cadmium	111-1	527	493	470	497	5.69	cps
Cadmium	106-1	725	692	667	694	4.22	cps
Cadmium	108-1	8	17	13	13	33.36	cps
Calcium	43-1	340	330	300	323	6.44	cps
Calcium	44-1	32284	31947	30580	31604	2.85	cps
Chromium	52-2	1667	1623	1687	1659	1.95	cps
Cobalt	59-2	107	127	87	107	18.75	cps
Copper	63-2	577	580	527	561	5.33	cps
Dysprosium	156-1	25	8	17	17	50.01	cps
Dysprosium	156-2	0	0	0	0	0.00	cps
Erbium	164-1	17	33	17	22	43.30	cps
Erbium	164-2	3	0	0	1	173.21	cps
Gadolinium	160-1	17	17	42	25	57.73	cps
Gadolinium	160-2	3	3	0	2	86.60	cps
Holmium	165-1	2939471	2982966	3011025	2977821	1.21	cps
Holmium	165-2	1051936	1053016	1035980	1046977	0.91	cps
Indium	115-1	2932542	2927174	2940914	2933543	0.24	cps
Indium	115-2	219351	222940	217449	219913	1.27	cps
Iron	56-2	5807	5618	6001	5809	3.30	cps
Iron	57-2	128	111	178	139	24.98	cps
Krypton	83-1	563	597	557	572	3.74	cps
Lead	206-1	633	611	689	644	6.22	cps
Lead	207-1	422	517	489	476	10.20	cps
Lead	208-1	2128	2206	2295	2209	3.77	cps
Lithium	6-1	503425	508250	512763	508146	0.92	cps
Magnesium	24-2	675	800	708	728	8.89	cps

LB Number : LB100421 Operator : Jaswal
 Lab Sample ID : CCB51 Instrumnet Name : P8
 Client Sample ID : CCB51 Dilution Factor : 1
 Date & Time Acquired :: 2019-01-21 14:37:15 DataFile Name : 031CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	97	100	97	98	1.97	cps
Molybdenum	94-1	433	483	458	458	5.46	cps
Molybdenum	95-1	392	333	292	339	14.82	cps
Molybdenum	96-1	483	492	467	481	2.65	cps
Molybdenum	97-1	283	233	308	275	13.89	cps
Molybdenum	98-1	708	633	558	633	11.84	cps
Neodymium	150-1	13	20	13	16	24.76	cps
Neodymium	150-2	0	0	0	0	0.00	cps
Nickel	60-2	73	97	97	89	15.16	cps
Phosphorus	31-2	8	17	0	8	100.02	cps
Potassium	39-2	5760	6018	5618	5799	3.50	cps
Rhodium	103-1	3020444	2939649	2976545	2978879	1.36	cps
Rhodium	103-2	1179592	1182224	1170003	1177273	0.55	cps
Scandium	45-1	2450763	2486455	2496689	2477969	0.97	cps
Scandium	45-2	32922	32792	32164	32626	1.24	cps
Selenium	77-2	3	0	0	1	173.21	cps
Selenium	78-2	2	4	2	2	43.30	cps
Selenium	82-1	-26	-30	-1	-19	-82.11	cps
Silicon	28-1	274127	284937	274711	277925	2.19	cps
Silver	109-1	283	325	317	308	7.15	cps
Silver	107-1	367	333	267	322	15.80	cps
Sodium	23-2	15592	15134	14792	15173	2.65	cps
Strontium	86-1	775	817	892	828	7.14	cps
Strontium	88-1	367	283	242	297	21.41	cps
Sulfur	34-1	379337	377393	377075	377935	0.32	cps
Terbium	159-1	3219950	3211655	3165380	3198995	0.92	cps
Terbium	159-2	1046767	1058950	1047051	1050923	0.66	cps
Thallium	203-1	83	142	100	108	27.73	cps
Thallium	205-1	258	258	175	231	20.87	cps
Tin	118-1	342	308	392	347	12.08	cps
Titanium	47-1	175	192	142	169	15.03	cps
Uranium	238-1	250	100	175	175	42.86	cps
Vanadium	51-2	23	13	20	19	26.96	cps
Yttrium	89-1	3458582	3410330	3438322	3435745	0.71	cps
Yttrium	89-2	184967	185747	183782	184832	0.54	cps
Zinc	66-2	87	67	57	70	21.82	cps

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	CCB51	Instrumnet Name :	P8
Client Sample ID :	CCB51	Dilution Factor :	1
Date & Time Acquired ::	2019-01-21 14:37:15	DataFile Name :	031CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	90-1	442	383	333	386	14.04	cps
Zirconium	91-1	92	117	167	125	30.55	cps

LB Number : LB100421 Operator : Jaswal
 Lab Sample ID : K1089-02MSDLX5 Instrumnet Name : P8
 Client Sample ID : D-01082019-01-FFMSDL Dilution Factor : 5
 Date & Time Acquired :: 2019-01-21 14:40:50 DataFile Name : 032SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	13007	12964	12997	12989	0.17	cps
Antimony	121-1	414661	409147	410675	411494	0.69	cps
Arsenic	75-2	10095	9852	10028	9991	1.26	cps
Barium	135-1	440397	433111	436363	436624	0.84	cps
Barium	137-1	760555	759446	760419	760140	0.08	cps
Beryllium	9-1	79441	77983	76830	78085	1.68	cps
Bismuth	209-1	1655073	1635631	1644133	1644945	0.59	cps
Bismuth	209-2	690863	695656	704207	696909	0.97	cps
Boron	10-1	12164	12347	12656	12389	2.01	cps
Boron	11-1	59374	60260	58930	59521	1.14	cps
Cadmium	111-1	95859	96646	95219	95908	0.75	cps
Cadmium	106-1	10813	10630	10229	10557	2.83	cps
Cadmium	108-1	6631	7210	6439	6760	5.94	cps
Calcium	43-1	381150	377052	375001	377734	0.83	cps
Calcium	44-1	6218087	6129027	6080766	6142627	1.13	cps
Chromium	52-2	464137	456559	461873	460856	0.84	cps
Cobalt	59-2	151975	152932	153558	152822	0.52	cps
Copper	63-2	267926	264396	263216	265179	0.92	cps
Dysprosium	156-1	50	25	17	31	56.77	cps
Dysprosium	156-2	0	3	3	2	86.60	cps
Erbium	164-1	50	17	8	25	88.19	cps
Erbium	164-2	10	3	3	6	69.34	cps
Gadolinium	160-1	17	8	8	11	43.34	cps
Gadolinium	160-2	0	10	7	6	91.64	cps
Holmium	165-1	3014865	2972749	2952248	2979954	1.07	cps
Holmium	165-2	970907	969143	987214	975755	1.02	cps
Indium	115-1	2850143	2831863	2842154	2841386	0.32	cps
Indium	115-2	202170	201118	203032	202107	0.47	cps
Iron	56-2	2764690	2735326	2737365	2745794	0.60	cps
Iron	57-2	66269	66212	65767	66083	0.42	cps
Krypton	83-1	510	600	557	556	8.10	cps
Lead	206-1	188016	188131	192860	189669	1.46	cps
Lead	207-1	166117	166470	169506	167365	1.11	cps
Lead	208-1	759198	756419	765805	760474	0.63	cps
Lithium	6-1	451672	444238	434778	443563	1.91	cps
Magnesium	24-2	414550	413767	415668	414662	0.23	cps

LB Number : LB100421 Operator : Jaswal
 Lab Sample ID : K1089-02MSDLX5 Instrumnet Name : P8
 Client Sample ID : D-01082019-01-FFMSDL Dilution Factor : 5
 Date & Time Acquired :: 2019-01-21 14:40:50 DataFile Name : 032SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	69147	70457	69958	69854	0.95	cps
Molybdenum	94-1	792087	793752	797037	794292	0.32	cps
Molybdenum	95-1	954042	957542	948196	953260	0.50	cps
Molybdenum	96-1	1056863	1056107	1053105	1055358	0.19	cps
Molybdenum	97-1	585234	593209	593251	590565	0.78	cps
Molybdenum	98-1	1578239	1610519	1591265	1593341	1.02	cps
Neodymium	150-1	0	27	53	27	100.00	cps
Neodymium	150-2	0	0	0	0	0.00	cps
Nickel	60-2	45030	44370	45581	44994	1.35	cps
Phosphorus	31-2	0	0	17	6	173.21	cps
Potassium	39-2	103135	102497	103908	103180	0.68	cps
Rhodium	103-1	2798815	2837408	2846343	2827522	0.89	cps
Rhodium	103-2	1101963	1096763	1102515	1100414	0.29	cps
Scandium	45-1	2408082	2367753	2378004	2384613	0.88	cps
Scandium	45-2	30674	30390	30557	30540	0.47	cps
Selenium	77-2	77	83	33	64	42.13	cps
Selenium	78-2	222	289	274	262	13.37	cps
Selenium	82-1	7198	6921	7024	7048	1.99	cps
Silicon	28-1	4106686	3962142	3875829	3981552	2.93	cps
Silver	109-1	440318	442187	433620	438709	1.03	cps
Silver	107-1	465156	466647	463337	465047	0.36	cps
Sodium	23-2	1960383	1927806	1953672	1947287	0.88	cps
Strontium	86-1	159379	159909	160096	159795	0.23	cps
Strontium	88-1	1362456	1371789	1372469	1368905	0.41	cps
Sulfur	34-1	367934	361875	351306	360372	2.34	cps
Terbium	159-1	3210444	3117739	3213704	3180629	1.71	cps
Terbium	159-2	986262	974310	988936	983170	0.79	cps
Thallium	203-1	233886	236117	233563	234522	0.59	cps
Thallium	205-1	557636	554487	554569	555564	0.32	cps
Tin	118-1	278440	273477	274277	275398	0.97	cps
Titanium	47-1	319166	313813	312552	315177	1.11	cps
Uranium	238-1	691430	696341	699025	695598	0.55	cps
Vanadium	51-2	56125	56601	57796	56841	1.51	cps
Yttrium	89-1	3386189	3381490	3396658	3388112	0.23	cps
Yttrium	89-2	169687	168006	170146	169280	0.67	cps
Zinc	66-2	26993	27905	27648	27515	1.71	cps

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	K1089-02MSDLX5	Instrumnet Name :	P8
Client Sample ID :	D-01082019-01-FFMSDL	Dilution Factor :	5
Date & Time Acquired ::	2019-01-21 14:40:50	DataFile Name :	032SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	90-1	665094	673343	665388	667942	0.70	cps
Zirconium	91-1	146784	147325	145210	146440	0.75	cps

LB Number : LB100421 Operator : Jaswal
 Lab Sample ID : K1089-02MSDDLX5 Instrumnet Name : P8
 Client Sample ID : D-01082019-01-FFMSDC Dilution Factor : 5
 Date & Time Acquired :: 2019-01-21 14:44:23 DataFile Name : 033SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	13117	13032	12822	12990	1.17	cps
Antimony	121-1	430002	429859	432924	430928	0.40	cps
Arsenic	75-2	10254	10339	10117	10237	1.10	cps
Barium	135-1	460359	459461	462774	460865	0.37	cps
Barium	137-1	795472	795981	794738	795397	0.08	cps
Beryllium	9-1	78369	77212	77561	77714	0.76	cps
Bismuth	209-1	1769284	1742708	1791311	1767768	1.38	cps
Bismuth	209-2	715240	682855	715571	704555	2.67	cps
Boron	10-1	12756	12423	11980	12386	3.14	cps
Boron	11-1	58127	59123	59550	58933	1.24	cps
Cadmium	111-1	97463	100796	99558	99272	1.70	cps
Cadmium	106-1	11005	11355	10780	11047	2.63	cps
Cadmium	108-1	7010	7156	7377	7181	2.57	cps
Calcium	43-1	381964	374588	378211	378254	0.98	cps
Calcium	44-1	6238975	6054360	6151029	6148121	1.50	cps
Chromium	52-2	471094	470141	468369	469868	0.29	cps
Cobalt	59-2	161315	159163	159805	160094	0.69	cps
Copper	63-2	272394	273410	271621	272475	0.33	cps
Dysprosium	156-1	0	17	17	11	86.60	cps
Dysprosium	156-2	0	7	3	3	100.05	cps
Erbium	164-1	17	42	8	22	78.07	cps
Erbium	164-2	10	0	10	7	86.60	cps
Gadolinium	160-1	8	50	8	22	108.27	cps
Gadolinium	160-2	7	13	3	8	65.47	cps
Holmium	165-1	3046384	3074688	3092907	3071327	0.76	cps
Holmium	165-2	986149	938052	988956	971052	2.95	cps
Indium	115-1	2877783	2883284	2903676	2888248	0.47	cps
Indium	115-2	200036	188507	201194	196579	3.57	cps
Iron	56-2	2796223	2750398	2803649	2783423	1.04	cps
Iron	57-2	68300	68725	67038	68021	1.29	cps
Krypton	83-1	570	540	447	519	12.40	cps
Lead	206-1	200167	201453	207138	202919	1.83	cps
Lead	207-1	177998	176393	181159	178517	1.36	cps
Lead	208-1	803162	805182	822064	810136	1.28	cps
Lithium	6-1	437952	433023	434928	435301	0.57	cps
Magnesium	24-2	418375	418179	421176	419243	0.40	cps

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	K1089-02MSDDLX5	Instrumnet Name :	P8
Client Sample ID :	D-01082019-01-FFMSDC	Dilution Factor :	5
Date & Time Acquired ::	2019-01-21 14:44:23	DataFile Name :	033SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	68460	69593	70674	69576	1.59	cps
Molybdenum	94-1	819712	823096	812254	818354	0.68	cps
Molybdenum	95-1	985941	996363	995414	992572	0.58	cps
Molybdenum	96-1	1090642	1092875	1096218	1093245	0.26	cps
Molybdenum	97-1	612989	607254	608535	609593	0.49	cps
Molybdenum	98-1	1647430	1619401	1668238	1645023	1.49	cps
Neodymium	150-1	0	27	27	18	86.60	cps
Neodymium	150-2	0	3	0	1	173.21	cps
Nickel	60-2	46200	46427	46959	46529	0.84	cps
Phosphorus	31-2	17	0	8	8	100.02	cps
Potassium	39-2	105670	102137	104427	104078	1.72	cps
Rhodium	103-1	2888799	2824208	2889595	2867534	1.31	cps
Rhodium	103-2	1099265	1050787	1092551	1080868	2.43	cps
Scandium	45-1	2359967	2335443	2367346	2354252	0.71	cps
Scandium	45-2	30069	27951	29498	29173	3.76	cps
Selenium	77-2	73	87	60	73	18.18	cps
Selenium	78-2	270	243	254	256	5.47	cps
Selenium	82-1	7007	7210	7197	7138	1.59	cps
Silicon	28-1	3962121	3915031	3851639	3909597	1.42	cps
Silver	109-1	455988	453231	457057	455425	0.43	cps
Silver	107-1	485481	485898	483075	484818	0.31	cps
Sodium	23-2	1957620	1940368	1921914	1939968	0.92	cps
Strontium	86-1	162911	165407	163889	164069	0.77	cps
Strontium	88-1	1439074	1427994	1437691	1434920	0.42	cps
Sulfur	34-1	347478	343506	339832	343605	1.11	cps
Terbium	159-1	3311245	3275654	3323460	3303453	0.75	cps
Terbium	159-2	995913	944169	986893	975658	2.83	cps
Thallium	203-1	248778	252390	250939	250702	0.72	cps
Thallium	205-1	593816	605127	606575	601839	1.16	cps
Tin	118-1	285569	286554	282375	284833	0.77	cps
Titanium	47-1	314342	314514	315648	314834	0.23	cps
Uranium	238-1	748406	753221	748159	749929	0.38	cps
Vanadium	51-2	58137	58679	58455	58424	0.47	cps
Yttrium	89-1	3371870	3339554	3414817	3375414	1.12	cps
Yttrium	89-2	166974	159070	165516	163853	2.57	cps
Zinc	66-2	28556	28890	27932	28459	1.71	cps

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	K1089-02MSDDLX5	Instrumnet Name :	P8
Client Sample ID :	D-01082019-01-FFMSDE	Dilution Factor :	5
Date & Time Acquired ::	2019-01-21 14:44:23	DataFile Name :	033SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	90-1	694007	683023	682697	686576	0.94	cps
Zirconium	91-1	153407	150178	150507	151364	1.17	cps

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	K1089-02ADLX5	Instrumnet Name :	P8
Client Sample ID :	D-01082019-01-FFADL	Dilution Factor :	5
Date & Time Acquired ::	2019-01-21 14:47:55	DataFile Name :	034SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	12674	12779	12681	12711	0.46	cps
Antimony	121-1	427172	427906	426658	427245	0.15	cps
Arsenic	75-2	10041	10106	9917	10021	0.96	cps
Barium	135-1	456707	454608	459957	457091	0.59	cps
Barium	137-1	782692	780703	795723	786373	1.04	cps
Beryllium	9-1	76355	75256	74669	75427	1.13	cps
Bismuth	209-1	1827690	1802685	1844988	1825121	1.17	cps
Bismuth	209-2	737738	731747	721878	730454	1.10	cps
Boron	10-1	11739	12214	12714	12222	3.99	cps
Boron	11-1	56002	57776	56337	56705	1.66	cps
Cadmium	111-1	98657	97030	97529	97739	0.85	cps
Cadmium	106-1	10488	10246	10646	10460	1.93	cps
Cadmium	108-1	6989	7344	7181	7171	2.47	cps
Calcium	43-1	368505	367788	367261	367852	0.17	cps
Calcium	44-1	6076604	6093451	5921236	6030430	1.57	cps
Chromium	52-2	457698	457684	456412	457265	0.16	cps
Cobalt	59-2	152278	152797	151894	152323	0.30	cps
Copper	63-2	265625	263276	261828	263576	0.73	cps
Dysprosium	156-1	0	33	25	19	89.22	cps
Dysprosium	156-2	3	7	3	4	43.40	cps
Erbium	164-1	8	33	0	14	124.91	cps
Erbium	164-2	7	3	3	4	43.40	cps
Gadolinium	160-1	17	33	50	33	50.00	cps
Gadolinium	160-2	13	3	10	9	57.30	cps
Holmium	165-1	3144283	3128946	3171039	3148089	0.68	cps
Holmium	165-2	1004472	991459	989390	995107	0.82	cps
Indium	115-1	2937219	2927372	2911618	2925403	0.44	cps
Indium	115-2	201478	199435	200086	200333	0.52	cps
Iron	56-2	2697866	2701125	2687782	2695591	0.26	cps
Iron	57-2	64706	65292	64717	64905	0.52	cps
Krypton	83-1	437	483	510	477	7.79	cps
Lead	206-1	206068	201609	202455	203378	1.16	cps
Lead	207-1	179468	178529	177845	178614	0.46	cps
Lead	208-1	814544	812348	808964	811952	0.35	cps
Lithium	6-1	440991	432603	424818	432804	1.87	cps
Magnesium	24-2	403153	407003	403693	404616	0.52	cps

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	K1089-02ADLX5	Instrumnet Name :	P8
Client Sample ID :	D-01082019-01-FFADL	Dilution Factor :	5
Date & Time Acquired ::	2019-01-21 14:47:55	DataFile Name :	034SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	67298	67864	67502	67555	0.42	cps
Molybdenum	94-1	801053	807110	802614	803592	0.39	cps
Molybdenum	95-1	980866	976633	970149	975882	0.55	cps
Molybdenum	96-1	1071013	1073367	1072957	1072446	0.12	cps
Molybdenum	97-1	600624	600455	596646	599241	0.38	cps
Molybdenum	98-1	1599869	1590106	1568383	1586119	1.02	cps
Neodymium	150-1	27	20	33	27	24.99	cps
Neodymium	150-2	0	0	0	0	0.00	cps
Nickel	60-2	45789	45554	45912	45752	0.40	cps
Phosphorus	31-2	0	17	8	8	100.02	cps
Potassium	39-2	99928	99954	98804	99562	0.66	cps
Rhodium	103-1	2912038	2910298	2862154	2894830	0.98	cps
Rhodium	103-2	1113124	1108676	1106995	1109598	0.29	cps
Scandium	45-1	2329457	2312623	2308358	2316813	0.48	cps
Scandium	45-2	29795	29912	29438	29715	0.83	cps
Selenium	77-2	90	70	60	73	20.83	cps
Selenium	78-2	243	241	283	256	9.42	cps
Selenium	82-1	7312	7077	7043	7144	2.06	cps
Silicon	28-1	3814139	3773890	3777775	3788601	0.59	cps
Silver	109-1	449619	443861	442816	445432	0.82	cps
Silver	107-1	475996	468275	472995	472422	0.82	cps
Sodium	23-2	1900753	1910116	1891140	1900670	0.50	cps
Strontium	86-1	163029	159986	162513	161843	1.01	cps
Strontium	88-1	1405135	1379923	1375587	1386882	1.15	cps
Sulfur	34-1	334443	332037	330220	332233	0.64	cps
Terbium	159-1	3366057	3351428	3373084	3363523	0.33	cps
Terbium	159-2	1013436	999162	1003448	1005349	0.73	cps
Thallium	203-1	252538	249450	252546	251511	0.71	cps
Thallium	205-1	601137	598158	584438	594577	1.50	cps
Tin	118-1	286483	286918	283705	285702	0.61	cps
Titanium	47-1	307392	307268	305819	306826	0.29	cps
Uranium	238-1	759183	752270	747789	753081	0.76	cps
Vanadium	51-2	56604	55620	56072	56099	0.88	cps
Yttrium	89-1	3397820	3373355	3426903	3399359	0.79	cps
Yttrium	89-2	170273	167540	167041	168285	1.03	cps
Zinc	66-2	27765	27574	27360	27566	0.73	cps

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	K1089-02ADLX5	Instrumnet Name :	P8
Client Sample ID :	D-01082019-01-FFADL	Dilution Factor :	5
Date & Time Acquired ::	2019-01-21 14:47:55	DataFile Name :	034SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	90-1	682686	675234	674341	677421	0.68	cps
Zirconium	91-1	147954	151298	148821	149358	1.16	cps

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	CCV52	Instrumnet Name :	P8
Client Sample ID :	CCV52	Dilution Factor :	1
Date & Time Acquired ::	2019-01-21 14:52:46	DataFile Name :	035CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	374417	376444	382283	377715	1.08	cps
Antimony	121-1	2303729	2325364	2295379	2308157	0.67	cps
Arsenic	75-2	55477	55578	55965	55673	0.46	cps
Barium	135-1	2282776	2301978	2260840	2281864	0.90	cps
Barium	137-1	3855765	3949453	3855820	3887013	1.39	cps
Beryllium	9-1	444320	445268	444753	444780	0.11	cps
Bismuth	209-1	1750546	1668962	1695845	1705118	2.44	cps
Bismuth	209-2	715622	718908	715652	716727	0.26	cps
Boron	10-1	63107	64680	63993	63926	1.23	cps
Boron	11-1	303101	308508	312599	308069	1.55	cps
Cadmium	111-1	500771	505045	502681	502832	0.43	cps
Cadmium	106-1	52093	52754	53089	52646	0.96	cps
Cadmium	108-1	36102	36232	35861	36065	0.52	cps
Calcium	43-1	3317437	3377578	3326975	3340663	0.97	cps
Calcium	44-1	53668794	54614389	53505034	53929406	1.11	cps
Chromium	52-2	423944	423225	428172	425114	0.63	cps
Cobalt	59-2	810201	811348	823396	814982	0.90	cps
Copper	63-2	1311685	1312886	1317494	1314022	0.23	cps
Dysprosium	156-1	50	42	17	36	48.03	cps
Dysprosium	156-2	10	3	13	9	57.30	cps
Erbium	164-1	17	33	8	19	65.47	cps
Erbium	164-2	3	7	0	3	100.05	cps
Gadolinium	160-1	50	67	42	53	24.12	cps
Gadolinium	160-2	10	17	27	18	47.19	cps
Holmium	165-1	3049289	3095657	3045283	3063410	0.91	cps
Holmium	165-2	1014586	1016511	999453	1010183	0.92	cps
Indium	115-1	2790362	2807779	2793011	2797051	0.34	cps
Indium	115-2	200893	201144	202795	201611	0.51	cps
Iron	56-2	69002920	68626407	69371459	69000262	0.54	cps
Iron	57-2	1766786	1755960	1775979	1766242	0.57	cps
Krypton	83-1	680	477	577	578	17.60	cps
Lead	206-1	1008227	1020569	989302	1006032	1.57	cps
Lead	207-1	920317	915347	899601	911755	1.19	cps
Lead	208-1	4240062	4239358	4186495	4221971	0.73	cps
Lithium	6-1	464842	469821	462766	465810	0.78	cps
Magnesium	24-2	8207362	8248461	8334783	8263535	0.79	cps

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	CCV52	Instrumnet Name :	P8
Client Sample ID :	CCV52	Dilution Factor :	1
Date & Time Acquired ::	2019-01-21 14:52:46	DataFile Name :	035CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	249587	248458	254377	250808	1.25	cps
Molybdenum	94-1	4249845	4303886	4253460	4269064	0.71	cps
Molybdenum	95-1	5318586	5393846	5318720	5343717	0.81	cps
Molybdenum	96-1	5814347	5827274	5793530	5811717	0.29	cps
Molybdenum	97-1	3201946	3264265	3210304	3225505	1.05	cps
Molybdenum	98-1	8335645	8351418	8259096	8315386	0.59	cps
Neodymium	150-1	147	120	100	122	19.16	cps
Neodymium	150-2	13	10	20	14	35.26	cps
Nickel	60-2	238721	238528	238822	238690	0.06	cps
Phosphorus	31-2	6177	6002	6343	6174	2.77	cps
Potassium	39-2	2544629	2544998	2569854	2553161	0.57	cps
Rhodium	103-1	2761123	2800428	2757144	2772898	0.86	cps
Rhodium	103-2	1076789	1076691	1075886	1076455	0.05	cps
Scandium	45-1	2397026	2420296	2401749	2406357	0.51	cps
Scandium	45-2	32060	32080	32468	32203	0.71	cps
Selenium	77-2	430	350	393	391	10.24	cps
Selenium	78-2	1374	1422	1422	1406	1.98	cps
Selenium	82-1	36292	36969	36555	36605	0.93	cps
Silicon	28-1	1730003	1777107	1756604	1754571	1.35	cps
Silver	109-1	2403296	2395596	2384257	2394383	0.40	cps
Silver	107-1	2488800	2511103	2460298	2486734	1.02	cps
Sodium	23-2	19625323	19478341	19619573	19574412	0.43	cps
Strontium	86-1	652891	665094	652422	656802	1.09	cps
Strontium	88-1	5754798	5792858	5695322	5747660	0.86	cps
Sulfur	34-1	569859	568824	570804	569829	0.17	cps
Terbium	159-1	3281283	3260123	3238037	3259814	0.66	cps
Terbium	159-2	1008106	1012260	1016645	1012337	0.42	cps
Thallium	203-1	1263614	1271796	1237940	1257783	1.40	cps
Thallium	205-1	3144425	3111828	3014333	3090195	2.19	cps
Tin	118-1	1497028	1511436	1497076	1501847	0.55	cps
Titanium	47-1	1733077	1728685	1731107	1730956	0.13	cps
Uranium	238-1	4029562	4046262	3941329	4005718	1.41	cps
Vanadium	51-2	314835	315662	315678	315392	0.15	cps
Yttrium	89-1	3395082	3451994	3404742	3417272	0.89	cps
Yttrium	89-2	177311	176508	178371	177397	0.53	cps
Zinc	66-2	140985	142426	141813	141741	0.51	cps

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	CCV52	Instrumnet Name :	P8
Client Sample ID :	CCV52	Dilution Factor :	1
Date & Time Acquired ::	2019-01-21 14:52:46	DataFile Name :	035CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	90-1	3586381	3615995	3582898	3595091	0.51	cps
Zirconium	91-1	773421	775784	773175	774127	0.19	cps

LB Number : LB100421 Operator : Jaswal
 Lab Sample ID : CCB52 Instrumnet Name : P8
 Client Sample ID : CCB52 Dilution Factor : 1
 Date & Time Acquired :: 2019-01-21 14:57:29 DataFile Name : 036CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	53	40	83	58	37.44	cps
Antimony	121-1	592	542	900	678	28.63	cps
Arsenic	75-2	19	11	13	14	27.17	cps
Barium	135-1	133	150	183	156	16.37	cps
Barium	137-1	225	183	200	203	10.34	cps
Beryllium	9-1	100	93	107	100	6.66	cps
Bismuth	209-1	1843584	1837832	1835140	1838852	0.23	cps
Bismuth	209-2	790644	788931	787769	789114	0.18	cps
Boron	10-1	742	675	667	694	5.92	cps
Boron	11-1	3176	3259	2950	3128	5.10	cps
Cadmium	111-1	590	500	555	549	8.27	cps
Cadmium	106-1	842	683	750	758	10.48	cps
Cadmium	108-1	4	4	4	4	0.00	cps
Calcium	43-1	433	393	413	413	4.84	cps
Calcium	44-1	30907	31195	31065	31056	0.46	cps
Chromium	52-2	1747	1673	1540	1653	6.34	cps
Cobalt	59-2	90	143	107	113	24.08	cps
Copper	63-2	827	740	700	756	8.57	cps
Dysprosium	156-1	33	50	8	31	68.64	cps
Dysprosium	156-2	0	0	3	1	173.21	cps
Erbium	164-1	25	33	17	25	33.32	cps
Erbium	164-2	3	3	0	2	86.60	cps
Gadolinium	160-1	17	0	25	14	91.65	cps
Gadolinium	160-2	7	0	3	3	100.05	cps
Holmium	165-1	3067676	3153343	3073541	3098187	1.54	cps
Holmium	165-2	1060798	1061368	1065480	1062549	0.24	cps
Indium	115-1	2998161	2962367	2951147	2970558	0.83	cps
Indium	115-2	219806	221178	224529	221838	1.10	cps
Iron	56-2	6213	5585	5635	5811	6.01	cps
Iron	57-2	150	122	122	131	12.20	cps
Krypton	83-1	493	497	613	534	12.79	cps
Lead	206-1	817	772	767	785	3.49	cps
Lead	207-1	683	895	711	763	15.03	cps
Lead	208-1	3128	3345	3000	3158	5.51	cps
Lithium	6-1	508322	511535	509414	509757	0.32	cps
Magnesium	24-2	683	608	533	608	12.33	cps

LB Number : LB100421 Operator : Jaswal
 Lab Sample ID : CCB52 Instrumnet Name : P8
 Client Sample ID : CCB52 Dilution Factor : 1
 Date & Time Acquired :: 2019-01-21 14:57:29 DataFile Name : 036CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	90	77	90	86	9.00	cps
Molybdenum	94-1	492	558	483	511	8.04	cps
Molybdenum	95-1	392	617	500	503	22.38	cps
Molybdenum	96-1	533	575	567	558	3.95	cps
Molybdenum	97-1	367	558	375	433	25.00	cps
Molybdenum	98-1	833	883	625	781	17.55	cps
Neodymium	150-1	0	13	13	9	86.60	cps
Neodymium	150-2	3	0	0	1	173.21	cps
Nickel	60-2	87	90	93	90	3.71	cps
Phosphorus	31-2	8	25	17	17	50.01	cps
Potassium	39-2	5326	5902	5843	5690	5.56	cps
Rhodium	103-1	3011562	3014502	3048575	3024880	0.68	cps
Rhodium	103-2	1182375	1192037	1185434	1186615	0.42	cps
Scandium	45-1	2525858	2463886	2485962	2491902	1.26	cps
Scandium	45-2	32785	32765	31950	32500	1.47	cps
Selenium	77-2	0	7	3	3	100.05	cps
Selenium	78-2	4	4	0	2	86.60	cps
Selenium	82-1	76	87	-47	39	191.37	cps
Silicon	28-1	267231	265769	266457	266486	0.27	cps
Silver	109-1	575	675	500	583	15.05	cps
Silver	107-1	475	467	442	461	3.76	cps
Sodium	23-2	14299	15117	14174	14530	3.52	cps
Strontium	86-1	975	817	892	895	8.86	cps
Strontium	88-1	292	408	333	344	17.17	cps
Sulfur	34-1	363847	367263	365520	365543	0.47	cps
Terbium	159-1	3317435	3308270	3329519	3318408	0.32	cps
Terbium	159-2	1061975	1069998	1070674	1067549	0.45	cps
Thallium	203-1	200	200	167	189	10.19	cps
Thallium	205-1	242	358	275	292	20.60	cps
Tin	118-1	375	392	308	358	12.31	cps
Titanium	47-1	183	208	192	194	6.55	cps
Uranium	238-1	158	242	250	217	23.40	cps
Vanadium	51-2	37	20	10	22	60.63	cps
Yttrium	89-1	3537504	3492010	3495001	3508172	0.73	cps
Yttrium	89-2	182572	183283	183373	183076	0.24	cps
Zinc	66-2	140	77	50	89	52.01	cps

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	CCB52	Instrumnet Name :	P8
Client Sample ID :	CCB52	Dilution Factor :	1
Date & Time Acquired ::	2019-01-21 14:57:29	DataFile Name :	036CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	90-1	292	417	425	378	19.77	cps
Zirconium	91-1	100	117	50	89	39.03	cps

LB Number : LB100421 Operator : Jaswal
 Lab Sample ID : K1079-06 Instrumnet Name : P8
 Client Sample ID : EPA-MW-29-BR-0107201 Dilution Factor : 1
 Date & Time Acquired :: 2019-01-21 15:07:22 DataFile Name : 037SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	60	65	68	64	5.95	cps
Antimony	121-1	883	717	942	847	13.78	cps
Arsenic	75-2	161	206	196	188	12.50	cps
Barium	135-1	124767	123472	124094	124111	0.52	cps
Barium	137-1	211331	212359	215220	212970	0.95	cps
Beryllium	9-1	70	53	47	57	21.21	cps
Bismuth	209-1	1625488	1693420	1653060	1657323	2.06	cps
Bismuth	209-2	750118	742642	759253	750671	1.11	cps
Boron	10-1	5785	6777	6435	6332	7.96	cps
Boron	11-1	29548	30642	30600	30264	2.05	cps
Cadmium	111-1	472	528	560	520	8.57	cps
Cadmium	106-1	633	667	708	669	5.61	cps
Cadmium	108-1	25	25	4	18	66.60	cps
Calcium	43-1	1229925	1267568	1239304	1245599	1.57	cps
Calcium	44-1	19959554	20147459	20011778	20039597	0.48	cps
Chromium	52-2	567325	566340	568728	567464	0.21	cps
Cobalt	59-2	2824	2804	2714	2780	2.11	cps
Copper	63-2	1093	1000	1057	1050	4.48	cps
Dysprosium	156-1	8	25	42	25	66.68	cps
Dysprosium	156-2	10	0	3	4	114.60	cps
Erbium	164-1	25	50	8	28	75.51	cps
Erbium	164-2	7	17	10	11	45.82	cps
Gadolinium	160-1	42	17	17	25	57.73	cps
Gadolinium	160-2	7	7	0	4	86.60	cps
Holmium	165-1	2961397	2958314	2994530	2971414	0.68	cps
Holmium	165-2	1041651	1027352	1032759	1033921	0.70	cps
Indium	115-1	2809910	2861123	2839578	2836870	0.91	cps
Indium	115-2	215657	210938	216111	214235	1.34	cps
Iron	56-2	32154	31737	31804	31898	0.70	cps
Iron	57-2	850	778	822	817	4.46	cps
Krypton	83-1	497	453	443	464	6.10	cps
Lead	206-1	417	528	450	465	12.27	cps
Lead	207-1	333	300	311	315	5.39	cps
Lead	208-1	1533	1550	1578	1554	1.45	cps
Lithium	6-1	496536	504894	502851	501427	0.87	cps
Magnesium	24-2	518172	516434	520586	518397	0.40	cps

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	K1079-06	Instrumnet Name :	P8
Client Sample ID :	EPA-MW-29-BR-0107201	Dilution Factor :	1
Date & Time Acquired ::	2019-01-21 15:07:22	DataFile Name :	037SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	451644	452936	452622	452401	0.15	cps
Molybdenum	94-1	825	833	917	858	5.91	cps
Molybdenum	95-1	1100	1008	1292	1133	12.76	cps
Molybdenum	96-1	1283	1325	1517	1375	9.05	cps
Molybdenum	97-1	825	642	850	772	14.73	cps
Molybdenum	98-1	1992	1967	1734	1897	7.51	cps
Neodymium	150-1	7	0	20	9	114.55	cps
Neodymium	150-2	0	0	3	1	173.21	cps
Nickel	60-2	3904	3954	4114	3991	2.75	cps
Phosphorus	31-2	8	17	17	14	34.67	cps
Potassium	39-2	40844	40267	41571	40894	1.60	cps
Rhodium	103-1	2787811	2850800	2853570	2830727	1.31	cps
Rhodium	103-2	1114258	1105773	1128838	1116289	1.05	cps
Scandium	45-1	2363272	2441827	2428826	2411308	1.75	cps
Scandium	45-2	31873	32067	32277	32072	0.63	cps
Selenium	77-2	0	3	3	2	86.60	cps
Selenium	78-2	15	11	2	9	72.14	cps
Selenium	82-1	180	179	154	171	8.49	cps
Silicon	28-1	19330378	19429926	19446778	19402361	0.32	cps
Silver	109-1	467	392	308	389	20.37	cps
Silver	107-1	425	275	442	381	24.12	cps
Sodium	23-2	7023085	6970478	7041336	7011633	0.52	cps
Strontium	86-1	173514	173728	173052	173432	0.20	cps
Strontium	88-1	1529281	1524276	1550728	1534762	0.92	cps
Sulfur	34-1	546877	544761	547052	546230	0.23	cps
Terbium	159-1	3150928	3207580	3198371	3185626	0.95	cps
Terbium	159-2	1036750	1020666	1044245	1033887	1.17	cps
Thallium	203-1	58	33	67	53	32.88	cps
Thallium	205-1	158	183	133	158	15.79	cps
Tin	118-1	300	342	425	356	17.90	cps
Titanium	47-1	242	417	258	306	31.61	cps
Uranium	238-1	2167	2409	2542	2373	8.01	cps
Vanadium	51-2	260	173	247	227	20.59	cps
Yttrium	89-1	3314978	3394890	3394334	3368067	1.37	cps
Yttrium	89-2	180647	177676	181448	179923	1.10	cps
Zinc	66-2	933	860	773	856	9.36	cps

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	K1079-06	Instrumnet Name :	P8
Client Sample ID :	EPA-MW-29-BR-0107201	Dilution Factor :	1
Date & Time Acquired ::	2019-01-21 15:07:22	DataFile Name :	037SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	90-1	533	583	508	542	7.05	cps
Zirconium	91-1	133	150	83	122	28.39	cps

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	K1079-08	Instrumnet Name :	P8
Client Sample ID :	EPA-MW-29-OB-010720	Dilution Factor :	1
Date & Time Acquired ::	2019-01-21 15:10:55	DataFile Name :	038SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	4069	4109	4187	4122	1.45	cps
Antimony	121-1	35432	37086	36250	36256	2.28	cps
Arsenic	75-2	22	33	15	23	39.74	cps
Barium	135-1	3826	3717	3559	3701	3.62	cps
Barium	137-1	6869	6527	6444	6613	3.41	cps
Beryllium	9-1	220	207	237	221	6.80	cps
Bismuth	209-1	1811244	1806715	1835650	1817870	0.86	cps
Bismuth	209-2	785271	787740	783347	785453	0.28	cps
Boron	10-1	42640	43140	45055	43612	2.92	cps
Boron	11-1	210550	212120	221105	214592	2.65	cps
Cadmium	111-1	4422	4293	4330	4348	1.53	cps
Cadmium	106-1	1033	867	1017	972	9.44	cps
Cadmium	108-1	271	300	225	265	14.25	cps
Calcium	43-1	576634	585770	586740	583048	0.96	cps
Calcium	44-1	9531451	9538877	9665707	9578678	0.79	cps
Chromium	52-2	35785278	35580477	35238133	35534629	0.78	cps
Cobalt	59-2	16190	16610	15939	16246	2.09	cps
Copper	63-2	1441317	1448636	1432764	1440906	0.55	cps
Dysprosium	156-1	500	517	492	503	2.53	cps
Dysprosium	156-2	237	217	143	199	24.71	cps
Erbium	164-1	617	717	692	675	7.71	cps
Erbium	164-2	180	213	163	186	13.72	cps
Gadolinium	160-1	658	558	600	606	8.29	cps
Gadolinium	160-2	287	213	257	252	14.62	cps
Holmium	165-1	3046496	3091483	3187445	3108474	2.32	cps
Holmium	165-2	1074001	1083793	1061471	1073089	1.04	cps
Indium	115-1	2875994	2913486	2974682	2921387	1.71	cps
Indium	115-2	214453	217433	213497	215127	0.95	cps
Iron	56-2	439597	444007	443426	442343	0.54	cps
Iron	57-2	11194	11077	10793	11021	1.87	cps
Krypton	83-1	473	477	550	500	8.67	cps
Lead	206-1	1761	1800	1795	1785	1.18	cps
Lead	207-1	1461	1617	1433	1504	6.57	cps
Lead	208-1	6857	7018	6957	6944	1.17	cps
Lithium	6-1	509358	518750	525307	517805	1.55	cps
Magnesium	24-2	240251	240756	236484	239164	0.98	cps

LB Number : LB100421 Operator : Jaswal
 Lab Sample ID : K1079-08 Instrumnet Name : P8
 Client Sample ID : EPA-MW-29-OB-010720 Dilution Factor : 1
 Date & Time Acquired :: 2019-01-21 15:10:55 DataFile Name : 038SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	191625	193916	194687	193409	0.82	cps
Molybdenum	94-1	1267	1675	1275	1406	16.61	cps
Molybdenum	95-1	875	1042	842	920	11.65	cps
Molybdenum	96-1	1092	1133	1108	1111	1.89	cps
Molybdenum	97-1	667	642	667	658	2.19	cps
Molybdenum	98-1	1358	1450	1575	1461	7.44	cps
Neodymium	150-1	593	473	560	542	11.42	cps
Neodymium	150-2	137	137	117	130	8.88	cps
Nickel	60-2	37440	37163	36862	37155	0.78	cps
Phosphorus	31-2	25	0	42	22	94.38	cps
Potassium	39-2	44036	45048	44212	44432	1.22	cps
Rhodium	103-1	2884406	2930216	2950632	2921751	1.16	cps
Rhodium	103-2	1123920	1139122	1117003	1126682	1.00	cps
Scandium	45-1	2441533	2464967	2474223	2460241	0.68	cps
Scandium	45-2	31472	30777	31018	31089	1.14	cps
Selenium	77-2	0	3	17	7	132.33	cps
Selenium	78-2	9	6	9	8	26.61	cps
Selenium	82-1	223	184	176	194	12.97	cps
Silicon	28-1	100450348	100626413	101726459	100934406	0.69	cps
Silver	109-1	467	500	592	519	12.46	cps
Silver	107-1	517	533	433	494	10.84	cps
Sodium	23-2	13334922	13409026	13107725	13283891	1.18	cps
Strontium	86-1	50628	51615	49358	50534	2.24	cps
Strontium	88-1	423637	423075	428023	424911	0.64	cps
Sulfur	34-1	844872	857204	856671	852916	0.82	cps
Terbium	159-1	3304668	3303523	3361320	3323170	0.99	cps
Terbium	159-2	1071301	1066664	1064612	1067526	0.32	cps
Thallium	203-1	83	92	50	75	29.40	cps
Thallium	205-1	108	83	108	100	14.43	cps
Tin	118-1	275	342	492	369	30.04	cps
Titanium	47-1	1517	1684	1767	1656	7.69	cps
Uranium	238-1	458	458	475	464	2.07	cps
Vanadium	51-2	110	73	93	92	19.91	cps
Yttrium	89-1	3435118	3473427	3515677	3474741	1.16	cps
Yttrium	89-2	177075	179742	176862	177893	0.90	cps
Zinc	66-2	13947	14001	14031	13993	0.30	cps

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	K1079-08	Instrumnet Name :	P8
Client Sample ID :	EPA-MW-29-OB-010720	Dilution Factor :	1
Date & Time Acquired ::	2019-01-21 15:10:55	DataFile Name :	038SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	90-1	2434	2509	2325	2423	3.81	cps
Zirconium	91-1	575	675	525	592	12.91	cps

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	K1079-12	Instrumnet Name :	P8
Client Sample ID :	EPA-MW-39-OB-010720	Dilution Factor :	1
Date & Time Acquired ::	2019-01-21 15:14:26	DataFile Name :	039SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	9305	9128	9303	9245	1.10	cps
Antimony	121-1	750	858	717	775	9.56	cps
Arsenic	75-2	148	102	198	149	32.24	cps
Barium	135-1	112744	115164	115880	114596	1.43	cps
Barium	137-1	193548	197777	199206	196844	1.49	cps
Beryllium	9-1	1340	1303	1403	1349	3.75	cps
Bismuth	209-1	1757017	1779946	1816273	1784412	1.67	cps
Bismuth	209-2	778963	784317	785688	782989	0.45	cps
Boron	10-1	305971	313485	319143	312867	2.11	cps
Boron	11-1	1545005	1588987	1644539	1592843	3.13	cps
Cadmium	111-1	322863	328038	330889	327263	1.24	cps
Cadmium	106-1	29057	30578	31313	30316	3.79	cps
Cadmium	108-1	21885	21563	21538	21662	0.89	cps
Calcium	43-1	1294826	1311650	1296002	1300826	0.72	cps
Calcium	44-1	20723988	20874399	21093579	20897322	0.89	cps
Chromium	52-2	34883376	34920824	35006309	34936837	0.18	cps
Cobalt	59-2	34336	33824	33998	34053	0.76	cps
Copper	63-2	1805096	1774787	1788766	1789550	0.85	cps
Dysprosium	156-1	31230	31781	32608	31873	2.18	cps
Dysprosium	156-2	13254	13153	13531	13313	1.47	cps
Erbium	164-1	30153	30236	29860	30083	0.66	cps
Erbium	164-2	10217	10117	10041	10125	0.88	cps
Gadolinium	160-1	34438	34455	35315	34736	1.44	cps
Gadolinium	160-2	16611	15596	16027	16078	3.17	cps
Holmium	165-1	3123882	3129102	3159253	3137412	0.61	cps
Holmium	165-2	1080156	1083238	1077840	1080411	0.25	cps
Indium	115-1	2885240	2924024	2938948	2916071	0.95	cps
Indium	115-2	214438	214163	216004	214868	0.46	cps
Iron	56-2	37456	36860	36944	37087	0.87	cps
Iron	57-2	1000	911	1022	978	6.01	cps
Krypton	83-1	603	487	520	537	11.20	cps
Lead	206-1	550	717	628	632	13.21	cps
Lead	207-1	544	567	539	550	2.67	cps
Lead	208-1	2322	2606	2550	2493	6.02	cps
Lithium	6-1	506665	511746	516230	511547	0.94	cps
Magnesium	24-2	561357	562726	563098	562394	0.16	cps

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	K1079-12	Instrumnet Name :	P8
Client Sample ID :	EPA-MW-39-OB-010720	Dilution Factor :	1
Date & Time Acquired ::	2019-01-21 15:14:26	DataFile Name :	039SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	1912456	1919260	1927377	1919698	0.39	cps
Molybdenum	94-1	842	875	875	864	2.23	cps
Molybdenum	95-1	1358	1617	1383	1453	9.81	cps
Molybdenum	96-1	1567	1475	1408	1483	5.36	cps
Molybdenum	97-1	1058	983	967	1003	4.87	cps
Molybdenum	98-1	2409	2025	2050	2161	9.93	cps
Neodymium	150-1	31151	32548	32394	32031	2.39	cps
Neodymium	150-2	7122	7119	7105	7115	0.12	cps
Nickel	60-2	356402	352874	353331	354203	0.54	cps
Phosphorus	31-2	17	25	17	19	24.73	cps
Potassium	39-2	82467	83355	81109	82310	1.37	cps
Rhodium	103-1	2850853	2880926	2907592	2879790	0.99	cps
Rhodium	103-2	1126306	1123910	1132108	1127441	0.37	cps
Scandium	45-1	2414275	2409085	2460832	2428064	1.17	cps
Scandium	45-2	31275	30938	30273	30828	1.65	cps
Selenium	77-2	53	73	83	70	21.83	cps
Selenium	78-2	65	44	67	59	21.02	cps
Selenium	82-1	262	375	310	316	17.97	cps
Silicon	28-1	30422300	30105372	30436306	30321326	0.62	cps
Silver	109-1	275	208	292	258	17.07	cps
Silver	107-1	333	250	292	292	14.28	cps
Sodium	23-2	20484344	20505857	20351359	20447187	0.41	cps
Strontium	86-1	440401	440075	446935	442470	0.87	cps
Strontium	88-1	3905837	3869564	3926382	3900594	0.74	cps
Sulfur	34-1	2418117	2415365	2427840	2420441	0.27	cps
Terbium	159-1	3320784	3325432	3395214	3347143	1.25	cps
Terbium	159-2	1077171	1085428	1082509	1081703	0.39	cps
Thallium	203-1	67	133	142	114	36.09	cps
Thallium	205-1	383	267	333	328	17.86	cps
Tin	118-1	300	358	375	344	11.43	cps
Titanium	47-1	367	317	308	331	9.54	cps
Uranium	238-1	1392	1333	1192	1306	7.88	cps
Vanadium	51-2	143	127	120	130	9.25	cps
Yttrium	89-1	4189772	4173219	4255991	4206327	1.04	cps
Yttrium	89-2	215997	217111	216705	216604	0.26	cps
Zinc	66-2	79811	79701	80140	79884	0.29	cps

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	K1079-12	Instrumnet Name :	P8
Client Sample ID :	EPA-MW-39-OB-010720	Dilution Factor :	1
Date & Time Acquired ::	2019-01-21 15:14:26	DataFile Name :	039SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	90-1	417	308	383	369	15.02	cps
Zirconium	91-1	58	92	100	83	26.46	cps

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	K1079-12DUP	Instrumnet Name :	P8
Client Sample ID :	EPA-MW-39-OB-010720	Dilution Factor :	1
Date & Time Acquired ::	2019-01-21 15:17:54	DataFile Name :	040SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	9396	9473	9325	9398	0.79	cps
Antimony	121-1	908	717	950	858	14.50	cps
Arsenic	75-2	152	130	169	150	13.01	cps
Barium	135-1	117326	115013	115014	115785	1.15	cps
Barium	137-1	199561	200755	201640	200652	0.52	cps
Beryllium	9-1	1257	1380	1460	1366	7.50	cps
Bismuth	209-1	1801856	1811109	1842636	1818534	1.18	cps
Bismuth	209-2	782695	788007	796976	789226	0.91	cps
Boron	10-1	314251	320619	325991	320287	1.83	cps
Boron	11-1	1570424	1612499	1656267	1613063	2.66	cps
Cadmium	111-1	331847	332118	329305	331090	0.47	cps
Cadmium	106-1	30461	29993	31145	30533	1.90	cps
Cadmium	108-1	22089	22256	21972	22106	0.65	cps
Calcium	43-1	1297397	1319913	1301370	1306227	0.92	cps
Calcium	44-1	20913568	21167331	20961457	21014118	0.64	cps
Chromium	52-2	34958993	35004458	34951111	34971521	0.08	cps
Cobalt	59-2	34546	34289	34048	34294	0.73	cps
Copper	63-2	1776807	1780197	1782254	1779753	0.15	cps
Dysprosium	156-1	31898	31764	32049	31904	0.45	cps
Dysprosium	156-2	13210	13320	13697	13409	1.91	cps
Erbium	164-1	28866	30629	30262	29919	3.11	cps
Erbium	164-2	10591	10384	10434	10470	1.03	cps
Gadolinium	160-1	35031	34806	34764	34867	0.41	cps
Gadolinium	160-2	16344	16387	16497	16409	0.48	cps
Holmium	165-1	3137850	3196994	3212788	3182544	1.24	cps
Holmium	165-2	1084543	1084023	1092318	1086961	0.43	cps
Indium	115-1	2924663	2954657	2972089	2950470	0.81	cps
Indium	115-2	214410	213826	216923	215053	0.77	cps
Iron	56-2	37033	36626	37105	36921	0.70	cps
Iron	57-2	1033	917	950	967	6.22	cps
Krypton	83-1	497	613	573	561	10.57	cps
Lead	206-1	556	622	533	570	8.11	cps
Lead	207-1	467	394	494	452	11.42	cps
Lead	208-1	2117	2106	2111	2111	0.26	cps
Lithium	6-1	515484	519874	524213	519857	0.84	cps
Magnesium	24-2	562212	567328	567666	565735	0.54	cps

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	K1079-12DUP	Instrumnet Name :	P8
Client Sample ID :	EPA-MW-39-OB-010720	Dilution Factor :	1
Date & Time Acquired ::	2019-01-21 15:17:54	DataFile Name :	040SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	1948600	1944709	1928560	1940623	0.55	cps
Molybdenum	94-1	925	858	942	908	4.85	cps
Molybdenum	95-1	1475	1567	1400	1481	5.64	cps
Molybdenum	96-1	1517	1567	1450	1511	3.87	cps
Molybdenum	97-1	850	858	983	897	8.33	cps
Molybdenum	98-1	2242	2492	2350	2361	5.31	cps
Neodymium	150-1	31966	32294	33149	32470	1.88	cps
Neodymium	150-2	7489	7225	7416	7377	1.84	cps
Nickel	60-2	355858	353099	354620	354526	0.39	cps
Phosphorus	31-2	17	17	0	11	86.60	cps
Potassium	39-2	84420	82089	81352	82620	1.94	cps
Rhodium	103-1	2919859	2888428	2895548	2901278	0.57	cps
Rhodium	103-2	1134291	1123910	1137800	1132000	0.64	cps
Scandium	45-1	2432701	2427225	2479630	2446519	1.18	cps
Scandium	45-2	31191	30964	30614	30923	0.94	cps
Selenium	77-2	57	43	47	49	14.20	cps
Selenium	78-2	65	70	41	59	26.86	cps
Selenium	82-1	360	276	321	319	13.27	cps
Silicon	28-1	30623539	30521607	30681336	30608827	0.26	cps
Silver	109-1	208	317	317	281	22.29	cps
Silver	107-1	158	333	325	272	36.26	cps
Sodium	23-2	20576824	20635423	20572291	20594846	0.17	cps
Strontium	86-1	441193	442295	443408	442299	0.25	cps
Strontium	88-1	3938035	3917059	3903568	3919554	0.44	cps
Sulfur	34-1	2389475	2421606	2404008	2405029	0.67	cps
Terbium	159-1	3424713	3409490	3385256	3406486	0.58	cps
Terbium	159-2	1092176	1082015	1102026	1092072	0.92	cps
Thallium	203-1	117	150	92	119	24.50	cps
Thallium	205-1	308	217	425	317	32.97	cps
Tin	118-1	417	375	383	392	5.63	cps
Titanium	47-1	417	308	392	372	15.24	cps
Uranium	238-1	1175	1242	1417	1278	9.77	cps
Vanadium	51-2	97	80	103	93	12.88	cps
Yttrium	89-1	4221916	4226939	4216379	4221744	0.13	cps
Yttrium	89-2	218083	217615	219416	218371	0.43	cps
Zinc	66-2	80351	80566	80827	80581	0.30	cps

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	K1079-12DUP	Instrumnet Name :	P8
Client Sample ID :	EPA-MW-39-OB-010720	Dilution Factor :	1
Date & Time Acquired ::	2019-01-21 15:17:54	DataFile Name :	040SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	90-1	300	400	375	358	14.52	cps
Zirconium	91-1	83	83	50	72	26.65	cps

LB Number : LB100421 Operator : Jaswal
 Lab Sample ID : K1079-12LX5 Instrumnet Name : P8
 Client Sample ID : EPA-MW-39-OB-010720 Dilution Factor : 5
 Date & Time Acquired :: 2019-01-21 15:21:22 DataFile Name : 041SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	1933	1881	2001	1938	3.11	cps
Antimony	121-1	242	283	233	253	10.60	cps
Arsenic	75-2	52	39	39	43	17.32	cps
Barium	135-1	24457	23588	23956	24000	1.82	cps
Barium	137-1	41383	41190	42202	41592	1.29	cps
Beryllium	9-1	293	330	267	297	10.72	cps
Bismuth	209-1	2003413	1933601	1962822	1966612	1.78	cps
Bismuth	209-2	837221	830242	833021	833495	0.42	cps
Boron	10-1	67509	69812	69670	68997	1.87	cps
Boron	11-1	337702	341556	341865	340375	0.68	cps
Cadmium	111-1	72684	70632	70361	71226	1.78	cps
Cadmium	106-1	7511	7486	7452	7483	0.39	cps
Cadmium	108-1	4738	4480	4672	4630	2.90	cps
Calcium	43-1	270373	268397	272291	270354	0.72	cps
Calcium	44-1	4527177	4490573	4499070	4505607	0.43	cps
Chromium	52-2	7403835	7435476	7311687	7383666	0.87	cps
Cobalt	59-2	7452	7362	7129	7314	2.28	cps
Copper	63-2	367082	370477	368126	368562	0.47	cps
Dysprosium	156-1	6969	6769	6452	6730	3.87	cps
Dysprosium	156-2	2797	2644	2824	2755	3.53	cps
Erbium	164-1	6427	6560	6544	6510	1.12	cps
Erbium	164-2	2124	2157	1977	2086	4.59	cps
Gadolinium	160-1	7653	7594	7327	7525	2.30	cps
Gadolinium	160-2	3120	3324	3461	3302	5.18	cps
Holmium	165-1	3319490	3283574	3277441	3293501	0.69	cps
Holmium	165-2	1124363	1120355	1124797	1123172	0.22	cps
Indium	115-1	3139932	3023774	3153608	3105771	2.30	cps
Indium	115-2	230122	227341	231735	229733	0.97	cps
Iron	56-2	10910	10660	10671	10747	1.32	cps
Iron	57-2	356	233	211	267	29.17	cps
Krypton	83-1	593	550	513	552	7.25	cps
Lead	206-1	372	378	378	376	0.85	cps
Lead	207-1	344	272	272	296	14.07	cps
Lead	208-1	1489	1378	1428	1432	3.89	cps
Lithium	6-1	556550	554221	556040	555603	0.22	cps
Magnesium	24-2	121651	117423	119742	119605	1.77	cps

LB Number : LB100421 Operator : Jaswal
 Lab Sample ID : K1079-12LX5 Instrumnet Name : P8
 Client Sample ID : EPA-MW-39-OB-010720 Dilution Factor : 5
 Date & Time Acquired :: 2019-01-21 15:21:22 DataFile Name : 041SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	399659	398777	397196	398544	0.31	cps
Molybdenum	94-1	275	283	275	278	1.73	cps
Molybdenum	95-1	292	242	283	272	9.84	cps
Molybdenum	96-1	300	325	475	367	25.81	cps
Molybdenum	97-1	292	317	300	303	4.21	cps
Molybdenum	98-1	633	483	383	500	25.17	cps
Neodymium	150-1	6862	6549	6462	6624	3.18	cps
Neodymium	150-2	1533	1613	1557	1568	2.62	cps
Nickel	60-2	76026	75564	75838	75809	0.31	cps
Phosphorus	31-2	17	0	0	6	173.21	cps
Potassium	39-2	22394	21709	21785	21962	1.71	cps
Rhodium	103-1	3158689	3117718	3166722	3147710	0.83	cps
Rhodium	103-2	1214012	1196296	1211897	1207402	0.80	cps
Scandium	45-1	2591153	2561628	2571525	2574769	0.58	cps
Scandium	45-2	33350	32535	32464	32783	1.50	cps
Selenium	77-2	27	20	33	27	24.99	cps
Selenium	78-2	15	7	9	10	36.70	cps
Selenium	82-1	50	109	94	84	36.56	cps
Silicon	28-1	6712614	6647038	6614891	6658181	0.75	cps
Silver	109-1	158	167	217	181	17.47	cps
Silver	107-1	100	100	183	128	37.66	cps
Sodium	23-2	4373989	4348941	4417552	4380161	0.79	cps
Strontium	86-1	94467	93242	93646	93785	0.67	cps
Strontium	88-1	804228	793601	797783	798537	0.67	cps
Sulfur	34-1	909163	894914	898719	900932	0.82	cps
Terbium	159-1	3608470	3542081	3518673	3556408	1.31	cps
Terbium	159-2	1128914	1129350	1139501	1132588	0.53	cps
Thallium	203-1	67	83	50	67	25.00	cps
Thallium	205-1	150	142	108	133	16.54	cps
Tin	118-1	258	192	283	244	19.38	cps
Titanium	47-1	125	150	142	139	9.16	cps
Uranium	238-1	208	242	267	239	12.25	cps
Vanadium	51-2	50	23	20	31	52.86	cps
Yttrium	89-1	3832120	3814800	3891033	3845984	1.04	cps
Yttrium	89-2	200170	197053	198550	198591	0.79	cps
Zinc	66-2	17541	16941	16921	17134	2.06	cps

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	K1079-12LX5	Instrumnet Name :	P8
Client Sample ID :	EPA-MW-39-OB-010720	Dilution Factor :	5
Date & Time Acquired ::	2019-01-21 15:21:22	DataFile Name :	041SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	90-1	292	250	258	267	8.27	cps
Zirconium	91-1	58	25	50	44	39.04	cps

LB Number : LB100421 Operator : Jaswal
 Lab Sample ID : K1079-13 Instrumnet Name : P8
 Client Sample ID : EPA-MW-39-OB-010720 Dilution Factor : 1
 Date & Time Acquired :: 2019-01-21 15:24:55 DataFile Name : 042SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	65076	63494	63248	63939	1.55	cps
Antimony	121-1	2213953	2235063	2263554	2237523	1.11	cps
Arsenic	75-2	47297	47466	47922	47562	0.68	cps
Barium	135-1	2306771	2369466	2370068	2348768	1.55	cps
Barium	137-1	3978726	4042977	4029786	4017163	0.84	cps
Beryllium	9-1	366975	368043	366630	367216	0.20	cps
Bismuth	209-1	1755365	1830728	1889138	1825077	3.67	cps
Bismuth	209-2	723028	729860	729257	727382	0.52	cps
Boron	10-1	304959	309382	311455	308599	1.08	cps
Boron	11-1	1508450	1531060	1541068	1526859	1.09	cps
Cadmium	111-1	771544	793269	798923	787912	1.83	cps
Cadmium	106-1	76082	78160	77531	77258	1.38	cps
Cadmium	108-1	52954	53611	53916	53494	0.92	cps
Calcium	43-1	1771398	1761657	1768811	1767289	0.29	cps
Calcium	44-1	28475735	28525317	28377598	28459550	0.26	cps
Chromium	52-2	31402842	31103140	30684361	31063448	1.16	cps
Cobalt	59-2	752517	751057	753275	752283	0.15	cps
Copper	63-2	2903319	2890199	2884587	2892702	0.33	cps
Dysprosium	156-1	30729	31865	32357	31650	2.64	cps
Dysprosium	156-2	12903	12903	12766	12858	0.61	cps
Erbium	164-1	29100	30787	32341	30743	5.27	cps
Erbium	164-2	9644	9527	9504	9558	0.79	cps
Gadolinium	160-1	33202	35215	35349	34589	3.48	cps
Gadolinium	160-2	15453	15002	15126	15193	1.53	cps
Holmium	165-1	3068321	3110437	3277051	3151937	3.50	cps
Holmium	165-2	995226	1007546	999624	1000799	0.62	cps
Indium	115-1	2760902	2783433	2845015	2796450	1.56	cps
Indium	115-2	182184	182276	182159	182206	0.03	cps
Iron	56-2	12648202	12441215	12407273	12498897	1.04	cps
Iron	57-2	309826	304583	306322	306910	0.87	cps
Krypton	83-1	800	630	653	694	13.27	cps
Lead	206-1	1003065	1042892	1051357	1032438	2.50	cps
Lead	207-1	878111	920213	930778	909700	3.06	cps
Lead	208-1	4142235	4369191	4399290	4303572	3.27	cps
Lithium	6-1	484770	503961	510661	499797	2.69	cps
Magnesium	24-2	1960799	1945612	1942506	1949639	0.50	cps

LB Number : LB100421 Operator : Jaswal
 Lab Sample ID : K1079-13 Instrumnet Name : P8
 Client Sample ID : EPA-MW-39-OB-010720 Dilution Factor : 1
 Date & Time Acquired :: 2019-01-21 15:24:55 DataFile Name : 042SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	1897725	1870237	1861053	1876338	1.02	cps
Molybdenum	94-1	4028668	4103382	4097050	4076367	1.02	cps
Molybdenum	95-1	4936949	5152252	5039794	5042998	2.14	cps
Molybdenum	96-1	5476449	5564082	5560748	5533760	0.90	cps
Molybdenum	97-1	3034194	3101696	3048299	3061397	1.16	cps
Molybdenum	98-1	7910326	7952672	7971122	7944707	0.39	cps
Neodymium	150-1	30322	31271	32086	31227	2.83	cps
Neodymium	150-2	6508	6168	6512	6396	3.09	cps
Nickel	60-2	526874	528271	524599	526582	0.35	cps
Phosphorus	31-2	8	25	25	19	49.50	cps
Potassium	39-2	468242	466395	468036	467558	0.22	cps
Rhodium	103-1	2688637	2704480	2718190	2703769	0.55	cps
Rhodium	103-2	1016382	1027640	1021237	1021753	0.55	cps
Scandium	45-1	2150218	2157822	2163488	2157176	0.31	cps
Scandium	45-2	26515	26382	26228	26375	0.55	cps
Selenium	77-2	383	400	450	411	8.44	cps
Selenium	78-2	1076	1165	1070	1104	4.80	cps
Selenium	82-1	33209	33715	34114	33679	1.35	cps
Silicon	28-1	25962542	26177353	25831412	25990436	0.67	cps
Silver	109-1	2226440	2320261	2310819	2285840	2.26	cps
Silver	107-1	2365571	2396650	2409009	2390410	0.94	cps
Sodium	23-2	21127302	20899427	20824043	20950257	0.75	cps
Strontium	86-1	1013521	1028526	1031175	1024407	0.93	cps
Strontium	88-1	8901663	8949620	9157906	9003063	1.51	cps
Sulfur	34-1	2060284	2060528	2019785	2046866	1.15	cps
Terbium	159-1	3255673	3339961	3506667	3367433	3.79	cps
Terbium	159-2	985899	1006857	1002992	998583	1.12	cps
Thallium	203-1	1253523	1286738	1326182	1288814	2.82	cps
Thallium	205-1	3110074	3225118	3247809	3194334	2.31	cps
Tin	118-1	1377685	1401550	1430006	1403080	1.87	cps
Titanium	47-1	1540867	1520466	1532446	1531260	0.67	cps
Uranium	238-1	4022965	4166078	4272791	4153945	3.02	cps
Vanadium	51-2	269763	263487	263391	265547	1.38	cps
Yttrium	89-1	3861031	3912628	3981343	3918334	1.54	cps
Yttrium	89-2	186697	185789	186403	186297	0.25	cps
Zinc	66-2	194928	192583	189752	192421	1.35	cps

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	K1079-13	Instrumnet Name :	P8
Client Sample ID :	EPA-MW-39-OB-010720	Dilution Factor :	1
Date & Time Acquired ::	2019-01-21 15:24:55	DataFile Name :	042SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	90-1	3385941	3432395	3451066	3423134	0.98	cps
Zirconium	91-1	732804	742401	747121	740775	0.98	cps

LB Number : LB100421 Operator : Jaswal
 Lab Sample ID : K1079-14 Instrumnet Name : P8
 Client Sample ID : EPA-MW-39-OB-010720 Dilution Factor : 1
 Date & Time Acquired :: 2019-01-21 15:28:16 DataFile Name : 043SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	59802	61143	59508	60151	1.45	cps
Antimony	121-1	2343717	2277017	2290177	2303637	1.53	cps
Arsenic	75-2	46086	45417	45698	45733	0.73	cps
Barium	135-1	2430049	2453497	2416468	2433338	0.77	cps
Barium	137-1	4227952	4147314	4171447	4182238	0.99	cps
Beryllium	9-1	348068	342221	344955	345081	0.85	cps
Bismuth	209-1	1963130	1955845	1965785	1961587	0.26	cps
Bismuth	209-2	735533	739383	737950	737622	0.26	cps
Boron	10-1	289367	291121	293398	291296	0.69	cps
Boron	11-1	1419853	1424256	1421317	1421809	0.16	cps
Cadmium	111-1	804666	811507	809630	808601	0.44	cps
Cadmium	106-1	78798	78730	77842	78457	0.68	cps
Cadmium	108-1	55113	55652	55187	55317	0.53	cps
Calcium	43-1	1697035	1740991	1720014	1719347	1.28	cps
Calcium	44-1	27654164	27914472	27388950	27652528	0.95	cps
Chromium	52-2	29946471	30344542	29894787	30061933	0.82	cps
Cobalt	59-2	735910	734502	731373	733928	0.32	cps
Copper	63-2	2789270	2788947	2798393	2792203	0.19	cps
Dysprosium	156-1	33093	32918	32650	32887	0.68	cps
Dysprosium	156-2	12393	12319	12366	12359	0.30	cps
Erbium	164-1	33235	32291	33193	32907	1.62	cps
Erbium	164-2	9510	9364	9293	9389	1.18	cps
Gadolinium	160-1	37246	36369	36143	36586	1.59	cps
Gadolinium	160-2	15710	15353	15433	15498	1.21	cps
Holmium	165-1	3362985	3389363	3346569	3366306	0.64	cps
Holmium	165-2	1010168	1003604	1013393	1009055	0.49	cps
Indium	115-1	2854989	2835274	2848068	2846110	0.35	cps
Indium	115-2	178270	177757	177433	177820	0.24	cps
Iron	56-2	11865749	11979127	11929354	11924743	0.48	cps
Iron	57-2	295252	293001	296941	295065	0.67	cps
Krypton	83-1	597	610	740	649	12.20	cps
Lead	206-1	1122037	1130209	1143621	1131956	0.96	cps
Lead	207-1	985543	985653	995334	988843	0.57	cps
Lead	208-1	4670062	4680295	4715427	4688595	0.51	cps
Lithium	6-1	473638	465335	464395	467789	1.09	cps
Magnesium	24-2	1833091	1789511	1833099	1818567	1.38	cps

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	K1079-14	Instrumnet Name :	P8
Client Sample ID :	EPA-MW-39-OB-010720	Dilution Factor :	1
Date & Time Acquired ::	2019-01-21 15:28:16	DataFile Name :	043SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	1774953	1804089	1780578	1786540	0.87	cps
Molybdenum	94-1	4069835	4087512	4043319	4066889	0.55	cps
Molybdenum	95-1	5017025	5039927	5031639	5029530	0.23	cps
Molybdenum	96-1	5544426	5609233	5576101	5576587	0.58	cps
Molybdenum	97-1	3077609	3123484	3111043	3104045	0.76	cps
Molybdenum	98-1	8062810	8024955	7933371	8007045	0.83	cps
Neodymium	150-1	32795	33851	33952	33533	1.91	cps
Neodymium	150-2	6508	6555	6829	6631	2.61	cps
Nickel	60-2	517633	516238	511417	515096	0.63	cps
Phosphorus	31-2	8	8	17	11	43.34	cps
Potassium	39-2	437863	440829	440813	439835	0.39	cps
Rhodium	103-1	2777422	2768541	2744994	2763652	0.61	cps
Rhodium	103-2	1022933	1033208	1018067	1024736	0.75	cps
Scandium	45-1	2106438	2137415	2090599	2111484	1.13	cps
Scandium	45-2	25206	25283	25584	25358	0.79	cps
Selenium	77-2	407	347	327	360	11.56	cps
Selenium	78-2	1076	1045	1072	1064	1.62	cps
Selenium	82-1	33939	33603	33989	33844	0.62	cps
Silicon	28-1	24698491	24582524	24142127	24474380	1.20	cps
Silver	109-1	2327496	2342423	2341050	2336990	0.35	cps
Silver	107-1	2478592	2398004	2443194	2439930	1.66	cps
Sodium	23-2	19912205	20061146	19813405	19928919	0.63	cps
Strontium	86-1	1025068	1020881	1033336	1026428	0.62	cps
Strontium	88-1	8992146	8895165	8977875	8955062	0.58	cps
Sulfur	34-1	1930637	1925021	1886463	1914040	1.26	cps
Terbium	159-1	3599933	3544151	3564827	3569637	0.79	cps
Terbium	159-2	1007806	1009288	1011495	1009530	0.18	cps
Thallium	203-1	1380085	1407168	1407561	1398271	1.13	cps
Thallium	205-1	3431708	3496523	3557984	3495405	1.81	cps
Tin	118-1	1438473	1438049	1450343	1442288	0.48	cps
Titanium	47-1	1486510	1484200	1460448	1477053	0.98	cps
Uranium	238-1	4532697	4524501	4584153	4547117	0.71	cps
Vanadium	51-2	255573	254630	255472	255225	0.20	cps
Yttrium	89-1	3902462	3962446	3974037	3946315	0.97	cps
Yttrium	89-2	182201	182909	181462	182191	0.40	cps
Zinc	66-2	186049	185948	185816	185938	0.06	cps

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	K1079-14	Instrumnet Name :	P8
Client Sample ID :	EPA-MW-39-OB-010720	Dilution Factor :	1
Date & Time Acquired ::	2019-01-21 15:28:16	DataFile Name :	043SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	90-1	3459318	3496797	3456270	3470795	0.65	cps
Zirconium	91-1	746329	740730	739129	742062	0.51	cps

LB Number : LB100421 Operator : Jaswal
 Lab Sample ID : K1079-12A Instrumnet Name : P8
 Client Sample ID : EPA-MW-39-OB-010720 Dilution Factor : 1
 Date & Time Acquired :: 2019-01-21 15:31:37 DataFile Name : 044SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	59240	60367	61535	60381	1.90	cps
Antimony	121-1	2361193	2374038	2366370	2367200	0.27	cps
Arsenic	75-2	45764	46193	46063	46007	0.48	cps
Barium	135-1	2465145	2499771	2511119	2492012	0.96	cps
Barium	137-1	4209830	4296677	4328252	4278253	1.43	cps
Beryllium	9-1	340509	339110	339886	339835	0.21	cps
Bismuth	209-1	2009635	2061467	2067200	2046101	1.55	cps
Bismuth	209-2	746523	745180	760240	750648	1.11	cps
Boron	10-1	283935	289835	289205	287658	1.13	cps
Boron	11-1	1380505	1386420	1428471	1398465	1.87	cps
Cadmium	111-1	809816	823778	822558	818718	0.94	cps
Cadmium	106-1	78782	79293	79702	79259	0.58	cps
Cadmium	108-1	55678	56443	56744	56288	0.98	cps
Calcium	43-1	1692211	1720419	1715706	1709445	0.88	cps
Calcium	44-1	27174173	27490558	27303067	27322599	0.58	cps
Chromium	52-2	30327465	30222502	30283853	30277940	0.17	cps
Cobalt	59-2	740497	739791	737762	739350	0.19	cps
Copper	63-2	2785640	2816037	2829006	2810228	0.79	cps
Dysprosium	156-1	34313	34581	34647	34513	0.51	cps
Dysprosium	156-2	12533	12800	12693	12675	1.06	cps
Erbium	164-1	34238	33803	33261	33767	1.45	cps
Erbium	164-2	9734	9610	9487	9610	1.28	cps
Gadolinium	160-1	37990	39469	38642	38700	1.92	cps
Gadolinium	160-2	15556	15403	15666	15542	0.85	cps
Holmium	165-1	3452013	3494095	3496377	3480829	0.72	cps
Holmium	165-2	1014486	1016014	1027492	1019331	0.70	cps
Indium	115-1	2878311	2888992	2926845	2898049	0.88	cps
Indium	115-2	176370	177296	178938	177535	0.73	cps
Iron	56-2	12178988	12162187	12036786	12125987	0.64	cps
Iron	57-2	297577	295587	297838	297000	0.41	cps
Krypton	83-1	600	677	740	672	10.43	cps
Lead	206-1	1154218	1167005	1172982	1164735	0.82	cps
Lead	207-1	1012843	1026167	1026559	1021856	0.76	cps
Lead	208-1	4781204	4834677	4849500	4821794	0.75	cps
Lithium	6-1	441676	438036	436568	438760	0.60	cps
Magnesium	24-2	1831464	1844374	1865807	1847215	0.94	cps

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	K1079-12A	Instrumnet Name :	P8
Client Sample ID :	EPA-MW-39-OB-010720	Dilution Factor :	1
Date & Time Acquired ::	2019-01-21 15:31:37	DataFile Name :	044SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	1820532	1804453	1793376	1806120	0.76	cps
Molybdenum	94-1	4149054	4140095	4147576	4145575	0.12	cps
Molybdenum	95-1	5081193	5112650	5150085	5114642	0.67	cps
Molybdenum	96-1	5614514	5674111	5687955	5658860	0.69	cps
Molybdenum	97-1	3147904	3184775	3179795	3170825	0.63	cps
Molybdenum	98-1	8082019	8172639	8134129	8129596	0.56	cps
Neodymium	150-1	32902	33684	34887	33824	2.96	cps
Neodymium	150-2	6895	6732	6875	6834	1.30	cps
Nickel	60-2	518629	520586	519512	519576	0.19	cps
Phosphorus	31-2	8	25	25	19	49.50	cps
Potassium	39-2	440627	439077	443700	441134	0.53	cps
Rhodium	103-1	2808726	2809744	2797860	2805443	0.23	cps
Rhodium	103-2	1022146	1025532	1031625	1026434	0.47	cps
Scandium	45-1	2074067	2123202	2087813	2095028	1.21	cps
Scandium	45-2	25243	25353	25747	25448	1.04	cps
Selenium	77-2	350	293	350	331	9.88	cps
Selenium	78-2	1117	1143	1115	1125	1.38	cps
Selenium	82-1	33397	33808	34048	33751	0.98	cps
Silicon	28-1	23876773	23978960	24257383	24037705	0.82	cps
Silver	109-1	2370226	2426325	2395332	2397294	1.17	cps
Silver	107-1	2467867	2467137	2481242	2472082	0.32	cps
Sodium	23-2	20136015	20263023	20111483	20170174	0.40	cps
Strontium	86-1	1026857	1030990	1040455	1032767	0.67	cps
Strontium	88-1	9033830	9150123	9160472	9114808	0.77	cps
Sulfur	34-1	1864335	1854588	1865234	1861385	0.32	cps
Terbium	159-1	3605484	3693012	3694047	3664181	1.39	cps
Terbium	159-2	1004069	1013236	1029025	1015443	1.24	cps
Thallium	203-1	1411738	1449780	1452917	1438145	1.59	cps
Thallium	205-1	3527923	3563506	3569964	3553798	0.64	cps
Tin	118-1	1443975	1456694	1465295	1455321	0.74	cps
Titanium	47-1	1467640	1462139	1462062	1463947	0.22	cps
Uranium	238-1	4639467	4711035	4784772	4711758	1.54	cps
Vanadium	51-2	252678	256486	258856	256006	1.22	cps
Yttrium	89-1	3971975	4029403	3935576	3978985	1.19	cps
Yttrium	89-2	182467	180012	182539	181673	0.79	cps
Zinc	66-2	187066	185755	187066	186629	0.41	cps

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	K1079-12A	Instrumnet Name :	P8
Client Sample ID :	EPA-MW-39-OB-010720	Dilution Factor :	1
Date & Time Acquired ::	2019-01-21 15:31:37	DataFile Name :	044SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	90-1	3454321	3491821	3470300	3472147	0.54	cps
Zirconium	91-1	746419	751606	752707	750244	0.45	cps

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	K1079-16	Instrumnet Name :	P8
Client Sample ID :	EPA-MW-40-OB-010720	Dilution Factor :	1
Date & Time Acquired ::	2019-01-21 15:34:58	DataFile Name :	045SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	168	145	110	141	20.58	cps
Antimony	121-1	1575	1642	1242	1486	14.42	cps
Arsenic	75-2	204	172	235	204	15.45	cps
Barium	135-1	108476	108090	106300	107622	1.08	cps
Barium	137-1	185890	183990	184801	184894	0.52	cps
Beryllium	9-1	87	103	100	97	9.12	cps
Bismuth	209-1	1976543	1915575	1860936	1917685	3.02	cps
Bismuth	209-2	740988	731976	721406	731457	1.34	cps
Boron	10-1	502385	515838	507676	508633	1.33	cps
Boron	11-1	2516561	2585954	2559558	2554025	1.37	cps
Cadmium	111-1	683	620	495	599	16.01	cps
Cadmium	106-1	900	850	692	814	13.36	cps
Cadmium	108-1	38	71	63	57	30.47	cps
Calcium	43-1	1018255	1020867	1011217	1016779	0.49	cps
Calcium	44-1	16888081	16789513	16788183	16821926	0.34	cps
Chromium	52-2	87206	87467	86626	87100	0.49	cps
Cobalt	59-2	6275	6642	6618	6512	3.15	cps
Copper	63-2	10114	9967	10094	10058	0.79	cps
Dysprosium	156-1	58	67	33	53	32.88	cps
Dysprosium	156-2	13	20	17	17	20.01	cps
Erbium	164-1	117	108	100	108	7.69	cps
Erbium	164-2	13	23	10	16	44.60	cps
Gadolinium	160-1	17	50	42	36	48.03	cps
Gadolinium	160-2	20	37	30	29	29.04	cps
Holmium	165-1	3393860	3336307	3209493	3313220	2.85	cps
Holmium	165-2	1019634	1017327	1002817	1013259	0.90	cps
Indium	115-1	2957849	2919052	2819184	2898695	2.47	cps
Indium	115-2	193602	194940	193231	193924	0.46	cps
Iron	56-2	9082479	8995667	9065959	9048035	0.51	cps
Iron	57-2	224350	222373	223413	223379	0.44	cps
Krypton	83-1	480	557	597	544	10.89	cps
Lead	206-1	2645	2623	2623	2630	0.49	cps
Lead	207-1	2356	2423	2611	2463	5.38	cps
Lead	208-1	10202	10863	10991	10685	3.96	cps
Lithium	6-1	423419	421159	411666	418748	1.49	cps
Magnesium	24-2	1948743	1983226	1991518	1974496	1.15	cps

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	K1079-16	Instrumnet Name :	P8
Client Sample ID :	EPA-MW-40-OB-010720	Dilution Factor :	1
Date & Time Acquired ::	2019-01-21 15:34:58	DataFile Name :	045SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	2360341	2358842	2370431	2363205	0.27	cps
Molybdenum	94-1	4426	5009	4509	4648	6.79	cps
Molybdenum	95-1	6960	6310	6560	6610	4.96	cps
Molybdenum	96-1	7077	6894	7010	6994	1.33	cps
Molybdenum	97-1	4568	4159	3967	4231	7.24	cps
Molybdenum	98-1	10480	10304	10346	10377	0.88	cps
Neodymium	150-1	27	27	33	29	13.31	cps
Neodymium	150-2	3	7	10	7	50.03	cps
Nickel	60-2	5725	5711	5781	5739	0.65	cps
Phosphorus	31-2	525	683	608	606	13.08	cps
Potassium	39-2	181109	182855	184417	182794	0.91	cps
Rhodium	103-1	2821757	2815369	2709053	2782059	2.28	cps
Rhodium	103-2	1044651	1044616	1037739	1042336	0.38	cps
Scandium	45-1	2285218	2282571	2263038	2276942	0.53	cps
Scandium	45-2	28108	28138	28382	28210	0.53	cps
Selenium	77-2	0	10	7	6	91.64	cps
Selenium	78-2	13	4	13	10	54.15	cps
Selenium	82-1	364	285	254	301	18.90	cps
Silicon	28-1	63687345	64702343	64392160	64260616	0.81	cps
Silver	109-1	700	575	533	603	14.39	cps
Silver	107-1	750	608	508	622	19.52	cps
Sodium	23-2	73268839	73687777	73096943	73351186	0.41	cps
Strontium	86-1	1275769	1269924	1261221	1268971	0.58	cps
Strontium	88-1	11303909	11303940	11081497	11229782	1.14	cps
Sulfur	34-1	696828	708553	717810	707730	1.49	cps
Terbium	159-1	3640061	3517483	3388891	3515479	3.57	cps
Terbium	159-2	1024223	1023079	1004965	1017422	1.06	cps
Thallium	203-1	217	108	133	153	37.13	cps
Thallium	205-1	558	333	275	389	38.47	cps
Tin	118-1	1050	1033	1092	1058	2.84	cps
Titanium	47-1	1367	1175	1583	1375	14.86	cps
Uranium	238-1	6394	5802	5777	5991	5.83	cps
Vanadium	51-2	807	867	923	866	6.74	cps
Yttrium	89-1	3415474	3432066	3316201	3387914	1.85	cps
Yttrium	89-2	162240	165981	164193	164138	1.14	cps
Zinc	66-2	1553	1513	1483	1517	2.32	cps

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	K1079-16	Instrumnet Name :	P8
Client Sample ID :	EPA-MW-40-OB-010720	Dilution Factor :	1
Date & Time Acquired ::	2019-01-21 15:34:58	DataFile Name :	045SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	90-1	2425	2100	2034	2186	9.59	cps
Zirconium	91-1	583	367	625	525	26.42	cps

LB Number : LB100421 Operator : Jaswal
 Lab Sample ID : K1079-16DLX20 Instrumnet Name : P8
 Client Sample ID : EPA-MW-40-OB-010720 Dilution Factor : 20
 Date & Time Acquired :: 2019-01-21 15:38:28 DataFile Name : 046SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	45	73	33	50	40.93	cps
Antimony	121-1	308	333	267	303	11.12	cps
Arsenic	75-2	26	9	24	20	46.25	cps
Barium	135-1	6477	6077	5993	6182	4.18	cps
Barium	137-1	9529	9737	9929	9732	2.06	cps
Beryllium	9-1	93	117	63	91	29.35	cps
Bismuth	209-1	2035841	1982537	2027203	2015193	1.42	cps
Bismuth	209-2	834408	824193	832220	830274	0.65	cps
Boron	10-1	33265	32930	32872	33022	0.64	cps
Boron	11-1	163732	166830	164028	164863	1.04	cps
Cadmium	111-1	596	532	461	530	12.79	cps
Cadmium	106-1	850	742	667	753	12.24	cps
Cadmium	108-1	4	0	8	4	99.96	cps
Calcium	43-1	58230	58421	59237	58629	0.91	cps
Calcium	44-1	992329	982106	993550	989328	0.64	cps
Chromium	52-2	6872	6842	6878	6864	0.28	cps
Cobalt	59-2	433	463	413	437	5.76	cps
Copper	63-2	1080	1177	1050	1102	6.01	cps
Dysprosium	156-1	0	0	42	14	173.21	cps
Dysprosium	156-2	3	0	0	1	173.21	cps
Erbium	164-1	25	25	33	28	17.31	cps
Erbium	164-2	3	3	3	3	0.00	cps
Gadolinium	160-1	8	25	67	33	90.15	cps
Gadolinium	160-2	7	0	7	4	86.60	cps
Holmium	165-1	3439236	3379280	3424667	3414394	0.92	cps
Holmium	165-2	1118907	1112350	1117474	1116244	0.31	cps
Indium	115-1	3230466	3150154	3173208	3184610	1.30	cps
Indium	115-2	223568	218317	224447	222111	1.49	cps
Iron	56-2	515161	510778	514911	513617	0.48	cps
Iron	57-2	12934	12867	13357	13053	2.03	cps
Krypton	83-1	540	540	577	552	3.83	cps
Lead	206-1	750	750	650	717	8.06	cps
Lead	207-1	633	761	672	689	9.51	cps
Lead	208-1	3006	2861	2711	2859	5.15	cps
Lithium	6-1	480320	478718	481242	480093	0.27	cps
Magnesium	24-2	109605	107361	108780	108582	1.04	cps

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	K1079-16DLX20	Instrumnet Name :	P8
Client Sample ID :	EPA-MW-40-OB-010720	Dilution Factor :	20
Date & Time Acquired ::	2019-01-21 15:38:28	DataFile Name :	046SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	133191	132784	132276	132750	0.35	cps
Molybdenum	94-1	425	458	350	411	13.50	cps
Molybdenum	95-1	467	467	600	511	15.06	cps
Molybdenum	96-1	458	383	483	442	11.78	cps
Molybdenum	97-1	375	367	300	347	11.84	cps
Molybdenum	98-1	725	708	717	717	1.16	cps
Neodymium	150-1	27	7	0	11	124.89	cps
Neodymium	150-2	3	0	0	1	173.21	cps
Nickel	60-2	447	420	393	420	6.35	cps
Phosphorus	31-2	50	17	25	31	56.77	cps
Potassium	39-2	16185	15593	16168	15982	2.11	cps
Rhodium	103-1	3195627	3144725	3157649	3166000	0.84	cps
Rhodium	103-2	1208937	1198661	1207498	1205032	0.46	cps
Scandium	45-1	2554820	2523877	2560746	2546481	0.78	cps
Scandium	45-2	32668	31933	32287	32296	1.14	cps
Selenium	77-2	0	3	3	2	86.60	cps
Selenium	78-2	2	0	6	2	114.63	cps
Selenium	82-1	54	25	57	45	38.12	cps
Silicon	28-1	3974212	3950801	4024479	3983164	0.95	cps
Silver	109-1	308	342	342	331	5.82	cps
Silver	107-1	492	358	425	425	15.69	cps
Sodium	23-2	4344259	4346132	4281353	4323915	0.85	cps
Strontium	86-1	69763	70943	70742	70483	0.90	cps
Strontium	88-1	608605	603290	601472	604456	0.61	cps
Sulfur	34-1	342666	339790	341198	341218	0.42	cps
Terbium	159-1	3715571	3584743	3665595	3655303	1.81	cps
Terbium	159-2	1114511	1108969	1113353	1112278	0.26	cps
Thallium	203-1	58	25	33	39	44.62	cps
Thallium	205-1	183	167	67	139	45.43	cps
Tin	118-1	492	483	517	497	3.49	cps
Titanium	47-1	183	150	125	153	19.15	cps
Uranium	238-1	292	308	342	314	8.11	cps
Vanadium	51-2	80	103	80	88	15.35	cps
Yttrium	89-1	3756715	3694073	3686848	3712545	1.03	cps
Yttrium	89-2	185393	182788	185132	184438	0.78	cps
Zinc	66-2	147	143	197	162	18.42	cps

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	K1079-16DLX20	Instrumnet Name :	P8
Client Sample ID :	EPA-MW-40-OB-010720	Dilution Factor :	20
Date & Time Acquired ::	2019-01-21 15:38:28	DataFile Name :	046SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	90-1	275	383	325	328	16.54	cps
Zirconium	91-1	42	83	67	64	32.83	cps

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	CCV53	Instrumnet Name :	P8
Client Sample ID :	CCV53	Dilution Factor :	1
Date & Time Acquired ::	2019-01-21 15:44:11	DataFile Name :	047CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	358563	364015	363546	362041	0.83	cps
Antimony	121-1	2436097	2459738	2435791	2443875	0.56	cps
Arsenic	75-2	54291	55557	55052	54967	1.16	cps
Barium	135-1	2429899	2459058	2440821	2443259	0.60	cps
Barium	137-1	4131537	4203906	4191446	4175630	0.93	cps
Beryllium	9-1	458217	461835	471006	463686	1.42	cps
Bismuth	209-1	1875962	1940720	1908970	1908551	1.70	cps
Bismuth	209-2	796559	807515	802419	802164	0.68	cps
Boron	10-1	66974	68883	73723	69860	4.98	cps
Boron	11-1	324560	340056	343406	336007	2.99	cps
Cadmium	111-1	519205	518227	528332	521921	1.07	cps
Cadmium	106-1	54595	53164	54653	54137	1.56	cps
Cadmium	108-1	37147	36963	37678	37263	1.00	cps
Calcium	43-1	3394748	3420328	3403936	3406338	0.38	cps
Calcium	44-1	54844881	54916863	54868636	54876793	0.07	cps
Chromium	52-2	417978	418574	415661	417404	0.37	cps
Cobalt	59-2	808022	807835	814289	810049	0.45	cps
Copper	63-2	1306153	1322513	1311420	1313362	0.64	cps
Dysprosium	156-1	33	50	58	47	26.97	cps
Dysprosium	156-2	7	20	3	10	88.20	cps
Erbium	164-1	8	8	8	8	0.00	cps
Erbium	164-2	0	0	3	1	173.21	cps
Gadolinium	160-1	25	50	42	39	32.73	cps
Gadolinium	160-2	27	33	23	28	18.33	cps
Holmium	165-1	3273746	3300491	3344020	3306086	1.07	cps
Holmium	165-2	1094348	1119556	1110929	1108278	1.16	cps
Indium	115-1	2932089	2986447	2997512	2972016	1.18	cps
Indium	115-2	207806	210066	210740	209537	0.73	cps
Iron	56-2	68336075	68685214	68566910	68529400	0.26	cps
Iron	57-2	1739699	1756725	1762467	1752964	0.68	cps
Krypton	83-1	640	563	640	614	7.20	cps
Lead	206-1	1091251	1092007	1089933	1091064	0.10	cps
Lead	207-1	982562	983363	990334	985420	0.43	cps
Lead	208-1	4559663	4552376	4573991	4562010	0.24	cps
Lithium	6-1	491677	501938	507600	500405	1.61	cps
Magnesium	24-2	7858465	8027823	8013211	7966500	1.18	cps

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	CCV53	Instrumnet Name :	P8
Client Sample ID :	CCV53	Dilution Factor :	1
Date & Time Acquired ::	2019-01-21 15:44:11	DataFile Name :	047CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	244505	245544	245913	245321	0.30	cps
Molybdenum	94-1	4407404	4472960	4418929	4433098	0.79	cps
Molybdenum	95-1	5498817	5543902	5545361	5529360	0.48	cps
Molybdenum	96-1	6080179	6065173	6028269	6057874	0.44	cps
Molybdenum	97-1	3356761	3344723	3378156	3359880	0.50	cps
Molybdenum	98-1	8699286	8661955	8667678	8676306	0.23	cps
Neodymium	150-1	87	107	107	100	11.55	cps
Neodymium	150-2	0	23	20	14	87.37	cps
Nickel	60-2	236841	236210	237487	236846	0.27	cps
Phosphorus	31-2	5835	5960	5843	5879	1.19	cps
Potassium	39-2	2420800	2443998	2456161	2440320	0.74	cps
Rhodium	103-1	2844125	2939957	2912579	2898887	1.70	cps
Rhodium	103-2	1121040	1123406	1122939	1122462	0.11	cps
Scandium	45-1	2433583	2440876	2488281	2454247	1.21	cps
Scandium	45-2	30724	31258	31559	31180	1.36	cps
Selenium	77-2	383	440	367	397	9.69	cps
Selenium	78-2	1295	1309	1296	1300	0.62	cps
Selenium	82-1	37982	38080	38423	38161	0.61	cps
Silicon	28-1	1746228	1790418	1785120	1773922	1.36	cps
Silver	109-1	2489617	2523414	2557350	2523460	1.34	cps
Silver	107-1	2619194	2647674	2632379	2633082	0.54	cps
Sodium	23-2	18733188	18987047	18942220	18887485	0.72	cps
Strontium	86-1	672348	675163	671808	673106	0.27	cps
Strontium	88-1	5898186	5990219	5986379	5958262	0.87	cps
Sulfur	34-1	547281	543292	547076	545883	0.41	cps
Terbium	159-1	3515534	3542863	3613349	3557249	1.42	cps
Terbium	159-2	1095604	1106809	1102737	1101717	0.51	cps
Thallium	203-1	1345041	1353469	1353511	1350674	0.36	cps
Thallium	205-1	3356407	3353041	3380294	3363247	0.44	cps
Tin	118-1	1595995	1597443	1650203	1614547	1.91	cps
Titanium	47-1	1731014	1739009	1748522	1739515	0.50	cps
Uranium	238-1	4270999	4363810	4272826	4302545	1.23	cps
Vanadium	51-2	306566	306453	305567	306195	0.18	cps
Yttrium	89-1	3523852	3588656	3612060	3574856	1.28	cps
Yttrium	89-2	177591	178827	180215	178878	0.73	cps
Zinc	66-2	142840	143028	143271	143046	0.15	cps

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	CCV53	Instrumnet Name :	P8
Client Sample ID :	CCV53	Dilution Factor :	1
Date & Time Acquired ::	2019-01-21 15:44:11	DataFile Name :	047CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	90-1	3724526	3791283	3737457	3751089	0.94	cps
Zirconium	91-1	798230	806407	802393	802343	0.51	cps

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	CCB53	Instrumnet Name :	P8
Client Sample ID :	CCB53	Dilution Factor :	1
Date & Time Acquired ::	2019-01-21 15:55:16	DataFile Name :	048CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	50	40	43	44	11.78	cps
Antimony	121-1	358	442	558	453	22.19	cps
Arsenic	75-2	4	17	6	9	81.14	cps
Barium	135-1	50	8	42	33	66.15	cps
Barium	137-1	108	67	33	69	54.12	cps
Beryllium	9-1	63	27	43	44	41.30	cps
Bismuth	209-1	2112481	2068563	2129131	2103392	1.49	cps
Bismuth	209-2	893109	890436	886256	889934	0.39	cps
Boron	10-1	3092	3084	3217	3131	2.39	cps
Boron	11-1	14950	15392	15359	15234	1.62	cps
Cadmium	111-1	430	571	556	519	14.97	cps
Cadmium	106-1	600	808	775	728	15.38	cps
Cadmium	108-1	4	17	4	8	86.57	cps
Calcium	43-1	257	270	237	254	6.59	cps
Calcium	44-1	30152	29992	30406	30184	0.69	cps
Chromium	52-2	2117	1927	2100	2048	5.14	cps
Cobalt	59-2	83	63	87	78	16.23	cps
Copper	63-2	547	610	587	581	5.51	cps
Dysprosium	156-1	17	25	8	17	50.01	cps
Dysprosium	156-2	0	0	3	1	173.21	cps
Erbium	164-1	8	8	8	8	0.00	cps
Erbium	164-2	3	7	3	4	43.40	cps
Gadolinium	160-1	58	33	25	39	44.62	cps
Gadolinium	160-2	7	7	7	7	0.00	cps
Holmium	165-1	3477211	3441585	3482754	3467183	0.64	cps
Holmium	165-2	1160686	1165235	1161814	1162578	0.20	cps
Indium	115-1	3225681	3246100	3244318	3238700	0.35	cps
Indium	115-2	230363	231922	228239	230175	0.80	cps
Iron	56-2	4112	4201	3923	4079	3.48	cps
Iron	57-2	117	133	94	115	16.99	cps
Krypton	83-1	597	600	660	619	5.76	cps
Lead	206-1	422	428	417	422	1.32	cps
Lead	207-1	383	339	350	357	6.47	cps
Lead	208-1	1739	1595	1567	1633	5.66	cps
Lithium	6-1	589892	589364	590297	589851	0.08	cps
Magnesium	24-2	467	458	517	481	6.57	cps

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	CCB53	Instrumnet Name :	P8
Client Sample ID :	CCB53	Dilution Factor :	1
Date & Time Acquired ::	2019-01-21 15:55:16	DataFile Name :	048CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	93	70	93	86	15.75	cps
Molybdenum	94-1	258	200	242	233	12.88	cps
Molybdenum	95-1	292	158	250	233	29.23	cps
Molybdenum	96-1	292	292	292	292	0.00	cps
Molybdenum	97-1	200	183	275	219	22.25	cps
Molybdenum	98-1	392	325	367	361	9.33	cps
Neodymium	150-1	13	13	13	13	0.00	cps
Neodymium	150-2	0	0	0	0	0.00	cps
Nickel	60-2	83	70	63	72	14.11	cps
Phosphorus	31-2	0	8	17	8	100.02	cps
Potassium	39-2	5460	5518	5410	5462	0.99	cps
Rhodium	103-1	3281028	3255019	3271159	3269069	0.40	cps
Rhodium	103-2	1228075	1235354	1229463	1230964	0.31	cps
Scandium	45-1	2554371	2548497	2604933	2569267	1.21	cps
Scandium	45-2	31646	32117	31121	31628	1.57	cps
Selenium	77-2	7	7	0	4	86.60	cps
Selenium	78-2	2	4	2	2	43.30	cps
Selenium	82-1	42	-26	-90	-25	-266.14	cps
Silicon	28-1	267138	267961	265008	266702	0.57	cps
Silver	109-1	308	350	267	308	13.51	cps
Silver	107-1	258	217	233	236	8.88	cps
Sodium	23-2	23437	23044	23879	23453	1.78	cps
Strontium	86-1	917	1042	900	953	8.13	cps
Strontium	88-1	150	142	150	147	3.27	cps
Sulfur	34-1	358583	357314	356515	357470	0.29	cps
Terbium	159-1	3740377	3689652	3734539	3721523	0.75	cps
Terbium	159-2	1163825	1159310	1162553	1161896	0.20	cps
Thallium	203-1	42	42	42	42	0.00	cps
Thallium	205-1	208	158	100	156	34.86	cps
Tin	118-1	233	425	208	289	41.03	cps
Titanium	47-1	92	83	100	92	9.09	cps
Uranium	238-1	58	67	75	67	12.49	cps
Vanadium	51-2	23	20	30	24	20.83	cps
Yttrium	89-1	3771135	3745084	3766760	3760993	0.37	cps
Yttrium	89-2	186669	189994	186248	187637	1.09	cps
Zinc	66-2	60	100	70	77	27.15	cps

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	CCB53	Instrumnet Name :	P8
Client Sample ID :	CCB53	Dilution Factor :	1
Date & Time Acquired ::	2019-01-21 15:55:16	DataFile Name :	048CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	90-1	275	292	350	306	12.89	cps
Zirconium	91-1	67	75	75	72	6.66	cps

LB Number : LB100421 Operator : Jaswal
 Lab Sample ID : K1104-06 Instrumnet Name : P8
 Client Sample ID : EPA-EX-2-OB-01092019 Dilution Factor : 1
 Date & Time Acquired :: 2019-01-21 15:58:50 DataFile Name : 049SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	5250	5152	5057	5153	1.87	cps
Antimony	121-1	817	742	917	825	10.64	cps
Arsenic	75-2	30	33	19	27	28.38	cps
Barium	135-1	16995	16928	17512	17145	1.86	cps
Barium	137-1	29475	29099	29910	29495	1.37	cps
Beryllium	9-1	600	527	620	582	8.44	cps
Bismuth	209-1	1876830	1882394	1939484	1899569	1.83	cps
Bismuth	209-2	851814	836617	846620	845017	0.91	cps
Boron	10-1	77057	78900	79998	78652	1.89	cps
Boron	11-1	383985	389834	399510	391110	2.00	cps
Cadmium	111-1	5513	5314	5537	5455	2.25	cps
Cadmium	106-1	1042	967	1050	1020	4.50	cps
Cadmium	108-1	346	371	350	356	3.77	cps
Calcium	43-1	490403	492868	495591	492954	0.53	cps
Calcium	44-1	8001435	8073675	8159169	8078093	0.98	cps
Chromium	52-2	24500899	24290348	24513426	24434891	0.51	cps
Cobalt	59-2	10951	10631	10868	10817	1.54	cps
Copper	63-2	942882	930724	930893	934833	0.75	cps
Dysprosium	156-1	2359	2250	2292	2300	2.38	cps
Dysprosium	156-2	953	943	840	912	6.88	cps
Erbium	164-1	1992	2334	2309	2211	8.61	cps
Erbium	164-2	753	830	817	800	5.12	cps
Gadolinium	160-1	2509	2642	2425	2525	4.33	cps
Gadolinium	160-2	1133	1223	1163	1173	3.91	cps
Holmium	165-1	3292166	3313546	3398490	3334734	1.69	cps
Holmium	165-2	1139955	1127227	1137039	1134740	0.59	cps
Indium	115-1	3033608	3012233	3113050	3052964	1.74	cps
Indium	115-2	221462	218880	218580	219641	0.72	cps
Iron	56-2	15798	14769	14247	14938	5.29	cps
Iron	57-2	367	389	433	396	8.57	cps
Krypton	83-1	503	547	477	509	6.94	cps
Lead	206-1	706	611	828	715	15.20	cps
Lead	207-1	617	572	528	572	7.77	cps
Lead	208-1	2750	2472	2678	2634	5.47	cps
Lithium	6-1	524167	532438	540161	532255	1.50	cps
Magnesium	24-2	193249	191280	192850	192460	0.54	cps

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	K1104-06	Instrumnet Name :	P8
Client Sample ID :	EPA-EX-2-OB-01092019	Dilution Factor :	1
Date & Time Acquired ::	2019-01-21 15:58:50	DataFile Name :	049SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	117838	114828	115744	116137	1.33	cps
Molybdenum	94-1	3742	3717	3817	3759	1.38	cps
Molybdenum	95-1	5943	6160	6085	6063	1.82	cps
Molybdenum	96-1	6185	6444	6168	6266	2.46	cps
Molybdenum	97-1	3592	3426	3667	3562	3.47	cps
Molybdenum	98-1	8995	9654	9278	9309	3.55	cps
Neodymium	150-1	2494	2354	2680	2509	6.53	cps
Neodymium	150-2	513	550	597	553	7.55	cps
Nickel	60-2	27377	27183	28002	27521	1.55	cps
Phosphorus	31-2	8	17	33	19	65.48	cps
Potassium	39-2	70301	68174	68877	69117	1.57	cps
Rhodium	103-1	2998860	2986668	3064120	3016550	1.38	cps
Rhodium	103-2	1169225	1152710	1154677	1158871	0.78	cps
Scandium	45-1	2422519	2441585	2464172	2442759	0.85	cps
Scandium	45-2	31048	30500	30370	30639	1.17	cps
Selenium	77-2	7	13	0	7	99.98	cps
Selenium	78-2	7	11	11	10	21.63	cps
Selenium	82-1	195	158	192	182	11.35	cps
Silicon	28-1	46102835	46170656	46099144	46124212	0.09	cps
Silver	109-1	950	1075	958	995	7.03	cps
Silver	107-1	1017	1167	1183	1122	8.18	cps
Sodium	23-2	9520923	9270927	9422958	9404936	1.34	cps
Strontium	86-1	56986	60502	59681	59056	3.11	cps
Strontium	88-1	494692	503546	497149	498462	0.92	cps
Sulfur	34-1	794187	794424	809829	799480	1.12	cps
Terbium	159-1	3458464	3526868	3536771	3507368	1.22	cps
Terbium	159-2	1131490	1119265	1128866	1126540	0.57	cps
Thallium	203-1	58	50	108	72	43.68	cps
Thallium	205-1	108	167	92	122	32.22	cps
Tin	118-1	450	433	400	428	5.95	cps
Titanium	47-1	492	508	550	517	5.82	cps
Uranium	238-1	592	675	575	614	8.73	cps
Vanadium	51-2	57	63	63	61	6.29	cps
Yttrium	89-1	3542577	3589485	3604582	3578881	0.90	cps
Yttrium	89-2	181953	179672	180789	180805	0.63	cps
Zinc	66-2	14294	13871	14024	14063	1.53	cps

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	K1104-06	Instrumnet Name :	P8
Client Sample ID :	EPA-EX-2-OB-01092019	Dilution Factor :	1
Date & Time Acquired ::	2019-01-21 15:58:50	DataFile Name :	049SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	90-1	658	742	733	711	6.45	cps
Zirconium	91-1	167	175	133	158	13.92	cps

LB Number : LB100421 Operator : Jaswal
 Lab Sample ID : K1104-08 Instrumnet Name : P8
 Client Sample ID : EPA-MW-37-BR-0109201 Dilution Factor : 1
 Date & Time Acquired :: 2019-01-21 16:02:21 DataFile Name : 050SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	53	60	63	58	8.93	cps
Antimony	121-1	442	358	442	414	11.62	cps
Arsenic	75-2	44	63	61	56	18.16	cps
Barium	135-1	186749	187671	184503	186308	0.87	cps
Barium	137-1	319548	324771	322898	322406	0.82	cps
Beryllium	9-1	67	70	103	80	25.35	cps
Bismuth	209-1	1979570	2019862	2011383	2003605	1.06	cps
Bismuth	209-2	853919	838618	834135	842224	1.23	cps
Boron	10-1	10521	9829	9637	9996	4.65	cps
Boron	11-1	49052	51443	47622	49372	3.91	cps
Cadmium	111-1	407	573	525	502	17.09	cps
Cadmium	106-1	583	800	700	694	15.62	cps
Cadmium	108-1	8	17	4	10	65.47	cps
Calcium	43-1	1341190	1330411	1343753	1338451	0.53	cps
Calcium	44-1	21297659	21525284	21735078	21519340	1.02	cps
Chromium	52-2	1614498	1627063	1642630	1628064	0.87	cps
Cobalt	59-2	227	230	233	230	1.45	cps
Copper	63-2	4371	4594	4424	4463	2.61	cps
Dysprosium	156-1	42	25	33	33	25.01	cps
Dysprosium	156-2	3	20	7	10	88.20	cps
Erbium	164-1	100	100	42	81	41.81	cps
Erbium	164-2	20	37	27	28	30.20	cps
Gadolinium	160-1	58	33	25	39	44.62	cps
Gadolinium	160-2	13	27	23	21	32.88	cps
Holmium	165-1	3409430	3408662	3354571	3390888	0.93	cps
Holmium	165-2	1132086	1119938	1125472	1125832	0.54	cps
Indium	115-1	3079106	3100195	3127858	3102386	0.79	cps
Indium	115-2	221675	217567	220781	220007	0.98	cps
Iron	56-2	7680	8041	7847	7856	2.30	cps
Iron	57-2	222	172	233	209	15.56	cps
Krypton	83-1	543	580	477	533	9.82	cps
Lead	206-1	583	739	694	672	11.92	cps
Lead	207-1	611	611	544	589	6.54	cps
Lead	208-1	2617	2700	2511	2609	3.63	cps
Lithium	6-1	562315	571913	569230	567819	0.87	cps
Magnesium	24-2	644597	650179	648480	647752	0.44	cps

LB Number : LB100421 Operator : Jaswal
 Lab Sample ID : K1104-08 Instrumnet Name : P8
 Client Sample ID : EPA-MW-37-BR-0109201 Dilution Factor : 1
 Date & Time Acquired :: 2019-01-21 16:02:21 DataFile Name : 050SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	220	220	273	238	12.95	cps
Molybdenum	94-1	800	808	933	847	8.82	cps
Molybdenum	95-1	1192	1233	1167	1197	2.81	cps
Molybdenum	96-1	1483	1417	1600	1500	6.19	cps
Molybdenum	97-1	875	967	1050	964	9.08	cps
Molybdenum	98-1	2192	1934	2109	2078	6.35	cps
Neodymium	150-1	20	27	0	16	89.22	cps
Neodymium	150-2	3	3	7	4	43.40	cps
Nickel	60-2	1430	1450	1397	1426	1.89	cps
Phosphorus	31-2	17	8	17	14	34.67	cps
Potassium	39-2	37986	37409	38487	37961	1.42	cps
Rhodium	103-1	3027808	3093578	3059696	3060360	1.07	cps
Rhodium	103-2	1167797	1149211	1158522	1158510	0.80	cps
Scandium	45-1	2440962	2493903	2488679	2474515	1.18	cps
Scandium	45-2	31202	30380	30864	30815	1.34	cps
Selenium	77-2	7	7	3	6	34.70	cps
Selenium	78-2	11	9	6	9	32.69	cps
Selenium	82-1	174	129	254	186	34.26	cps
Silicon	28-1	20513586	20733772	20759325	20668895	0.65	cps
Silver	109-1	342	325	392	353	9.83	cps
Silver	107-1	308	383	242	311	22.78	cps
Sodium	23-2	5496723	5447799	5424406	5456309	0.68	cps
Strontium	86-1	194976	195238	195844	195353	0.23	cps
Strontium	88-1	1764642	1756360	1765791	1762264	0.29	cps
Sulfur	34-1	555242	555959	558876	556692	0.35	cps
Terbium	159-1	3597608	3656772	3596177	3616852	0.96	cps
Terbium	159-2	1141581	1113502	1129734	1128272	1.25	cps
Thallium	203-1	67	92	50	69	30.20	cps
Thallium	205-1	50	92	67	69	30.20	cps
Tin	118-1	617	600	575	597	3.51	cps
Titanium	47-1	300	308	233	281	14.65	cps
Uranium	238-1	2309	2084	2242	2211	5.23	cps
Vanadium	51-2	513	510	620	548	11.42	cps
Yttrium	89-1	3616900	3633382	3637585	3629289	0.30	cps
Yttrium	89-2	180205	179104	182076	180462	0.83	cps
Zinc	66-2	1513	1500	1490	1501	0.78	cps

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	K1104-08	Instrumnet Name :	P8
Client Sample ID :	EPA-MW-37-BR-0109201	Dilution Factor :	1
Date & Time Acquired ::	2019-01-21 16:02:21	DataFile Name :	050SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	90-1	292	342	342	325	8.88	cps
Zirconium	91-1	58	67	100	75	29.40	cps

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	K1104-08DUP	Instrumnet Name :	P8
Client Sample ID :	EPA-MW-37-BR-0109201	Dilution Factor :	1
Date & Time Acquired ::	2019-01-21 16:05:52	DataFile Name :	051SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	65	70	65	67	4.33	cps
Antimony	121-1	300	367	358	342	10.63	cps
Arsenic	75-2	59	67	43	56	21.96	cps
Barium	135-1	187486	184580	188288	186785	1.04	cps
Barium	137-1	320113	316883	318864	318620	0.51	cps
Beryllium	9-1	43	37	63	48	29.05	cps
Bismuth	209-1	1973295	1924874	1978606	1958925	1.51	cps
Bismuth	209-2	838518	822432	832452	831134	0.98	cps
Boron	10-1	9195	8870	9479	9181	3.32	cps
Boron	11-1	43860	44061	44203	44041	0.39	cps
Cadmium	111-1	668	605	443	572	20.28	cps
Cadmium	106-1	933	833	600	789	21.68	cps
Cadmium	108-1	8	4	8	7	34.59	cps
Calcium	43-1	1354606	1355933	1352836	1354458	0.11	cps
Calcium	44-1	21680557	21620182	21958646	21753128	0.83	cps
Chromium	52-2	1640638	1636412	1648494	1641848	0.37	cps
Cobalt	59-2	220	260	227	236	9.10	cps
Copper	63-2	4417	4377	4444	4413	0.76	cps
Dysprosium	156-1	58	33	0	31	95.79	cps
Dysprosium	156-2	13	10	10	11	17.30	cps
Erbium	164-1	75	42	117	78	48.31	cps
Erbium	164-2	23	10	20	18	39.03	cps
Gadolinium	160-1	67	50	42	53	24.12	cps
Gadolinium	160-2	7	30	10	16	81.11	cps
Holmium	165-1	3334203	3386002	3332668	3350958	0.91	cps
Holmium	165-2	1124365	1104831	1125678	1118291	1.04	cps
Indium	115-1	3109716	3049342	3108353	3089137	1.12	cps
Indium	115-2	222688	220288	221094	221357	0.55	cps
Iron	56-2	8086	7502	7791	7793	3.74	cps
Iron	57-2	244	217	272	244	11.36	cps
Krypton	83-1	517	493	537	516	4.21	cps
Lead	206-1	594	628	567	596	5.13	cps
Lead	207-1	489	556	467	504	9.18	cps
Lead	208-1	2322	2406	2356	2361	1.78	cps
Lithium	6-1	557927	558765	559227	558640	0.12	cps
Magnesium	24-2	666079	661377	661284	662913	0.41	cps

LB Number : LB100421 Operator : Jaswal
 Lab Sample ID : K1104-08DUP Instrumnet Name : P8
 Client Sample ID : EPA-MW-37-BR-0109201 Dilution Factor : 1
 Date & Time Acquired :: 2019-01-21 16:05:52 DataFile Name : 051SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	213	267	293	258	15.80	cps
Molybdenum	94-1	900	792	933	875	8.46	cps
Molybdenum	95-1	1458	1250	1258	1322	8.92	cps
Molybdenum	96-1	1450	1483	1450	1461	1.32	cps
Molybdenum	97-1	808	908	942	886	7.83	cps
Molybdenum	98-1	2217	1884	1975	2025	8.50	cps
Neodymium	150-1	27	33	53	38	36.73	cps
Neodymium	150-2	0	0	0	0	0.00	cps
Nickel	60-2	1393	1430	1223	1349	8.18	cps
Phosphorus	31-2	0	8	25	11	114.58	cps
Potassium	39-2	39707	38086	38078	38623	2.43	cps
Rhodium	103-1	3070254	3033836	3047705	3050598	0.60	cps
Rhodium	103-2	1154709	1153188	1154148	1154015	0.07	cps
Scandium	45-1	2496386	2498073	2487545	2494001	0.23	cps
Scandium	45-2	30720	30176	30690	30529	1.00	cps
Selenium	77-2	0	3	7	3	100.05	cps
Selenium	78-2	7	7	6	7	15.72	cps
Selenium	82-1	239	292	183	238	22.86	cps
Silicon	28-1	20874465	20687432	20609456	20723784	0.66	cps
Silver	109-1	400	375	267	347	20.41	cps
Silver	107-1	250	333	417	333	25.00	cps
Sodium	23-2	5613088	5498486	5530049	5547208	1.07	cps
Strontium	86-1	195920	196022	193570	195170	0.71	cps
Strontium	88-1	1748132	1726564	1750466	1741721	0.76	cps
Sulfur	34-1	579166	571621	575297	575361	0.66	cps
Terbium	159-1	3616808	3575082	3598302	3596731	0.58	cps
Terbium	159-2	1130703	1112135	1132679	1125172	1.01	cps
Thallium	203-1	58	17	50	42	52.91	cps
Thallium	205-1	125	92	92	103	18.73	cps
Tin	118-1	658	700	792	717	9.52	cps
Titanium	47-1	317	225	267	269	17.04	cps
Uranium	238-1	2200	2434	2459	2364	6.03	cps
Vanadium	51-2	607	637	563	602	6.12	cps
Yttrium	89-1	3593456	3619295	3629057	3613936	0.51	cps
Yttrium	89-2	181887	182169	181629	181895	0.15	cps
Zinc	66-2	1410	1343	1393	1382	2.51	cps

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	K1104-08DUP	Instrumnet Name :	P8
Client Sample ID :	EPA-MW-37-BR-0109201	Dilution Factor :	1
Date & Time Acquired ::	2019-01-21 16:05:52	DataFile Name :	051SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	90-1	275	350	408	344	19.40	cps
Zirconium	91-1	58	92	83	78	22.30	cps

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	K1104-08LX5	Instrumnet Name :	P8
Client Sample ID :	EPA-MW-37-BR-0109201	Dilution Factor :	5
Date & Time Acquired ::	2019-01-21 16:09:23	DataFile Name :	052SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	28	35	48	37	27.55	cps
Antimony	121-1	158	142	108	136	18.70	cps
Arsenic	75-2	20	19	11	17	29.40	cps
Barium	135-1	42084	42101	42102	42096	0.02	cps
Barium	137-1	73146	72491	74058	73232	1.07	cps
Beryllium	9-1	57	43	57	52	14.75	cps
Bismuth	209-1	2078591	2063988	2065568	2069382	0.39	cps
Bismuth	209-2	883561	887846	891193	887533	0.43	cps
Boron	10-1	3626	3492	3551	3556	1.88	cps
Boron	11-1	17486	18246	17002	17578	3.57	cps
Cadmium	111-1	605	526	644	592	10.15	cps
Cadmium	106-1	867	758	917	847	9.55	cps
Cadmium	108-1	8	13	8	10	24.77	cps
Calcium	43-1	302784	303561	302692	303012	0.16	cps
Calcium	44-1	4987488	5016337	5014662	5006162	0.32	cps
Chromium	52-2	366309	368423	369756	368163	0.47	cps
Cobalt	59-2	83	130	110	108	21.72	cps
Copper	63-2	1360	1370	1410	1380	1.92	cps
Dysprosium	156-1	8	17	17	14	34.67	cps
Dysprosium	156-2	7	10	0	6	91.64	cps
Erbium	164-1	33	25	33	31	15.74	cps
Erbium	164-2	3	7	17	9	78.08	cps
Gadolinium	160-1	50	25	33	36	35.25	cps
Gadolinium	160-2	7	7	3	6	34.70	cps
Holmium	165-1	3439125	3447684	3433237	3440015	0.21	cps
Holmium	165-2	1164522	1175836	1176723	1172360	0.58	cps
Indium	115-1	3213734	3222629	3266817	3234393	0.88	cps
Indium	115-2	234427	233412	236067	234635	0.57	cps
Iron	56-2	4412	4140	4468	4340	4.04	cps
Iron	57-2	144	150	144	146	2.19	cps
Krypton	83-1	553	603	623	593	6.08	cps
Lead	206-1	378	333	394	369	8.57	cps
Lead	207-1	294	322	311	309	4.52	cps
Lead	208-1	1306	1350	1389	1348	3.09	cps
Lithium	6-1	586644	589489	588292	588142	0.24	cps
Magnesium	24-2	151047	152165	152888	152033	0.61	cps

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	K1104-08LX5	Instrumnet Name :	P8
Client Sample ID :	EPA-MW-37-BR-0109201	Dilution Factor :	5
Date & Time Acquired ::	2019-01-21 16:09:23	DataFile Name :	052SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	127	140	130	132	5.25	cps
Molybdenum	94-1	275	283	208	256	16.09	cps
Molybdenum	95-1	233	317	267	272	15.41	cps
Molybdenum	96-1	350	458	325	378	18.76	cps
Molybdenum	97-1	275	200	300	258	20.15	cps
Molybdenum	98-1	467	517	575	519	10.44	cps
Neodymium	150-1	7	0	0	2	173.21	cps
Neodymium	150-2	0	7	0	2	173.21	cps
Nickel	60-2	340	350	417	369	11.30	cps
Phosphorus	31-2	17	0	42	19	107.85	cps
Potassium	39-2	13515	13565	12706	13262	3.64	cps
Rhodium	103-1	3226825	3163114	3208021	3199320	1.02	cps
Rhodium	103-2	1226433	1234310	1228775	1229839	0.33	cps
Scandium	45-1	2627580	2624293	2653108	2634993	0.60	cps
Scandium	45-2	32825	32885	32481	32731	0.67	cps
Selenium	77-2	0	3	0	1	173.21	cps
Selenium	78-2	7	7	0	5	86.60	cps
Selenium	82-1	73	32	-17	29	153.49	cps
Silicon	28-1	4978629	4932441	5066623	4992564	1.37	cps
Silver	109-1	183	200	75	153	44.43	cps
Silver	107-1	175	167	192	178	7.16	cps
Sodium	23-2	1314769	1324423	1327969	1322387	0.52	cps
Strontium	86-1	45878	44381	44565	44942	1.82	cps
Strontium	88-1	380514	381345	382517	381459	0.26	cps
Sulfur	34-1	456690	456056	457926	456891	0.21	cps
Terbium	159-1	3719878	3625962	3710559	3685466	1.40	cps
Terbium	159-2	1175048	1175576	1179984	1176869	0.23	cps
Thallium	203-1	8	25	58	31	83.33	cps
Thallium	205-1	33	58	58	50	28.88	cps
Tin	118-1	367	317	333	339	7.51	cps
Titanium	47-1	108	167	158	144	21.84	cps
Uranium	238-1	467	492	508	489	4.29	cps
Vanadium	51-2	160	120	137	139	14.47	cps
Yttrium	89-1	3779563	3769549	3795519	3781543	0.35	cps
Yttrium	89-2	189806	191036	191782	190875	0.52	cps
Zinc	66-2	410	347	437	398	11.62	cps

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	K1104-08LX5	Instrumnet Name :	P8
Client Sample ID :	EPA-MW-37-BR-0109201	Dilution Factor :	5
Date & Time Acquired ::	2019-01-21 16:09:23	DataFile Name :	052SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	90-1	200	342	150	231	43.12	cps
Zirconium	91-1	67	50	42	53	24.12	cps

LB Number : LB100421 Operator : Jaswal
 Lab Sample ID : K1104-08MS Instrumnet Name : P8
 Client Sample ID : EPA-MW-37-BR-0109201 Dilution Factor : 1
 Date & Time Acquired :: 2019-01-21 16:12:55 DataFile Name : 053SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	56222	55783	56370	56125	0.54	cps
Antimony	121-1	2267157	2307398	2331585	2302047	1.41	cps
Arsenic	75-2	46218	46543	46231	46330	0.40	cps
Barium	135-1	2462724	2533454	2526790	2507656	1.56	cps
Barium	137-1	4172462	4286323	4334460	4264415	1.95	cps
Beryllium	9-1	390913	379847	377119	382627	1.91	cps
Bismuth	209-1	1872364	1907807	1920667	1900279	1.32	cps
Bismuth	209-2	739639	738766	739511	739305	0.06	cps
Boron	10-1	61165	61089	60520	60925	0.58	cps
Boron	11-1	290575	288289	285507	288124	0.88	cps
Cadmium	111-1	487311	491259	496160	491577	0.90	cps
Cadmium	106-1	50622	50328	50512	50487	0.29	cps
Cadmium	108-1	34319	34799	34758	34625	0.77	cps
Calcium	43-1	1825396	1797019	1783091	1801835	1.20	cps
Calcium	44-1	29029450	28747165	28705372	28827329	0.61	cps
Chromium	52-2	1805323	1760948	1764058	1776776	1.39	cps
Cobalt	59-2	715952	713934	715778	715221	0.16	cps
Copper	63-2	1245006	1241862	1244333	1243734	0.13	cps
Dysprosium	156-1	25	25	25	25	0.00	cps
Dysprosium	156-2	10	17	3	10	66.70	cps
Erbium	164-1	58	75	83	72	17.62	cps
Erbium	164-2	20	23	7	17	52.90	cps
Gadolinium	160-1	83	50	83	72	26.65	cps
Gadolinium	160-2	27	10	13	17	52.93	cps
Holmium	165-1	3278654	3236594	3342718	3285989	1.63	cps
Holmium	165-2	1017259	1016702	1013074	1015678	0.22	cps
Indium	115-1	2834665	2886742	2911951	2877786	1.37	cps
Indium	115-2	183001	184091	181508	182867	0.71	cps
Iron	56-2	12424954	12466721	12400917	12430864	0.27	cps
Iron	57-2	304898	305385	301866	304050	0.63	cps
Krypton	83-1	593	577	593	588	1.64	cps
Lead	206-1	1065516	1093254	1119284	1092685	2.46	cps
Lead	207-1	932796	954951	972349	953365	2.08	cps
Lead	208-1	4410142	4512858	4573210	4498737	1.83	cps
Lithium	6-1	512994	515278	519613	515962	0.65	cps
Magnesium	24-2	1940648	1947289	1966790	1951576	0.70	cps

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	K1104-08MS	Instrumnet Name :	P8
Client Sample ID :	EPA-MW-37-BR-0109201	Dilution Factor :	1
Date & Time Acquired ::	2019-01-21 16:12:55	DataFile Name :	053SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	212984	215217	211442	213214	0.89	cps
Molybdenum	94-1	4119791	4140495	4281924	4180737	2.11	cps
Molybdenum	95-1	5079077	5122365	5257438	5152960	1.81	cps
Molybdenum	96-1	5557414	5721118	5659186	5645906	1.46	cps
Molybdenum	97-1	3101696	3125632	3176981	3134770	1.23	cps
Molybdenum	98-1	8095618	8122293	8244379	8154097	0.97	cps
Neodymium	150-1	73	80	80	78	4.94	cps
Neodymium	150-2	7	3	0	3	100.05	cps
Nickel	60-2	208994	210836	211964	210598	0.71	cps
Phosphorus	31-2	25	8	8	14	69.31	cps
Potassium	39-2	426189	425039	422253	424494	0.48	cps
Rhodium	103-1	2795960	2795557	2839584	2810367	0.90	cps
Rhodium	103-2	1044417	1040472	1044069	1042986	0.21	cps
Scandium	45-1	2228220	2225547	2158851	2204206	1.78	cps
Scandium	45-2	26519	26692	25938	26383	1.50	cps
Selenium	77-2	310	343	260	304	13.78	cps
Selenium	78-2	1072	1050	1093	1072	1.99	cps
Selenium	82-1	34715	34601	34840	34719	0.34	cps
Silicon	28-1	18186310	17720420	17280835	17729188	2.55	cps
Silver	109-1	2382325	2390490	2416551	2396455	0.75	cps
Silver	107-1	2477053	2454784	2499852	2477230	0.91	cps
Sodium	23-2	8046630	7957248	7952839	7985572	0.66	cps
Strontium	86-1	794913	793464	801865	796747	0.56	cps
Strontium	88-1	6929048	6916871	7036080	6960666	0.94	cps
Sulfur	34-1	478915	460744	450725	463462	3.08	cps
Terbium	159-1	3496687	3490265	3547632	3511528	0.90	cps
Terbium	159-2	1012988	1006915	1010389	1010097	0.30	cps
Thallium	203-1	1332507	1351745	1393737	1359330	2.30	cps
Thallium	205-1	3314188	3381527	3513609	3403108	2.98	cps
Tin	118-1	1390980	1425375	1441330	1419228	1.81	cps
Titanium	47-1	1564979	1556533	1534779	1552097	1.00	cps
Uranium	238-1	4223002	4311863	4407801	4314222	2.14	cps
Vanadium	51-2	264537	261783	259415	261912	0.98	cps
Yttrium	89-1	3371082	3374487	3329115	3358228	0.75	cps
Yttrium	89-2	155864	154192	153667	154574	0.74	cps
Zinc	66-2	124670	123749	125058	124493	0.54	cps

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	K1104-08MS	Instrumnet Name :	P8
Client Sample ID :	EPA-MW-37-BR-0109201	Dilution Factor :	1
Date & Time Acquired ::	2019-01-21 16:12:55	DataFile Name :	053SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	90-1	3463622	3532684	3475920	3490742	1.06	cps
Zirconium	91-1	743510	748944	752068	748174	0.58	cps

LB Number : LB100421 Operator : Jaswal
 Lab Sample ID : K1104-08MSD Instrumnet Name : P8
 Client Sample ID : EPA-MW-37-BR-0109201 Dilution Factor : 1
 Date & Time Acquired :: 2019-01-21 16:16:31 DataFile Name : 054SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	53679	53160	53237	53359	0.53	cps
Antimony	121-1	2355154	2336250	2398943	2363449	1.36	cps
Arsenic	75-2	44720	45605	45447	45257	1.04	cps
Barium	135-1	2576090	2580249	2507880	2554740	1.59	cps
Barium	137-1	4402661	4386448	4380633	4389914	0.26	cps
Beryllium	9-1	350573	343892	345263	346576	1.02	cps
Bismuth	209-1	2024599	2030901	1995145	2016882	0.95	cps
Bismuth	209-2	737436	737413	736305	737051	0.09	cps
Boron	10-1	54873	55049	53894	54605	1.14	cps
Boron	11-1	258367	254713	258795	257292	0.87	cps
Cadmium	111-1	494017	500221	497440	497226	0.62	cps
Cadmium	106-1	49726	51625	51876	51076	2.30	cps
Cadmium	108-1	34641	34749	34728	34706	0.17	cps
Calcium	43-1	1714240	1715832	1721427	1717166	0.22	cps
Calcium	44-1	27526004	27656831	27542428	27575088	0.26	cps
Chromium	52-2	1710822	1711423	1722803	1715016	0.39	cps
Cobalt	59-2	697429	699527	699006	698654	0.16	cps
Copper	63-2	1223258	1228589	1228800	1226882	0.26	cps
Dysprosium	156-1	17	75	67	53	59.77	cps
Dysprosium	156-2	3	7	10	7	50.03	cps
Erbium	164-1	83	58	58	67	21.65	cps
Erbium	164-2	27	27	23	26	7.55	cps
Gadolinium	160-1	67	67	42	58	24.74	cps
Gadolinium	160-2	17	17	23	19	20.36	cps
Holmium	165-1	3373692	3465770	3488386	3442616	1.76	cps
Holmium	165-2	1003849	1002950	1006946	1004582	0.21	cps
Indium	115-1	2883956	2885479	2908653	2892696	0.48	cps
Indium	115-2	176249	176744	179253	177415	0.91	cps
Iron	56-2	12020994	11919850	12051168	11997337	0.57	cps
Iron	57-2	295890	298576	295844	296770	0.53	cps
Krypton	83-1	537	570	550	552	3.04	cps
Lead	206-1	1149290	1162313	1172746	1161450	1.01	cps
Lead	207-1	1009630	1018557	1021125	1016437	0.59	cps
Lead	208-1	4806178	4820703	4823328	4816736	0.19	cps
Lithium	6-1	450611	447717	436524	444951	1.67	cps
Magnesium	24-2	1889499	1894586	1901991	1895359	0.33	cps

LB Number : LB100421 Operator : Jaswal
 Lab Sample ID : K1104-08MSD Instrumnet Name : P8
 Client Sample ID : EPA-MW-37-BR-0109201 Dilution Factor : 1
 Date & Time Acquired :: 2019-01-21 16:16:31 DataFile Name : 054SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	206266	206127	206861	206418	0.19	cps
Molybdenum	94-1	4118852	4159850	4188314	4155672	0.84	cps
Molybdenum	95-1	5060714	5157530	5116234	5111493	0.95	cps
Molybdenum	96-1	5669136	5650511	5639796	5653148	0.26	cps
Molybdenum	97-1	3126610	3170388	3127729	3141575	0.79	cps
Molybdenum	98-1	8121268	8115596	8165953	8134272	0.34	cps
Neodymium	150-1	60	180	87	109	57.87	cps
Neodymium	150-2	0	10	0	3	173.21	cps
Nickel	60-2	206632	206620	208459	207237	0.51	cps
Phosphorus	31-2	8	8	8	8	0.00	cps
Potassium	39-2	405434	406897	403214	405181	0.46	cps
Rhodium	103-1	2752114	2787641	2848869	2796208	1.75	cps
Rhodium	103-2	1027797	1029378	1045179	1034118	0.93	cps
Scandium	45-1	2093756	2133747	2101723	2109742	1.00	cps
Scandium	45-2	25176	25760	25998	25645	1.65	cps
Selenium	77-2	310	327	263	300	10.94	cps
Selenium	78-2	1063	1093	1107	1088	2.08	cps
Selenium	82-1	34421	34174	34413	34336	0.41	cps
Silicon	28-1	16485670	16254895	16337909	16359491	0.71	cps
Silver	109-1	2408026	2404866	2394052	2402315	0.31	cps
Silver	107-1	2499300	2510081	2492050	2500477	0.36	cps
Sodium	23-2	7702405	7569545	7653809	7641920	0.88	cps
Strontium	86-1	785300	789131	786774	787068	0.25	cps
Strontium	88-1	6898986	6950567	6967302	6938952	0.51	cps
Sulfur	34-1	421350	415188	408460	414999	1.55	cps
Terbium	159-1	3608150	3659261	3693034	3653482	1.17	cps
Terbium	159-2	993831	1001500	1008463	1001265	0.73	cps
Thallium	203-1	1427480	1438605	1443713	1436599	0.58	cps
Thallium	205-1	3519108	3616211	3615571	3583630	1.56	cps
Tin	118-1	1434229	1446946	1436938	1439371	0.47	cps
Titanium	47-1	1473543	1485701	1467864	1475703	0.62	cps
Uranium	238-1	4549396	4665811	4669555	4628254	1.48	cps
Vanadium	51-2	255529	255292	257549	256123	0.48	cps
Yttrium	89-1	3247122	3329145	3283622	3286630	1.25	cps
Yttrium	89-2	149784	149198	150400	149794	0.40	cps
Zinc	66-2	121583	121110	121665	121453	0.25	cps

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	K1104-08MSD	Instrumnet Name :	P8
Client Sample ID :	EPA-MW-37-BR-0109201	Dilution Factor :	1
Date & Time Acquired ::	2019-01-21 16:16:31	DataFile Name :	054SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	90-1	3427547	3521523	3484093	3477721	1.36	cps
Zirconium	91-1	744663	750047	752745	749152	0.55	cps

LB Number : LB100421 Operator : Jaswal
 Lab Sample ID : K1104-08A Instrumnet Name : P8
 Client Sample ID : EPA-MW-37-BR-0109201 Dilution Factor : 1
 Date & Time Acquired :: 2019-01-21 16:19:56 DataFile Name : 055SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	52713	52439	52966	52706	0.50	cps
Antimony	121-1	2338543	2369325	2341228	2349699	0.73	cps
Arsenic	75-2	44767	45350	44464	44860	1.00	cps
Barium	135-1	2525915	2558964	2595143	2560007	1.35	cps
Barium	137-1	4361758	4413070	4381778	4385535	0.59	cps
Beryllium	9-1	328346	330118	328026	328830	0.34	cps
Bismuth	209-1	1999436	2017363	2056461	2024420	1.44	cps
Bismuth	209-2	737286	729438	730598	732441	0.58	cps
Boron	10-1	51861	52556	53124	52514	1.20	cps
Boron	11-1	238557	249317	248943	245606	2.49	cps
Cadmium	111-1	494250	495557	499299	496368	0.53	cps
Cadmium	106-1	51082	51307	50228	50872	1.12	cps
Cadmium	108-1	34599	34937	35079	34872	0.71	cps
Calcium	43-1	1724498	1703085	1698731	1708771	0.81	cps
Calcium	44-1	27087245	27239350	27336761	27221119	0.46	cps
Chromium	52-2	1717447	1698315	1716921	1710895	0.64	cps
Cobalt	59-2	698333	702594	695547	698824	0.51	cps
Copper	63-2	1213068	1220368	1218644	1217360	0.31	cps
Dysprosium	156-1	58	42	25	42	40.00	cps
Dysprosium	156-2	20	7	7	11	69.25	cps
Erbium	164-1	100	150	133	128	19.93	cps
Erbium	164-2	20	20	23	21	9.11	cps
Gadolinium	160-1	67	67	67	67	0.00	cps
Gadolinium	160-2	10	17	13	13	25.01	cps
Holmium	165-1	3431846	3462843	3456276	3450322	0.47	cps
Holmium	165-2	1011103	1008052	1004372	1007842	0.33	cps
Indium	115-1	2871252	2899650	2913220	2894707	0.74	cps
Indium	115-2	176304	176027	175982	176104	0.10	cps
Iron	56-2	11855715	12000306	11819094	11891705	0.81	cps
Iron	57-2	292881	296300	293442	294208	0.62	cps
Krypton	83-1	550	473	590	538	11.02	cps
Lead	206-1	1150609	1175428	1184497	1170178	1.50	cps
Lead	207-1	1001844	1026540	1037657	1022014	1.79	cps
Lead	208-1	4735478	4874165	4946643	4852096	2.21	cps
Lithium	6-1	404605	403046	396689	401447	1.04	cps
Magnesium	24-2	1879490	1866004	1871683	1872392	0.36	cps

LB Number : LB100421 Operator : Jaswal
 Lab Sample ID : K1104-08A Instrumnet Name : P8
 Client Sample ID : EPA-MW-37-BR-0109201 Dilution Factor : 1
 Date & Time Acquired :: 2019-01-21 16:19:56 DataFile Name : 055SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	203215	204689	203809	203905	0.36	cps
Molybdenum	94-1	4120670	4182391	4185268	4162776	0.88	cps
Molybdenum	95-1	5100973	5127285	5113985	5114081	0.26	cps
Molybdenum	96-1	5653885	5633618	5691238	5659580	0.52	cps
Molybdenum	97-1	3099599	3143649	3159236	3134161	0.99	cps
Molybdenum	98-1	8089926	8173542	8115699	8126389	0.53	cps
Neodymium	150-1	107	27	40	58	74.18	cps
Neodymium	150-2	3	0	3	2	86.60	cps
Nickel	60-2	207353	207061	206311	206908	0.26	cps
Phosphorus	31-2	8	33	0	14	124.92	cps
Potassium	39-2	405284	402163	398371	401939	0.86	cps
Rhodium	103-1	2769411	2826182	2812864	2802819	1.06	cps
Rhodium	103-2	1036968	1027320	1025009	1029766	0.62	cps
Scandium	45-1	2075728	2050071	2100694	2075498	1.22	cps
Scandium	45-2	24899	25012	24602	24838	0.85	cps
Selenium	77-2	323	303	317	314	3.24	cps
Selenium	78-2	1067	994	1067	1043	4.00	cps
Selenium	82-1	33956	34303	34390	34216	0.67	cps
Silicon	28-1	15745498	16336545	15753883	15945309	2.13	cps
Silver	109-1	2399096	2412406	2382676	2398059	0.62	cps
Silver	107-1	2470865	2544365	2519874	2511701	1.49	cps
Sodium	23-2	7651788	7593274	7611564	7618875	0.39	cps
Strontium	86-1	777899	790227	792546	786891	1.00	cps
Strontium	88-1	6807549	6971348	6891810	6890235	1.19	cps
Sulfur	34-1	406383	399891	396706	400993	1.23	cps
Terbium	159-1	3603281	3615189	3697925	3638798	1.42	cps
Terbium	159-2	1005370	998776	1002507	1002218	0.33	cps
Thallium	203-1	1437166	1450552	1459741	1449153	0.78	cps
Thallium	205-1	3601992	3658880	3662648	3641174	0.93	cps
Tin	118-1	1420583	1446671	1454356	1440536	1.23	cps
Titanium	47-1	1471735	1447703	1459602	1459680	0.82	cps
Uranium	238-1	4669430	4733054	4704244	4702242	0.68	cps
Vanadium	51-2	251927	253114	253622	252888	0.34	cps
Yttrium	89-1	3252467	3292514	3315999	3286993	0.98	cps
Yttrium	89-2	149043	148335	146660	148013	0.83	cps
Zinc	66-2	119880	121745	121133	120919	0.79	cps

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	K1104-08A	Instrumnet Name :	P8
Client Sample ID :	EPA-MW-37-BR-0109201	Dilution Factor :	1
Date & Time Acquired ::	2019-01-21 16:19:56	DataFile Name :	055SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	90-1	3392145	3431891	3500834	3441623	1.60	cps
Zirconium	91-1	736639	749112	749879	745210	1.00	cps

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	K1079-06DLX100	Instrumnet Name :	P8
Client Sample ID :	EPA-MW-29-BR-0107201	Dilution Factor :	100
Date & Time Acquired ::	2019-01-21 16:23:21	DataFile Name :	056SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	50	45	45	47	6.18	cps
Antimony	121-1	825	783	792	800	2.76	cps
Arsenic	75-2	41	54	31	42	26.59	cps
Barium	135-1	29601	31004	30002	30202	2.39	cps
Barium	137-1	52498	51543	51150	51730	1.34	cps
Beryllium	9-1	130	120	103	118	11.43	cps
Bismuth	209-1	2415595	2337092	2339147	2363945	1.89	cps
Bismuth	209-2	920518	913401	912236	915385	0.49	cps
Boron	10-1	3517	3009	3817	3448	11.86	cps
Boron	11-1	16026	15768	16051	15948	0.98	cps
Cadmium	111-1	520	532	552	535	3.00	cps
Cadmium	106-1	708	675	742	708	4.71	cps
Cadmium	108-1	13	4	13	10	49.46	cps
Calcium	43-1	253876	253763	254432	254024	0.14	cps
Calcium	44-1	4191010	4195604	4272075	4219563	1.08	cps
Chromium	52-2	113512	114097	113492	113700	0.30	cps
Cobalt	59-2	653	667	623	648	3.43	cps
Copper	63-2	960	1017	950	976	3.69	cps
Dysprosium	156-1	25	17	42	28	45.82	cps
Dysprosium	156-2	0	0	0	0	0.00	cps
Erbium	164-1	17	8	25	17	50.01	cps
Erbium	164-2	7	7	7	7	0.00	cps
Gadolinium	160-1	8	17	25	17	50.01	cps
Gadolinium	160-2	7	13	7	9	43.25	cps
Holmium	165-1	3909485	3831921	3790618	3844008	1.57	cps
Holmium	165-2	1173664	1174194	1179558	1175805	0.28	cps
Indium	115-1	3468228	3437880	3425233	3443780	0.64	cps
Indium	115-2	219389	220856	221603	220616	0.51	cps
Iron	56-2	9348	9020	8925	9098	2.44	cps
Iron	57-2	283	244	233	254	10.35	cps
Krypton	83-1	513	483	537	511	5.23	cps
Lead	206-1	1578	1578	1528	1561	1.85	cps
Lead	207-1	1467	1239	1439	1382	9.00	cps
Lead	208-1	6640	6329	6001	6323	5.05	cps
Lithium	6-1	473371	472890	475575	473946	0.30	cps
Magnesium	24-2	96938	97642	97474	97352	0.38	cps

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	K1079-06DLX100	Instrumnet Name :	P8
Client Sample ID :	EPA-MW-29-BR-0107201	Dilution Factor :	100
Date & Time Acquired ::	2019-01-21 16:23:21	DataFile Name :	056SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	86790	87499	85711	86667	1.04	cps
Molybdenum	94-1	925	633	567	708	26.91	cps
Molybdenum	95-1	1025	725	758	836	19.67	cps
Molybdenum	96-1	1083	1000	650	911	25.24	cps
Molybdenum	97-1	642	492	533	556	13.94	cps
Molybdenum	98-1	1342	1442	1033	1272	16.73	cps
Neodymium	150-1	7	13	7	9	43.25	cps
Neodymium	150-2	0	0	0	0	0.00	cps
Nickel	60-2	960	970	913	948	3.19	cps
Phosphorus	31-2	8	0	0	3	173.21	cps
Potassium	39-2	11313	11222	11188	11241	0.58	cps
Rhodium	103-1	3382536	3361462	3360157	3368052	0.37	cps
Rhodium	103-2	1221900	1210370	1233933	1222068	0.96	cps
Scandium	45-1	2529120	2500391	2496992	2508834	0.70	cps
Scandium	45-2	29919	30052	29979	29983	0.22	cps
Selenium	77-2	0	0	0	0	0.00	cps
Selenium	78-2	2	2	4	2	43.30	cps
Selenium	82-1	74	127	57	86	42.02	cps
Silicon	28-1	3906956	3923036	3933846	3921279	0.35	cps
Silver	109-1	892	767	533	731	24.90	cps
Silver	107-1	742	775	717	745	3.93	cps
Sodium	23-2	1386566	1374349	1368650	1376522	0.66	cps
Strontium	86-1	39216	39675	38923	39272	0.97	cps
Strontium	88-1	335511	334868	337971	336116	0.49	cps
Sulfur	34-1	343994	345578	346480	345351	0.36	cps
Terbium	159-1	4126121	4113685	4055910	4098572	0.91	cps
Terbium	159-2	1170551	1169773	1174513	1171612	0.22	cps
Thallium	203-1	233	192	150	192	21.74	cps
Thallium	205-1	542	442	333	439	23.74	cps
Tin	118-1	967	1025	967	986	3.42	cps
Titanium	47-1	200	192	150	181	14.84	cps
Uranium	238-1	1092	842	850	928	15.31	cps
Vanadium	51-2	70	90	67	76	16.70	cps
Yttrium	89-1	3900400	3842275	3844003	3862226	0.86	cps
Yttrium	89-2	178938	178847	179609	179131	0.23	cps
Zinc	66-2	223	243	183	217	14.10	cps

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	K1079-06DLX100	Instrumnet Name :	P8
Client Sample ID :	EPA-MW-29-BR-0107201	Dilution Factor :	100
Date & Time Acquired ::	2019-01-21 16:23:21	DataFile Name :	056SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	90-1	633	483	400	506	23.39	cps
Zirconium	91-1	150	133	142	142	5.88	cps

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	K1079-12DLX100	Instrumnet Name :	P8
Client Sample ID :	EPA-MW-39-OB-010720	Dilution Factor :	100
Date & Time Acquired ::	2019-01-21 16:26:54	DataFile Name :	057SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	138	145	173	152	12.15	cps
Antimony	121-1	225	250	292	256	13.18	cps
Arsenic	75-2	9	11	15	12	24.10	cps
Barium	135-1	1642	1400	1742	1595	11.02	cps
Barium	137-1	2892	3059	2884	2945	3.35	cps
Beryllium	9-1	87	93	80	87	7.70	cps
Bismuth	209-1	2370058	2347630	2332840	2350176	0.80	cps
Bismuth	209-2	935279	942231	942431	939980	0.43	cps
Boron	10-1	5168	5268	5635	5357	4.59	cps
Boron	11-1	24572	24931	24514	24672	0.92	cps
Cadmium	111-1	5310	4700	5072	5028	6.11	cps
Cadmium	106-1	1175	1125	1025	1108	6.89	cps
Cadmium	108-1	358	304	304	322	9.71	cps
Calcium	43-1	16183	15939	16233	16118	0.97	cps
Calcium	44-1	283220	279009	280371	280866	0.77	cps
Chromium	52-2	409211	406067	411530	408936	0.67	cps
Cobalt	59-2	400	510	490	467	12.56	cps
Copper	63-2	22191	22645	21584	22140	2.41	cps
Dysprosium	156-1	425	367	417	403	7.83	cps
Dysprosium	156-2	183	180	167	177	4.99	cps
Erbium	164-1	517	442	350	436	19.14	cps
Erbium	164-2	110	153	133	132	16.40	cps
Gadolinium	160-1	475	542	492	503	6.90	cps
Gadolinium	160-2	150	200	280	210	31.23	cps
Holmium	165-1	3864621	3818688	3828014	3837108	0.63	cps
Holmium	165-2	1194277	1194097	1195161	1194512	0.05	cps
Indium	115-1	3458868	3402428	3410093	3423796	0.89	cps
Indium	115-2	224089	221134	225279	223501	0.96	cps
Iron	56-2	3373	3384	3401	3386	0.41	cps
Iron	57-2	106	100	139	115	18.32	cps
Krypton	83-1	537	590	560	562	4.75	cps
Lead	206-1	1156	1172	1178	1169	0.99	cps
Lead	207-1	889	1028	939	952	7.39	cps
Lead	208-1	4473	4700	4406	4526	3.41	cps
Lithium	6-1	504899	505556	508765	506407	0.41	cps
Magnesium	24-2	6443	7219	6277	6646	7.57	cps

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	K1079-12DLX100	Instrumnet Name :	P8
Client Sample ID :	EPA-MW-39-OB-010720	Dilution Factor :	100
Date & Time Acquired ::	2019-01-21 16:26:54	DataFile Name :	057SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	21978	22171	22024	22058	0.46	cps
Molybdenum	94-1	158	233	225	206	20.00	cps
Molybdenum	95-1	217	208	150	192	18.95	cps
Molybdenum	96-1	233	283	192	236	19.44	cps
Molybdenum	97-1	108	125	225	153	41.30	cps
Molybdenum	98-1	283	258	108	217	43.68	cps
Neodymium	150-1	433	527	533	498	11.23	cps
Neodymium	150-2	70	110	57	79	35.18	cps
Nickel	60-2	4447	4584	4224	4419	4.11	cps
Phosphorus	31-2	0	0	0	0	0.00	cps
Potassium	39-2	5985	5801	5943	5910	1.63	cps
Rhodium	103-1	3418774	3377209	3338170	3378051	1.19	cps
Rhodium	103-2	1231734	1238831	1237654	1236073	0.31	cps
Scandium	45-1	2490781	2534362	2511801	2512315	0.87	cps
Scandium	45-2	29795	29722	29695	29737	0.17	cps
Selenium	77-2	0	7	0	2	173.21	cps
Selenium	78-2	0	4	4	2	86.60	cps
Selenium	82-1	53	-2	62	38	92.72	cps
Silicon	28-1	644983	648001	651117	648034	0.47	cps
Silver	109-1	392	342	350	361	7.42	cps
Silver	107-1	383	483	325	397	20.16	cps
Sodium	23-2	248033	244729	246254	246339	0.67	cps
Strontium	86-1	7094	6944	6569	6869	3.94	cps
Strontium	88-1	49475	50637	49164	49759	1.56	cps
Sulfur	34-1	368668	367229	366902	367600	0.26	cps
Terbium	159-1	4073512	4098175	4053398	4075029	0.55	cps
Terbium	159-2	1188943	1193360	1188157	1190153	0.24	cps
Thallium	203-1	83	58	42	61	34.32	cps
Thallium	205-1	183	92	142	139	33.04	cps
Tin	118-1	742	750	808	767	4.74	cps
Titanium	47-1	58	92	125	92	36.36	cps
Uranium	238-1	58	33	42	44	28.65	cps
Vanadium	51-2	27	20	13	20	33.35	cps
Yttrium	89-1	3842488	3849844	3843437	3845256	0.10	cps
Yttrium	89-2	178320	182859	179583	180254	1.30	cps
Zinc	66-2	1153	1083	1183	1140	4.50	cps

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	K1079-12DLX100	Instrumnet Name :	P8
Client Sample ID :	EPA-MW-39-OB-010720	Dilution Factor :	100
Date & Time Acquired ::	2019-01-21 16:26:54	DataFile Name :	057SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	90-1	375	308	317	333	10.90	cps
Zirconium	91-1	117	58	75	83	36.05	cps

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	K1079-12DUPDLX100	Instrumnet Name :	P8
Client Sample ID :	EPA-MW-39-OB-010720	Dilution Factor :	100
Date & Time Acquired ::	2019-01-21 16:30:28	DataFile Name :	058SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	143	145	145	144	1.00	cps
Antimony	121-1	175	258	158	197	27.17	cps
Arsenic	75-2	11	13	15	13	14.27	cps
Barium	135-1	1859	1934	1408	1734	16.38	cps
Barium	137-1	2884	2692	2942	2839	4.61	cps
Beryllium	9-1	50	60	127	79	52.83	cps
Bismuth	209-1	2399056	2397832	2407678	2401522	0.22	cps
Bismuth	209-2	948380	920858	849566	906268	5.63	cps
Boron	10-1	5218	5268	4976	5154	3.03	cps
Boron	11-1	25665	25799	26233	25899	1.15	cps
Cadmium	111-1	5481	5383	5293	5386	1.75	cps
Cadmium	106-1	1275	1200	1225	1233	3.10	cps
Cadmium	108-1	292	292	296	293	0.82	cps
Calcium	43-1	16837	16547	16763	16716	0.90	cps
Calcium	44-1	295028	294198	292182	293803	0.50	cps
Chromium	52-2	430049	416886	383647	410194	5.83	cps
Cobalt	59-2	487	457	477	473	3.23	cps
Copper	63-2	23049	22705	20492	22082	6.28	cps
Dysprosium	156-1	392	525	517	478	15.63	cps
Dysprosium	156-2	190	230	190	203	11.36	cps
Erbium	164-1	542	458	492	497	8.44	cps
Erbium	164-2	160	133	123	139	13.64	cps
Gadolinium	160-1	475	442	450	456	3.81	cps
Gadolinium	160-2	203	207	180	197	7.39	cps
Holmium	165-1	3871788	3841014	3856418	3856407	0.40	cps
Holmium	165-2	1209041	1162031	1093329	1154801	5.04	cps
Indium	115-1	3470234	3514247	3381660	3455380	1.95	cps
Indium	115-2	229230	219318	203626	217391	5.94	cps
Iron	56-2	3589	3484	3162	3412	6.53	cps
Iron	57-2	139	106	150	131	17.59	cps
Krypton	83-1	563	550	517	543	4.42	cps
Lead	206-1	950	872	706	843	14.82	cps
Lead	207-1	717	828	650	732	12.28	cps
Lead	208-1	3573	3484	3089	3382	7.61	cps
Lithium	6-1	528234	530886	526862	528661	0.39	cps
Magnesium	24-2	7386	7085	6385	6952	7.39	cps

LB Number : LB100421 Operator : Jaswal
 Lab Sample ID : K1079-12DUPDLX100 Instrumnet Name : P8
 Client Sample ID : EPA-MW-39-OB-010720 Dilution Factor : 100
 Date & Time Acquired :: 2019-01-21 16:30:28 DataFile Name : 058SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	23554	22739	20422	22238	7.31	cps
Molybdenum	94-1	183	183	175	181	2.66	cps
Molybdenum	95-1	75	142	125	114	30.46	cps
Molybdenum	96-1	208	100	133	147	37.69	cps
Molybdenum	97-1	108	83	133	108	23.08	cps
Molybdenum	98-1	167	192	175	178	7.16	cps
Neodymium	150-1	427	580	560	522	15.96	cps
Neodymium	150-2	120	80	90	97	21.53	cps
Nickel	60-2	4884	4491	4211	4529	7.47	cps
Phosphorus	31-2	0	0	25	8	173.21	cps
Potassium	39-2	5610	5510	5818	5646	2.79	cps
Rhodium	103-1	3443605	3436686	3387258	3422516	0.90	cps
Rhodium	103-2	1244742	1209564	1115585	1189964	5.61	cps
Scandium	45-1	2571049	2552277	2538410	2553912	0.64	cps
Scandium	45-2	30216	29221	26726	28721	6.26	cps
Selenium	77-2	0	0	0	0	0.00	cps
Selenium	78-2	4	4	0	2	86.60	cps
Selenium	82-1	38	52	97	62	49.25	cps
Silicon	28-1	677099	675952	675249	676100	0.14	cps
Silver	109-1	425	200	267	297	38.88	cps
Silver	107-1	408	300	308	339	17.79	cps
Sodium	23-2	255581	248539	231461	245194	5.06	cps
Strontium	86-1	6660	6927	6894	6827	2.13	cps
Strontium	88-1	51432	51431	51339	51401	0.10	cps
Sulfur	34-1	378326	376668	376546	377180	0.26	cps
Terbium	159-1	4119963	4068489	4089660	4092704	0.63	cps
Terbium	159-2	1211136	1172047	1076588	1153257	6.00	cps
Thallium	203-1	75	33	25	44	60.28	cps
Thallium	205-1	175	75	42	97	71.37	cps
Tin	118-1	450	425	400	425	5.88	cps
Titanium	47-1	92	50	117	86	39.11	cps
Uranium	238-1	67	50	67	61	15.75	cps
Vanadium	51-2	20	27	10	19	44.42	cps
Yttrium	89-1	3893094	3929028	3869913	3897345	0.76	cps
Yttrium	89-2	182028	176234	161843	173369	5.99	cps
Zinc	66-2	1127	1053	947	1042	8.69	cps

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	K1079-12DUPDLX100	Instrumnet Name :	P8
Client Sample ID :	EPA-MW-39-OB-010720	Dilution Factor :	100
Date & Time Acquired ::	2019-01-21 16:30:28	DataFile Name :	058SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	90-1	275	292	242	269	9.45	cps
Zirconium	91-1	92	75	75	81	11.95	cps

LB Number : LB100421 Operator : Jaswal
 Lab Sample ID : CCV54 Instrumnet Name : P8
 Client Sample ID : CCV54 Dilution Factor : 1
 Date & Time Acquired :: 2019-01-21 16:46:49 DataFile Name : 059CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	362790	361560	366610	363653	0.72	cps
Antimony	121-1	2746961	2722024	2711565	2726850	0.67	cps
Arsenic	75-2	56680	56939	56852	56824	0.23	cps
Barium	135-1	2726279	2688360	2683030	2699223	0.87	cps
Barium	137-1	4642516	4614378	4607886	4621593	0.40	cps
Beryllium	9-1	531405	528698	535654	531919	0.66	cps
Bismuth	209-1	2180834	2178594	2185196	2181541	0.15	cps
Bismuth	209-2	901792	902447	885657	896632	1.06	cps
Boron	10-1	74134	75515	75734	75128	1.15	cps
Boron	11-1	345434	358697	361335	355155	2.40	cps
Cadmium	111-1	585549	579249	583715	582838	0.56	cps
Cadmium	106-1	59374	60068	59942	59795	0.62	cps
Cadmium	108-1	41794	41844	41464	41701	0.50	cps
Calcium	43-1	3528532	3530688	3569605	3542942	0.65	cps
Calcium	44-1	56971777	57086391	57211104	57089757	0.21	cps
Chromium	52-2	423193	422993	420424	422203	0.37	cps
Cobalt	59-2	825467	824734	829865	826689	0.34	cps
Copper	63-2	1342684	1343385	1340946	1342338	0.09	cps
Dysprosium	156-1	33	75	33	47	50.96	cps
Dysprosium	156-2	7	40	23	23	71.42	cps
Erbium	164-1	42	58	83	61	34.32	cps
Erbium	164-2	3	10	17	10	66.70	cps
Gadolinium	160-1	83	58	92	78	22.30	cps
Gadolinium	160-2	30	10	20	20	50.00	cps
Holmium	165-1	3796227	3705574	3821526	3774442	1.62	cps
Holmium	165-2	1225957	1217164	1196188	1213103	1.26	cps
Indium	115-1	3272777	3221096	3307425	3267099	1.33	cps
Indium	115-2	222311	223531	221536	222459	0.45	cps
Iron	56-2	69337899	69134429	70288049	69586792	0.88	cps
Iron	57-2	1781701	1800328	1781906	1787978	0.60	cps
Krypton	83-1	543	593	573	570	4.42	cps
Lead	206-1	1273183	1261401	1255305	1263296	0.72	cps
Lead	207-1	1157439	1138907	1132817	1143054	1.12	cps
Lead	208-1	5400899	5300139	5304184	5335074	1.07	cps
Lithium	6-1	587596	584921	595374	589297	0.92	cps
Magnesium	24-2	8143664	8110965	8207082	8153904	0.60	cps

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	CCV54	Instrumnet Name :	P8
Client Sample ID :	CCV54	Dilution Factor :	1
Date & Time Acquired ::	2019-01-21 16:46:49	DataFile Name :	059CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	248246	248223	249882	248784	0.38	cps
Molybdenum	94-1	4871961	4776553	4804917	4817810	1.02	cps
Molybdenum	95-1	6082159	5941479	5961557	5995065	1.27	cps
Molybdenum	96-1	6647291	6504027	6561208	6570842	1.10	cps
Molybdenum	97-1	3658397	3636911	3701328	3665545	0.89	cps
Molybdenum	98-1	9529515	9371135	9458524	9453058	0.84	cps
Neodymium	150-1	127	180	153	153	17.39	cps
Neodymium	150-2	17	3	7	9	78.08	cps
Nickel	60-2	241908	241322	242827	242019	0.31	cps
Phosphorus	31-2	5985	5543	5618	5715	4.14	cps
Potassium	39-2	2418224	2443395	2423359	2428326	0.55	cps
Rhodium	103-1	3210165	3126834	3211046	3182681	1.52	cps
Rhodium	103-2	1173148	1167996	1171349	1170831	0.22	cps
Scandium	45-1	2557130	2501966	2592701	2550599	1.79	cps
Scandium	45-2	31001	31492	30757	31083	1.20	cps
Selenium	77-2	350	387	440	392	11.54	cps
Selenium	78-2	1443	1380	1432	1418	2.37	cps
Selenium	82-1	41282	40882	40899	41021	0.55	cps
Silicon	28-1	1880155	1955121	1964505	1933260	2.39	cps
Silver	109-1	2774182	2760206	2777750	2770713	0.33	cps
Silver	107-1	2896008	2890483	2860060	2882184	0.67	cps
Sodium	23-2	18822172	18886546	18997324	18902014	0.47	cps
Strontium	86-1	730379	730070	734413	731621	0.33	cps
Strontium	88-1	6487549	6388494	6532857	6469633	1.14	cps
Sulfur	34-1	609187	606150	611331	608889	0.43	cps
Terbium	159-1	4031632	3970619	3981017	3994423	0.82	cps
Terbium	159-2	1215035	1196715	1200053	1203935	0.81	cps
Thallium	203-1	1567542	1574286	1567056	1569628	0.26	cps
Thallium	205-1	3984365	3910604	3923271	3939413	1.00	cps
Tin	118-1	1836914	1812936	1828325	1826059	0.67	cps
Titanium	47-1	1844049	1862734	1843422	1850068	0.59	cps
Uranium	238-1	5079126	5018584	5027259	5041657	0.65	cps
Vanadium	51-2	312433	313835	310224	312164	0.58	cps
Yttrium	89-1	3835940	3792204	3898197	3842114	1.39	cps
Yttrium	89-2	186325	183711	184620	184885	0.72	cps
Zinc	66-2	146126	146841	147562	146843	0.49	cps

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	CCV54	Instrumnet Name :	P8
Client Sample ID :	CCV54	Dilution Factor :	1
Date & Time Acquired ::	2019-01-21 16:46:49	DataFile Name :	059CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	90-1	4044103	4035623	4080118	4053281	0.58	cps
Zirconium	91-1	865391	859085	866225	863567	0.45	cps

LB Number : LB100421 Operator : Jaswal
 Lab Sample ID : CCB54 Instrumnet Name : P8
 Client Sample ID : CCB54 Dilution Factor : 1
 Date & Time Acquired :: 2019-01-21 16:52:13 DataFile Name : 060CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	25	40	28	31	26.06	cps
Antimony	121-1	525	650	642	606	11.54	cps
Arsenic	75-2	7	9	13	10	28.61	cps
Barium	135-1	25	17	17	19	24.73	cps
Barium	137-1	67	58	75	67	12.49	cps
Beryllium	9-1	83	43	63	63	31.59	cps
Bismuth	209-1	2275753	2173472	2108631	2185952	3.85	cps
Bismuth	209-2	881369	910384	913937	901897	1.98	cps
Boron	10-1	1275	1242	1175	1231	4.14	cps
Boron	11-1	5885	5793	5810	5829	0.84	cps
Cadmium	111-1	566	488	483	513	9.07	cps
Cadmium	106-1	783	717	683	728	7.00	cps
Cadmium	108-1	4	25	17	15	68.61	cps
Calcium	43-1	260	263	270	264	1.93	cps
Calcium	44-1	27627	27534	27470	27544	0.29	cps
Chromium	52-2	1580	1627	1643	1617	2.03	cps
Cobalt	59-2	80	80	67	76	10.19	cps
Copper	63-2	600	610	553	588	5.15	cps
Dysprosium	156-1	25	0	58	28	105.36	cps
Dysprosium	156-2	0	0	0	0	0.00	cps
Erbium	164-1	17	8	25	17	50.01	cps
Erbium	164-2	10	3	0	4	114.60	cps
Gadolinium	160-1	58	25	8	31	83.33	cps
Gadolinium	160-2	7	0	0	2	173.21	cps
Holmium	165-1	3670782	3554531	3516333	3580549	2.25	cps
Holmium	165-2	1124469	1154421	1189041	1155977	2.80	cps
Indium	115-1	3346599	3236714	3150281	3244531	3.03	cps
Indium	115-2	213059	218858	216482	216133	1.35	cps
Iron	56-2	3317	3095	3184	3199	3.50	cps
Iron	57-2	178	150	78	135	38.19	cps
Krypton	83-1	683	627	523	611	13.28	cps
Lead	206-1	733	628	739	700	8.94	cps
Lead	207-1	717	789	639	715	10.49	cps
Lead	208-1	3089	2806	2806	2900	5.64	cps
Lithium	6-1	611479	592185	581375	595013	2.56	cps
Magnesium	24-2	358	442	467	422	13.44	cps

LB Number : LB100421 Operator : Jaswal
 Lab Sample ID : CCB54 Instrumnet Name : P8
 Client Sample ID : CCB54 Dilution Factor : 1
 Date & Time Acquired :: 2019-01-21 16:52:13 DataFile Name : 060CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	50	90	60	67	31.22	cps
Molybdenum	94-1	292	283	250	275	8.02	cps
Molybdenum	95-1	308	242	275	275	12.12	cps
Molybdenum	96-1	417	408	283	369	20.22	cps
Molybdenum	97-1	292	183	258	244	22.70	cps
Molybdenum	98-1	533	525	333	464	24.39	cps
Neodymium	150-1	20	20	0	13	86.60	cps
Neodymium	150-2	0	0	0	0	0.00	cps
Nickel	60-2	60	63	60	61	3.15	cps
Phosphorus	31-2	0	0	8	3	173.21	cps
Potassium	39-2	5118	5018	4809	4982	3.16	cps
Rhodium	103-1	3275839	3197612	3197113	3223521	1.41	cps
Rhodium	103-2	1139308	1165059	1166341	1156903	1.32	cps
Scandium	45-1	2543488	2433955	2413670	2463704	2.83	cps
Scandium	45-2	29097	29174	29177	29149	0.16	cps
Selenium	77-2	0	0	0	0	0.00	cps
Selenium	78-2	0	6	6	4	86.60	cps
Selenium	82-1	-124	-28	82	-23	-438.61	cps
Silicon	28-1	253233	255878	253261	254124	0.60	cps
Silver	109-1	333	283	208	275	22.88	cps
Silver	107-1	383	508	417	436	14.84	cps
Sodium	23-2	14833	14475	14816	14708	1.38	cps
Strontium	86-1	975	867	825	889	8.71	cps
Strontium	88-1	183	108	158	150	25.46	cps
Sulfur	34-1	380606	377116	377992	378571	0.48	cps
Terbium	159-1	3927262	3763190	3724020	3804824	2.83	cps
Terbium	159-2	1118606	1143576	1122158	1128113	1.20	cps
Thallium	203-1	125	75	75	92	31.50	cps
Thallium	205-1	217	250	242	236	7.35	cps
Tin	118-1	333	317	317	322	2.99	cps
Titanium	47-1	108	83	117	103	16.88	cps
Uranium	238-1	75	67	67	69	6.93	cps
Vanadium	51-2	17	20	20	19	10.18	cps
Yttrium	89-1	3823672	3690334	3624843	3712950	2.73	cps
Yttrium	89-2	169592	174083	175214	172963	1.72	cps
Zinc	66-2	103	107	103	104	1.84	cps

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	CCB54	Instrumnet Name :	P8
Client Sample ID :	CCB54	Dilution Factor :	1
Date & Time Acquired ::	2019-01-21 16:52:13	DataFile Name :	060CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	90-1	283	275	283	281	1.71	cps
Zirconium	91-1	75	67	33	58	37.80	cps

LB Number : LB100421 Operator : Jaswal
 Lab Sample ID : K1079-12LDLX500 Instrumnet Name : P8
 Client Sample ID : EPA-MW-39-OB-010720 Dilution Factor : 500
 Date & Time Acquired :: 2019-01-21 16:55:47 DataFile Name : 061SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	50	75	68	64	20.00	cps
Antimony	121-1	242	333	292	289	15.89	cps
Arsenic	75-2	11	7	9	9	19.98	cps
Barium	135-1	225	350	300	292	21.57	cps
Barium	137-1	525	558	533	539	3.22	cps
Beryllium	9-1	40	60	50	50	20.00	cps
Bismuth	209-1	2132320	2223021	2128461	2161267	2.48	cps
Bismuth	209-2	939093	949595	946213	944967	0.57	cps
Boron	10-1	1900	1775	1925	1867	4.31	cps
Boron	11-1	8428	8528	8945	8633	3.18	cps
Cadmium	111-1	1444	1508	1337	1430	6.04	cps
Cadmium	106-1	800	1008	783	864	14.51	cps
Cadmium	108-1	71	63	46	60	21.32	cps
Calcium	43-1	3190	3487	3447	3375	4.77	cps
Calcium	44-1	75186	78933	75753	76624	2.64	cps
Chromium	52-2	83276	83450	83145	83290	0.18	cps
Cobalt	59-2	167	120	140	142	16.46	cps
Copper	63-2	4911	4801	4531	4748	4.12	cps
Dysprosium	156-1	100	83	92	92	9.09	cps
Dysprosium	156-2	20	47	50	39	42.28	cps
Erbium	164-1	100	50	67	72	35.26	cps
Erbium	164-2	17	33	37	29	37.08	cps
Gadolinium	160-1	108	92	117	106	12.06	cps
Gadolinium	160-2	50	47	43	47	7.15	cps
Holmium	165-1	3404734	3563991	3465291	3478005	2.31	cps
Holmium	165-2	1197941	1208112	1201936	1202663	0.43	cps
Indium	115-1	3150625	3297236	3191796	3213219	2.35	cps
Indium	115-2	228145	230599	229301	229348	0.54	cps
Iron	56-2	3273	3328	3039	3213	4.77	cps
Iron	57-2	117	100	78	98	19.88	cps
Krypton	83-1	590	520	593	568	7.29	cps
Lead	206-1	444	533	528	502	9.92	cps
Lead	207-1	528	478	433	480	9.85	cps
Lead	208-1	2067	2189	2117	2124	2.89	cps
Lithium	6-1	577272	605401	583017	588563	2.53	cps
Magnesium	24-2	1825	1483	1725	1678	10.47	cps

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	K1079-12LDLX500	Instrumnet Name :	P8
Client Sample ID :	EPA-MW-39-OB-010720	Dilution Factor :	500
Date & Time Acquired ::	2019-01-21 16:55:47	DataFile Name :	061SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	4277	4694	4361	4444	4.96	cps
Molybdenum	94-1	183	183	142	169	14.20	cps
Molybdenum	95-1	100	75	75	83	17.32	cps
Molybdenum	96-1	167	158	67	131	42.50	cps
Molybdenum	97-1	117	100	100	106	9.11	cps
Molybdenum	98-1	133	117	158	136	15.41	cps
Neodymium	150-1	93	87	113	98	14.19	cps
Neodymium	150-2	37	23	13	24	47.91	cps
Nickel	60-2	900	903	1030	944	7.85	cps
Phosphorus	31-2	0	0	0	0	0.00	cps
Potassium	39-2	5385	5435	5034	5285	4.13	cps
Rhodium	103-1	3079602	3249979	3117803	3149128	2.84	cps
Rhodium	103-2	1228025	1226309	1228005	1227446	0.08	cps
Scandium	45-1	2373099	2507424	2403834	2428119	2.90	cps
Scandium	45-2	29601	30727	30563	30297	2.01	cps
Selenium	77-2	0	0	3	1	173.21	cps
Selenium	78-2	9	6	0	5	94.35	cps
Selenium	82-1	-44	74	-8	7	851.11	cps
Silicon	28-1	336303	339575	335509	337129	0.64	cps
Silver	109-1	283	175	225	228	23.80	cps
Silver	107-1	275	242	192	236	17.76	cps
Sodium	23-2	61325	61710	60856	61297	0.70	cps
Strontium	86-1	1975	1784	1959	1906	5.57	cps
Strontium	88-1	9454	9996	9462	9637	3.22	cps
Sulfur	34-1	388059	387043	386593	387232	0.19	cps
Terbium	159-1	3668481	3870589	3704974	3748015	2.87	cps
Terbium	159-2	1196643	1202594	1198401	1199213	0.25	cps
Thallium	203-1	50	83	67	67	25.00	cps
Thallium	205-1	142	108	150	133	16.54	cps
Tin	118-1	267	142	342	250	40.42	cps
Titanium	47-1	42	50	125	72	63.55	cps
Uranium	238-1	8	25	25	19	49.50	cps
Vanadium	51-2	17	10	10	12	31.50	cps
Yttrium	89-1	3582866	3751875	3546619	3627120	3.02	cps
Yttrium	89-2	182718	183360	183468	183182	0.22	cps
Zinc	66-2	300	287	327	304	6.69	cps

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	K1079-12LDLX500	Instrumnet Name :	P8
Client Sample ID :	EPA-MW-39-OB-010720	Dilution Factor :	500
Date & Time Acquired ::	2019-01-21 16:55:47	DataFile Name :	061SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	90-1	233	208	225	222	5.73	cps
Zirconium	91-1	50	100	42	64	49.39	cps

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	K1079-13DLX100	Instrumnet Name :	P8
Client Sample ID :	EPA-MW-39-OB-010720	Dilution Factor :	100
Date & Time Acquired ::	2019-01-21 16:59:21	DataFile Name :	062SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	1010	910	1000	974	5.66	cps
Antimony	121-1	29676	29550	29517	29581	0.28	cps
Arsenic	75-2	720	806	683	736	8.51	cps
Barium	135-1	31364	31722	31931	31672	0.91	cps
Barium	137-1	53870	55208	55777	54952	1.78	cps
Beryllium	9-1	6208	6151	6031	6130	1.47	cps
Bismuth	209-1	2156511	2233646	2137699	2175952	2.34	cps
Bismuth	209-2	939750	933724	932462	935312	0.42	cps
Boron	10-1	5701	6210	5860	5924	4.39	cps
Boron	11-1	27995	29064	27102	28053	3.50	cps
Cadmium	111-1	11954	11758	11966	11893	0.98	cps
Cadmium	106-1	1850	1942	1817	1870	3.46	cps
Cadmium	108-1	679	967	700	782	20.50	cps
Calcium	43-1	24902	25059	24421	24794	1.34	cps
Calcium	44-1	417426	426659	416713	420266	1.32	cps
Chromium	52-2	435670	436341	434321	435444	0.24	cps
Cobalt	59-2	10471	10894	10914	10760	2.33	cps
Copper	63-2	39657	40636	40509	40267	1.32	cps
Dysprosium	156-1	408	492	533	478	13.32	cps
Dysprosium	156-2	183	203	143	177	17.29	cps
Erbium	164-1	350	350	492	397	20.59	cps
Erbium	164-2	120	170	160	150	17.64	cps
Gadolinium	160-1	508	517	592	539	8.52	cps
Gadolinium	160-2	190	217	237	214	10.92	cps
Holmium	165-1	3605405	3599829	3564358	3589864	0.62	cps
Holmium	165-2	1208664	1195197	1204860	1202907	0.58	cps
Indium	115-1	3212413	3273815	3251977	3246068	0.96	cps
Indium	115-2	229017	228575	229831	229141	0.28	cps
Iron	56-2	176456	178831	178505	177931	0.72	cps
Iron	57-2	4706	4406	4612	4575	3.35	cps
Krypton	83-1	577	610	593	593	2.81	cps
Lead	206-1	15977	15593	15682	15751	1.28	cps
Lead	207-1	13686	13891	13374	13650	1.91	cps
Lead	208-1	62461	62718	60997	62059	1.50	cps
Lithium	6-1	587091	602009	586756	591952	1.47	cps
Magnesium	24-2	27285	27478	28029	27597	1.40	cps

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	K1079-13DLX100	Instrumnet Name :	P8
Client Sample ID :	EPA-MW-39-OB-010720	Dilution Factor :	100
Date & Time Acquired ::	2019-01-21 16:59:21	DataFile Name :	062SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	26425	26672	26502	26533	0.48	cps
Molybdenum	94-1	54469	55080	54594	54714	0.59	cps
Molybdenum	95-1	66413	67737	65693	66614	1.56	cps
Molybdenum	96-1	74916	75318	72058	74097	2.40	cps
Molybdenum	97-1	40763	41707	41431	41300	1.18	cps
Molybdenum	98-1	106274	108473	105039	106595	1.63	cps
Neodymium	150-1	440	400	353	398	10.90	cps
Neodymium	150-2	80	107	107	98	15.75	cps
Nickel	60-2	7422	7702	7576	7567	1.85	cps
Phosphorus	31-2	0	0	0	0	0.00	cps
Potassium	39-2	12198	12139	12031	12122	0.70	cps
Rhodium	103-1	3227992	3283012	3206080	3239028	1.22	cps
Rhodium	103-2	1232281	1229640	1231341	1231087	0.11	cps
Scandium	45-1	2432917	2533030	2453557	2473168	2.14	cps
Scandium	45-2	30139	30179	30951	30423	1.50	cps
Selenium	77-2	0	10	3	4	114.60	cps
Selenium	78-2	17	24	13	18	31.60	cps
Selenium	82-1	453	463	478	465	2.74	cps
Silicon	28-1	715350	721930	702647	713309	1.37	cps
Silver	109-1	31763	32022	30595	31460	2.42	cps
Silver	107-1	33476	34445	33510	33810	1.63	cps
Sodium	23-2	304515	303608	303276	303800	0.21	cps
Strontium	86-1	15284	15001	15009	15098	1.07	cps
Strontium	88-1	121160	123196	119992	121449	1.34	cps
Sulfur	34-1	410164	409606	400164	406644	1.38	cps
Terbium	159-1	3793625	3821670	3764985	3793427	0.75	cps
Terbium	159-2	1195747	1198091	1193452	1195764	0.19	cps
Thallium	203-1	18548	19458	17963	18656	4.04	cps
Thallium	205-1	42865	43158	44153	43392	1.56	cps
Tin	118-1	19741	19674	19941	19785	0.70	cps
Titanium	47-1	20641	20824	20165	20544	1.66	cps
Uranium	238-1	53826	55776	53834	54479	2.06	cps
Vanadium	51-2	3677	3621	3807	3702	2.59	cps
Yttrium	89-1	3648923	3727592	3701258	3692591	1.08	cps
Yttrium	89-2	183460	183713	183569	183581	0.07	cps
Zinc	66-2	3010	2984	2870	2955	2.52	cps

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	K1079-13DLX100	Instrumnet Name :	P8
Client Sample ID :	EPA-MW-39-OB-010720	Dilution Factor :	100
Date & Time Acquired ::	2019-01-21 16:59:21	DataFile Name :	062SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	90-1	46096	46882	44540	45839	2.60	cps
Zirconium	91-1	10029	10296	9812	10046	2.41	cps

LB Number : LB100421 Operator : Jaswal
 Lab Sample ID : K1079-14DLX100 Instrumnet Name : P8
 Client Sample ID : EPA-MW-39-OB-010720 Dilution Factor : 100
 Date & Time Acquired :: 2019-01-21 17:02:55 DataFile Name : 063SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	938	858	910	902	4.51	cps
Antimony	121-1	29325	29851	28816	29330	1.77	cps
Arsenic	75-2	711	628	704	681	6.77	cps
Barium	135-1	30795	30970	30895	30887	0.28	cps
Barium	137-1	52054	53409	52196	52553	1.42	cps
Beryllium	9-1	6025	6248	5705	5992	4.56	cps
Bismuth	209-1	2204429	2229735	2162727	2198964	1.54	cps
Bismuth	209-2	928835	929942	922351	927043	0.44	cps
Boron	10-1	5568	5585	5585	5579	0.17	cps
Boron	11-1	26751	27202	27578	27177	1.52	cps
Cadmium	111-1	11624	11801	11224	11550	2.56	cps
Cadmium	106-1	1767	1700	1742	1736	1.94	cps
Cadmium	108-1	888	825	850	854	3.68	cps
Calcium	43-1	23857	24562	23840	24086	1.71	cps
Calcium	44-1	409866	420921	406918	412569	1.79	cps
Chromium	52-2	425264	423435	427680	425460	0.50	cps
Cobalt	59-2	10384	10387	10304	10358	0.46	cps
Copper	63-2	39225	38834	39760	39273	1.18	cps
Dysprosium	156-1	400	383	408	397	3.21	cps
Dysprosium	156-2	180	177	180	179	1.07	cps
Erbium	164-1	433	500	317	417	22.27	cps
Erbium	164-2	153	97	100	117	27.26	cps
Gadolinium	160-1	525	483	592	533	10.25	cps
Gadolinium	160-2	237	200	193	210	11.11	cps
Holmium	165-1	3510512	3662290	3558871	3577225	2.17	cps
Holmium	165-2	1188859	1191136	1183896	1187963	0.31	cps
Indium	115-1	3260612	3333212	3219591	3271139	1.76	cps
Indium	115-2	226911	226876	227668	227152	0.20	cps
Iron	56-2	173359	171070	172582	172337	0.68	cps
Iron	57-2	4167	4495	4417	4360	3.93	cps
Krypton	83-1	580	617	613	603	3.36	cps
Lead	206-1	15449	15810	15148	15469	2.14	cps
Lead	207-1	12912	13407	13168	13163	1.88	cps
Lead	208-1	60452	61515	59594	60521	1.59	cps
Lithium	6-1	581518	594052	573355	582975	1.79	cps
Magnesium	24-2	26434	25682	26901	26339	2.33	cps

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	K1079-14DLX100	Instrumnet Name :	P8
Client Sample ID :	EPA-MW-39-OB-010720	Dilution Factor :	100
Date & Time Acquired ::	2019-01-21 17:02:55	DataFile Name :	063SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	25687	25494	25714	25632	0.47	cps
Molybdenum	94-1	53046	53297	50871	52405	2.55	cps
Molybdenum	95-1	63516	64746	63943	64068	0.97	cps
Molybdenum	96-1	69856	72159	69613	70542	1.99	cps
Molybdenum	97-1	40645	40261	39626	40177	1.28	cps
Molybdenum	98-1	101219	105089	99786	102031	2.69	cps
Neodymium	150-1	413	540	467	473	13.44	cps
Neodymium	150-2	113	127	90	110	16.87	cps
Nickel	60-2	7662	7546	7449	7552	1.42	cps
Phosphorus	31-2	8	0	8	6	86.60	cps
Potassium	39-2	10955	11097	11021	11024	0.64	cps
Rhodium	103-1	3227090	3260484	3165183	3217586	1.50	cps
Rhodium	103-2	1219686	1222825	1217972	1220161	0.20	cps
Scandium	45-1	2468073	2526403	2421914	2472130	2.12	cps
Scandium	45-2	30279	29992	29511	29928	1.30	cps
Selenium	77-2	7	3	17	9	78.08	cps
Selenium	78-2	22	33	17	24	35.24	cps
Selenium	82-1	439	449	477	455	4.36	cps
Silicon	28-1	701517	708083	731661	713754	2.22	cps
Silver	109-1	30544	31204	29483	30410	2.85	cps
Silver	107-1	32440	31930	33158	32510	1.90	cps
Sodium	23-2	299255	299507	299210	299324	0.05	cps
Strontium	86-1	15017	14959	14517	14831	1.85	cps
Strontium	88-1	119705	123522	118296	120508	2.24	cps
Sulfur	34-1	389207	390782	389508	389832	0.21	cps
Terbium	159-1	3766131	3835010	3796203	3799114	0.91	cps
Terbium	159-2	1182483	1190720	1185709	1186304	0.35	cps
Thallium	203-1	17788	18656	17930	18125	2.57	cps
Thallium	205-1	42673	42480	41485	42213	1.51	cps
Tin	118-1	20683	20734	19473	20297	3.52	cps
Titanium	47-1	19423	20407	19523	19784	2.74	cps
Uranium	238-1	53207	52998	51951	52719	1.28	cps
Vanadium	51-2	3807	3621	3604	3677	3.07	cps
Yttrium	89-1	3678026	3787566	3657230	3707607	1.89	cps
Yttrium	89-2	182856	183359	183632	183283	0.21	cps
Zinc	66-2	2724	2714	2987	2808	5.52	cps

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	K1079-14DLX100	Instrumnet Name :	P8
Client Sample ID :	EPA-MW-39-OB-010720	Dilution Factor :	100
Date & Time Acquired ::	2019-01-21 17:02:55	DataFile Name :	063SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	90-1	45093	46665	44223	45327	2.73	cps
Zirconium	91-1	10004	9979	10271	10085	1.60	cps

LB Number : LB100421 Operator : Jaswal
 Lab Sample ID : K1079-12ADLX100 Instrumnet Name : P8
 Client Sample ID : EPA-MW-39-OB-010720 Dilution Factor : 100
 Date & Time Acquired :: 2019-01-21 17:06:29 DataFile Name : 064SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	925	1023	1055	1001	6.76	cps
Antimony	121-1	29358	29158	29016	29177	0.59	cps
Arsenic	75-2	683	700	644	676	4.22	cps
Barium	135-1	29601	31204	29225	30010	3.50	cps
Barium	137-1	50832	54170	51953	52318	3.25	cps
Beryllium	9-1	6198	6098	6015	6104	1.50	cps
Bismuth	209-1	2153306	2218157	2148142	2173202	1.80	cps
Bismuth	209-2	921893	926527	931552	926657	0.52	cps
Boron	10-1	5301	5293	5385	5326	0.95	cps
Boron	11-1	25858	27636	27035	26843	3.37	cps
Cadmium	111-1	11703	11496	11352	11517	1.53	cps
Cadmium	106-1	1934	1800	1592	1775	9.70	cps
Cadmium	108-1	775	675	750	733	7.10	cps
Calcium	43-1	24201	24398	23072	23890	2.99	cps
Calcium	44-1	402949	414547	401027	406174	1.80	cps
Chromium	52-2	423090	420768	426220	423359	0.65	cps
Cobalt	59-2	10337	10497	10598	10477	1.25	cps
Copper	63-2	40111	38931	39413	39485	1.50	cps
Dysprosium	156-1	442	433	475	450	4.90	cps
Dysprosium	156-2	153	180	180	171	9.00	cps
Erbium	164-1	367	425	458	417	11.14	cps
Erbium	164-2	123	110	117	117	5.72	cps
Gadolinium	160-1	508	458	458	475	6.08	cps
Gadolinium	160-2	187	223	247	219	13.82	cps
Holmium	165-1	3449186	3586640	3548109	3527979	2.01	cps
Holmium	165-2	1189798	1201402	1204611	1198604	0.65	cps
Indium	115-1	3213551	3277300	3167795	3219549	1.71	cps
Indium	115-2	229679	226361	228449	228163	0.74	cps
Iron	56-2	173026	173184	175552	173921	0.81	cps
Iron	57-2	4468	4695	4573	4579	2.49	cps
Krypton	83-1	607	537	527	557	7.83	cps
Lead	206-1	14314	14893	14581	14596	1.98	cps
Lead	207-1	12885	13135	12946	12989	1.00	cps
Lead	208-1	58761	60253	59490	59501	1.25	cps
Lithium	6-1	570856	588106	565241	574734	2.07	cps
Magnesium	24-2	26768	27210	27411	27130	1.21	cps

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	K1079-12ADLX100	Instrumnet Name :	P8
Client Sample ID :	EPA-MW-39-OB-010720	Dilution Factor :	100
Date & Time Acquired ::	2019-01-21 17:06:29	DataFile Name :	064SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	24952	25587	25410	25317	1.29	cps
Molybdenum	94-1	51532	53824	52210	52522	2.24	cps
Molybdenum	95-1	64730	65032	63759	64507	1.03	cps
Molybdenum	96-1	70601	73425	69102	71042	3.09	cps
Molybdenum	97-1	39676	40637	38389	39567	2.85	cps
Molybdenum	98-1	102334	104627	100765	102575	1.89	cps
Neodymium	150-1	440	380	407	409	7.35	cps
Neodymium	150-2	137	100	103	113	17.89	cps
Nickel	60-2	7459	7612	7535	7535	1.02	cps
Phosphorus	31-2	0	8	8	6	86.60	cps
Potassium	39-2	11488	11397	11247	11377	1.07	cps
Rhodium	103-1	3197092	3284922	3145584	3209199	2.20	cps
Rhodium	103-2	1226489	1229188	1227405	1227694	0.11	cps
Scandium	45-1	2422407	2493670	2429483	2448520	1.60	cps
Scandium	45-2	30704	30049	30263	30338	1.10	cps
Selenium	77-2	7	7	13	9	43.25	cps
Selenium	78-2	22	22	15	20	21.66	cps
Selenium	82-1	542	539	525	535	1.63	cps
Silicon	28-1	690987	706178	685750	694305	1.53	cps
Silver	109-1	30268	31513	30344	30708	2.27	cps
Silver	107-1	32365	32674	32114	32384	0.87	cps
Sodium	23-2	294811	296641	297646	296366	0.48	cps
Strontium	86-1	14291	14375	14508	14392	0.76	cps
Strontium	88-1	116269	120479	115890	117546	2.17	cps
Sulfur	34-1	387716	386497	382918	385710	0.65	cps
Terbium	159-1	3694334	3808815	3706770	3736640	1.68	cps
Terbium	159-2	1189754	1186716	1187288	1187919	0.14	cps
Thallium	203-1	17054	17563	17237	17285	1.49	cps
Thallium	205-1	40675	42781	41243	41566	2.62	cps
Tin	118-1	20709	20475	19356	20180	3.58	cps
Titanium	47-1	20599	20416	20249	20421	0.86	cps
Uranium	238-1	52696	53801	51633	52710	2.06	cps
Vanadium	51-2	3737	3637	3644	3673	1.52	cps
Yttrium	89-1	3617446	3739981	3579501	3645642	2.30	cps
Yttrium	89-2	183869	182714	182754	183112	0.36	cps
Zinc	66-2	2854	2907	3154	2971	5.39	cps

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	K1079-12ADLX100	Instrumnet Name :	P8
Client Sample ID :	EPA-MW-39-OB-010720	Dilution Factor :	100
Date & Time Acquired ::	2019-01-21 17:06:29	DataFile Name :	064SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	90-1	44231	45402	43120	44251	2.58	cps
Zirconium	91-1	10263	9921	9896	10026	2.05	cps

LB Number : LB100421 Operator : Jaswal
 Lab Sample ID : K1104-06DLX100 Instrumnet Name : P8
 Client Sample ID : EPA-EX-2-OB-01092019 Dilution Factor : 100
 Date & Time Acquired :: 2019-01-21 17:10:03 DataFile Name : 065SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	110	95	65	90	25.46	cps
Antimony	121-1	108	83	108	100	14.43	cps
Arsenic	75-2	2	6	2	3	69.39	cps
Barium	135-1	250	142	250	214	29.24	cps
Barium	137-1	392	333	275	333	17.50	cps
Beryllium	9-1	57	27	67	50	41.63	cps
Bismuth	209-1	2067637	2166287	2098762	2110895	2.39	cps
Bismuth	209-2	862908	886157	935873	894979	4.16	cps
Boron	10-1	1425	1767	1625	1606	10.69	cps
Boron	11-1	8369	8044	8119	8178	2.08	cps
Cadmium	111-1	555	606	546	569	5.74	cps
Cadmium	106-1	692	792	725	736	6.92	cps
Cadmium	108-1	13	21	17	17	24.99	cps
Calcium	43-1	6025	6415	5424	5955	8.38	cps
Calcium	44-1	116753	122293	117697	118914	2.49	cps
Chromium	52-2	270620	275511	294058	280063	4.41	cps
Cobalt	59-2	207	230	177	204	13.08	cps
Copper	63-2	11385	11498	11678	11520	1.29	cps
Dysprosium	156-1	42	42	58	47	20.38	cps
Dysprosium	156-2	13	23	13	17	34.65	cps
Erbium	164-1	17	75	42	44	65.85	cps
Erbium	164-2	10	0	10	7	86.60	cps
Gadolinium	160-1	25	75	50	50	50.00	cps
Gadolinium	160-2	30	13	17	20	44.10	cps
Holmium	165-1	3425858	3555777	3341438	3441024	3.14	cps
Holmium	165-2	1108029	1139157	1210251	1152479	4.55	cps
Indium	115-1	3128709	3238639	3130069	3165806	1.99	cps
Indium	115-2	210089	216889	234291	220423	5.66	cps
Iron	56-2	3128	2789	3134	3017	6.54	cps
Iron	57-2	117	117	100	111	8.66	cps
Krypton	83-1	470	517	517	501	5.38	cps
Lead	206-1	300	294	361	319	11.61	cps
Lead	207-1	356	328	294	326	9.39	cps
Lead	208-1	1356	1145	1456	1319	12.05	cps
Lithium	6-1	558231	580436	558443	565703	2.26	cps
Magnesium	24-2	2525	2609	2867	2667	6.68	cps

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	K1104-06DLX100	Instrumnet Name :	P8
Client Sample ID :	EPA-EX-2-OB-01092019	Dilution Factor :	100
Date & Time Acquired ::	2019-01-21 17:10:03	DataFile Name :	065SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	1420	1413	1433	1422	0.72	cps
Molybdenum	94-1	142	208	117	156	30.47	cps
Molybdenum	95-1	125	133	83	114	23.52	cps
Molybdenum	96-1	133	92	108	111	18.88	cps
Molybdenum	97-1	158	142	83	128	30.82	cps
Molybdenum	98-1	208	175	83	156	41.61	cps
Neodymium	150-1	20	33	27	27	24.99	cps
Neodymium	150-2	3	3	0	2	86.60	cps
Nickel	60-2	393	380	467	413	11.29	cps
Phosphorus	31-2	0	17	8	8	100.02	cps
Potassium	39-2	5360	4993	5410	5254	4.33	cps
Rhodium	103-1	3126749	3213932	3089025	3143235	2.04	cps
Rhodium	103-2	1138732	1166964	1241905	1182533	4.51	cps
Scandium	45-1	2402208	2460495	2397087	2419930	1.46	cps
Scandium	45-2	28416	29181	30193	29263	3.05	cps
Selenium	77-2	0	3	0	1	173.21	cps
Selenium	78-2	0	0	2	1	173.21	cps
Selenium	82-1	135	107	101	114	16.04	cps
Silicon	28-1	865739	904187	860721	876882	2.71	cps
Silver	109-1	117	83	117	106	18.23	cps
Silver	107-1	100	125	233	153	46.39	cps
Sodium	23-2	110907	113626	120414	114983	4.26	cps
Strontium	86-1	1542	1634	1500	1559	4.38	cps
Strontium	88-1	5718	6077	5618	5804	4.15	cps
Sulfur	34-1	355028	355813	351073	353971	0.72	cps
Terbium	159-1	3658325	3745500	3646748	3683524	1.47	cps
Terbium	159-2	1106663	1129016	1215984	1150554	5.02	cps
Thallium	203-1	50	25	33	36	35.25	cps
Thallium	205-1	100	117	75	97	21.57	cps
Tin	118-1	225	233	208	222	5.73	cps
Titanium	47-1	125	117	133	125	6.66	cps
Uranium	238-1	17	50	25	31	56.77	cps
Vanadium	51-2	17	10	10	12	31.50	cps
Yttrium	89-1	3556097	3724146	3549216	3609820	2.74	cps
Yttrium	89-2	170950	174111	187124	177395	4.83	cps
Zinc	66-2	230	220	257	236	8.04	cps

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	K1104-06DLX100	Instrumnet Name :	P8
Client Sample ID :	EPA-EX-2-OB-01092019	Dilution Factor :	100
Date & Time Acquired ::	2019-01-21 17:10:03	DataFile Name :	065SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	90-1	283	258	242	261	8.03	cps
Zirconium	91-1	25	58	50	44	39.04	cps

LB Number : LB100421 Operator : Jaswal
 Lab Sample ID : K1104-08DLX5 Instrumnet Name : P8
 Client Sample ID : EPA-MW-37-BR-0109201 Dilution Factor : 5
 Date & Time Acquired :: 2019-01-21 17:13:37 DataFile Name : 066SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	58	60	48	55	12.03	cps
Antimony	121-1	83	83	67	78	12.37	cps
Arsenic	75-2	4	9	6	6	45.85	cps
Barium	135-1	21794	21618	21376	21596	0.97	cps
Barium	137-1	37955	38299	36777	37677	2.12	cps
Beryllium	9-1	33	57	33	41	32.78	cps
Bismuth	209-1	2220390	2228448	2242984	2230607	0.51	cps
Bismuth	209-2	925689	942260	945546	937832	1.13	cps
Boron	10-1	1367	1233	1275	1292	5.28	cps
Boron	11-1	6418	6402	6368	6396	0.40	cps
Cadmium	111-1	564	538	495	532	6.48	cps
Cadmium	106-1	792	767	700	753	6.29	cps
Cadmium	108-1	4	17	4	8	86.57	cps
Calcium	43-1	151208	150552	149675	150478	0.51	cps
Calcium	44-1	2540545	2533914	2502301	2525587	0.81	cps
Chromium	52-2	178911	179350	179019	179093	0.13	cps
Cobalt	59-2	100	70	90	87	17.63	cps
Copper	63-2	837	863	833	844	1.95	cps
Dysprosium	156-1	33	0	8	14	124.91	cps
Dysprosium	156-2	7	0	0	2	173.21	cps
Erbium	164-1	17	50	50	39	49.48	cps
Erbium	164-2	3	7	0	3	100.05	cps
Gadolinium	160-1	25	17	8	17	50.01	cps
Gadolinium	160-2	10	13	13	12	15.73	cps
Holmium	165-1	3701634	3705586	3741513	3716244	0.59	cps
Holmium	165-2	1212072	1228625	1222014	1220903	0.68	cps
Indium	115-1	3389397	3381966	3329610	3366991	0.97	cps
Indium	115-2	233307	235335	235790	234811	0.56	cps
Iron	56-2	3723	3467	3606	3599	3.56	cps
Iron	57-2	78	139	128	115	28.35	cps
Krypton	83-1	607	577	523	569	7.42	cps
Lead	206-1	328	400	344	357	10.58	cps
Lead	207-1	256	300	306	287	9.55	cps
Lead	208-1	1328	1356	1328	1337	1.20	cps
Lithium	6-1	605612	601239	606882	604578	0.49	cps
Magnesium	24-2	72938	74328	73909	73725	0.97	cps

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	K1104-08DLX5	Instrumnet Name :	P8
Client Sample ID :	EPA-MW-37-BR-0109201	Dilution Factor :	5
Date & Time Acquired ::	2019-01-21 17:13:37	DataFile Name :	066SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	113	113	100	109	7.07	cps
Molybdenum	94-1	233	217	208	219	5.80	cps
Molybdenum	95-1	217	217	192	208	6.93	cps
Molybdenum	96-1	167	125	208	167	25.00	cps
Molybdenum	97-1	117	150	158	142	15.56	cps
Molybdenum	98-1	292	300	350	314	10.05	cps
Neodymium	150-1	7	13	7	9	43.25	cps
Neodymium	150-2	0	3	0	1	173.21	cps
Nickel	60-2	190	263	227	227	16.18	cps
Phosphorus	31-2	25	0	17	14	91.65	cps
Potassium	39-2	8345	7994	8953	8431	5.76	cps
Rhodium	103-1	3333734	3356358	3333756	3341283	0.39	cps
Rhodium	103-2	1241882	1256274	1244487	1247548	0.61	cps
Scandium	45-1	2644224	2620348	2593471	2619348	0.97	cps
Scandium	45-2	31348	31672	31559	31527	0.52	cps
Selenium	77-2	0	0	3	1	173.21	cps
Selenium	78-2	7	2	2	4	86.68	cps
Selenium	82-1	33	34	119	62	79.20	cps
Silicon	28-1	2615146	2589531	2599961	2601546	0.50	cps
Silver	109-1	67	75	108	83	26.46	cps
Silver	107-1	183	167	142	164	12.80	cps
Sodium	23-2	607611	601126	608239	605659	0.65	cps
Strontium	86-1	22778	23939	23563	23427	2.53	cps
Strontium	88-1	192838	190090	192215	191714	0.75	cps
Sulfur	34-1	381695	381930	380985	381537	0.13	cps
Terbium	159-1	3987340	3966003	3929377	3960907	0.74	cps
Terbium	159-2	1214231	1221350	1208068	1214550	0.55	cps
Thallium	203-1	50	33	33	39	24.75	cps
Thallium	205-1	83	58	58	67	21.65	cps
Tin	118-1	275	183	300	253	24.30	cps
Titanium	47-1	133	158	67	119	39.67	cps
Uranium	238-1	350	417	233	333	27.84	cps
Vanadium	51-2	87	97	103	96	8.78	cps
Yttrium	89-1	3891659	3890881	3864800	3882447	0.39	cps
Yttrium	89-2	189235	190052	187951	189079	0.56	cps
Zinc	66-2	227	217	273	239	12.66	cps

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	K1104-08DLX5	Instrumnet Name :	P8
Client Sample ID :	EPA-MW-37-BR-0109201	Dilution Factor :	5
Date & Time Acquired ::	2019-01-21 17:13:37	DataFile Name :	066SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	90-1	283	250	350	294	17.29	cps
Zirconium	91-1	75	117	67	86	31.11	cps

LB Number : LB100421 Operator : Jaswal
 Lab Sample ID : K1104-08DUPDLX5 Instrumnet Name : P8
 Client Sample ID : EPA-MW-37-BR-0109201 Dilution Factor : 5
 Date & Time Acquired :: 2019-01-21 17:17:09 DataFile Name : 067SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	48	40	35	41	15.40	cps
Antimony	121-1	58	83	108	83	30.00	cps
Arsenic	75-2	13	13	2	9	69.29	cps
Barium	135-1	22270	22044	22821	22378	1.78	cps
Barium	137-1	38181	38783	37947	38304	1.13	cps
Beryllium	9-1	30	43	57	43	30.77	cps
Bismuth	209-1	2218517	2255451	2234038	2236002	0.83	cps
Bismuth	209-2	924202	937967	939686	933952	0.91	cps
Boron	10-1	1200	1125	1267	1197	5.92	cps
Boron	11-1	6135	5660	6302	6032	5.52	cps
Cadmium	111-1	618	538	424	527	18.53	cps
Cadmium	106-1	875	767	592	745	19.20	cps
Cadmium	108-1	4	4	4	4	0.00	cps
Calcium	43-1	151303	152809	151093	151735	0.62	cps
Calcium	44-1	2579808	2570906	2550061	2566925	0.59	cps
Chromium	52-2	181449	180878	179441	180589	0.57	cps
Cobalt	59-2	120	103	87	103	16.13	cps
Copper	63-2	823	743	830	799	6.04	cps
Dysprosium	156-1	0	42	8	17	132.30	cps
Dysprosium	156-2	3	0	3	2	86.60	cps
Erbium	164-1	33	8	25	22	57.29	cps
Erbium	164-2	10	13	7	10	33.30	cps
Gadolinium	160-1	50	17	33	33	50.00	cps
Gadolinium	160-2	20	7	0	9	114.55	cps
Holmium	165-1	3664884	3683548	3637181	3661871	0.64	cps
Holmium	165-2	1217843	1209013	1214547	1213801	0.37	cps
Indium	115-1	3374784	3354161	3357260	3362068	0.33	cps
Indium	115-2	236394	231521	232103	233339	1.14	cps
Iron	56-2	3595	3684	3439	3573	3.46	cps
Iron	57-2	133	67	94	98	34.12	cps
Krypton	83-1	603	577	570	583	3.02	cps
Lead	206-1	261	328	322	304	12.18	cps
Lead	207-1	356	328	244	309	18.70	cps
Lead	208-1	1339	1356	1250	1315	4.32	cps
Lithium	6-1	602529	613009	603858	606466	0.94	cps
Magnesium	24-2	74546	72268	73322	73379	1.55	cps

LB Number : LB100421 Operator : Jaswal
 Lab Sample ID : K1104-08DUPDLX5 Instrumnet Name : P8
 Client Sample ID : EPA-MW-37-BR-0109201 Dilution Factor : 5
 Date & Time Acquired :: 2019-01-21 17:17:09 DataFile Name : 067SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	97	93	113	101	10.60	cps
Molybdenum	94-1	258	250	133	214	32.68	cps
Molybdenum	95-1	225	158	117	167	32.79	cps
Molybdenum	96-1	133	333	192	219	46.87	cps
Molybdenum	97-1	133	150	133	139	6.93	cps
Molybdenum	98-1	317	225	258	267	17.40	cps
Neodymium	150-1	0	13	7	7	99.98	cps
Neodymium	150-2	0	0	0	0	0.00	cps
Nickel	60-2	210	223	220	218	3.19	cps
Phosphorus	31-2	0	0	17	6	173.21	cps
Potassium	39-2	7644	8753	8745	8381	7.61	cps
Rhodium	103-1	3365377	3396066	3307535	3356326	1.34	cps
Rhodium	103-2	1247976	1239358	1243050	1243461	0.35	cps
Scandium	45-1	2633064	2634717	2595028	2620936	0.86	cps
Scandium	45-2	31405	30784	31599	31263	1.36	cps
Selenium	77-2	3	3	3	3	0.00	cps
Selenium	78-2	0	2	0	1	173.21	cps
Selenium	82-1	55	32	16	34	56.03	cps
Silicon	28-1	2611991	2623262	2624909	2620054	0.27	cps
Silver	109-1	50	100	108	86	36.64	cps
Silver	107-1	117	58	133	103	38.31	cps
Sodium	23-2	605690	606948	609967	607535	0.36	cps
Strontium	86-1	22937	23304	23095	23112	0.80	cps
Strontium	88-1	195607	195763	194071	195147	0.48	cps
Sulfur	34-1	382371	382163	382422	382319	0.04	cps
Terbium	159-1	3925070	3931393	3944446	3933637	0.25	cps
Terbium	159-2	1213163	1215839	1206141	1211714	0.41	cps
Thallium	203-1	58	33	75	56	37.75	cps
Thallium	205-1	42	58	75	58	28.57	cps
Tin	118-1	208	167	317	231	33.58	cps
Titanium	47-1	150	100	83	111	31.22	cps
Uranium	238-1	183	242	242	222	15.16	cps
Vanadium	51-2	60	63	103	76	31.92	cps
Yttrium	89-1	3860707	3852522	3856261	3856497	0.11	cps
Yttrium	89-2	187751	184619	188272	186881	1.06	cps
Zinc	66-2	257	160	250	222	24.30	cps

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	K1104-08DUPDLX5	Instrumnet Name :	P8
Client Sample ID :	EPA-MW-37-BR-0109201	Dilution Factor :	5
Date & Time Acquired ::	2019-01-21 17:17:09	DataFile Name :	067SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	90-1	275	192	233	233	17.86	cps
Zirconium	91-1	67	50	92	69	30.20	cps

LB Number : LB100421 Operator : Jaswal
 Lab Sample ID : K1104-08LDLX25 Instrumnet Name : P8
 Client Sample ID : EPA-MW-37-BR-0109201 Dilution Factor : 25
 Date & Time Acquired :: 2019-01-21 17:20:42 DataFile Name : 068SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	38	40	28	35	18.89	cps
Antimony	121-1	83	108	100	97	13.09	cps
Arsenic	75-2	7	6	6	6	17.29	cps
Barium	135-1	4368	4301	4526	4398	2.63	cps
Barium	137-1	7427	7486	7352	7422	0.90	cps
Beryllium	9-1	27	33	47	36	28.64	cps
Bismuth	209-1	2327194	2261272	2284132	2290866	1.46	cps
Bismuth	209-2	950419	948299	953487	950735	0.27	cps
Boron	10-1	667	667	733	689	5.59	cps
Boron	11-1	3451	3609	3276	3445	4.84	cps
Cadmium	111-1	532	593	580	569	5.72	cps
Cadmium	106-1	750	850	833	811	6.61	cps
Cadmium	108-1	8	8	4	7	34.59	cps
Calcium	43-1	30196	30253	30440	30296	0.42	cps
Calcium	44-1	511987	509737	509518	510414	0.27	cps
Chromium	52-2	35920	36531	36384	36278	0.88	cps
Cobalt	59-2	60	70	50	60	16.67	cps
Copper	63-2	580	473	467	507	12.55	cps
Dysprosium	156-1	25	33	25	28	17.31	cps
Dysprosium	156-2	0	3	0	1	173.21	cps
Erbium	164-1	17	33	25	25	33.34	cps
Erbium	164-2	0	7	10	6	91.64	cps
Gadolinium	160-1	42	17	17	25	57.73	cps
Gadolinium	160-2	0	7	3	3	100.05	cps
Holmium	165-1	3744874	3745720	3729927	3740174	0.24	cps
Holmium	165-2	1220161	1226826	1238866	1228618	0.77	cps
Indium	115-1	3439928	3428418	3479159	3449168	0.77	cps
Indium	115-2	236506	238118	235899	236841	0.48	cps
Iron	56-2	3078	3212	3423	3238	5.37	cps
Iron	57-2	106	117	106	109	5.87	cps
Krypton	83-1	580	493	537	537	8.07	cps
Lead	206-1	311	300	256	289	10.17	cps
Lead	207-1	233	294	272	267	11.60	cps
Lead	208-1	1195	1167	1011	1124	8.79	cps
Lithium	6-1	618041	616078	621230	618450	0.42	cps
Magnesium	24-2	15050	14466	15008	14842	2.19	cps

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	K1104-08LDLX25	Instrumnet Name :	P8
Client Sample ID :	EPA-MW-37-BR-0109201	Dilution Factor :	25
Date & Time Acquired ::	2019-01-21 17:20:42	DataFile Name :	068SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	93	87	73	84	12.07	cps
Molybdenum	94-1	150	67	183	133	45.07	cps
Molybdenum	95-1	58	75	42	58	28.57	cps
Molybdenum	96-1	100	83	92	92	9.09	cps
Molybdenum	97-1	58	50	83	64	27.15	cps
Molybdenum	98-1	25	133	42	67	87.50	cps
Neodymium	150-1	20	0	7	9	114.55	cps
Neodymium	150-2	0	0	0	0	0.00	cps
Nickel	60-2	103	103	117	108	7.14	cps
Phosphorus	31-2	25	17	0	14	91.65	cps
Potassium	39-2	5393	5401	5326	5373	0.77	cps
Rhodium	103-1	3422477	3373018	3408141	3401212	0.75	cps
Rhodium	103-2	1262800	1265892	1269270	1265988	0.26	cps
Scandium	45-1	2638947	2673376	2650876	2654399	0.66	cps
Scandium	45-2	32110	32404	30968	31827	2.38	cps
Selenium	77-2	3	3	0	2	86.60	cps
Selenium	78-2	2	4	4	3	34.64	cps
Selenium	82-1	-15	73	50	36	125.78	cps
Silicon	28-1	786053	786932	793918	788968	0.55	cps
Silver	109-1	75	125	75	92	31.50	cps
Silver	107-1	75	117	83	92	24.05	cps
Sodium	23-2	126517	128013	128097	127543	0.70	cps
Strontium	86-1	5668	5051	5393	5371	5.75	cps
Strontium	88-1	38748	37954	38104	38269	1.10	cps
Sulfur	34-1	373560	374000	374293	373951	0.10	cps
Terbium	159-1	3983440	3955550	4088416	4009135	1.75	cps
Terbium	159-2	1224474	1219417	1231327	1225073	0.49	cps
Thallium	203-1	42	25	42	36	26.65	cps
Thallium	205-1	92	92	117	100	14.43	cps
Tin	118-1	258	225	158	214	23.81	cps
Titanium	47-1	133	67	83	94	36.73	cps
Uranium	238-1	67	75	17	53	59.77	cps
Vanadium	51-2	27	40	23	30	29.40	cps
Yttrium	89-1	3913790	3925835	3943357	3927661	0.38	cps
Yttrium	89-2	189272	188836	189646	189251	0.21	cps
Zinc	66-2	130	137	143	137	4.88	cps

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	K1104-08LDLX25	Instrumnet Name :	P8
Client Sample ID :	EPA-MW-37-BR-0109201	Dilution Factor :	25
Date & Time Acquired ::	2019-01-21 17:20:42	DataFile Name :	068SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	90-1	308	158	233	233	32.14	cps
Zirconium	91-1	50	58	92	67	33.07	cps

LB Number : LB100421 Operator : Jaswal
 Lab Sample ID : K1104-08MSDLX5 Instrumnet Name : P8
 Client Sample ID : EPA-MW-37-BR-0109201 Dilution Factor : 5
 Date & Time Acquired :: 2019-01-21 17:24:16 DataFile Name : 069SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	12676	12819	12829	12775	0.67	cps
Antimony	121-1	471728	480803	467149	473227	1.47	cps
Arsenic	75-2	10254	10061	10107	10141	0.99	cps
Barium	135-1	510835	513873	510448	511719	0.37	cps
Barium	137-1	887252	885570	877777	883533	0.57	cps
Beryllium	9-1	90891	89157	88078	89375	1.59	cps
Bismuth	209-1	2062923	2058219	2051597	2057580	0.28	cps
Bismuth	209-2	815474	832048	829082	825535	1.07	cps
Boron	10-1	13507	14650	13065	13740	5.95	cps
Boron	11-1	65383	65459	65743	65528	0.29	cps
Cadmium	111-1	107072	107587	106860	107173	0.35	cps
Cadmium	106-1	11447	11889	11289	11542	2.70	cps
Cadmium	108-1	7469	7519	7373	7454	0.99	cps
Calcium	43-1	386069	384779	380781	383876	0.72	cps
Calcium	44-1	6363992	6288997	6226247	6293079	1.10	cps
Chromium	52-2	380694	382128	376375	379733	0.79	cps
Cobalt	59-2	158253	155960	156969	157061	0.73	cps
Copper	63-2	272588	273218	270444	272083	0.53	cps
Dysprosium	156-1	42	8	50	33	66.15	cps
Dysprosium	156-2	3	0	0	1	173.21	cps
Erbium	164-1	58	42	25	42	40.00	cps
Erbium	164-2	17	17	7	13	43.29	cps
Gadolinium	160-1	8	25	8	14	69.31	cps
Gadolinium	160-2	10	3	0	4	114.60	cps
Holmium	165-1	3539528	3497679	3510390	3515866	0.61	cps
Holmium	165-2	1105463	1119066	1106693	1110408	0.68	cps
Indium	115-1	3163408	3232273	3208190	3201290	1.09	cps
Indium	115-2	210105	212569	212238	211637	0.63	cps
Iron	56-2	2778332	2753786	2746270	2759463	0.61	cps
Iron	57-2	68535	67888	67101	67841	1.06	cps
Krypton	83-1	567	627	533	576	8.22	cps
Lead	206-1	231813	231819	231346	231659	0.12	cps
Lead	207-1	203649	202702	201971	202774	0.41	cps
Lead	208-1	928310	922923	920371	923868	0.44	cps
Lithium	6-1	532442	518741	504131	518438	2.73	cps
Magnesium	24-2	419652	418076	417709	418479	0.25	cps

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	K1104-08MSDLX5	Instrumnet Name :	P8
Client Sample ID :	EPA-MW-37-BR-0109201	Dilution Factor :	5
Date & Time Acquired ::	2019-01-21 17:24:16	DataFile Name :	069SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	47721	47477	47771	47657	0.33	cps
Molybdenum	94-1	872619	870257	862118	868332	0.63	cps
Molybdenum	95-1	1059373	1062329	1053902	1058535	0.40	cps
Molybdenum	96-1	1168504	1174257	1159232	1167331	0.65	cps
Molybdenum	97-1	653706	656781	647810	652766	0.70	cps
Molybdenum	98-1	1744172	1742904	1735894	1740990	0.26	cps
Neodymium	150-1	13	13	33	20	57.74	cps
Neodymium	150-2	0	3	0	1	173.21	cps
Nickel	60-2	46026	46969	47344	46780	1.45	cps
Phosphorus	31-2	0	8	17	8	100.02	cps
Potassium	39-2	99215	101287	99995	100166	1.05	cps
Rhodium	103-1	3120159	3124595	3137498	3127417	0.29	cps
Rhodium	103-2	1156004	1158213	1154323	1156180	0.17	cps
Scandium	45-1	2478869	2447736	2444777	2457127	0.77	cps
Scandium	45-2	29204	29625	28980	29270	1.12	cps
Selenium	77-2	67	97	83	82	18.28	cps
Selenium	78-2	231	239	246	239	3.10	cps
Selenium	82-1	7599	7426	7762	7596	2.21	cps
Silicon	28-1	4349214	4211601	4138392	4233069	2.53	cps
Silver	109-1	490970	491092	489821	490627	0.14	cps
Silver	107-1	523357	517886	520498	520580	0.53	cps
Sodium	23-2	1832368	1804988	1813478	1816945	0.77	cps
Strontium	86-1	173105	171810	169770	171562	0.98	cps
Strontium	88-1	1555460	1523313	1512740	1530504	1.45	cps
Sulfur	34-1	370724	364617	359261	364867	1.57	cps
Terbium	159-1	3767453	3729560	3765349	3754121	0.57	cps
Terbium	159-2	1097775	1110534	1113615	1107308	0.76	cps
Thallium	203-1	288916	284808	283047	285590	1.05	cps
Thallium	205-1	687982	689495	678474	685317	0.87	cps
Tin	118-1	314094	312888	310615	312533	0.57	cps
Titanium	47-1	325026	326330	321570	324309	0.76	cps
Uranium	238-1	873057	866483	867567	869036	0.41	cps
Vanadium	51-2	57300	57742	57601	57548	0.39	cps
Yttrium	89-1	3684210	3612636	3615233	3637360	1.12	cps
Yttrium	89-2	170598	171934	170424	170985	0.48	cps
Zinc	66-2	28192	27922	27751	27955	0.80	cps

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	K1104-08MSDLX5	Instrumnet Name :	P8
Client Sample ID :	EPA-MW-37-BR-0109201	Dilution Factor :	5
Date & Time Acquired ::	2019-01-21 17:24:16	DataFile Name :	069SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	90-1	736388	719349	722476	726071	1.25	cps
Zirconium	91-1	162453	158472	161221	160715	1.27	cps

LB Number : LB100421 Operator : Jaswal
 Lab Sample ID : K1104-08MSDDLX5 Instrumnet Name : P8
 Client Sample ID : EPA-MW-37-BR-0109201 Dilution Factor : 5
 Date & Time Acquired :: 2019-01-21 17:27:47 DataFile Name : 070SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	12716	12444	12394	12518	1.39	cps
Antimony	121-1	479265	480056	476433	478585	0.40	cps
Arsenic	75-2	10054	10434	10285	10258	1.87	cps
Barium	135-1	516979	517690	518925	517864	0.19	cps
Barium	137-1	895665	882672	899375	892571	0.98	cps
Beryllium	9-1	87383	86189	84855	86143	1.47	cps
Bismuth	209-1	2114330	2121470	2118311	2118037	0.17	cps
Bismuth	209-2	832208	832974	826344	830509	0.44	cps
Boron	10-1	13432	13882	14057	13790	2.34	cps
Boron	11-1	62998	64203	63969	63723	1.00	cps
Cadmium	111-1	110447	108066	108354	108956	1.19	cps
Cadmium	106-1	11631	12056	11747	11811	1.86	cps
Cadmium	108-1	7361	7552	7498	7470	1.32	cps
Calcium	43-1	380401	375585	373613	376533	0.93	cps
Calcium	44-1	6236730	6175180	6111204	6174372	1.02	cps
Chromium	52-2	379048	371471	368060	372860	1.51	cps
Cobalt	59-2	157795	156437	154439	156224	1.08	cps
Copper	63-2	273972	271241	268759	271324	0.96	cps
Dysprosium	156-1	8	0	25	11	114.58	cps
Dysprosium	156-2	0	0	0	0	0.00	cps
Erbium	164-1	42	33	25	33	25.01	cps
Erbium	164-2	0	10	13	8	89.21	cps
Gadolinium	160-1	17	33	25	25	33.32	cps
Gadolinium	160-2	7	7	0	4	86.60	cps
Holmium	165-1	3594966	3551515	3610325	3585602	0.85	cps
Holmium	165-2	1113036	1109584	1101643	1108088	0.53	cps
Indium	115-1	3226289	3196112	3140526	3187642	1.36	cps
Indium	115-2	211548	209303	207585	209479	0.95	cps
Iron	56-2	2777893	2750698	2721284	2749958	1.03	cps
Iron	57-2	67591	66944	66123	66886	1.10	cps
Krypton	83-1	510	543	520	524	3.26	cps
Lead	206-1	234594	239307	242298	238733	1.63	cps
Lead	207-1	205660	209891	211134	208895	1.37	cps
Lead	208-1	939280	957754	965700	954245	1.42	cps
Lithium	6-1	495055	485955	484578	488529	1.17	cps
Magnesium	24-2	421345	422804	410668	418272	1.58	cps

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	K1104-08MSDDLX5	Instrumnet Name :	P8
Client Sample ID :	EPA-MW-37-BR-0109201	Dilution Factor :	5
Date & Time Acquired ::	2019-01-21 17:27:47	DataFile Name :	070SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	48022	47233	46507	47254	1.60	cps
Molybdenum	94-1	872571	875044	868089	871901	0.40	cps
Molybdenum	95-1	1055622	1054201	1059979	1056601	0.28	cps
Molybdenum	96-1	1183544	1171266	1173269	1176026	0.56	cps
Molybdenum	97-1	658801	651130	657334	655755	0.62	cps
Molybdenum	98-1	1773111	1777078	1770184	1773458	0.20	cps
Neodymium	150-1	27	33	47	36	28.64	cps
Neodymium	150-2	3	3	3	3	0.00	cps
Nickel	60-2	47033	46227	46788	46683	0.89	cps
Phosphorus	31-2	25	0	17	14	91.65	cps
Potassium	39-2	98595	97250	97613	97819	0.71	cps
Rhodium	103-1	3069681	3131651	3081926	3094419	1.06	cps
Rhodium	103-2	1161711	1160082	1145082	1155625	0.79	cps
Scandium	45-1	2376810	2405123	2378730	2386888	0.66	cps
Scandium	45-2	29137	28796	28252	28728	1.55	cps
Selenium	77-2	80	73	60	71	14.32	cps
Selenium	78-2	267	276	291	278	4.37	cps
Selenium	82-1	7480	7617	7595	7564	0.97	cps
Silicon	28-1	4134933	4080085	4050811	4088610	1.04	cps
Silver	109-1	493768	487459	492063	491097	0.66	cps
Silver	107-1	523267	519283	522774	521774	0.42	cps
Sodium	23-2	1797981	1787642	1759677	1781767	1.11	cps
Strontium	86-1	171555	169463	169558	170192	0.69	cps
Strontium	88-1	1546984	1541093	1528261	1538779	0.62	cps
Sulfur	34-1	352004	349997	342368	348123	1.46	cps
Terbium	159-1	3796148	3821923	3834459	3817510	0.51	cps
Terbium	159-2	1111253	1109683	1103470	1108135	0.37	cps
Thallium	203-1	295273	295495	296162	295643	0.16	cps
Thallium	205-1	708526	694706	712185	705139	1.31	cps
Tin	118-1	317331	318854	313238	316474	0.92	cps
Titanium	47-1	316772	315278	317155	316402	0.31	cps
Uranium	238-1	906002	896686	902813	901834	0.52	cps
Vanadium	51-2	57926	57033	56514	57157	1.25	cps
Yttrium	89-1	3641031	3644972	3584462	3623489	0.93	cps
Yttrium	89-2	171342	168335	170223	169967	0.89	cps
Zinc	66-2	27905	27521	28810	28079	2.36	cps

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	K1104-08MSDDLX5	Instrumnet Name :	P8
Client Sample ID :	EPA-MW-37-BR-0109201	Dilution Factor :	5
Date & Time Acquired ::	2019-01-21 17:27:47	DataFile Name :	070SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	90-1	730674	728722	723326	727574	0.52	cps
Zirconium	91-1	159535	161371	161921	160942	0.78	cps

LB Number : LB100421 Operator : Jaswal
 Lab Sample ID : CCV55 Instrumnet Name : P8
 Client Sample ID : CCV55 Dilution Factor : 1
 Date & Time Acquired :: 2019-01-21 17:32:09 DataFile Name : 071CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	364271	361202	371016	365496	1.37	cps
Antimony	121-1	2596852	2670050	2616494	2627799	1.44	cps
Arsenic	75-2	56758	56415	56459	56544	0.33	cps
Barium	135-1	2619886	2640373	2605036	2621765	0.68	cps
Barium	137-1	4423118	4461119	4445441	4443226	0.43	cps
Beryllium	9-1	485693	487182	490660	487845	0.52	cps
Bismuth	209-1	2108456	2095938	2094969	2099788	0.36	cps
Bismuth	209-2	860600	851683	855760	856014	0.52	cps
Boron	10-1	69100	70565	70130	69932	1.08	cps
Boron	11-1	326454	330476	335207	330712	1.32	cps
Cadmium	111-1	558290	555267	553820	555792	0.41	cps
Cadmium	106-1	58352	56344	58285	57660	1.98	cps
Cadmium	108-1	39934	39629	39391	39652	0.69	cps
Calcium	43-1	3417068	3478844	3477245	3457719	1.02	cps
Calcium	44-1	55779276	56536854	56220263	56178798	0.68	cps
Chromium	52-2	425186	424054	425102	424781	0.15	cps
Cobalt	59-2	830213	820334	830361	826969	0.69	cps
Copper	63-2	1338101	1334382	1337658	1336714	0.15	cps
Dysprosium	156-1	58	83	92	78	22.30	cps
Dysprosium	156-2	17	7	7	10	57.72	cps
Erbium	164-1	33	25	67	42	52.92	cps
Erbium	164-2	20	7	13	13	49.99	cps
Gadolinium	160-1	42	33	58	44	28.65	cps
Gadolinium	160-2	13	20	23	19	26.96	cps
Holmium	165-1	3619663	3605038	3630793	3618498	0.36	cps
Holmium	165-2	1185635	1163864	1178049	1175849	0.94	cps
Indium	115-1	3196091	3182039	3159300	3179143	0.58	cps
Indium	115-2	218849	215694	217642	217395	0.73	cps
Iron	56-2	69487575	69308185	69403832	69399864	0.13	cps
Iron	57-2	1772442	1771556	1786135	1776711	0.46	cps
Krypton	83-1	643	553	523	573	10.89	cps
Lead	206-1	1210472	1200490	1187660	1199541	0.95	cps
Lead	207-1	1093635	1092248	1077907	1087930	0.80	cps
Lead	208-1	5119295	5077051	5052327	5082891	0.67	cps
Lithium	6-1	522902	532734	532274	529303	1.05	cps
Magnesium	24-2	8205645	8118509	8204601	8176251	0.61	cps

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	CCV55	Instrumnet Name :	P8
Client Sample ID :	CCV55	Dilution Factor :	1
Date & Time Acquired ::	2019-01-21 17:32:09	DataFile Name :	071CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	248532	246612	248573	247906	0.45	cps
Molybdenum	94-1	4630849	4683581	4631448	4648626	0.65	cps
Molybdenum	95-1	5753341	5791361	5852520	5799074	0.86	cps
Molybdenum	96-1	6381142	6374791	6385740	6380558	0.09	cps
Molybdenum	97-1	3550878	3523807	3545222	3539969	0.40	cps
Molybdenum	98-1	9131456	9131025	9145209	9135897	0.09	cps
Neodymium	150-1	153	167	167	162	4.74	cps
Neodymium	150-2	10	17	17	14	26.66	cps
Nickel	60-2	241731	238527	239532	239930	0.68	cps
Phosphorus	31-2	5318	5593	5776	5562	4.15	cps
Potassium	39-2	2457548	2433161	2484070	2458260	1.04	cps
Rhodium	103-1	3091063	3082054	3096772	3089963	0.24	cps
Rhodium	103-2	1150127	1143042	1153297	1148822	0.46	cps
Scandium	45-1	2476178	2488895	2521689	2495587	0.94	cps
Scandium	45-2	30260	31065	31091	30805	1.53	cps
Selenium	77-2	390	470	433	431	9.29	cps
Selenium	78-2	1483	1315	1400	1399	6.02	cps
Selenium	82-1	39313	39366	40135	39605	1.16	cps
Silicon	28-1	1796054	1832596	1869779	1832810	2.01	cps
Silver	109-1	2659518	2646954	2640804	2649092	0.36	cps
Silver	107-1	2763436	2718369	2768220	2750008	1.00	cps
Sodium	23-2	19127546	19026194	19068603	19074114	0.27	cps
Strontium	86-1	711144	706326	713239	710237	0.50	cps
Strontium	88-1	6200383	6289860	6301718	6263987	0.88	cps
Sulfur	34-1	573421	570920	575756	573366	0.42	cps
Terbium	159-1	3842797	3817859	3828367	3829674	0.33	cps
Terbium	159-2	1176156	1156569	1161860	1164862	0.87	cps
Thallium	203-1	1502333	1488594	1475114	1488680	0.91	cps
Thallium	205-1	3747370	3719335	3738613	3735106	0.38	cps
Tin	118-1	1712702	1768275	1752142	1744373	1.64	cps
Titanium	47-1	1782787	1783488	1802068	1789447	0.61	cps
Uranium	238-1	4825282	4851740	4752698	4809907	1.07	cps
Vanadium	51-2	314059	311274	313958	313097	0.50	cps
Yttrium	89-1	3717093	3720922	3788334	3742116	1.07	cps
Yttrium	89-2	181284	182301	182860	182148	0.44	cps
Zinc	66-2	146686	144746	146443	145958	0.72	cps

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	CCV55	Instrumnet Name :	P8
Client Sample ID :	CCV55	Dilution Factor :	1
Date & Time Acquired ::	2019-01-21 17:32:09	DataFile Name :	071CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	90-1	3899081	3851500	3924846	3891809	0.96	cps
Zirconium	91-1	831946	832251	840488	834895	0.58	cps

LB Number : LB100421 Operator : Jaswal
 Lab Sample ID : CCB55 Instrumnet Name : P8
 Client Sample ID : CCB55 Dilution Factor : 1
 Date & Time Acquired :: 2019-01-21 17:37:16 DataFile Name : 072CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	53	43	48	48	10.52	cps
Antimony	121-1	858	667	692	739	14.10	cps
Arsenic	75-2	15	11	11	12	17.31	cps
Barium	135-1	25	100	33	53	77.90	cps
Barium	137-1	133	83	58	92	41.66	cps
Beryllium	9-1	67	93	77	79	17.08	cps
Bismuth	209-1	2272066	2289058	2236270	2265798	1.19	cps
Bismuth	209-2	940515	927720	925095	931110	0.89	cps
Boron	10-1	975	792	700	822	17.03	cps
Boron	11-1	3951	3659	3742	3784	3.97	cps
Cadmium	111-1	509	448	470	476	6.53	cps
Cadmium	106-1	700	617	683	667	6.61	cps
Cadmium	108-1	8	13	13	11	21.67	cps
Calcium	43-1	240	353	267	287	20.67	cps
Calcium	44-1	27985	29389	26943	28105	4.37	cps
Chromium	52-2	1653	1613	1633	1633	1.22	cps
Cobalt	59-2	97	90	73	87	13.87	cps
Copper	63-2	587	487	533	536	9.34	cps
Dysprosium	156-1	0	25	17	14	91.65	cps
Dysprosium	156-2	0	3	0	1	173.21	cps
Erbium	164-1	25	0	33	19	89.22	cps
Erbium	164-2	0	3	7	3	100.05	cps
Gadolinium	160-1	17	8	33	19	65.47	cps
Gadolinium	160-2	0	0	0	0	0.00	cps
Holmium	165-1	3781324	3676603	3673999	3710642	1.65	cps
Holmium	165-2	1213015	1199204	1197243	1203154	0.71	cps
Indium	115-1	3426265	3365999	3404718	3398994	0.90	cps
Indium	115-2	234785	233861	232803	233816	0.42	cps
Iron	56-2	3667	3534	3656	3619	2.05	cps
Iron	57-2	100	78	139	106	29.30	cps
Krypton	83-1	487	573	567	542	8.90	cps
Lead	206-1	789	933	667	796	16.76	cps
Lead	207-1	706	695	678	693	2.02	cps
Lead	208-1	3084	3528	3050	3221	8.29	cps
Lithium	6-1	602596	597541	596339	598825	0.55	cps
Magnesium	24-2	433	342	500	425	18.70	cps

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	CCB55	Instrumnet Name :	P8
Client Sample ID :	CCB55	Dilution Factor :	1
Date & Time Acquired ::	2019-01-21 17:37:16	DataFile Name :	072CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	83	77	57	72	19.22	cps
Molybdenum	94-1	275	325	175	258	29.57	cps
Molybdenum	95-1	350	417	233	333	27.84	cps
Molybdenum	96-1	492	425	408	442	9.98	cps
Molybdenum	97-1	208	325	208	247	27.25	cps
Molybdenum	98-1	583	567	400	517	19.62	cps
Neodymium	150-1	7	13	27	16	65.47	cps
Neodymium	150-2	0	0	0	0	0.00	cps
Nickel	60-2	97	87	90	91	5.59	cps
Phosphorus	31-2	0	8	0	3	173.21	cps
Potassium	39-2	4993	5360	5193	5182	3.54	cps
Rhodium	103-1	3444241	3386155	3350628	3393674	1.39	cps
Rhodium	103-2	1258621	1250292	1239080	1249331	0.78	cps
Scandium	45-1	2649890	2605115	2597364	2617456	1.08	cps
Scandium	45-2	31295	31288	30463	31016	1.54	cps
Selenium	77-2	3	0	3	2	86.60	cps
Selenium	78-2	6	2	7	5	57.32	cps
Selenium	82-1	121	8	-1	43	159.54	cps
Silicon	28-1	244250	244879	243148	244092	0.36	cps
Silver	109-1	408	367	283	353	18.04	cps
Silver	107-1	425	342	400	389	11.00	cps
Sodium	23-2	13157	13407	13057	13207	1.37	cps
Strontium	86-1	800	908	958	889	9.11	cps
Strontium	88-1	142	208	150	167	21.79	cps
Sulfur	34-1	367847	367322	369375	368181	0.29	cps
Terbium	159-1	3975630	3899284	3925963	3933626	0.98	cps
Terbium	159-2	1215013	1198784	1199190	1204329	0.77	cps
Thallium	203-1	192	108	133	144	29.61	cps
Thallium	205-1	242	258	308	269	12.88	cps
Tin	118-1	183	308	333	275	29.22	cps
Titanium	47-1	83	100	75	86	14.79	cps
Uranium	238-1	67	342	50	153	107.23	cps
Vanadium	51-2	20	7	20	16	49.47	cps
Yttrium	89-1	3883808	3840982	3868892	3864561	0.56	cps
Yttrium	89-2	189126	186863	187661	187883	0.61	cps
Zinc	66-2	110	87	123	107	17.40	cps

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	CCB55	Instrumnet Name :	P8
Client Sample ID :	CCB55	Dilution Factor :	1
Date & Time Acquired ::	2019-01-21 17:37:16	DataFile Name :	072CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	90-1	425	308	292	342	21.26	cps
Zirconium	91-1	50	42	67	53	24.12	cps

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	K1104-08ADLX5	Instrumnet Name :	P8
Client Sample ID :	EPA-MW-37-BR-0109201	Dilution Factor :	5
Date & Time Acquired ::	2019-01-21 17:40:50	DataFile Name :	073SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	13107	13415	12599	13040	3.16	cps
Antimony	121-1	476266	479290	479072	478209	0.35	cps
Arsenic	75-2	10358	10730	10463	10517	1.83	cps
Barium	135-1	515112	508340	510292	511248	0.68	cps
Barium	137-1	882046	883676	884580	883434	0.15	cps
Beryllium	9-1	91236	88044	87490	88923	2.27	cps
Bismuth	209-1	2076369	2083172	2040904	2066815	1.10	cps
Bismuth	209-2	821079	809464	819011	816518	0.76	cps
Boron	10-1	13315	14166	13957	13813	3.21	cps
Boron	11-1	65475	65794	65408	65559	0.31	cps
Cadmium	111-1	107046	107956	108394	107799	0.64	cps
Cadmium	106-1	11889	11831	11756	11825	0.57	cps
Cadmium	108-1	7565	7898	7857	7773	2.34	cps
Calcium	43-1	388717	383369	381315	384467	0.99	cps
Calcium	44-1	6340703	6331697	6255269	6309223	0.74	cps
Chromium	52-2	383361	377287	379989	380212	0.80	cps
Cobalt	59-2	157573	158327	159150	158350	0.50	cps
Copper	63-2	275151	275987	273669	274935	0.43	cps
Dysprosium	156-1	25	0	25	17	86.60	cps
Dysprosium	156-2	7	7	3	6	34.70	cps
Erbium	164-1	42	50	33	42	20.00	cps
Erbium	164-2	7	10	3	7	50.03	cps
Gadolinium	160-1	0	42	25	22	94.38	cps
Gadolinium	160-2	3	10	0	4	114.60	cps
Holmium	165-1	3510768	3505081	3514686	3510178	0.14	cps
Holmium	165-2	1112574	1096026	1097117	1101905	0.84	cps
Indium	115-1	3202900	3206545	3155322	3188256	0.90	cps
Indium	115-2	211203	209449	211748	210800	0.57	cps
Iron	56-2	2777393	2779712	2770387	2775831	0.17	cps
Iron	57-2	68390	66693	66799	67294	1.41	cps
Krypton	83-1	503	583	557	548	7.44	cps
Lead	206-1	237194	233749	233240	234727	0.92	cps
Lead	207-1	204653	204861	204356	204623	0.12	cps
Lead	208-1	937395	934436	925138	932323	0.69	cps
Lithium	6-1	511769	496532	491118	499806	2.14	cps
Magnesium	24-2	427997	419291	421254	422847	1.08	cps

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	K1104-08ADLX5	Instrumnet Name :	P8
Client Sample ID :	EPA-MW-37-BR-0109201	Dilution Factor :	5
Date & Time Acquired ::	2019-01-21 17:40:50	DataFile Name :	073SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	48337	47815	46986	47712	1.43	cps
Molybdenum	94-1	882420	872080	869745	874748	0.77	cps
Molybdenum	95-1	1071195	1061345	1062826	1065122	0.50	cps
Molybdenum	96-1	1188671	1176232	1159259	1174720	1.26	cps
Molybdenum	97-1	661044	664644	657180	660956	0.56	cps
Molybdenum	98-1	1776611	1799711	1779017	1785113	0.71	cps
Neodymium	150-1	33	27	13	24	41.66	cps
Neodymium	150-2	3	0	0	1	173.21	cps
Nickel	60-2	46695	47156	46792	46881	0.52	cps
Phosphorus	31-2	8	0	0	3	173.21	cps
Potassium	39-2	99164	99820	100784	99923	0.82	cps
Rhodium	103-1	3156004	3160313	3121761	3146026	0.67	cps
Rhodium	103-2	1160297	1156916	1162737	1159983	0.25	cps
Scandium	45-1	2424898	2448886	2401793	2425192	0.97	cps
Scandium	45-2	29037	29010	29247	29098	0.45	cps
Selenium	77-2	97	37	93	76	44.63	cps
Selenium	78-2	252	294	261	269	8.32	cps
Selenium	82-1	7720	7786	7559	7688	1.52	cps
Silicon	28-1	4245891	4195893	4157504	4199762	1.06	cps
Silver	109-1	495301	483636	485523	488153	1.28	cps
Silver	107-1	520196	526675	515650	520841	1.06	cps
Sodium	23-2	1846039	1823638	1826196	1831958	0.67	cps
Strontium	86-1	174552	172417	170665	172545	1.13	cps
Strontium	88-1	1550401	1548907	1524043	1541117	0.96	cps
Sulfur	34-1	366288	356694	355669	359550	1.63	cps
Terbium	159-1	3776155	3732722	3701460	3736779	1.00	cps
Terbium	159-2	1100734	1089503	1101788	1097342	0.62	cps
Thallium	203-1	288695	288244	290310	289083	0.38	cps
Thallium	205-1	682393	679510	688724	683542	0.69	cps
Tin	118-1	309281	318705	317330	315105	1.62	cps
Titanium	47-1	328917	327928	323331	326726	0.91	cps
Uranium	238-1	868090	877092	874087	873090	0.52	cps
Vanadium	51-2	57812	57825	57250	57629	0.57	cps
Yttrium	89-1	3622842	3604976	3624883	3617567	0.30	cps
Yttrium	89-2	173263	171373	171547	172061	0.61	cps
Zinc	66-2	28720	27791	28804	28438	1.98	cps

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	K1104-08ADLX5	Instrumnet Name :	P8
Client Sample ID :	EPA-MW-37-BR-0109201	Dilution Factor :	5
Date & Time Acquired ::	2019-01-21 17:40:50	DataFile Name :	073SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	90-1	726557	726260	723967	725595	0.20	cps
Zirconium	91-1	163276	160638	162391	162102	0.83	cps

LB Number : LB100421 Operator : Jaswal
 Lab Sample ID : K1079-08DL2X100 Instrumnet Name : P8
 Client Sample ID : EPA-MW-29-OB-010720 Dilution Factor : 100
 Date & Time Acquired :: 2019-01-21 17:44:21 DataFile Name : 074SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	105	125	85	105	19.05	cps
Antimony	121-1	700	767	792	753	6.30	cps
Arsenic	75-2	4	6	13	7	66.14	cps
Barium	135-1	58	67	42	56	22.91	cps
Barium	137-1	158	158	100	139	24.25	cps
Beryllium	9-1	73	77	40	63	32.01	cps
Bismuth	209-1	2142483	2171085	2081898	2131822	2.14	cps
Bismuth	209-2	870282	881019	868480	873260	0.78	cps
Boron	10-1	1008	1225	1225	1153	10.85	cps
Boron	11-1	5635	5501	5209	5448	3.99	cps
Cadmium	111-1	540	605	548	564	6.33	cps
Cadmium	106-1	700	808	708	739	8.16	cps
Cadmium	108-1	0	21	21	14	86.60	cps
Calcium	43-1	7159	7122	6625	6969	4.28	cps
Calcium	44-1	135596	137444	133439	135493	1.48	cps
Chromium	52-2	400351	407807	401718	403292	0.98	cps
Cobalt	59-2	220	243	213	226	6.98	cps
Copper	63-2	17798	17645	17374	17606	1.22	cps
Dysprosium	156-1	17	17	0	11	86.60	cps
Dysprosium	156-2	3	0	13	6	124.93	cps
Erbium	164-1	25	17	17	19	24.73	cps
Erbium	164-2	10	10	3	8	49.52	cps
Gadolinium	160-1	17	67	42	42	60.00	cps
Gadolinium	160-2	3	3	10	6	69.34	cps
Holmium	165-1	3479070	3513862	3396575	3463169	1.74	cps
Holmium	165-2	1119226	1132498	1120065	1123930	0.66	cps
Indium	115-1	3164438	3245696	3095701	3168611	2.37	cps
Indium	115-2	213922	217605	212308	214612	1.27	cps
Iron	56-2	8197	8219	8597	8338	2.70	cps
Iron	57-2	222	144	250	206	26.62	cps
Krypton	83-1	640	587	647	624	5.27	cps
Lead	206-1	539	706	672	639	13.80	cps
Lead	207-1	506	467	539	504	7.18	cps
Lead	208-1	2289	2372	2456	2372	3.51	cps
Lithium	6-1	519477	529290	510424	519731	1.82	cps
Magnesium	24-2	3376	3209	3042	3209	5.20	cps

LB Number : LB100421 Operator : Jaswal
 Lab Sample ID : K1079-08DL2X100 Instrumnet Name : P8
 Client Sample ID : EPA-MW-29-OB-010720 Dilution Factor : 100
 Date & Time Acquired :: 2019-01-21 17:44:21 DataFile Name : 074SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	2400	2017	2164	2194	8.82	cps
Molybdenum	94-1	175	158	158	164	5.87	cps
Molybdenum	95-1	183	158	92	144	32.81	cps
Molybdenum	96-1	167	150	183	167	10.00	cps
Molybdenum	97-1	150	167	158	158	5.26	cps
Molybdenum	98-1	250	175	133	186	31.77	cps
Neodymium	150-1	33	33	13	27	43.31	cps
Neodymium	150-2	0	0	0	0	0.00	cps
Nickel	60-2	520	537	540	532	2.01	cps
Phosphorus	31-2	8	0	0	3	173.21	cps
Potassium	39-2	5243	4693	5159	5032	5.89	cps
Rhodium	103-1	3211608	3193176	3074191	3159658	2.36	cps
Rhodium	103-2	1157784	1180516	1157232	1165177	1.14	cps
Scandium	45-1	2398592	2436040	2376187	2403606	1.26	cps
Scandium	45-2	28636	28472	28800	28636	0.57	cps
Selenium	77-2	3	0	0	1	173.21	cps
Selenium	78-2	0	0	6	2	173.21	cps
Selenium	82-1	-35	-3	-102	-47	-108.76	cps
Silicon	28-1	1424304	1423732	1393992	1414009	1.23	cps
Silver	109-1	242	358	292	297	19.69	cps
Silver	107-1	292	258	300	283	7.78	cps
Sodium	23-2	158616	157158	155963	157246	0.84	cps
Strontium	86-1	1483	1584	1442	1503	4.84	cps
Strontium	88-1	5543	5193	5593	5443	4.01	cps
Sulfur	34-1	339772	345735	340794	342100	0.93	cps
Terbium	159-1	3714106	3772872	3641593	3709524	1.77	cps
Terbium	159-2	1108413	1122370	1115373	1115385	0.63	cps
Thallium	203-1	67	50	83	67	25.00	cps
Thallium	205-1	133	117	100	117	14.28	cps
Tin	118-1	175	292	225	231	25.39	cps
Titanium	47-1	92	117	183	131	36.30	cps
Uranium	238-1	58	58	42	53	18.23	cps
Vanadium	51-2	10	13	10	11	17.30	cps
Yttrium	89-1	3527085	3638798	3500468	3555450	2.06	cps
Yttrium	89-2	173928	173523	172214	173222	0.52	cps
Zinc	66-2	290	223	267	260	13.01	cps

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	K1079-08DL2X100	Instrumnet Name :	P8
Client Sample ID :	EPA-MW-29-OB-010720	Dilution Factor :	100
Date & Time Acquired ::	2019-01-21 17:44:21	DataFile Name :	074SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	90-1	200	233	317	250	24.04	cps
Zirconium	91-1	33	17	92	47	83.40	cps

LB Number : LB100421 Operator : Jaswal
 Lab Sample ID : CCV56 Instrumnet Name : P8
 Client Sample ID : CCV56 Dilution Factor : 1
 Date & Time Acquired :: 2019-01-21 17:47:55 DataFile Name : 075CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	351242	351516	352690	351816	0.22	cps
Antimony	121-1	2475393	2592106	2433504	2500334	3.29	cps
Arsenic	75-2	54462	54509	53460	54144	1.09	cps
Barium	135-1	2479744	2541679	2368842	2463422	3.55	cps
Barium	137-1	4245267	4385553	4106683	4245835	3.28	cps
Beryllium	9-1	479949	490258	468652	479619	2.25	cps
Bismuth	209-1	2020597	2067199	1977770	2021855	2.21	cps
Bismuth	209-2	837642	833820	832036	834499	0.34	cps
Boron	10-1	65417	69720	66112	67083	3.44	cps
Boron	11-1	314705	335593	324736	325012	3.21	cps
Cadmium	111-1	538581	546115	515594	533430	2.98	cps
Cadmium	106-1	56335	56803	54260	55799	2.43	cps
Cadmium	108-1	38430	38284	37390	38034	1.48	cps
Calcium	43-1	3353342	3443794	3250057	3349064	2.89	cps
Calcium	44-1	53915823	55100726	52738674	53918408	2.19	cps
Chromium	52-2	404519	407587	410433	407513	0.73	cps
Cobalt	59-2	793125	792723	794671	793506	0.13	cps
Copper	63-2	1272349	1286650	1293788	1284262	0.85	cps
Dysprosium	156-1	58	0	100	53	95.17	cps
Dysprosium	156-2	10	20	20	17	34.64	cps
Erbium	164-1	17	42	58	39	53.93	cps
Erbium	164-2	7	7	17	10	57.72	cps
Gadolinium	160-1	67	42	42	50	28.87	cps
Gadolinium	160-2	10	20	10	13	43.30	cps
Holmium	165-1	3512883	3517624	3400860	3477122	1.90	cps
Holmium	165-2	1140118	1151758	1143167	1145014	0.53	cps
Indium	115-1	3086382	3133771	2996301	3072152	2.27	cps
Indium	115-2	211895	213108	212975	212659	0.31	cps
Iron	56-2	66305833	66588760	67130833	66675142	0.63	cps
Iron	57-2	1706050	1705766	1706884	1706233	0.03	cps
Krypton	83-1	510	557	550	539	4.68	cps
Lead	206-1	1151541	1169573	1112156	1144423	2.57	cps
Lead	207-1	1043828	1047405	1010394	1033876	1.97	cps
Lead	208-1	4846237	4900393	4708386	4818339	2.05	cps
Lithium	6-1	541597	552715	532867	542393	1.83	cps
Magnesium	24-2	7784610	7790699	7915359	7830223	0.94	cps

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	CCV56	Instrumnet Name :	P8
Client Sample ID :	CCV56	Dilution Factor :	1
Date & Time Acquired ::	2019-01-21 17:47:55	DataFile Name :	075CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	236393	238302	240341	238345	0.83	cps
Molybdenum	94-1	4460087	4658863	4282403	4467118	4.22	cps
Molybdenum	95-1	5549294	5680670	5395931	5541965	2.57	cps
Molybdenum	96-1	6069903	6269441	5842362	6060569	3.53	cps
Molybdenum	97-1	3424626	3538850	3288412	3417296	3.67	cps
Molybdenum	98-1	8844283	8973137	8476663	8764694	2.94	cps
Neodymium	150-1	173	93	100	122	36.32	cps
Neodymium	150-2	20	23	13	19	26.96	cps
Nickel	60-2	230100	228199	232122	230140	0.85	cps
Phosphorus	31-2	5510	6202	5493	5735	7.05	cps
Potassium	39-2	2360773	2350593	2391719	2367695	0.90	cps
Rhodium	103-1	3025272	3065309	2921504	3004028	2.47	cps
Rhodium	103-2	1119422	1126573	1125665	1123887	0.35	cps
Scandium	45-1	2417675	2505824	2382692	2435397	2.61	cps
Scandium	45-2	30303	30193	30727	30408	0.93	cps
Selenium	77-2	383	343	433	387	11.66	cps
Selenium	78-2	1306	1450	1335	1364	5.60	cps
Selenium	82-1	38231	38512	36222	37655	3.32	cps
Silicon	28-1	1770810	1839975	1757437	1789407	2.48	cps
Silver	109-1	2543306	2561871	2484511	2529896	1.60	cps
Silver	107-1	2643789	2719188	2562942	2641973	2.96	cps
Sodium	23-2	18113647	18209434	18508589	18277224	1.13	cps
Strontium	86-1	670879	691875	656173	672976	2.67	cps
Strontium	88-1	6002776	6184798	5828207	6005260	2.97	cps
Sulfur	34-1	561992	575614	555002	564203	1.86	cps
Terbium	159-1	3700216	3727071	3617623	3681637	1.55	cps
Terbium	159-2	1127855	1147036	1141522	1138804	0.87	cps
Thallium	203-1	1408084	1454867	1379002	1413984	2.71	cps
Thallium	205-1	3537438	3614541	3418058	3523346	2.81	cps
Tin	118-1	1646736	1705003	1603283	1651674	3.09	cps
Titanium	47-1	1707719	1763995	1655686	1709133	3.17	cps
Uranium	238-1	4596309	4664910	4449931	4570383	2.40	cps
Vanadium	51-2	298921	299592	302750	300421	0.68	cps
Yttrium	89-1	3613828	3714587	3491060	3606492	3.10	cps
Yttrium	89-2	177929	178334	178965	178409	0.29	cps
Zinc	66-2	140314	140056	141071	140480	0.38	cps

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	CCV56	Instrumnet Name :	P8
Client Sample ID :	CCV56	Dilution Factor :	1
Date & Time Acquired ::	2019-01-21 17:47:55	DataFile Name :	075CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	90-1	3772246	3836510	3580167	3729641	3.58	cps
Zirconium	91-1	813312	823145	767075	801177	3.74	cps

LB Number : LB100421 Operator : Jaswal
 Lab Sample ID : CCB56 Instrumnet Name : P8
 Client Sample ID : CCB56 Dilution Factor : 1
 Date & Time Acquired :: 2019-01-21 17:55:14 DataFile Name : 076CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	53	63	48	54	14.11	cps
Antimony	121-1	425	567	617	536	18.54	cps
Arsenic	75-2	7	7	11	9	24.71	cps
Barium	135-1	42	0	33	25	88.19	cps
Barium	137-1	50	42	33	42	20.00	cps
Beryllium	9-1	47	57	73	59	22.87	cps
Bismuth	209-1	2061093	2139706	1972633	2057810	4.06	cps
Bismuth	209-2	877968	893344	870342	880551	1.33	cps
Boron	10-1	558	517	542	539	3.89	cps
Boron	11-1	3167	3117	2767	3017	7.23	cps
Cadmium	111-1	507	446	462	472	6.73	cps
Cadmium	106-1	717	642	658	672	5.86	cps
Cadmium	108-1	4	17	4	8	86.57	cps
Calcium	43-1	277	250	240	256	7.42	cps
Calcium	44-1	27193	26338	26552	26694	1.67	cps
Chromium	52-2	1537	1483	1530	1517	1.92	cps
Cobalt	59-2	63	80	100	81	22.64	cps
Copper	63-2	513	453	490	486	6.23	cps
Dysprosium	156-1	0	8	8	6	86.60	cps
Dysprosium	156-2	3	3	0	2	86.60	cps
Erbium	164-1	17	17	17	17	0.00	cps
Erbium	164-2	0	3	0	1	173.21	cps
Gadolinium	160-1	33	50	0	28	91.65	cps
Gadolinium	160-2	0	3	0	1	173.21	cps
Holmium	165-1	3418368	3410354	3275148	3367957	2.39	cps
Holmium	165-2	1129584	1154685	1126197	1136822	1.37	cps
Indium	115-1	3172367	3156328	2930681	3086459	4.38	cps
Indium	115-2	221180	224981	215465	220542	2.17	cps
Iron	56-2	3523	3612	3745	3627	3.09	cps
Iron	57-2	111	111	122	115	5.59	cps
Krypton	83-1	527	510	620	552	10.74	cps
Lead	206-1	656	511	706	624	16.18	cps
Lead	207-1	439	600	500	513	15.86	cps
Lead	208-1	2356	2306	2584	2415	6.13	cps
Lithium	6-1	569899	586762	544367	567009	3.76	cps
Magnesium	24-2	400	425	433	419	4.14	cps

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	CCB56	Instrumnet Name :	P8
Client Sample ID :	CCB56	Dilution Factor :	1
Date & Time Acquired ::	2019-01-21 17:55:14	DataFile Name :	076CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	100	53	73	76	30.99	cps
Molybdenum	94-1	258	217	200	225	13.36	cps
Molybdenum	95-1	242	167	233	214	19.22	cps
Molybdenum	96-1	317	258	308	294	10.71	cps
Molybdenum	97-1	175	217	167	186	14.39	cps
Molybdenum	98-1	392	267	292	317	20.89	cps
Neodymium	150-1	7	7	20	11	69.25	cps
Neodymium	150-2	0	3	0	1	173.21	cps
Nickel	60-2	70	93	77	80	15.03	cps
Phosphorus	31-2	17	8	0	8	100.02	cps
Potassium	39-2	4859	5201	5260	5107	4.23	cps
Rhodium	103-1	3103860	3240365	2979856	3108027	4.19	cps
Rhodium	103-2	1182387	1192553	1158435	1177792	1.49	cps
Scandium	45-1	2405512	2496187	2289145	2396948	4.33	cps
Scandium	45-2	29892	29808	29254	29651	1.17	cps
Selenium	77-2	0	0	3	1	173.21	cps
Selenium	78-2	4	0	7	4	100.05	cps
Selenium	82-1	93	46	-60	26	296.06	cps
Silicon	28-1	247465	244031	244853	245450	0.73	cps
Silver	109-1	233	225	308	256	17.96	cps
Silver	107-1	192	292	317	267	24.80	cps
Sodium	23-2	12431	12298	12881	12537	2.44	cps
Strontium	86-1	1000	833	775	870	13.43	cps
Strontium	88-1	167	100	75	114	41.61	cps
Sulfur	34-1	362720	362545	361432	362232	0.19	cps
Terbium	159-1	3623494	3701802	3443879	3589725	3.68	cps
Terbium	159-2	1129097	1137826	1112460	1126461	1.14	cps
Thallium	203-1	83	150	75	103	39.99	cps
Thallium	205-1	150	250	258	219	27.47	cps
Tin	118-1	233	208	183	208	12.00	cps
Titanium	47-1	75	133	150	119	32.97	cps
Uranium	238-1	50	33	42	42	20.00	cps
Vanadium	51-2	20	20	10	17	34.64	cps
Yttrium	89-1	3598236	3702703	3412412	3571117	4.12	cps
Yttrium	89-2	177708	179976	174710	177465	1.49	cps
Zinc	66-2	97	70	70	79	19.52	cps

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	CCB56	Instrumnet Name :	P8
Client Sample ID :	CCB56	Dilution Factor :	1
Date & Time Acquired ::	2019-01-21 17:55:14	DataFile Name :	076CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	90-1	200	192	292	228	24.36	cps
Zirconium	91-1	42	58	92	64	39.85	cps

LB Number : LB100421 Operator : Jaswal
 Lab Sample ID : K1104-08DLREX5 Instrumnet Name : P8
 Client Sample ID : EPA-MW-37-BR-0109201 Dilution Factor : 5
 Date & Time Acquired :: 2019-01-21 18:12:10 DataFile Name : 080SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	63	38	58	53	25.20	cps
Antimony	121-1	733	783	967	828	14.84	cps
Arsenic	75-2	28	19	35	27	30.75	cps
Barium	135-1	39844	40229	40939	40337	1.38	cps
Barium	137-1	68528	68897	68502	68642	0.32	cps
Beryllium	9-1	103	127	110	113	10.60	cps
Bismuth	209-1	2219620	2188751	2153874	2187415	1.50	cps
Bismuth	209-2	918336	915809	927298	920481	0.66	cps
Boron	10-1	2534	2359	2250	2381	6.01	cps
Boron	11-1	10896	11655	10988	11180	3.71	cps
Cadmium	111-1	515	620	422	519	19.04	cps
Cadmium	106-1	717	900	592	736	21.07	cps
Cadmium	108-1	17	21	13	17	24.99	cps
Calcium	43-1	277491	278055	276290	277279	0.33	cps
Calcium	44-1	4607240	4559782	4616911	4594644	0.67	cps
Chromium	52-2	331072	328347	331941	330453	0.57	cps
Cobalt	59-2	183	133	107	141	27.58	cps
Copper	63-2	1500	1510	1380	1463	4.94	cps
Dysprosium	156-1	25	33	0	19	89.21	cps
Dysprosium	156-2	0	10	7	6	91.64	cps
Erbium	164-1	33	83	0	39	107.86	cps
Erbium	164-2	7	0	13	7	99.98	cps
Gadolinium	160-1	17	17	50	28	69.27	cps
Gadolinium	160-2	10	7	3	7	50.03	cps
Holmium	165-1	3628400	3619485	3594832	3614239	0.48	cps
Holmium	165-2	1216943	1201849	1207430	1208741	0.63	cps
Indium	115-1	3372503	3334952	3263894	3323783	1.66	cps
Indium	115-2	235666	233903	236181	235250	0.51	cps
Iron	56-2	4423	4551	4434	4469	1.58	cps
Iron	57-2	100	89	94	94	5.88	cps
Krypton	83-1	547	577	580	568	3.23	cps
Lead	206-1	1183	1161	933	1093	12.66	cps
Lead	207-1	817	672	739	743	9.74	cps
Lead	208-1	4501	3867	3856	4074	9.06	cps
Lithium	6-1	624497	621146	621575	622406	0.29	cps
Magnesium	24-2	139033	137021	137972	138009	0.73	cps

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	K1104-08DLREX5	Instrumnet Name :	P8
Client Sample ID :	EPA-MW-37-BR-0109201	Dilution Factor :	5
Date & Time Acquired ::	2019-01-21 18:12:10	DataFile Name :	080SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	113	103	103	107	5.41	cps
Molybdenum	94-1	442	375	442	419	9.18	cps
Molybdenum	95-1	592	542	475	536	10.92	cps
Molybdenum	96-1	808	717	675	733	9.30	cps
Molybdenum	97-1	383	483	400	422	12.69	cps
Molybdenum	98-1	958	842	875	892	6.74	cps
Neodymium	150-1	0	0	13	4	173.21	cps
Neodymium	150-2	0	0	0	0	0.00	cps
Nickel	60-2	373	373	400	382	4.03	cps
Phosphorus	31-2	0	8	8	6	86.60	cps
Potassium	39-2	11931	12097	12489	12172	2.36	cps
Rhodium	103-1	3380881	3338998	3298929	3339602	1.23	cps
Rhodium	103-2	1247279	1234505	1239170	1240318	0.52	cps
Scandium	45-1	2648549	2623056	2642615	2638073	0.51	cps
Scandium	45-2	32103	32037	31783	31974	0.53	cps
Selenium	77-2	0	7	0	2	173.21	cps
Selenium	78-2	6	4	4	4	24.86	cps
Selenium	82-1	74	86	36	66	40.03	cps
Silicon	28-1	4550425	4566967	4512636	4543343	0.61	cps
Silver	109-1	417	558	600	525	18.31	cps
Silver	107-1	483	542	567	531	8.06	cps
Sodium	23-2	1154376	1181398	1170912	1168895	1.17	cps
Strontium	86-1	42158	42000	42150	42103	0.21	cps
Strontium	88-1	358998	349205	351893	353365	1.43	cps
Sulfur	34-1	398504	398151	398569	398408	0.06	cps
Terbium	159-1	3886858	3878542	3847115	3870839	0.54	cps
Terbium	159-2	1214068	1195909	1217346	1209108	0.96	cps
Thallium	203-1	125	58	108	97	35.68	cps
Thallium	205-1	233	292	342	289	18.77	cps
Tin	118-1	367	433	508	436	16.25	cps
Titanium	47-1	92	175	133	133	31.25	cps
Uranium	238-1	533	583	700	606	14.13	cps
Vanadium	51-2	100	183	130	138	30.64	cps
Yttrium	89-1	3823035	3793771	3821772	3812859	0.43	cps
Yttrium	89-2	190549	189518	190613	190226	0.32	cps
Zinc	66-2	540	540	477	519	7.05	cps

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	K1104-08DLREX5	Instrumnet Name :	P8
Client Sample ID :	EPA-MW-37-BR-0109201	Dilution Factor :	5
Date & Time Acquired ::	2019-01-21 18:12:10	DataFile Name :	080SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	90-1	325	292	292	303	6.36	cps
Zirconium	91-1	58	75	75	69	13.85	cps

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	K1104-08DUPDLREX5	Instrumnet Name :	P8
Client Sample ID :	EPA-MW-37-BR-0109201	Dilution Factor :	5
Date & Time Acquired ::	2019-01-21 18:15:43	DataFile Name :	081SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	40	50	58	49	17.86	cps
Antimony	121-1	425	517	417	453	12.25	cps
Arsenic	75-2	31	15	17	21	43.53	cps
Barium	135-1	39477	39476	40213	39722	1.07	cps
Barium	137-1	69516	68000	69433	68983	1.24	cps
Beryllium	9-1	90	70	63	74	18.64	cps
Bismuth	209-1	2185904	2148141	2160914	2164986	0.89	cps
Bismuth	209-2	914246	910037	911379	911887	0.24	cps
Boron	10-1	1942	2017	1975	1978	1.90	cps
Boron	11-1	9720	9812	10079	9870	1.89	cps
Cadmium	111-1	382	543	492	472	17.46	cps
Cadmium	106-1	542	767	683	664	17.13	cps
Cadmium	108-1	8	21	4	11	78.05	cps
Calcium	43-1	276787	276055	276887	276576	0.16	cps
Calcium	44-1	4582302	4557062	4583641	4574335	0.33	cps
Chromium	52-2	334796	334150	335134	334693	0.15	cps
Cobalt	59-2	157	120	100	126	22.89	cps
Copper	63-2	1340	1330	1337	1336	0.38	cps
Dysprosium	156-1	8	33	8	17	86.62	cps
Dysprosium	156-2	0	0	0	0	0.00	cps
Erbium	164-1	33	25	50	36	35.25	cps
Erbium	164-2	13	3	10	9	57.30	cps
Gadolinium	160-1	17	58	8	28	96.44	cps
Gadolinium	160-2	3	7	0	3	100.05	cps
Holmium	165-1	3611371	3620631	3557013	3596338	0.96	cps
Holmium	165-2	1207070	1194814	1208239	1203374	0.62	cps
Indium	115-1	3407789	3320108	3326224	3351374	1.46	cps
Indium	115-2	236325	234171	236046	235514	0.50	cps
Iron	56-2	4134	4490	4406	4343	4.28	cps
Iron	57-2	122	122	139	128	7.53	cps
Krypton	83-1	543	430	530	501	12.36	cps
Lead	206-1	839	622	711	724	15.04	cps
Lead	207-1	683	761	722	722	5.38	cps
Lead	208-1	2967	2884	2956	2935	1.54	cps
Lithium	6-1	619623	612246	611005	614291	0.76	cps
Magnesium	24-2	139714	139133	139841	139563	0.27	cps

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	K1104-08DUPDLREX5	Instrumnet Name :	P8
Client Sample ID :	EPA-MW-37-BR-0109201	Dilution Factor :	5
Date & Time Acquired ::	2019-01-21 18:15:43	DataFile Name :	081SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	103	113	137	118	14.52	cps
Molybdenum	94-1	358	383	358	367	3.94	cps
Molybdenum	95-1	433	525	417	458	12.73	cps
Molybdenum	96-1	508	517	442	489	8.41	cps
Molybdenum	97-1	375	258	267	300	21.69	cps
Molybdenum	98-1	542	567	658	589	10.43	cps
Neodymium	150-1	27	13	7	16	65.47	cps
Neodymium	150-2	3	0	0	1	173.21	cps
Nickel	60-2	383	360	327	357	7.99	cps
Phosphorus	31-2	17	0	33	17	99.99	cps
Potassium	39-2	11881	11897	12281	12019	1.88	cps
Rhodium	103-1	3349386	3312236	3300839	3320820	0.76	cps
Rhodium	103-2	1244601	1238191	1242407	1241733	0.26	cps
Scandium	45-1	2680859	2610253	2631724	2640945	1.37	cps
Scandium	45-2	32742	32448	32618	32602	0.45	cps
Selenium	77-2	0	0	0	0	0.00	cps
Selenium	78-2	6	4	2	4	50.09	cps
Selenium	82-1	115	205	84	134	46.79	cps
Silicon	28-1	4494296	4560732	4594050	4549693	1.12	cps
Silver	109-1	400	375	292	356	15.95	cps
Silver	107-1	325	317	333	325	2.56	cps
Sodium	23-2	1209291	1201134	1181300	1197242	1.20	cps
Strontium	86-1	41606	41991	41698	41765	0.48	cps
Strontium	88-1	353743	353613	352252	353203	0.23	cps
Sulfur	34-1	409036	414364	406940	410113	0.93	cps
Terbium	159-1	3882276	3847611	3828125	3852671	0.71	cps
Terbium	159-2	1204204	1200877	1207809	1204297	0.29	cps
Thallium	203-1	67	67	50	61	15.75	cps
Thallium	205-1	117	192	208	172	28.35	cps
Tin	118-1	333	333	442	369	16.94	cps
Titanium	47-1	150	142	108	133	16.54	cps
Uranium	238-1	575	492	492	519	9.26	cps
Vanadium	51-2	147	133	133	138	5.59	cps
Yttrium	89-1	3782655	3849308	3863506	3831823	1.13	cps
Yttrium	89-2	191765	190076	191728	191190	0.50	cps
Zinc	66-2	590	510	567	556	7.41	cps

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	K1104-08DUPDLREX5	Instrumnet Name :	P8
Client Sample ID :	EPA-MW-37-BR-0109201	Dilution Factor :	5
Date & Time Acquired ::	2019-01-21 18:15:43	DataFile Name :	081SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	90-1	392	275	275	314	21.46	cps
Zirconium	91-1	83	50	67	67	25.00	cps

LB Number : LB100421 Operator : Jaswal
 Lab Sample ID : K1104-08LDLREX25 Instrumnet Name : P8
 Client Sample ID : EPA-MW-37-BR-0109201 Dilution Factor : 25
 Date & Time Acquired :: 2019-01-21 18:23:39 DataFile Name : 083SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	58	35	43	45	25.46	cps
Antimony	121-1	267	183	158	203	27.97	cps
Arsenic	75-2	4	9	11	8	48.07	cps
Barium	135-1	8278	8120	7694	8031	3.76	cps
Barium	137-1	13432	13491	13791	13571	1.42	cps
Beryllium	9-1	63	73	50	62	18.82	cps
Bismuth	209-1	2153145	2121313	2084893	2119784	1.61	cps
Bismuth	209-2	910519	909260	898841	906206	0.71	cps
Boron	10-1	808	758	708	758	6.59	cps
Boron	11-1	3709	3576	3559	3615	2.28	cps
Cadmium	111-1	485	550	458	498	9.49	cps
Cadmium	106-1	708	792	642	714	10.53	cps
Cadmium	108-1	21	13	0	11	94.37	cps
Calcium	43-1	55800	55696	56419	55972	0.70	cps
Calcium	44-1	941098	935336	935721	937385	0.34	cps
Chromium	52-2	67495	67643	67006	67381	0.49	cps
Cobalt	59-2	77	80	100	86	14.75	cps
Copper	63-2	637	647	630	638	1.31	cps
Dysprosium	156-1	50	17	25	31	56.77	cps
Dysprosium	156-2	7	3	0	3	100.05	cps
Erbium	164-1	33	0	33	22	86.60	cps
Erbium	164-2	3	10	7	7	50.03	cps
Gadolinium	160-1	33	17	17	22	43.28	cps
Gadolinium	160-2	3	3	7	4	43.40	cps
Holmium	165-1	3550880	3543802	3525760	3540147	0.37	cps
Holmium	165-2	1200730	1192659	1194059	1195816	0.36	cps
Indium	115-1	3269003	3359367	3281595	3303322	1.48	cps
Indium	115-2	237570	236124	234690	236128	0.61	cps
Iron	56-2	3901	3884	4084	3956	2.81	cps
Iron	57-2	72	128	150	117	34.34	cps
Krypton	83-1	577	500	533	537	7.16	cps
Lead	206-1	511	483	494	496	2.82	cps
Lead	207-1	450	467	394	437	8.65	cps
Lead	208-1	1889	1867	1845	1867	1.19	cps
Lithium	6-1	608478	610498	604547	607841	0.50	cps
Magnesium	24-2	27845	27878	27344	27689	1.08	cps

LB Number : LB100421 Operator : Jaswal
 Lab Sample ID : K1104-08LDLREX25 Instrumnet Name : P8
 Client Sample ID : EPA-MW-37-BR-0109201 Dilution Factor : 25
 Date & Time Acquired :: 2019-01-21 18:23:39 DataFile Name : 083SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	83	80	70	78	8.92	cps
Molybdenum	94-1	175	242	150	189	25.09	cps
Molybdenum	95-1	67	142	200	136	49.11	cps
Molybdenum	96-1	192	167	158	172	10.07	cps
Molybdenum	97-1	100	125	125	117	12.37	cps
Molybdenum	98-1	225	208	192	208	8.00	cps
Neodymium	150-1	0	0	0	0	0.00	cps
Neodymium	150-2	0	0	0	0	0.00	cps
Nickel	60-2	197	130	127	151	26.13	cps
Phosphorus	31-2	17	8	8	11	43.34	cps
Potassium	39-2	6368	5676	6552	6199	7.45	cps
Rhodium	103-1	3361016	3285527	3278619	3308387	1.38	cps
Rhodium	103-2	1270019	1255405	1248679	1258034	0.87	cps
Scandium	45-1	2630824	2653583	2612822	2632410	0.78	cps
Scandium	45-2	33423	31669	32411	32501	2.71	cps
Selenium	77-2	0	3	0	1	173.21	cps
Selenium	78-2	2	6	4	4	50.09	cps
Selenium	82-1	2	122	74	66	91.11	cps
Silicon	28-1	1171268	1165204	1162717	1166396	0.38	cps
Silver	109-1	175	250	183	203	20.27	cps
Silver	107-1	200	250	250	233	12.37	cps
Sodium	23-2	236035	234292	233826	234718	0.50	cps
Strontium	86-1	8862	9120	8903	8962	1.55	cps
Strontium	88-1	70132	69151	69528	69603	0.71	cps
Sulfur	34-1	400032	396923	400685	399213	0.50	cps
Terbium	159-1	3719052	3868826	3708753	3765544	2.38	cps
Terbium	159-2	1209797	1190655	1196401	1198951	0.82	cps
Thallium	203-1	83	58	92	78	22.30	cps
Thallium	205-1	200	217	117	178	30.14	cps
Tin	118-1	1019	400	417	612	57.65	cps
Titanium	47-1	258	217	225	233	9.45	cps
Uranium	238-1	150	100	183	144	29.04	cps
Vanadium	51-2	17	30	27	24	28.38	cps
Yttrium	89-1	3849389	3862455	3769235	3827027	1.32	cps
Yttrium	89-2	192523	190588	191363	191491	0.51	cps
Zinc	66-2	313	307	257	292	10.60	cps

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	K1104-08LDLREX25	Instrumnet Name :	P8
Client Sample ID :	EPA-MW-37-BR-0109201	Dilution Factor :	25
Date & Time Acquired ::	2019-01-21 18:23:39	DataFile Name :	083SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	90-1	267	167	383	272	39.84	cps
Zirconium	91-1	75	67	50	64	19.92	cps

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	CCV57	Instrumnet Name :	P8
Client Sample ID :	CCV57	Dilution Factor :	1
Date & Time Acquired ::	2019-01-21 18:27:13	DataFile Name :	084CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	383796	386786	391126	387236	0.95	cps
Antimony	121-1	2559962	2527575	2530618	2539385	0.70	cps
Arsenic	75-2	58183	57785	57705	57891	0.44	cps
Barium	135-1	2501762	2470836	2504717	2492438	0.75	cps
Barium	137-1	4297899	4267830	4282155	4282628	0.35	cps
Beryllium	9-1	510982	517445	515722	514716	0.65	cps
Bismuth	209-1	1956439	1987144	1971420	1971668	0.78	cps
Bismuth	209-2	838056	833283	832972	834770	0.34	cps
Boron	10-1	72275	72048	72936	72419	0.64	cps
Boron	11-1	345287	353596	356871	351918	1.70	cps
Cadmium	111-1	541159	541838	545595	542864	0.44	cps
Cadmium	106-1	57072	57909	56495	57159	1.24	cps
Cadmium	108-1	38509	38526	38814	38617	0.44	cps
Calcium	43-1	3579597	3608487	3553649	3580578	0.77	cps
Calcium	44-1	57260419	57624356	57651642	57512139	0.38	cps
Chromium	52-2	433144	434963	435665	434591	0.30	cps
Cobalt	59-2	836452	828690	839778	834973	0.68	cps
Copper	63-2	1341311	1348286	1355096	1348231	0.51	cps
Dysprosium	156-1	58	92	67	72	24.02	cps
Dysprosium	156-2	27	17	20	21	24.12	cps
Erbium	164-1	58	25	58	47	40.76	cps
Erbium	164-2	10	17	23	17	39.99	cps
Gadolinium	160-1	83	42	75	67	33.07	cps
Gadolinium	160-2	40	33	33	36	10.83	cps
Holmium	165-1	3419881	3455007	3371233	3415374	1.23	cps
Holmium	165-2	1160293	1170519	1168350	1166387	0.46	cps
Indium	115-1	3117184	3114471	3124111	3118589	0.16	cps
Indium	115-2	225285	225759	229271	226772	0.96	cps
Iron	56-2	70914807	71356685	71940977	71404156	0.72	cps
Iron	57-2	1827715	1823490	1846376	1832527	0.66	cps
Krypton	83-1	567	550	540	552	2.44	cps
Lead	206-1	1120904	1113453	1105426	1113261	0.70	cps
Lead	207-1	1007284	1004023	996985	1002764	0.52	cps
Lead	208-1	4707236	4688377	4622667	4672760	0.95	cps
Lithium	6-1	577397	578976	587535	581303	0.94	cps
Magnesium	24-2	8474037	8578949	8564419	8539135	0.67	cps

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	CCV57	Instrumnet Name :	P8
Client Sample ID :	CCV57	Dilution Factor :	1
Date & Time Acquired ::	2019-01-21 18:27:13	DataFile Name :	084CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	257386	257184	258624	257731	0.30	cps
Molybdenum	94-1	4629700	4563675	4570006	4587794	0.79	cps
Molybdenum	95-1	5779232	5715260	5663323	5719272	1.02	cps
Molybdenum	96-1	6295824	6276526	6225278	6265876	0.58	cps
Molybdenum	97-1	3474060	3489244	3480624	3481309	0.22	cps
Molybdenum	98-1	8992059	8907592	8912474	8937375	0.53	cps
Neodymium	150-1	167	153	160	160	4.17	cps
Neodymium	150-2	27	37	33	32	15.80	cps
Nickel	60-2	241527	241887	244275	242563	0.62	cps
Phosphorus	31-2	6360	6435	6468	6421	0.86	cps
Potassium	39-2	2577350	2595584	2609494	2594142	0.62	cps
Rhodium	103-1	3050421	3052034	3057467	3053307	0.12	cps
Rhodium	103-2	1160090	1158095	1167199	1161795	0.41	cps
Scandium	45-1	2583696	2592199	2592917	2589604	0.20	cps
Scandium	45-2	32407	32842	32919	32723	0.84	cps
Selenium	77-2	377	437	357	390	10.67	cps
Selenium	78-2	1356	1467	1428	1417	3.98	cps
Selenium	82-1	39444	39221	38914	39193	0.68	cps
Silicon	28-1	1904579	1968418	2015515	1962837	2.84	cps
Silver	109-1	2549283	2542668	2582261	2558071	0.83	cps
Silver	107-1	2679287	2663484	2648943	2663905	0.57	cps
Sodium	23-2	19782497	19812913	19850281	19815230	0.17	cps
Strontium	86-1	702687	698257	700823	700589	0.32	cps
Strontium	88-1	6211215	6120907	6235414	6189178	0.98	cps
Sulfur	34-1	611369	611507	612815	611897	0.13	cps
Terbium	159-1	3656463	3654161	3649623	3653416	0.10	cps
Terbium	159-2	1167502	1168385	1167452	1167780	0.04	cps
Thallium	203-1	1397474	1372495	1364505	1378158	1.25	cps
Thallium	205-1	3511725	3427099	3429279	3456034	1.40	cps
Tin	118-1	1711320	1677401	1681745	1690155	1.09	cps
Titanium	47-1	1820940	1837646	1838368	1832318	0.54	cps
Uranium	238-1	4407584	4414330	4412503	4411472	0.08	cps
Vanadium	51-2	317329	319768	321024	319373	0.59	cps
Yttrium	89-1	3790658	3776400	3719841	3762300	1.00	cps
Yttrium	89-2	189565	189779	192459	190601	0.85	cps
Zinc	66-2	149734	151048	152355	151046	0.87	cps

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	CCV57	Instrumnet Name :	P8
Client Sample ID :	CCV57	Dilution Factor :	1
Date & Time Acquired ::	2019-01-21 18:27:13	DataFile Name :	084CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	90-1	3919691	3877353	3839122	3878722	1.04	cps
Zirconium	91-1	828813	818242	827371	824808	0.70	cps

LB Number : LB100421 Operator : Jaswal
 Lab Sample ID : CCB57 Instrumnet Name : P8
 Client Sample ID : CCB57 Dilution Factor : 1
 Date & Time Acquired :: 2019-01-21 18:30:36 DataFile Name : 085CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	40	53	60	51	19.88	cps
Antimony	121-1	892	950	1133	992	12.72	cps
Arsenic	75-2	9	26	9	15	64.96	cps
Barium	135-1	50	25	42	39	32.73	cps
Barium	137-1	67	92	50	69	30.20	cps
Beryllium	9-1	87	143	83	104	32.28	cps
Bismuth	209-1	2157895	2128922	2147393	2144737	0.68	cps
Bismuth	209-2	917227	918579	920275	918694	0.17	cps
Boron	10-1	1133	1058	983	1058	7.09	cps
Boron	11-1	5560	5143	4618	5107	9.24	cps
Cadmium	111-1	446	532	519	499	9.26	cps
Cadmium	106-1	608	767	742	706	12.07	cps
Cadmium	108-1	13	13	13	13	0.00	cps
Calcium	43-1	293	277	233	268	11.57	cps
Calcium	44-1	30574	29925	30139	30213	1.09	cps
Chromium	52-2	1673	1503	1480	1552	6.80	cps
Cobalt	59-2	103	107	57	89	31.45	cps
Copper	63-2	607	547	583	579	5.22	cps
Dysprosium	156-1	0	8	17	8	100.02	cps
Dysprosium	156-2	0	0	0	0	0.00	cps
Erbium	164-1	8	25	0	11	114.58	cps
Erbium	164-2	7	7	7	7	0.00	cps
Gadolinium	160-1	8	42	42	31	62.99	cps
Gadolinium	160-2	3	10	3	6	69.34	cps
Holmium	165-1	3518704	3512037	3509867	3513536	0.13	cps
Holmium	165-2	1209589	1218396	1203444	1210476	0.62	cps
Indium	115-1	3336811	3325933	3370793	3344512	0.70	cps
Indium	115-2	239366	242386	239548	240433	0.70	cps
Iron	56-2	4112	3884	3828	3941	3.81	cps
Iron	57-2	100	139	117	119	16.46	cps
Krypton	83-1	643	583	500	576	12.51	cps
Lead	206-1	1089	995	978	1020	5.87	cps
Lead	207-1	811	989	939	913	10.04	cps
Lead	208-1	4267	4095	4000	4121	3.28	cps
Lithium	6-1	633367	624895	627190	628484	0.70	cps
Magnesium	24-2	500	392	483	458	12.73	cps

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	CCB57	Instrumnet Name :	P8
Client Sample ID :	CCB57	Dilution Factor :	1
Date & Time Acquired ::	2019-01-21 18:30:36	DataFile Name :	085CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	90	67	93	83	17.44	cps
Molybdenum	94-1	367	383	283	344	15.55	cps
Molybdenum	95-1	458	425	383	422	8.90	cps
Molybdenum	96-1	475	425	608	503	18.85	cps
Molybdenum	97-1	317	300	308	308	2.70	cps
Molybdenum	98-1	633	650	558	614	7.95	cps
Neodymium	150-1	13	13	0	9	86.60	cps
Neodymium	150-2	3	0	0	1	173.21	cps
Nickel	60-2	77	97	80	84	12.69	cps
Phosphorus	31-2	17	0	8	8	100.02	cps
Potassium	39-2	5693	5335	5235	5421	4.45	cps
Rhodium	103-1	3337629	3360708	3304585	3334307	0.85	cps
Rhodium	103-2	1271199	1279144	1265813	1272052	0.53	cps
Scandium	45-1	2659907	2682623	2684250	2675593	0.51	cps
Scandium	45-2	33433	33924	33026	33461	1.34	cps
Selenium	77-2	0	0	0	0	0.00	cps
Selenium	78-2	2	4	0	2	100.00	cps
Selenium	82-1	-74	40	117	28	347.44	cps
Silicon	28-1	267043	263360	260714	263706	1.21	cps
Silver	109-1	533	483	458	492	7.77	cps
Silver	107-1	492	625	558	558	11.94	cps
Sodium	23-2	15943	14650	15209	15267	4.25	cps
Strontium	86-1	825	892	1183	967	19.72	cps
Strontium	88-1	167	92	150	136	28.93	cps
Sulfur	34-1	383283	380034	381477	381598	0.43	cps
Terbium	159-1	3781002	3773445	3772399	3775615	0.12	cps
Terbium	159-2	1197131	1210065	1200004	1202400	0.56	cps
Thallium	203-1	150	167	217	178	19.52	cps
Thallium	205-1	292	300	217	269	17.03	cps
Tin	118-1	333	250	292	292	14.28	cps
Titanium	47-1	142	125	75	114	30.47	cps
Uranium	238-1	67	83	100	83	20.00	cps
Vanadium	51-2	17	13	23	18	28.64	cps
Yttrium	89-1	3896833	3851855	3872854	3873847	0.58	cps
Yttrium	89-2	195856	196281	195037	195725	0.32	cps
Zinc	66-2	153	130	90	124	25.74	cps

LB Number :	LB100421	Operator :	Jaswal
Lab Sample ID :	CCB57	Instrumnet Name :	P8
Client Sample ID :	CCB57	Dilution Factor :	1
Date & Time Acquired ::	2019-01-21 18:30:36	DataFile Name :	085CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	90-1	300	325	275	300	8.33	cps
Zirconium	91-1	83	75	125	94	28.37	cps