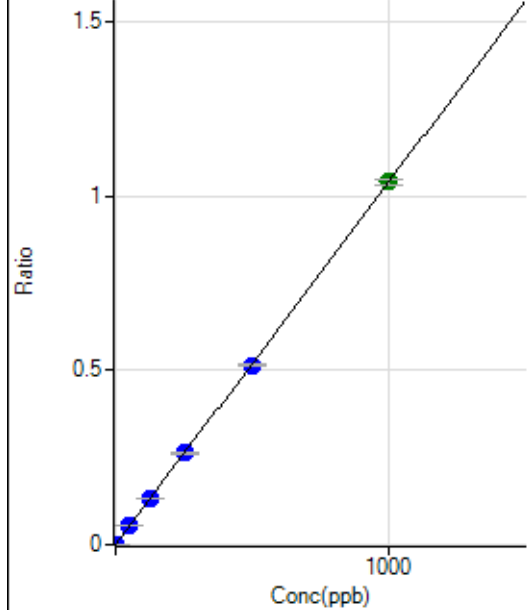


Batch Folder: D:\P8091317-MS .b\
Analysis File: P8091317-MS .batch.bin
DA Date-Time: 2017-09-13 13:54:40
Calibration Title:
Calibration Method: External Calibration
VIS Interpolation Fit:

Level	Standard Data File	Sample Name	Acq. Date-Time
1	003CALB P8091317-MS.D	S00	2017-09-13 11:02:18
2			
3	005CALS P8091317-MS.D	S02	2017-09-13 11:09:27
4	006CALS P8091317-MS.D	S03	2017-09-13 11:12:56
5	007CALS P8091317-MS.D	S04	2017-09-13 11:16:23
6	008CALS P8091317-MS.D	S05	2017-09-13 11:19:47
7	009CALS P8091317-MS.D	S06	2017-09-13 11:23:05
8	010CALS P8091317-MS.D	S07	2017-09-13 11:26:17
9	011CALS P8091317-MS.D	S08	2017-09-13 11:29:25

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	172.23	0.0002	P	25.2
2	☐	0.100					
3	☐	1.000	0.945	1333.44	0.0011	P	4.8
4	☐	50.000	52.124	64796.13	0.0543	P	2.8
5	☐	125.000	126.491	160355.15	0.1316	P	1.7
6	☐	250.000	252.541	326923.90	0.2626	P	0.5
7	☐	500.000	495.232	638025.12	0.5148	P	0.4
8	☐	1000.000	1001.456	1307569.40	1.0409	A	1.4
9	☐			546.32	0.0004	P	29.4

$$y = 0.0010 * x + 1.5352E-004$$

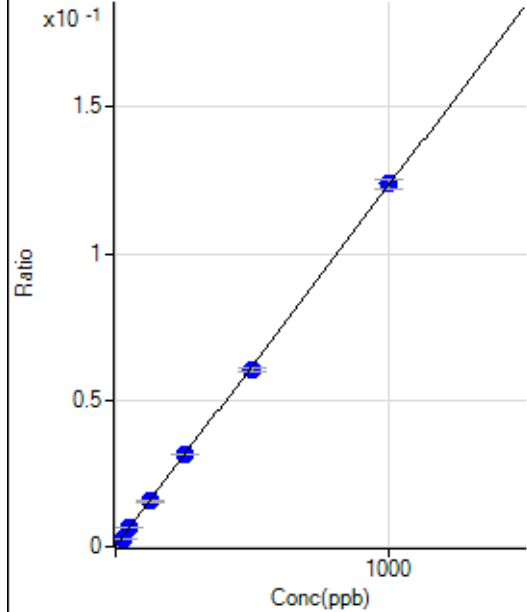
$$R = 1.0000$$

$$DL = 0.1116$$

$$BEC = 0.1477$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	208.34	0.0002	P	29.8
2	☐	2.500					
3	☐	25.000	21.182	3269.95	0.0028	P	5.4
4	☐	50.000	50.811	7671.79	0.0064	P	5.3
5	☐	125.000	124.179	18840.80	0.0155	P	0.9
6	☐	250.000	253.787	39104.35	0.0314	P	0.7
7	☐	500.000	488.389	74711.19	0.0603	P	1.6
8	☐	1000.000	1005.016	155556.99	0.1238	P	2.6
9	☐			5476.27	0.0045	P	13.2

$$y = 1.2304E-004 * x + 1.8501E-004$$

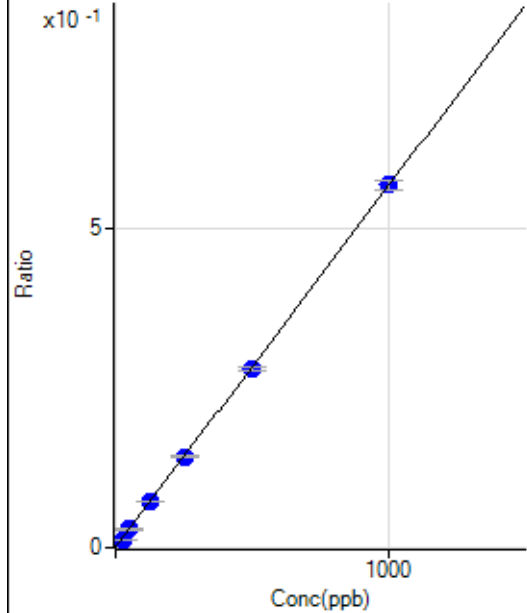
$$R = 0.9999$$

$$DL = 1.343$$

$$BEC = 1.504$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	1097.31	0.0010	P	15.4
2	☐	2.500					
3	☐	25.000	21.182	15239.15	0.0130	P	0.6
4	☐	50.000	49.729	34782.00	0.0292	P	4.0
5	☐	125.000	124.119	86991.99	0.0714	P	0.8
6	☐	250.000	250.052	177848.42	0.1429	P	1.8
7	☐	500.000	494.898	349264.30	0.2818	P	1.7
8	☐	1000.000	1002.757	715889.40	0.5699	P	2.6
9	☐			24733.33	0.0204	P	4.3

$$y = 5.6740\text{E-}004 * x + 9.7324\text{E-}004$$

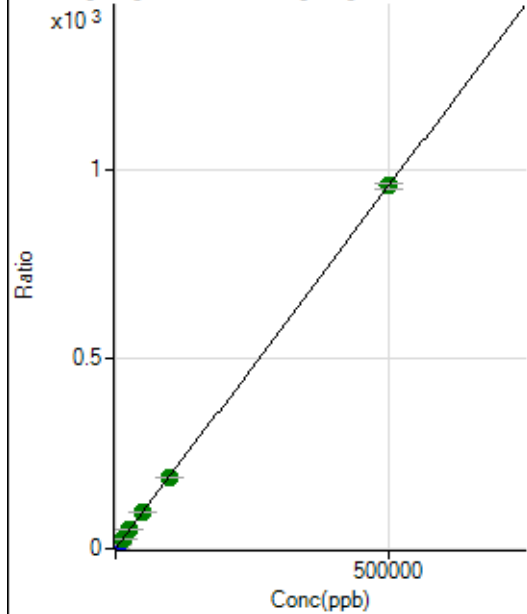
$$R = 1.0000$$

$$DL = 0.7918$$

$$BEC = 1.715$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	17230.51	0.4137	P	4.7
2	☐	50.000					
3	☐	500.000	438.749	55311.08	1.2509	P	2.7
4	☐	5000.000	4918.398	435528.64	9.7995	P	0.5
5	☐	12500.000	12489.997	1104695.06	24.2485	A	1.4
6	☐	25000.000	25054.776	2134245.84	48.2260	A	0.2
7	☐	50000.000	50640.802	4197385.55	97.0521	A	1.0
8	☐	100000.00	97732.795	8268747.93	186.9184	A	1.0
9	☐	500000.00	500387.74	40993968.62	955.3097	A	1.5

$$y = 0.0019 * x + 0.4137$$

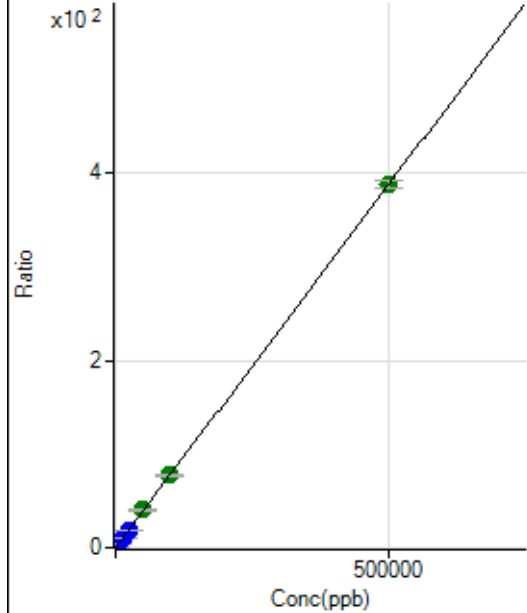
$$R = 1.0000$$

$$DL = 30.64$$

$$BEC = 216.8$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	308.35	0.0074	P	14.0
2	☐	50.000					
3	☐	500.000	433.672	15206.00	0.3437	P	2.1
4	☐	5000.000	5043.535	174137.24	3.9185	P	0.7
5	☐	12500.000	12446.112	440006.39	9.6588	P	1.9
6	☐	25000.000	24886.194	854384.79	19.3056	P	0.2
7	☐	50000.000	51915.644	1741125.71	40.2657	A	1.8
8	☐	100000.00	99413.469	3410693.26	77.0982	A	1.3
9	☐	500000.00	499932.41	16635812.35	387.6833	A	2.1

$$y = 7.7546\text{E-}004 * x + 0.0074$$

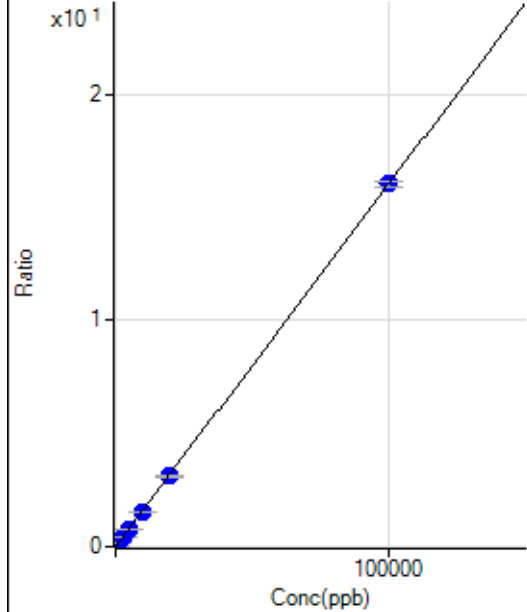
R = 1.0000

DL = 4.005

BEC = 9.56

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	16.67	0.0004	P	4.0
2	☐	2.000					
3	☐	20.000	20.586	163.90	0.0037	P	16.1
4	☐	1000.000	955.769	6815.83	0.1534	P	1.0
5	☐	2500.000	2473.439	18051.04	0.3963	P	2.8
6	☐	5000.000	4883.963	34618.10	0.7821	P	2.2
7	☐	10000.000	9764.983	67623.16	1.5633	P	0.2
8	☐	20000.000	19431.378	137593.18	3.1104	P	1.5
9	☐	100000.00	100144.13	687812.84	16.0284	P	1.3

$$y = 1.6005\text{E-}004 * x + 4.0021\text{E-}004$$

R = 1.0000

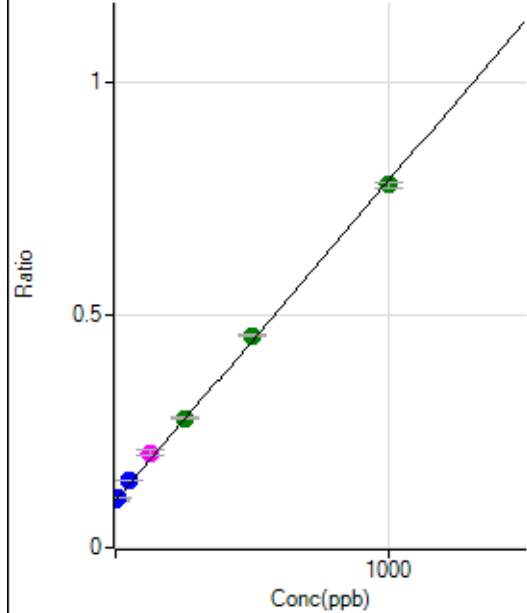
DL = 0.3015

BEC = 2.501

Weight: <None>

Min Conc: 0

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



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	442590.78	0.1011	P	4.0
2	☐	1.000					
3	☐	10.000	9.609	476610.03	0.1077	P	1.9
4	☐	50.000	62.075	654311.94	0.1437	P	1.3
5	☐	125.000	148.384	938358.61	0.2029	M	6.4
6	☐	250.000	257.197	1308696.98	0.2775	A	1.4
7	☐	500.000	515.477	2096871.62	0.4547	A	0.7
8	☐	1000.000	986.939	3609250.30	0.7780	A	1.6
9	☐			457841.72	0.1009	P	0.9

$$y = 6.8585E-004 * x + 0.1011$$

$$R = 0.9996$$

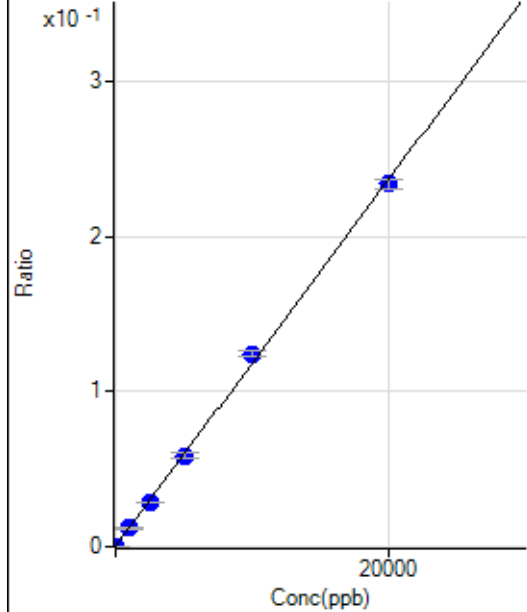
$$DL = 17.82$$

$$BEC = 147.4$$

Weight: <None>

Min Conc: 0

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



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	-10.250	0.00	0.0000	P	
2	☐	0.000					
3	☐	0.000	10.250	11.11	0.0002	P	173.
4	☐	1000.000	993.662	527.81	0.0119	P	7.2
5	☐	2500.000	2412.287	1305.68	0.0287	P	2.4
6	☐	5000.000	4923.991	2583.69	0.0584	P	6.6
7	☐	10000.000	10520.485	5390.18	0.1246	P	3.0
8	☐	20000.000	19770.041	10354.23	0.2340	P	2.4
9	☐			25.00	0.0006	P	32.5

$$y = 1.1831E-005 * x + 1.2127E-004$$

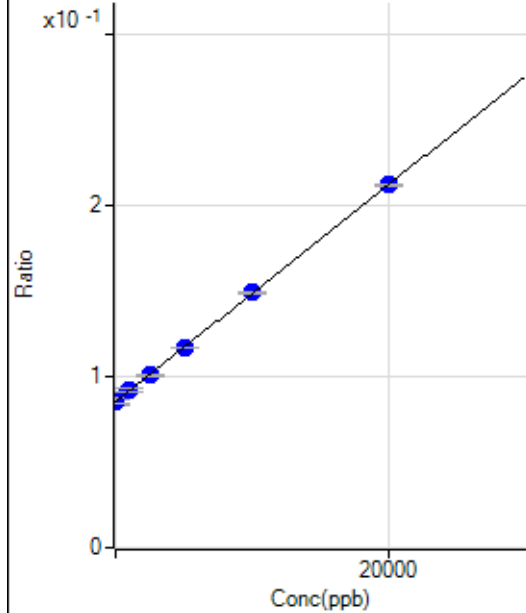
$$R = 0.9995$$

$$DL = 53.26$$

$$BEC = 10.25$$

Weight: <None>

Min Conc: 0

34 S [No Gas] ISTD:45 Sc [No Gas]

	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	-63.289	371735.12	0.0850	P	4.4
2	☐	0.000					
3	☐	0.000	63.289	379312.82	0.0858	P	3.4
4	☐	1000.000	1092.933	420121.91	0.0923	P	2.3
5	☐	2500.000	2476.160	467515.00	0.1011	P	1.0
6	☐	5000.000	4994.150	551927.36	0.1170	P	0.6
7	☐	10000.000	10060.839	688022.04	0.1492	P	0.4
8	☐	20000.000	19969.376	983867.76	0.2121	P	0.7
9	☐			396451.77	0.0874	P	0.4

$$y = 6.3457\text{E-}006 * x + 0.0854$$

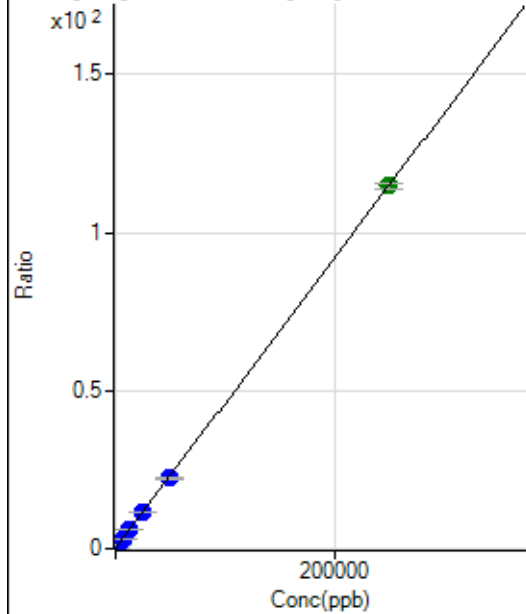
$$R = 1.0000$$

$$DL = 1559$$

$$BEC = 1.345\text{E}+04$$

Weight: <None>

Min Conc: 0

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

	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	3756.22	0.0902	P	4.0
2	☐	50.000					
3	☐	500.000	449.274	13078.76	0.2960	P	3.8
4	☐	2500.000	2559.484	56115.87	1.2625	P	2.4
5	☐	6250.000	6358.316	136792.08	3.0025	P	1.3
6	☐	12500.000	12623.277	259865.86	5.8721	P	0.2
7	☐	25000.000	25280.603	504685.01	11.6696	P	1.1
8	☐	50000.000	48582.269	988357.68	22.3427	P	1.4
9	☐	250000.00	250246.12	4922621.33	114.7122	A	1.9

$$y = 4.5804\text{E-}004 * x + 0.0902$$

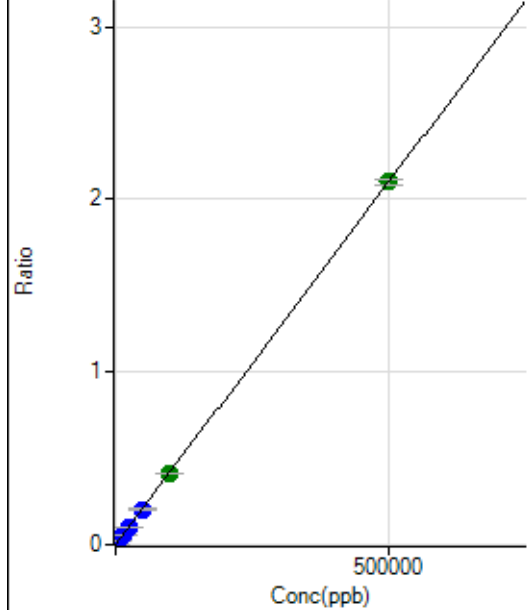
$$R = 1.0000$$

$$DL = 23.84$$

$$BEC = 196.9$$

Weight: <None>

Min Conc: 0

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

	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	1741.86	0.0004	P	6.4
2	☐	50.000					
3	☐	500.000	425.742	9662.11	0.0022	P	4.3
4	☐	5000.000	4867.351	94828.35	0.0208	P	0.5
5	☐	12500.000	12229.039	239218.29	0.0517	P	0.7
6	☐	25000.000	24274.838	482200.71	0.1023	P	0.9
7	☐	50000.000	48958.145	949281.83	0.2058	P	0.9
8	☐	100000.00	97872.649	1907128.73	0.4111	A	1.1
9	☐	500000.00	500574.08	9533981.29	2.1009	A	1.3

$$y = 4.1961\text{E-}006 * x + 3.9779\text{E-}004$$

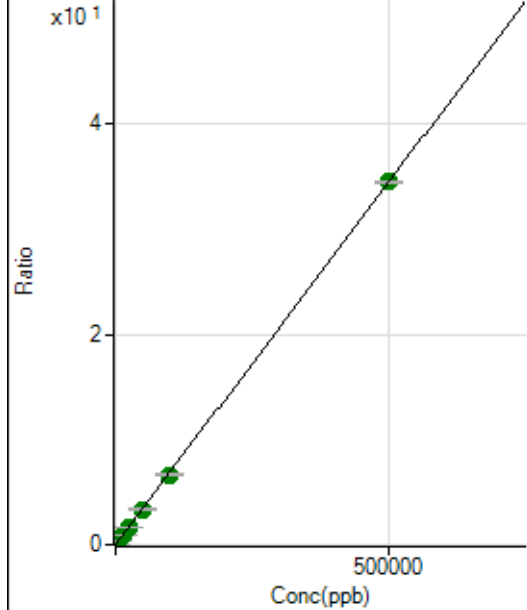
$$R = 1.0000$$

$$DL = 18.22$$

$$BEC = 94.8$$

Weight: <None>

Min Conc: 0

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

	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	38124.82	0.0087	P	5.5
2	☐	50.000					
3	☐	500.000	431.195	169942.32	0.0384	P	1.6
4	☐	5000.000	4968.097	1597558.78	0.3508	A	0.8
5	☐	12500.000	12242.035	3939352.13	0.8516	A	0.8
6	☐	25000.000	24337.834	7942572.75	1.6843	A	0.5
7	☐	50000.000	48862.400	15555374.48	3.3728	A	1.2
8	☐	100000.00	96590.348	30891053.12	6.6588	A	1.4
9	☐	500000.00	500835.63	156527704.8	34.4906	A	0.8

$$y = 6.8849\text{E-}005 * x + 0.0087$$

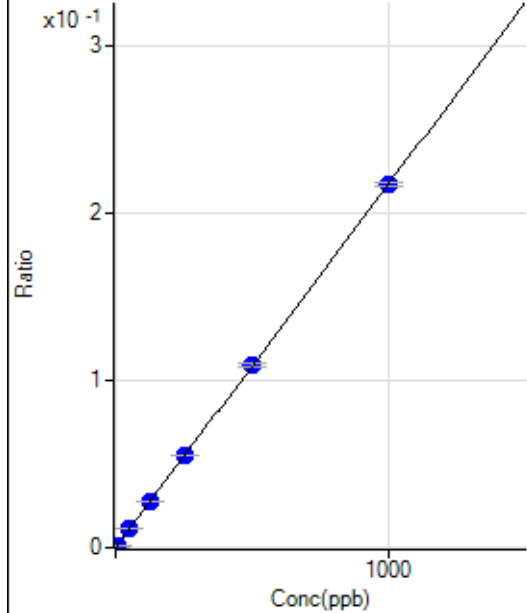
$$R = 1.0000$$

$$DL = 20.83$$

$$BEC = 126.6$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	152.78	0.0000	P	12.0
2	☐	0.500					
3	☐	5.000	4.385	4373.10	0.0010	P	1.5
4	☐	50.000	50.442	50104.50	0.0110	P	0.5
5	☐	125.000	125.452	126335.90	0.0273	P	0.2
6	☐	250.000	251.525	258030.77	0.0547	P	0.3
7	☐	500.000	502.994	504531.14	0.1094	P	1.4
8	☐	1000.000	998.046	1006806.72	0.2170	P	1.2
9	☐			852.85	0.0002	P	16.5

$$y = 2.1741\text{E-}004 * x + 3.4882\text{E-}005$$

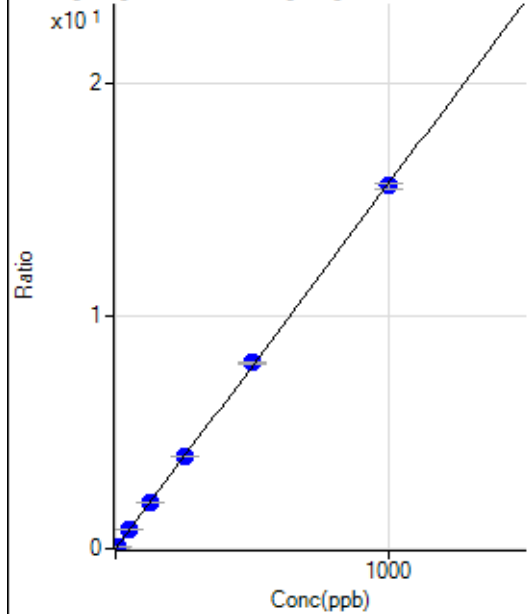
$$R = 1.0000$$

$$DL = 0.0576$$

$$BEC = 0.1604$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	16.67	0.0004	P	4.0
2	☐	0.500					
3	☐	5.000	4.398	3070.39	0.0694	P	5.9
4	☐	50.000	50.399	35177.68	0.7915	P	1.2
5	☐	125.000	126.088	90183.32	1.9796	P	1.6
6	☐	250.000	253.042	175793.61	3.9723	P	1.0
7	☐	500.000	510.495	346545.20	8.0135	P	1.2
8	☐	1000.000	993.839	690109.58	15.6003	P	1.3
9	☐			157.78	0.0037	P	13.4

$$y = 0.0157 * x + 4.0021\text{E-}004$$

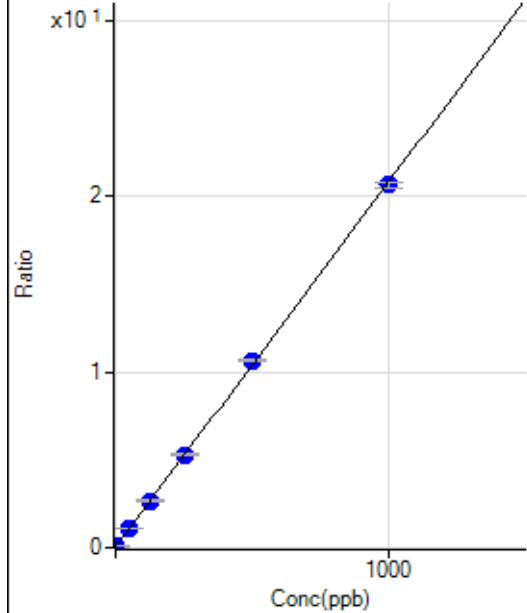
$$R = 0.9999$$

$$DL = 0.003074$$

$$BEC = 0.0255$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	755.59	0.0182	P	9.3
2	☐	0.200					
3	☐	2.000	1.925	2573.62	0.0582	P	0.9
4	☐	50.000	51.044	47968.62	1.0793	P	1.0
5	☐	125.000	127.574	121650.35	2.6703	P	1.5
6	☐	250.000	254.402	234841.97	5.3069	P	0.9
7	☐	500.000	511.917	461006.69	10.6604	P	1.2
8	☐	1000.000	992.567	913583.19	20.6526	P	1.4
9	☐			6896.27	0.1607	P	1.7

$$y = 0.0208 * x + 0.0182$$

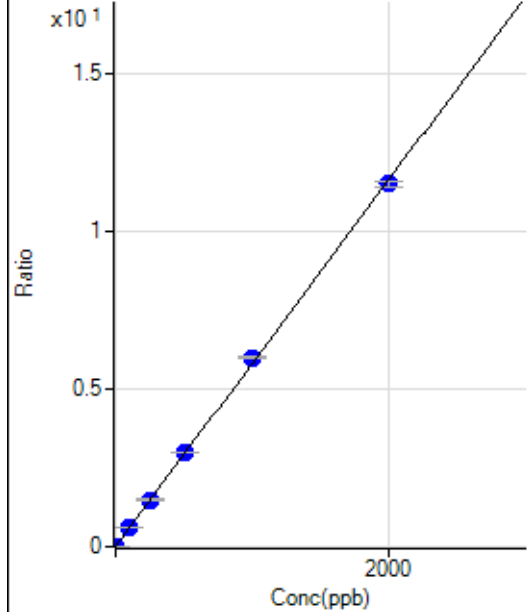
$$R = 0.9999$$

$$DL = 0.2433$$

$$BEC = 0.8737$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	118.89	0.0029	P	24.5
2	☐	0.100					
3	☐	1.000	0.833	341.12	0.0077	P	1.3
4	☐	100.000	103.309	26838.19	0.6038	P	1.0
5	☐	250.000	256.490	68111.75	1.4950	P	1.6
6	☐	500.000	513.112	132216.23	2.9878	P	0.8
7	☐	1000.000	1031.711	259678.23	6.0047	P	1.2
8	☐	2000.000	1979.890	509610.76	11.5205	P	1.6
9	☐			1757.93	0.0410	P	4.5

$$y = 0.0058 * x + 0.0029$$

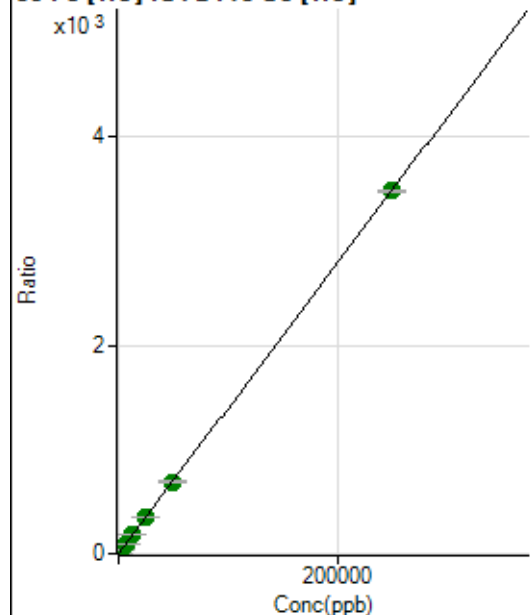
$$R = 0.9998$$

$$DL = 0.362$$

$$BEC = 0.4933$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	2387.31	0.0574	P	9.7
2	☐	5.000					
3	☐	50.000	44.892	30162.78	0.6823	P	2.0
4	☐	2500.000	2595.086	1608098.82	36.1814	A	1.0
5	☐	6250.000	6442.878	4088279.20	89.7432	A	1.8
6	☐	12500.000	12680.936	7814244.68	176.5779	A	0.8
7	☐	25000.000	25625.188	15429352.78	356.7638	A	1.0
8	☐	50000.000	49575.673	30527301.84	690.1582	A	2.2
9	☐	250000.00	250007.52	149350636.6	3,480.199	A	0.5

$$y = 0.0139 * x + 0.0574$$

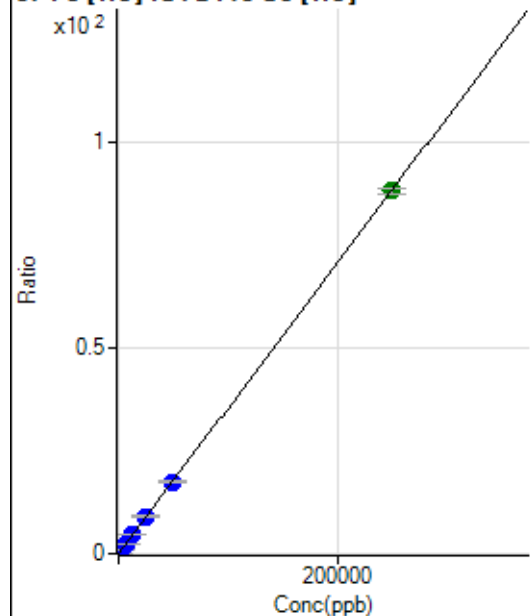
$$R = 1.0000$$

$$DL = 1.2$$

$$BEC = 4.124$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	74.07	0.0018	P	19.4
2	☐	5.000					
3	☐	50.000	42.411	738.93	0.0167	P	9.7
4	☐	2500.000	2602.849	40875.31	0.9197	P	2.0
5	☐	6250.000	6358.122	102235.68	2.2439	P	0.8
6	☐	12500.000	12702.659	198309.13	4.4813	P	0.6
7	☐	25000.000	25792.853	393449.75	9.0975	P	0.9
8	☐	50000.000	49565.378	773252.69	17.4807	P	1.6
9	☐	250000.00	249993.77	3783147.85	88.1606	A	1.5

$$y = 3.5264E-004 * x + 0.0018$$

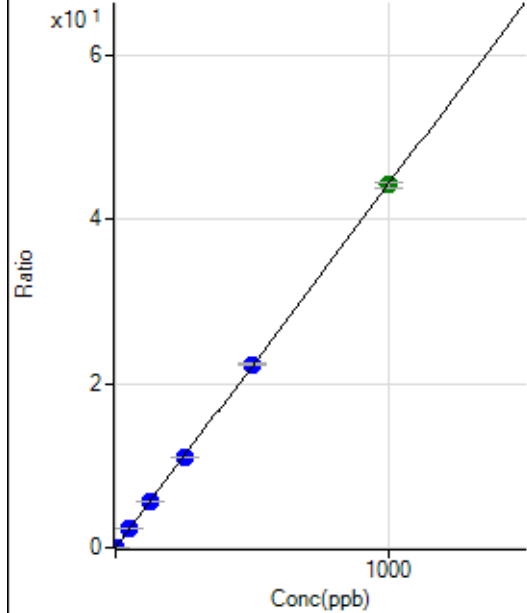
$$R = 1.0000$$

$$DL = 2.933$$

$$BEC = 5.041$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	107.78	0.0026	P	16.2
2	☐	0.100					
3	☐	1.000	0.856	1791.25	0.0405	P	3.3
4	☐	50.000	50.586	99733.66	2.2440	P	0.9
5	☐	125.000	126.148	254759.71	5.5921	P	1.6
6	☐	250.000	249.709	489753.85	11.0670	P	0.6
7	☐	500.000	504.018	965968.92	22.3353	P	0.9
8	☐	1000.000	997.891	1956096.67	44.2185	A	1.5
9	☐			2338.01	0.0545	P	3.0

$$y = 0.0443 * x + 0.0026$$

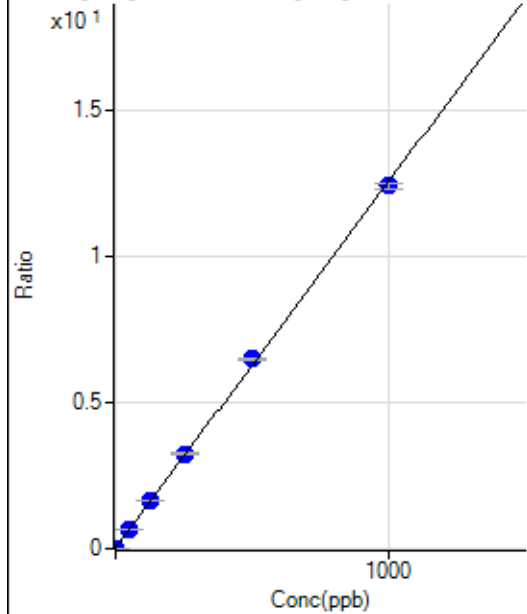
$$R = 1.0000$$

$$DL = 0.02851$$

$$BEC = 0.05859$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	516.69	0.0124	P	7.3
2	☐	0.100					
3	☐	1.000	1.012	1108.96	0.0251	P	9.6
4	☐	50.000	51.492	29198.59	0.6570	P	0.8
5	☐	125.000	129.326	74328.18	1.6314	P	0.8
6	☐	250.000	258.344	143670.10	3.2466	P	0.5
7	☐	500.000	517.455	280715.11	6.4903	P	0.8
8	☐	1000.000	988.571	547998.65	12.3881	P	1.3
9	☐			2183.54	0.0509	P	1.9

$$y = 0.0125 * x + 0.0124$$

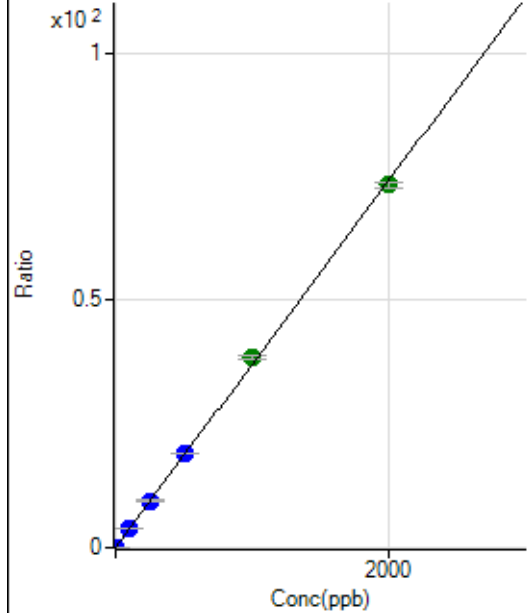
$$R = 0.9997$$

$$DL = 0.216$$

$$BEC = 0.9918$$

Weight: <None>

Min Conc: 0

⁶³Cu [He] ISTD:45 Sc [He]

	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	822.26	0.0197	P	11.2
2	☐	0.200					
3	☐	2.000	2.231	4525.26	0.1024	P	2.7
4	☐	100.000	102.727	170014.65	3.8254	P	0.4
5	☐	250.000	256.283	433422.28	9.5143	P	1.9
6	☐	500.000	510.911	838509.41	18.9476	P	0.5
7	☐	1000.000	1036.607	1661471.15	38.4231	A	1.9
8	☐	2000.000	1978.047	3242392.70	73.3009	A	1.8
9	☐			5938.03	0.1384	P	2.2

$$y = 0.0370 * x + 0.0197$$

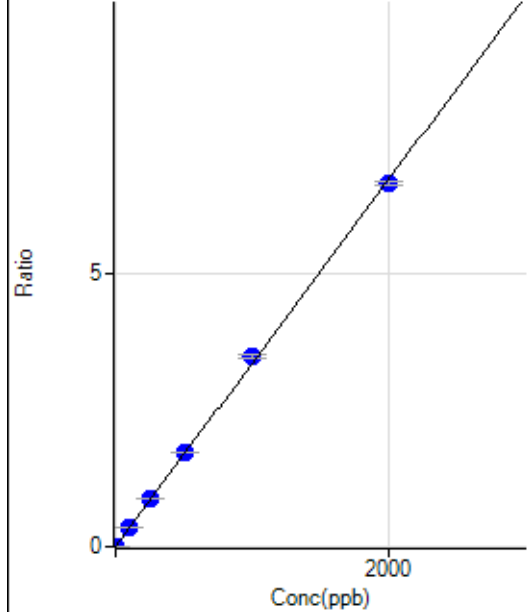
$$R = 0.9997$$

$$DL = 0.1794$$

$$BEC = 0.5318$$

Weight: <None>

Min Conc: 0

⁶⁶Zn [He] ISTD:45 Sc [He]

	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	77.78	0.0019	P	5.9
2	☐	0.200					
3	☐	2.000	1.795	350.01	0.0079	P	5.4
4	☐	100.000	105.406	15867.02	0.3570	P	1.4
5	☐	250.000	259.851	39972.09	0.8774	P	1.2
6	☐	500.000	513.841	76696.20	1.7331	P	1.5
7	☐	1000.000	1034.852	150851.82	3.4885	P	1.6
8	☐	2000.000	1977.613	294836.11	6.6648	P	1.0
9	☐			1254.52	0.0292	P	3.9

$$y = 0.0034 * x + 0.0019$$

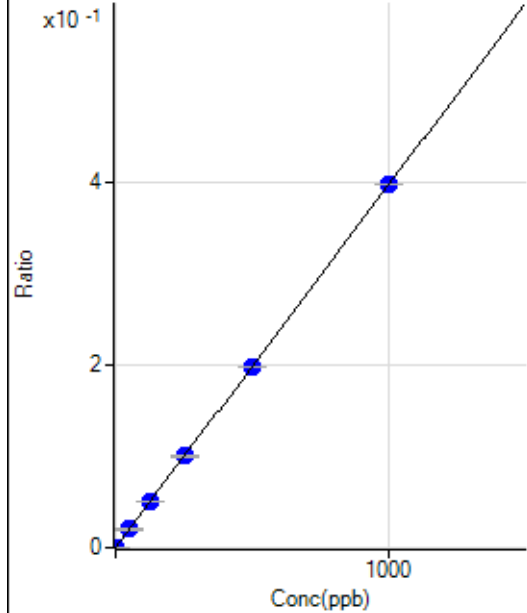
$$R = 0.9997$$

$$DL = 0.09875$$

$$BEC = 0.5545$$

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	4.32	0.0000	P	27.1
2	☐	0.100					
3	☐	1.000	1.040	127.16	0.0004	P	13.3
4	☐	50.000	50.477	6013.08	0.0200	P	1.1
5	☐	125.000	125.418	15205.97	0.0497	P	1.1
6	☐	250.000	252.321	29616.28	0.1000	P	1.5
7	☐	500.000	497.813	57392.60	0.1972	P	0.7
8	☐	1000.000	1000.437	113275.62	0.3963	P	0.2
9	☐			38.89	0.0001	P	25.1

$$y = 3.9612E-004 * x + 1.5439E-005$$

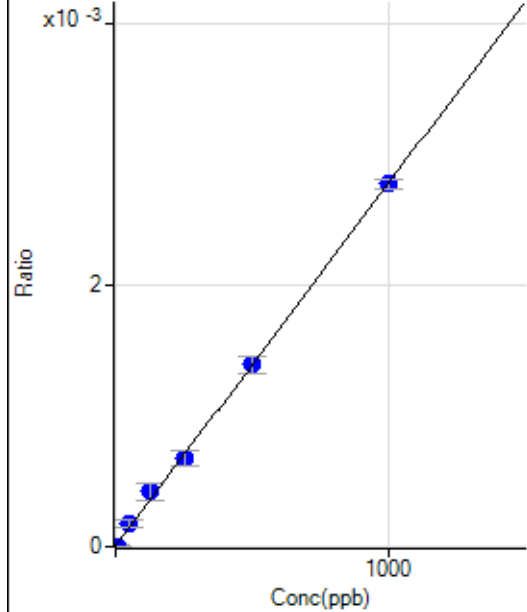
$$R = 1.0000$$

$$DL = 0.03163$$

$$BEC = 0.03897$$

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	☐	0.500					
3	☐	5.000	-0.089	1.11	0.0000	P	173.
4	☐	50.000	61.287	52.22	0.0002	P	32.7
5	☐	125.000	150.592	128.89	0.0004	P	30.6
6	☐	250.000	241.968	200.00	0.0007	P	17.7
7	☐	500.000	499.884	404.46	0.0014	P	9.1
8	☐	1000.000	998.328	792.26	0.0028	P	2.7
9	☐			0.00	0.0000	P	

$$y = 2.7722E-006 * x + 4.0419E-006$$

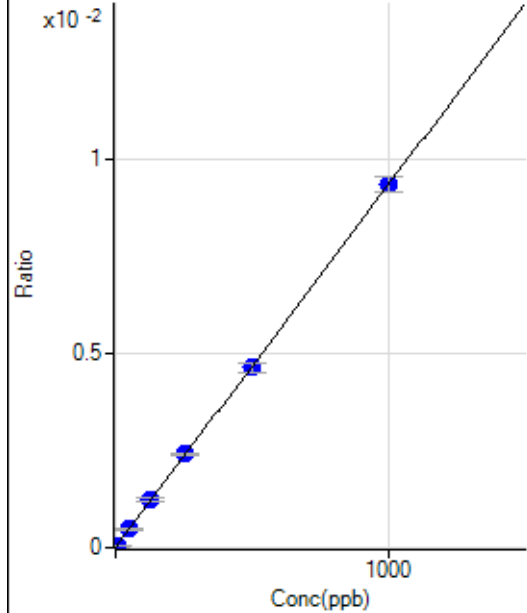
$$R = 0.9995$$

$$DL = 7.576$$

$$BEC = 1.458$$

Weight: <None>

Min Conc: 0

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

	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	1.85	0.0000	P	99.7
2	☐	0.500					
3	☐	5.000	5.509	17.29	0.0001	P	7.3
4	☐	50.000	50.245	143.21	0.0005	P	14.7
5	☐	125.000	130.128	374.08	0.0012	P	8.1
6	☐	250.000	257.122	713.61	0.0024	P	2.4
7	☐	500.000	496.520	1351.32	0.0046	P	5.5
8	☐	1000.000	999.304	2670.66	0.0093	P	4.1
9	☐			3.71	0.0000	P	86.6

$$y = 9.3424\text{E-}006 * x + 6.6988\text{E-}006$$

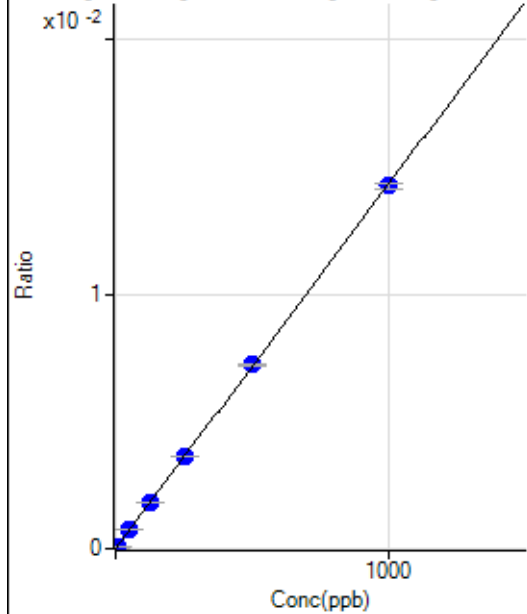
$$R = 1.0000$$

$$DL = 2.145$$

$$BEC = 0.717$$

Weight: <None>

Min Conc: 0

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

	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	-47.87	0.0000	P	-83.
2	☐	0.500					
3	☐	5.000	4.804	520.28	0.0001	P	12.4
4	☐	50.000	51.479	6195.42	0.0007	P	0.4
5	☐	125.000	128.631	15874.28	0.0018	P	0.4
6	☐	250.000	253.609	32215.34	0.0036	P	0.5
7	☐	500.000	506.330	62780.08	0.0072	P	1.0
8	☐	1000.000	995.406	124665.34	0.0143	P	1.5
9	☐			29.34	0.0000	P	207.

$$y = 1.4324\text{E-}005 * x - 6.0414\text{E-}006$$

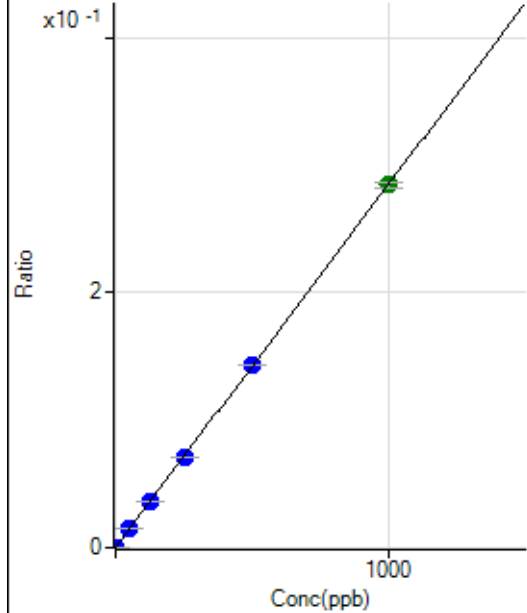
$$R = 1.0000$$

$$DL = 1.053$$

$$BEC = -0.4218$$

Weight: <None>

Min Conc: 0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	975.08	0.0001	P	4.7
2	☐	0.100					
3	☐	1.000	0.892	3114.39	0.0004	P	1.7
4	☐	50.000	50.448	122798.90	0.0145	P	0.6
5	☐	125.000	125.358	309832.74	0.0358	P	1.0
6	☐	250.000	249.741	633203.55	0.0713	P	0.6
7	☐	500.000	502.317	1241283.57	0.1433	P	0.5
8	☐	1000.000	998.839	2490623.86	0.2847	A	1.7
9	☐			84625.87	0.0100	P	2.3

$$y = 2.8496E-004 * x + 1.2078E-004$$

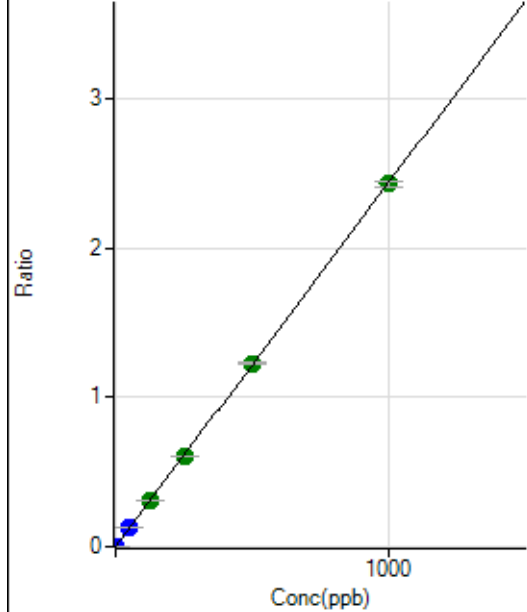
$$R = 1.0000$$

$$DL = 0.05922$$

$$BEC = 0.4239$$

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	211.12	0.0000	P	10.9
2	☐	0.100					
3	☐	1.000	0.957	19562.16	0.0024	P	3.0
4	☐	50.000	51.086	1053898.15	0.1244	P	0.3
5	☐	125.000	128.334	2700935.82	0.3125	A	1.0
6	☐	250.000	250.257	5412197.69	0.6093	A	0.4
7	☐	500.000	504.205	10635132.27	1.2276	A	0.6
8	☐	1000.000	997.362	21239036.76	2.4282	A	1.8
9	☐			734015.30	0.0864	P	0.9

$$y = 0.0024 * x + 2.6115E-005$$

$$R = 1.0000$$

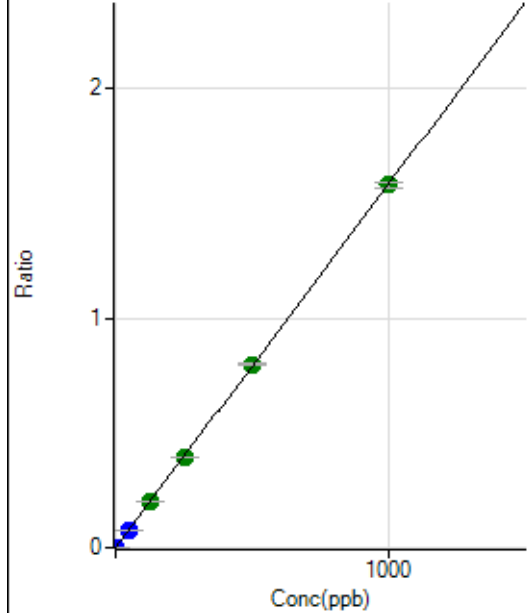
$$DL = 0.003516$$

$$BEC = 0.01073$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	519.48	0.0001	P	6.5
2	☐	0.100					
3	☐	1.000	0.845	11649.91	0.0014	P	1.5
4	☐	50.000	49.426	663059.08	0.0783	P	0.7
5	☐	125.000	127.340	1742267.51	0.2016	A	0.4
6	☐	250.000	249.880	3512800.25	0.3955	A	0.8
7	☐	500.000	503.337	6901223.42	0.7965	A	1.0
8	☐	1000.000	998.098	13814557.43	1.5794	A	1.9
9	☐			3892.41	0.0005	P	8.0

$$y = 0.0016 * x + 6.4293E-005$$

$$R = 1.0000$$

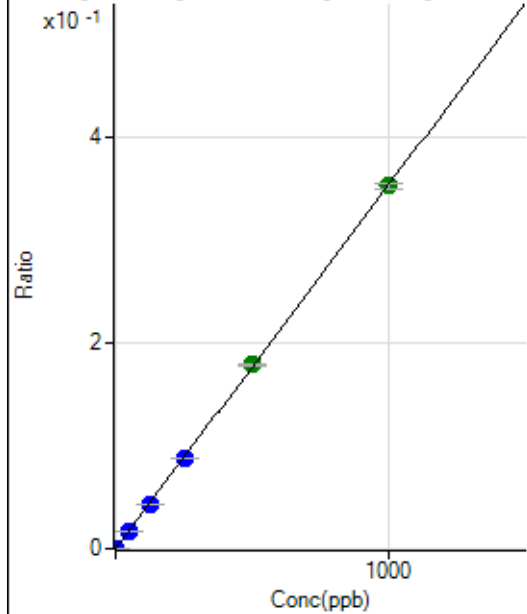
$$DL = 0.007883$$

$$BEC = 0.04063$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	94.45	0.0000	P	18.7
2	☐	0.100					
3	☐	1.000	0.848	2586.48	0.0003	P	4.4
4	☐	50.000	48.834	146337.95	0.0173	P	0.3
5	☐	125.000	123.709	378114.39	0.0437	P	0.8
6	☐	250.000	247.092	775953.04	0.0874	P	0.7
7	☐	500.000	506.395	1551248.82	0.1790	A	1.0
8	☐	1000.000	997.749	3085166.98	0.3527	A	1.5
9	☐			830.61	0.0001	P	14.2

$$y = 3.5350E-004 * x + 1.1638E-005$$

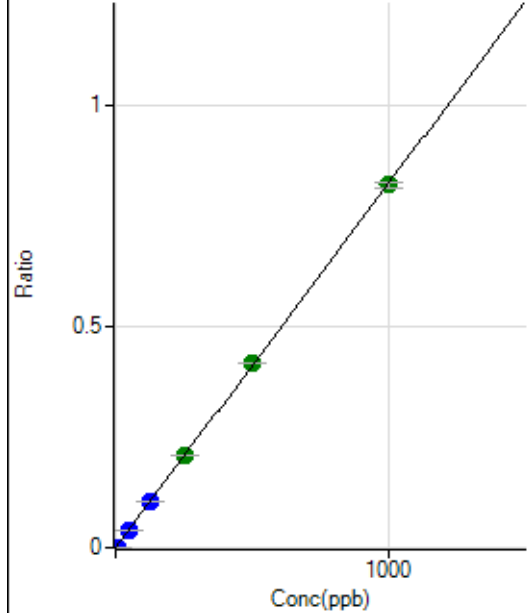
$$R = 1.0000$$

$$DL = 0.01846$$

$$BEC = 0.03292$$

Weight: <None>

Min Conc: 0

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

	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	255.57	0.0000	P	12.9
2	☐	0.500					
3	☐	5.000	1.929	13490.64	0.0016	P	2.9
4	☐	50.000	49.928	349306.26	0.0412	P	0.2
5	☐	125.000	124.873	890998.23	0.1031	P	1.0
6	☐	250.000	251.442	1843285.89	0.2075	A	0.4
7	☐	500.000	506.951	3624535.98	0.4184	A	0.7
8	☐	1000.000	996.199	7190499.47	0.8221	A	1.7
9	☐			4428.70	0.0005	P	3.8

$$y = 8.2517\text{E-}004 * x + 3.1539\text{E-}005$$

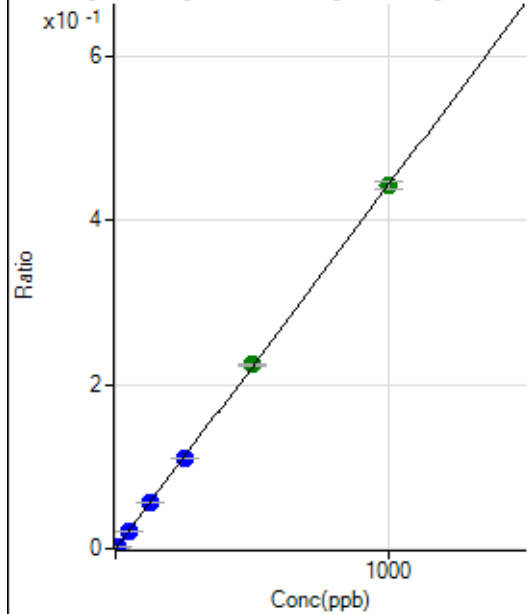
$$R = 1.0000$$

$$DL = 0.01475$$

$$BEC = 0.03822$$

Weight: <None>

Min Conc: 0

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

	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	63.89	0.0000	P	10.6
2	☐	0.500					
3	☐	5.000	4.221	15604.07	0.0019	P	2.6
4	☐	50.000	49.834	187159.81	0.0221	P	0.4
5	☐	125.000	124.975	478780.80	0.0554	P	1.1
6	☐	250.000	247.472	974130.72	0.1097	P	0.8
7	☐	500.000	506.398	1944314.91	0.2244	A	1.3
8	☐	1000.000	997.448	3866003.04	0.4420	A	2.1
9	☐			4814.96	0.0006	P	2.9

$$y = 4.4312\text{E-}004 * x + 7.9279\text{E-}006$$

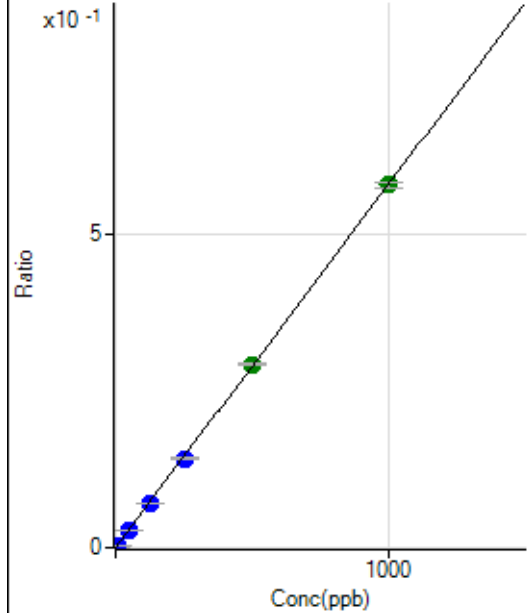
$$R = 1.0000$$

$$DL = 0.005708$$

$$BEC = 0.01789$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	130.56	0.0000	P	28.7
2	☐	0.500					
3	☐	5.000	3.688	17895.81	0.0022	P	1.6
4	☐	50.000	49.552	243314.12	0.0287	P	0.7
5	☐	125.000	123.414	618097.62	0.0715	P	0.3
6	☐	250.000	245.840	1265116.67	0.1424	P	0.7
7	☐	500.000	505.267	2535964.14	0.2927	A	0.9
8	☐	1000.000	998.634	5060140.00	0.5785	A	1.7
9	☐			7255.05	0.0009	P	3.2

$$y = 5.7928\text{E-}004 * x + 1.6285\text{E-}005$$

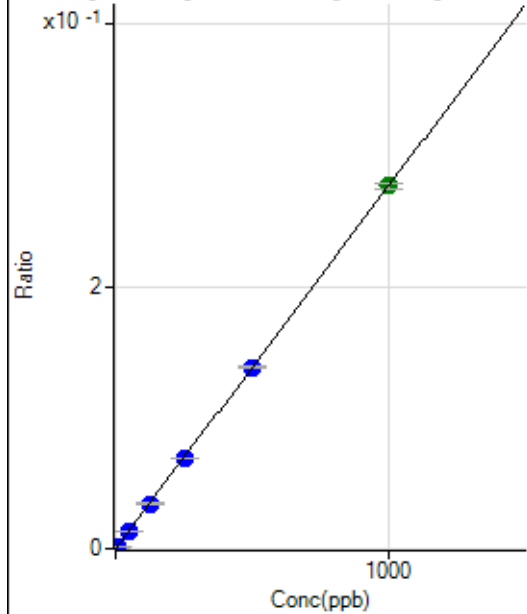
$$R = 1.0000$$

$$DL = 0.02419$$

$$BEC = 0.02811$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	130.56	0.0000	P	32.6
2	☐	0.500					
3	☐	5.000	4.423	10282.21	0.0012	P	3.2
4	☐	50.000	49.712	116511.61	0.0138	P	0.9
5	☐	125.000	124.375	297167.63	0.0344	P	0.6
6	☐	250.000	248.857	610861.57	0.0688	P	0.7
7	☐	500.000	499.764	1196434.43	0.1381	P	0.9
8	☐	1000.000	1000.499	2418022.32	0.2764	A	1.3
9	☐			3278.32	0.0004	P	7.0

$$y = 2.7628\text{E-}004 * x + 1.6048\text{E-}005$$

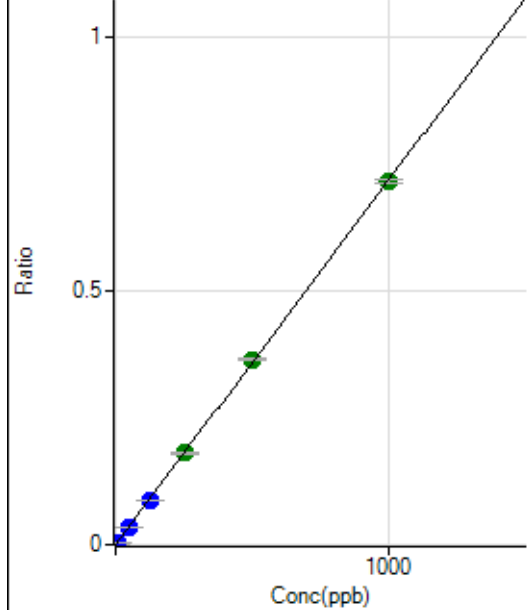
$$R = 1.0000$$

$$DL = 0.05684$$

$$BEC = 0.05808$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	116.67	0.0000	P	17.8
2	☐	0.500					
3	☐	5.000	4.284	25661.37	0.0031	P	2.9
4	☐	50.000	49.668	301922.30	0.0356	P	0.5
5	☐	125.000	123.493	765734.22	0.0886	P	0.6
6	☐	250.000	251.119	1599935.98	0.1801	A	0.6
7	☐	500.000	507.992	3156680.67	0.3644	A	0.8
8	☐	1000.000	995.933	6248372.10	0.7143	A	1.1
9	☐			7588.57	0.0009	P	3.1

$$y = 7.1721\text{E-}004 * x + 1.4376\text{E-}005$$

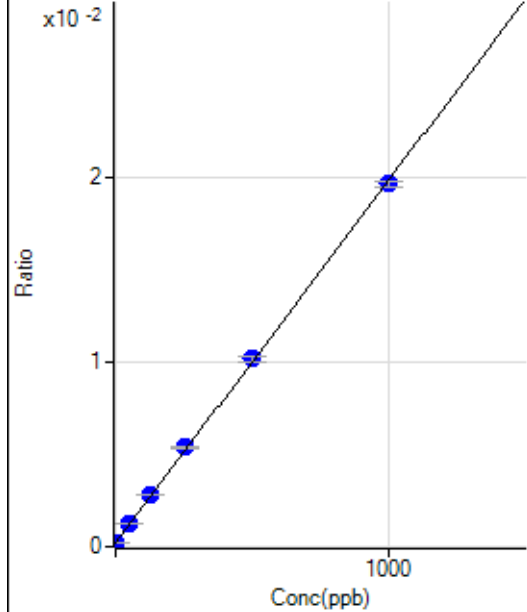
$$R = 0.9999$$

$$DL = 0.0107$$

$$BEC = 0.02004$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	1797.43	0.0002	P	11.4
2	☐	0.100					
3	☐	1.000	1.716	2144.72	0.0002	P	3.3
4	☐	50.000	53.974	12014.17	0.0013	P	2.7
5	☐	125.000	134.221	27865.77	0.0028	P	0.3
6	☐	250.000	263.962	54929.50	0.0054	P	0.8
7	☐	500.000	508.332	104019.03	0.0102	P	2.6
8	☐	1000.000	990.991	207689.62	0.0197	P	1.3
9	☐			2000.24	0.0002	P	4.5

$$y = 1.9632\text{E-}005 * x + 1.9490\text{E-}004$$

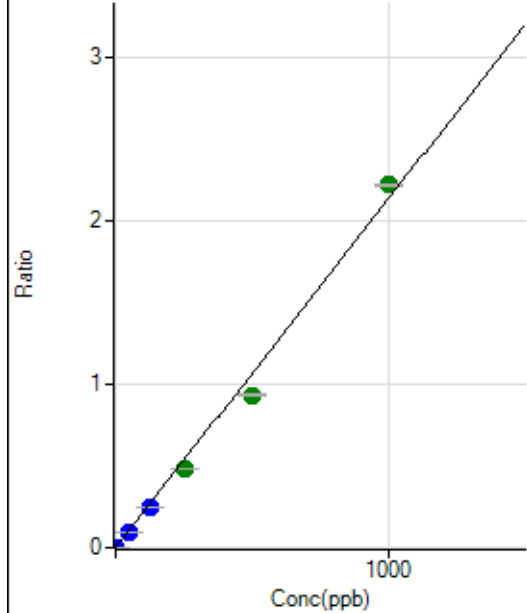
$$R = 0.9998$$

$$DL = 3.396$$

$$BEC = 9.927$$

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	200.01	0.0000	P	17.9
2	☐	0.100					
3	☐	1.000	1.067	21576.31	0.0023	P	0.9
4	☐	50.000	45.744	936016.46	0.0977	P	1.1
5	☐	125.000	113.557	2388827.51	0.2426	P	0.5
6	☐	250.000	224.488	4898210.94	0.4796	A	0.9
7	☐	500.000	436.614	9535577.82	0.9327	A	0.7
8	☐	1000.000	1039.714	23474395.58	2.2210	A	0.8
9	☐			2666.92	0.0003	P	6.7

$$y = 0.0021 * x + 2.1733E-005$$

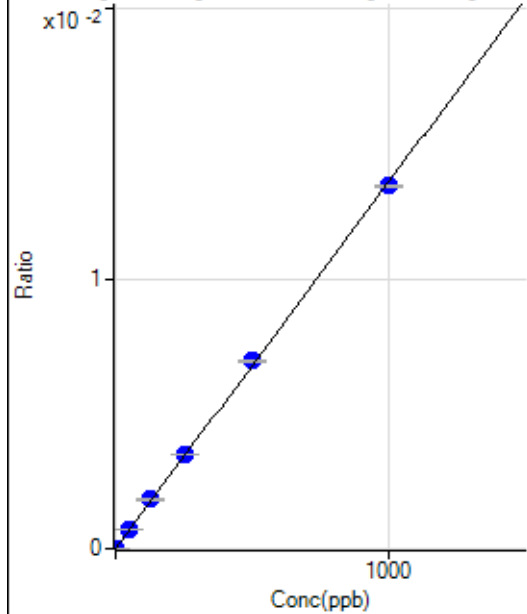
$$R = 0.9968$$

$$DL = 0.005453$$

$$BEC = 0.01017$$

Weight: <None>

Min Conc: 0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	6.95	0.0000	P	65.5
2	☐	0.100					
3	☐	1.000	1.058	141.67	0.0000	P	5.5
4	☐	50.000	54.215	7049.23	0.0007	P	1.4
5	☐	125.000	133.942	17901.06	0.0018	P	0.8
6	☐	250.000	256.657	35569.22	0.0035	P	1.6
7	☐	500.000	513.499	71223.08	0.0070	P	1.2
8	☐	1000.000	990.258	141996.30	0.0134	P	0.4
9	☐			59.72	0.0000	P	11.2

$$y = 1.3566E-005 * x + 7.4218E-007$$

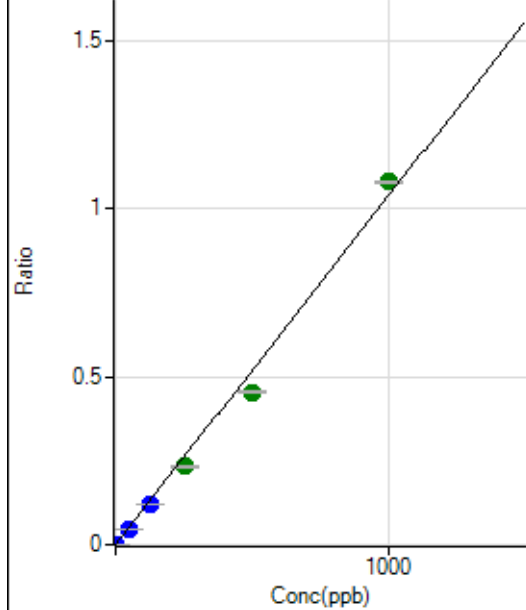
$$R = 0.9998$$

$$DL = 0.1076$$

$$BEC = 0.05471$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	102.78	0.0000	P	37.2
2	☐	0.100					
3	☐	1.000	1.079	10610.21	0.0011	P	3.1
4	☐	50.000	45.916	456450.43	0.0477	P	0.9
5	☐	125.000	113.977	1164791.40	0.1183	P	0.5
6	☐	250.000	224.835	2383217.20	0.2333	A	1.7
7	☐	500.000	436.196	4627928.49	0.4527	A	1.1
8	☐	1000.000	1039.775	11405168.22	1.0791	A	0.8
9	☐			1327.90	0.0001	P	9.6

$$y = 0.0010 * x + 1.1268E-005$$

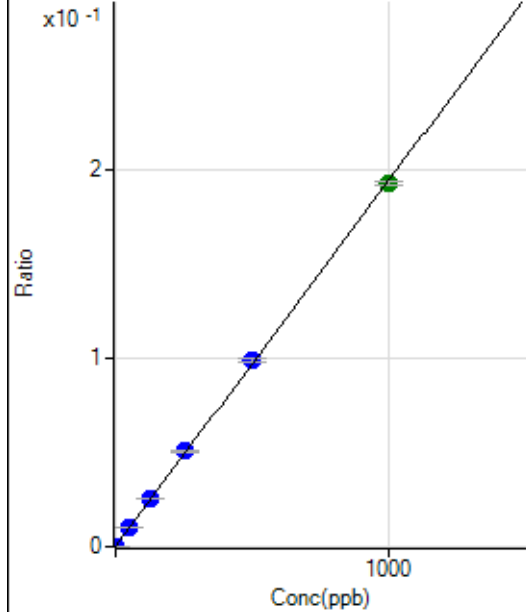
$$R = 0.9968$$

$$DL = 0.01211$$

$$BEC = 0.01086$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	1271.40	0.0001	P	11.5
2	☐	0.100					
3	☐	1.000	0.998	3107.84	0.0003	P	5.4
4	☐	50.000	53.173	99899.96	0.0104	P	0.7
5	☐	125.000	132.121	253195.47	0.0257	P	0.4
6	☐	250.000	259.808	515138.27	0.0504	P	0.7
7	☐	500.000	509.570	1009937.40	0.0988	P	1.5
8	☐	1000.000	991.714	2030532.24	0.1921	A	1.2
9	☐			1691.71	0.0002	P	2.0

$$y = 1.9359E-004 * x + 1.3790E-004$$

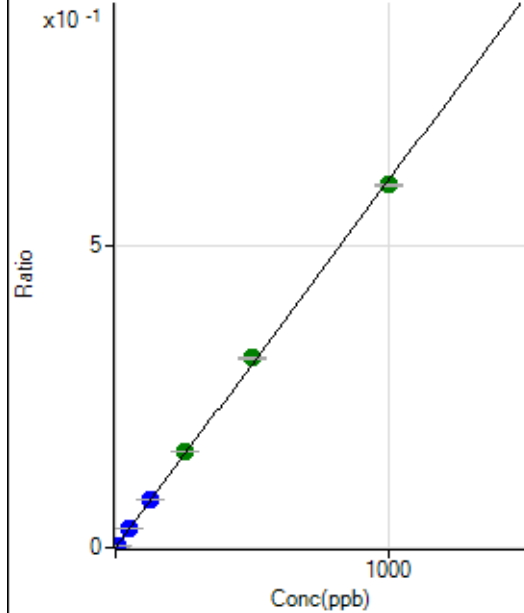
$$R = 0.9999$$

$$DL = 0.2464$$

$$BEC = 0.7124$$

Weight: <None>

Min Conc: 0

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

	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	761.17	0.0001	P	2.7
2	☐	0.500					
3	☐	5.000	4.674	27409.69	0.0029	P	1.4
4	☐	50.000	52.549	306672.42	0.0320	P	0.1
5	☐	125.000	131.004	784799.46	0.0797	P	0.1
6	☐	250.000	260.890	1620412.44	0.1586	A	0.5
7	☐	500.000	516.319	3208794.75	0.3139	A	1.0
8	☐	1000.000	988.242	6349031.17	0.6007	A	0.7
9	☐			5351.49	0.0005	P	6.0

$$y = 6.0777\text{E-}004 * x + 8.2512\text{E-}005$$

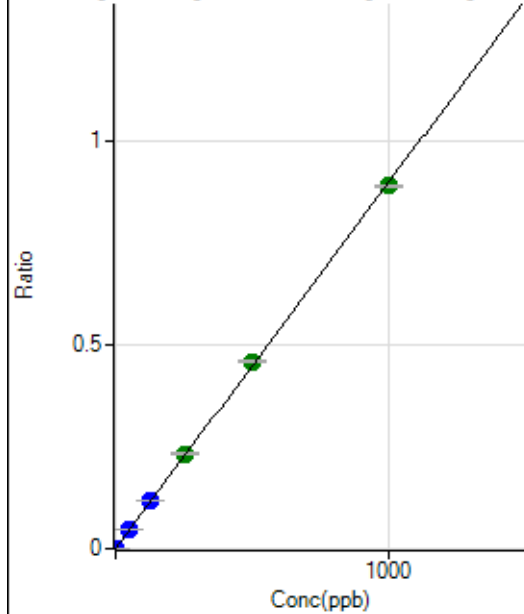
$$R = 0.9997$$

$$DL = 0.0112$$

$$BEC = 0.1358$$

Weight: <None>

Min Conc: 0

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

	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	77.78	0.0000	P	24.2
2	☐	0.200					
3	☐	2.000	1.864	15740.51	0.0017	P	5.4
4	☐	50.000	52.654	452199.69	0.0472	P	0.4
5	☐	125.000	131.252	1158884.04	0.1177	P	0.2
6	☐	250.000	259.986	2380959.06	0.2331	A	1.4
7	☐	500.000	510.487	4679853.49	0.4577	A	0.8
8	☐	1000.000	991.346	9394717.92	0.8889	A	0.5
9	☐			21136.89	0.0020	P	0.6

$$y = 8.9663\text{E-}004 * x + 8.3901\text{E-}006$$

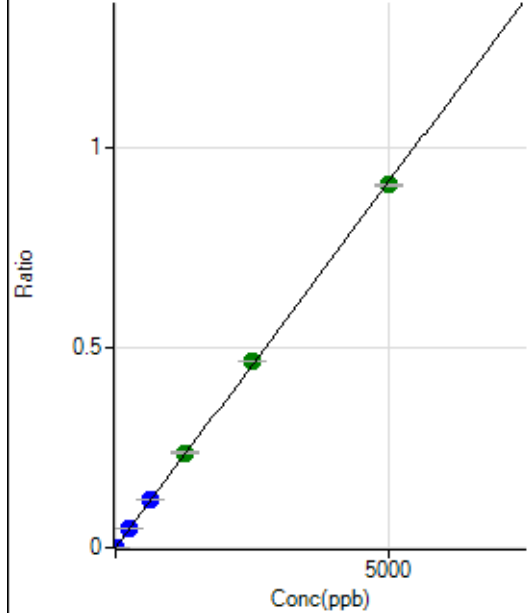
$$R = 0.9999$$

$$DL = 0.006803$$

$$BEC = 0.009357$$

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	50.00	0.0000	P	60.3
2	☐	1.000					
3	☐	10.000	9.209	15876.83	0.0017	P	1.1
4	☐	250.000	261.535	458982.30	0.0479	P	0.3
5	☐	625.000	651.408	1175269.59	0.1194	P	0.9
6	☐	1250.000	1300.777	2434431.96	0.2383	A	0.5
7	☐	2500.000	2542.368	4762621.55	0.4658	A	0.2
8	☐	5000.000	4962.246	9609475.30	0.9092	A	0.8
9	☐			2908.78	0.0003	P	4.1

$$y = 1.8322\text{E-}004 * x + 5.4750\text{E-}006$$

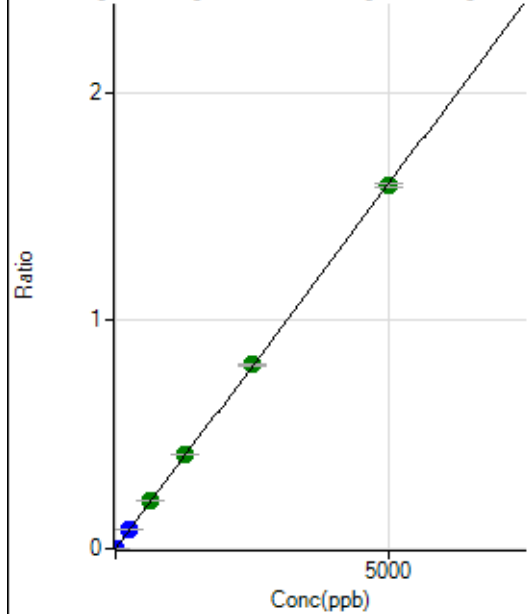
$$R = 0.9999$$

$$DL = 0.05401$$

$$BEC = 0.02988$$

Weight: <None>

Min Conc: 0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	77.78	0.0000	P	7.8
2	☐	1.000					
3	☐	10.000	9.269	27866.41	0.0030	P	2.6
4	☐	250.000	260.459	797905.40	0.0833	P	0.6
5	☐	625.000	656.160	2066714.63	0.2099	A	1.5
6	☐	1250.000	1287.494	4206425.83	0.4118	A	1.0
7	☐	2500.000	2522.946	8251179.61	0.8070	A	1.1
8	☐	5000.000	4974.737	16818437.01	1.5913	A	1.1
9	☐			5476.38	0.0005	P	2.9

$$y = 3.1987\text{E-}004 * x + 8.4074\text{E-}006$$

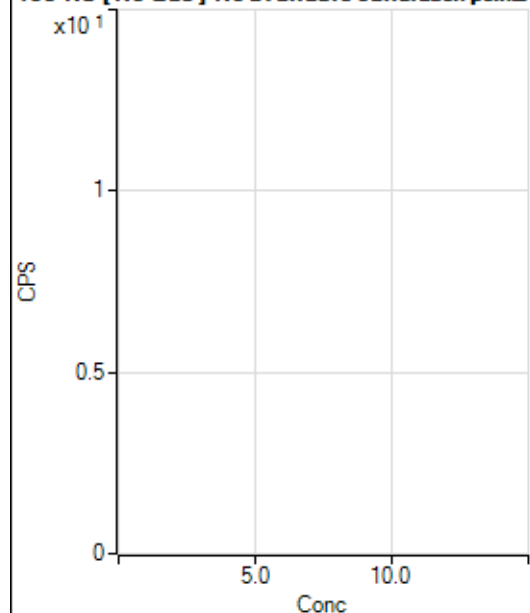
$$R = 0.9999$$

$$DL = 0.006141$$

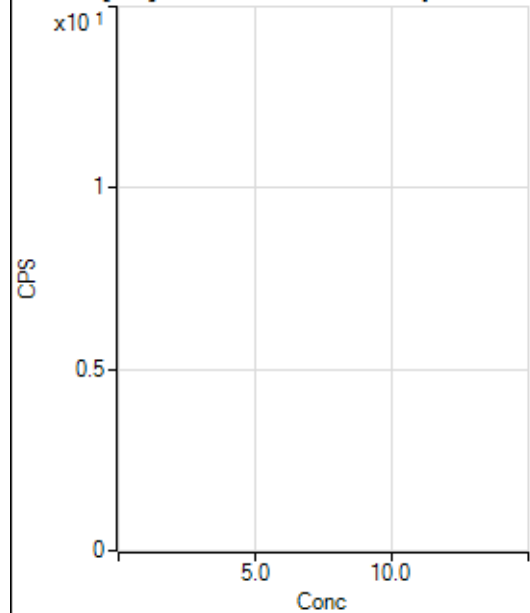
$$BEC = 0.02628$$

Weight: <None>

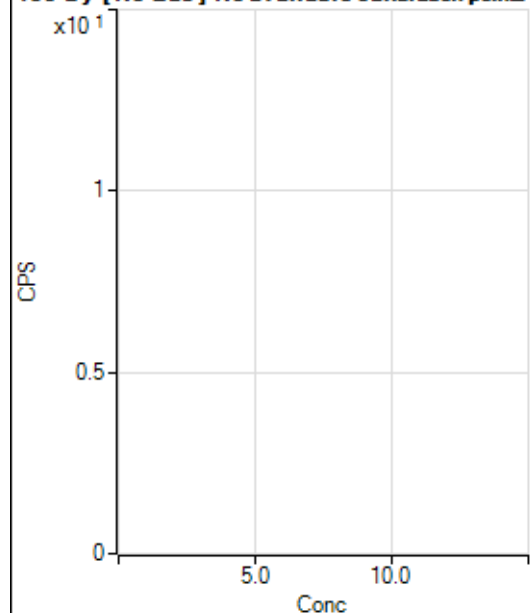
Min Conc: 0

150 Nd [No Gas] No available calibration points

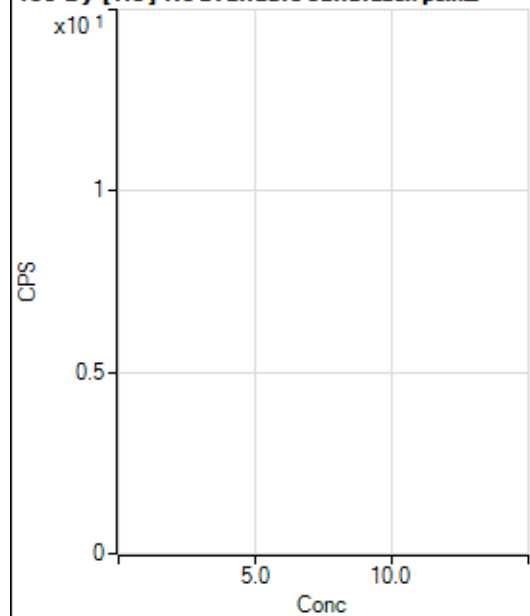
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			13.34		P	86.6
2	☐						
3	☐			11.11		P	34.6
4	☐			37.78		P	27.0
5	☐			66.67		P	20.0
6	☐			100.00		P	6.7
7	☐			124.45		P	12.4
8	☐			322.24		P	33.6
9	☐			73.34		P	50.6

150 Nd [He] No available calibration points

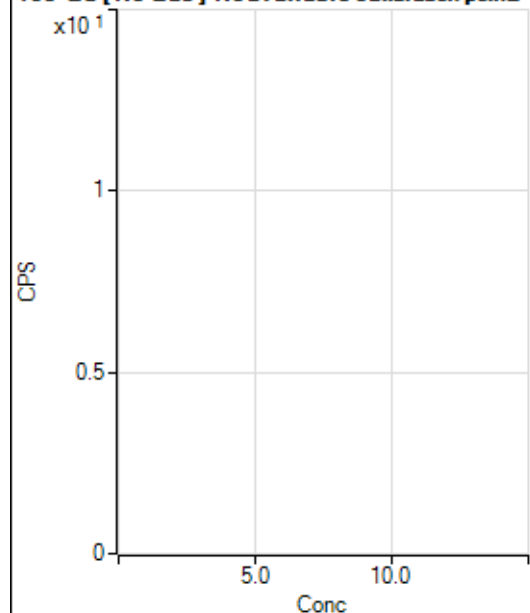
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			0.00		P	
2	☐						
3	☐			1.11		P	173.
4	☐			0.00		P	
5	☐			4.44		P	114.
6	☐			1.11		P	173.
7	☐			3.33		P	173.
8	☐			12.22		P	78.7
9	☐			12.22		P	56.8

156 Dy [No Gas] No available calibration points

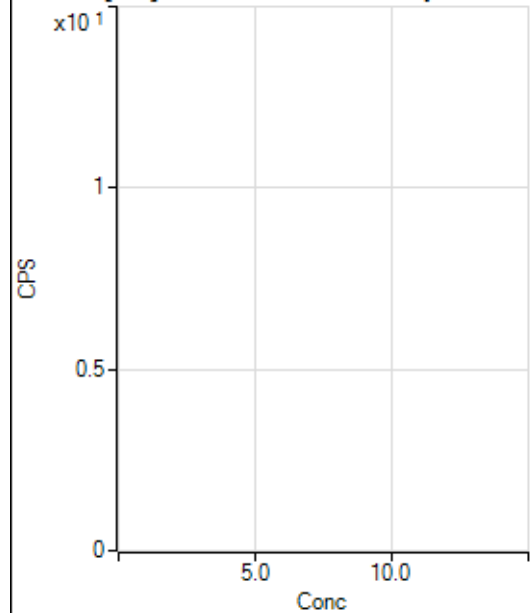
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			8.33		P	0.0
2	☐						
3	☐			16.67		P	50.0
4	☐			22.22		P	114.
5	☐			33.33		P	25.0
6	☐			50.00		P	16.7
7	☐			111.12		P	8.7
8	☐			130.56		P	16.1
9	☐			88.89		P	14.3

156 Dy [He] No available calibration points

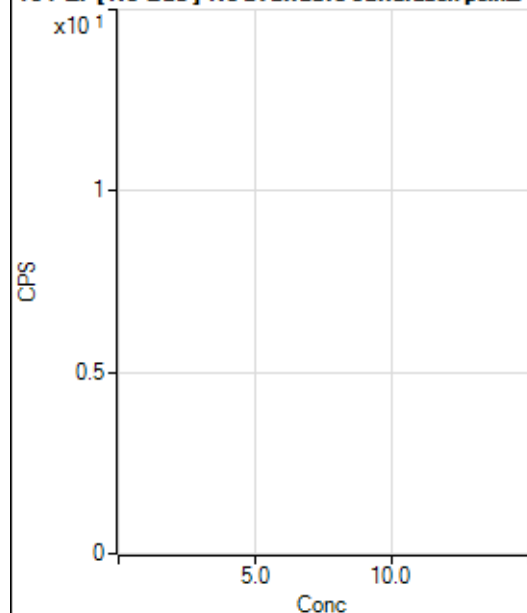
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			1.11		P	173.
2	☐						
3	☐			2.22		P	86.6
4	☐			5.56		P	91.6
5	☐			5.55		P	69.3
6	☐			5.56		P	34.7
7	☐			15.56		P	75.3
8	☐			13.33		P	25.0
9	☐			7.78		P	99.0

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

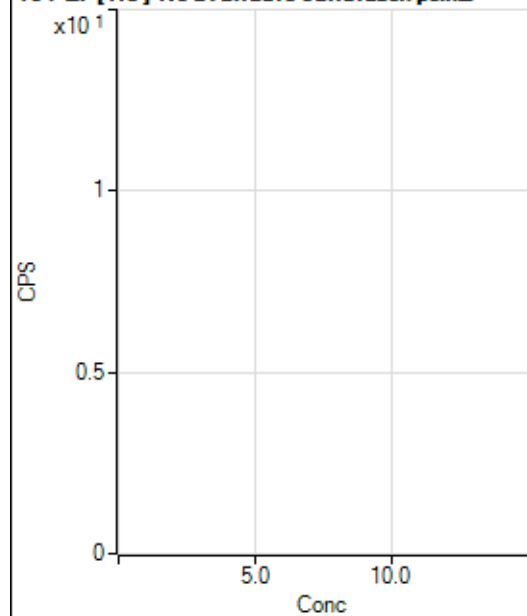
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			75.00		P	29.4
2	☐						
3	☐			83.33		P	17.3
4	☐			77.78		P	27.0
5	☐			105.56		P	18.2
6	☐			105.56		P	31.9
7	☐			163.90		P	7.8
8	☐			147.23		P	16.3
9	☐			111.12		P	28.4

160 Gd [He] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			16.67		P	52.9
2	☐						
3	☐			6.67		P	86.6
4	☐			14.44		P	35.3
5	☐			13.33		P	90.2
6	☐			16.67		P	52.9
7	☐			21.11		P	50.8
8	☐			25.55		P	27.1
9	☐			26.67		P	12.5

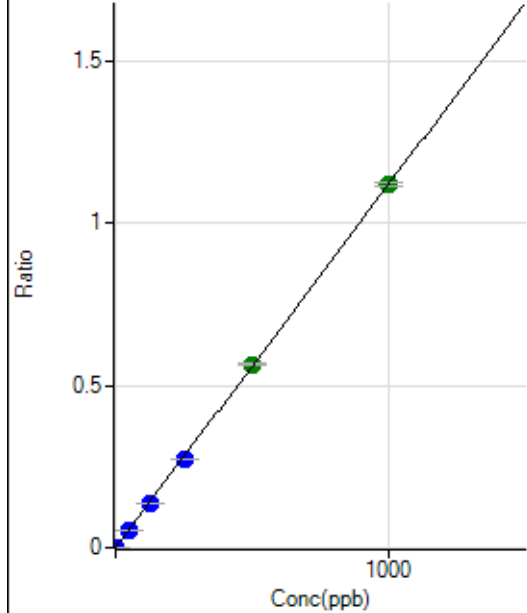
164 Er [No Gas] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			27.78		P	17.3
2	☐						
3	☐			61.11		P	28.4
4	☐			41.67		P	20.0
5	☐			38.89		P	65.5
6	☐			47.23		P	56.7
7	☐			58.34		P	14.3
8	☐			50.00		P	50.0
9	☐			72.23		P	37.1

164 Er [He] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			0.00		P	
2	☐						
3	☐			5.56		P	91.6
4	☐			4.45		P	86.6
5	☐			13.33		P	50.0
6	☐			7.78		P	49.5
7	☐			10.00		P	0.0
8	☐			13.33		P	25.0
9	☐			6.67		P	50.0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	177.79	0.0000	P	5.4
2	☐	0.100					
3	☐	1.000	0.918	5576.45	0.0011	P	2.2
4	☐	50.000	49.132	298538.25	0.0549	P	0.6
5	☐	125.000	121.646	765221.25	0.1360	P	1.2
6	☐	250.000	244.977	1581361.03	0.2738	P	0.7
7	☐	500.000	505.072	3258204.15	0.5644	A	0.7
8	☐	1000.000	999.182	6648613.69	1.1166	A	1.0
9	☐			2508.71	0.0004	P	2.0

$$y = 0.0011 * x + 3.3410E-005$$

$$R = 1.0000$$

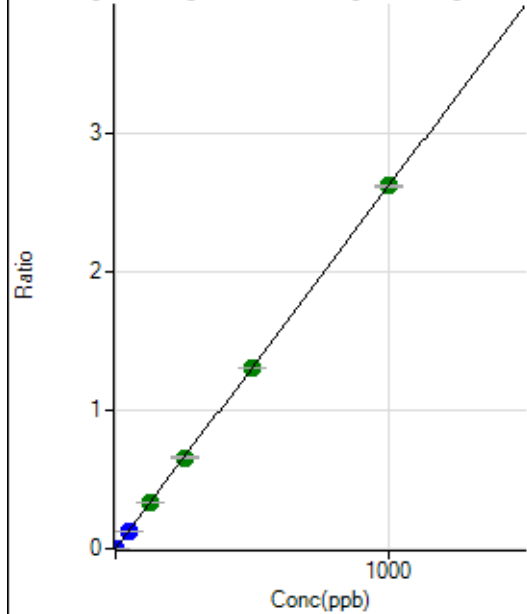
$$DL = 0.004804$$

$$BEC = 0.0299$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	433.36	0.0001	P	10.2
2	☐	0.100					
3	☐	1.000	0.909	12973.87	0.0025	P	1.9
4	☐	50.000	49.824	710307.92	0.1307	P	0.4
5	☐	125.000	125.410	1851115.32	0.3289	A	1.2
6	☐	250.000	250.781	3798271.48	0.6576	A	1.2
7	☐	500.000	498.126	7539840.01	1.3062	A	0.5
8	☐	1000.000	1000.699	15623544.79	2.6239	A	0.7
9	☐			5779.38	0.0010	P	7.0

$$y = 0.0026 * x + 8.1486E-005$$

$$R = 1.0000$$

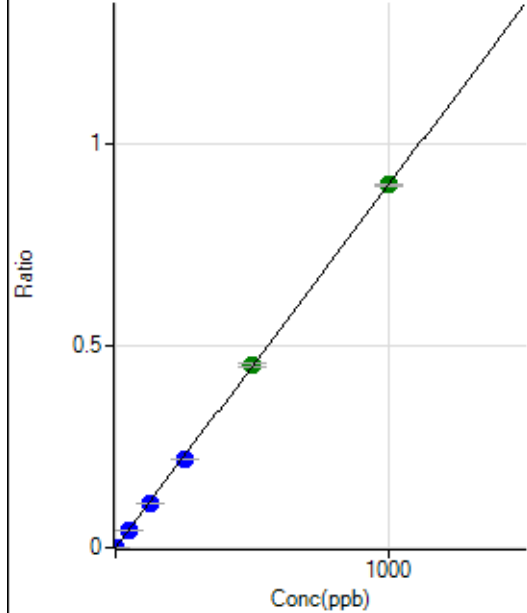
$$DL = 0.009555$$

$$BEC = 0.03108$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	572.25	0.0001	P	14.3
2	☐	0.100					
3	☐	1.000	1.197	6242.47	0.0012	P	3.1
4	☐	50.000	48.917	239902.38	0.0441	P	0.3
5	☐	125.000	121.963	618589.42	0.1099	P	1.1
6	☐	250.000	244.769	1273399.47	0.2205	P	0.7
7	☐	500.000	503.205	2615554.20	0.4531	A	2.0
8	☐	1000.000	1000.139	5362104.64	0.9005	A	0.8
9	☐			8775.52	0.0015	P	2.1

$$y = 9.0028\text{E-}004 * x + 1.0791\text{E-}004$$

$$R = 1.0000$$

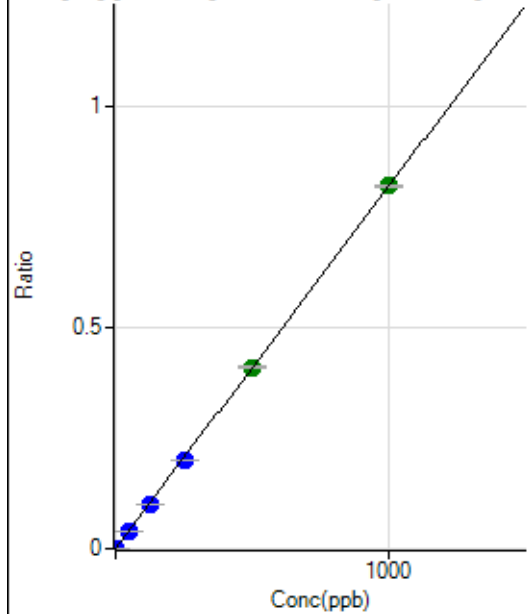
$$DL = 0.05135$$

$$BEC = 0.1199$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	524.10	0.0001	P	9.2
2	☐	0.100					
3	☐	1.000	1.128	5388.33	0.0010	P	2.9
4	☐	50.000	48.660	217179.96	0.0400	P	0.4
5	☐	125.000	120.606	556682.77	0.0989	P	1.2
6	☐	250.000	243.351	1152234.47	0.1995	P	0.6
7	☐	500.000	500.856	2369567.24	0.4105	A	0.4
8	☐	1000.000	1001.851	4888422.80	0.8210	A	0.8
9	☐			7539.54	0.0013	P	2.4

$$y = 8.1935\text{E-}004 * x + 9.8792\text{E-}005$$

$$R = 1.0000$$

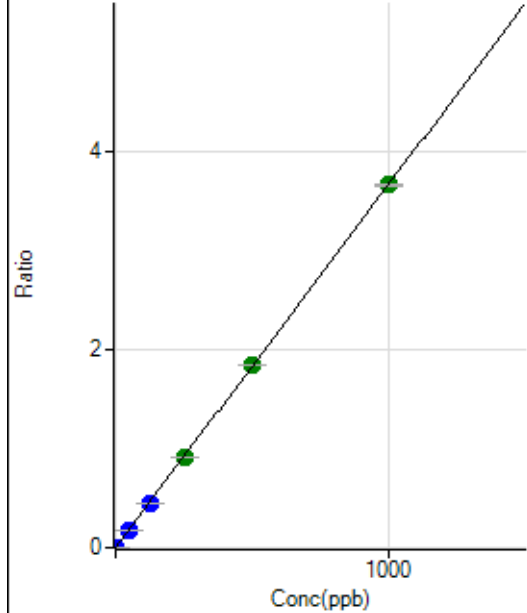
$$DL = 0.0332$$

$$BEC = 0.1206$$

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	2376.09	0.0004	P	6.3
2	☐	0.100					
3	☐	1.000	1.164	24780.59	0.0047	P	1.8
4	☐	50.000	49.011	976466.31	0.1797	P	0.2
5	☐	125.000	122.027	2514235.85	0.4467	P	0.7
6	☐	250.000	248.422	5250483.33	0.9090	A	0.4
7	☐	500.000	503.028	10622735.28	1.8402	A	0.9
8	☐	1000.000	999.302	21765289.84	3.6553	A	0.7
9	☐			34808.68	0.0060	P	1.3

$$y = 0.0037 * x + 4.4680E-004$$

$$R = 1.0000$$

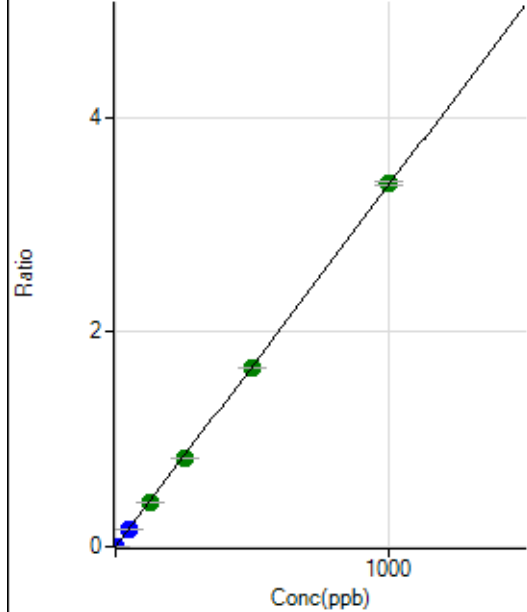
$$DL = 0.02319$$

$$BEC = 0.1222$$

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	155.56	0.0000	P	18.7
2	☐	0.100					
3	☐	1.000	0.870	15568.73	0.0030	P	1.1
4	☐	50.000	48.257	881983.00	0.1623	P	0.7
5	☐	125.000	122.257	2313711.29	0.4111	A	0.1
6	☐	250.000	244.405	4746738.43	0.8218	A	0.8
7	☐	500.000	494.875	9605828.17	1.6640	A	0.9
8	☐	1000.000	1004.392	20110141.42	3.3773	A	1.0
9	☐			1714.10	0.0003	P	13.3

$$y = 0.0034 * x + 2.9417E-005$$

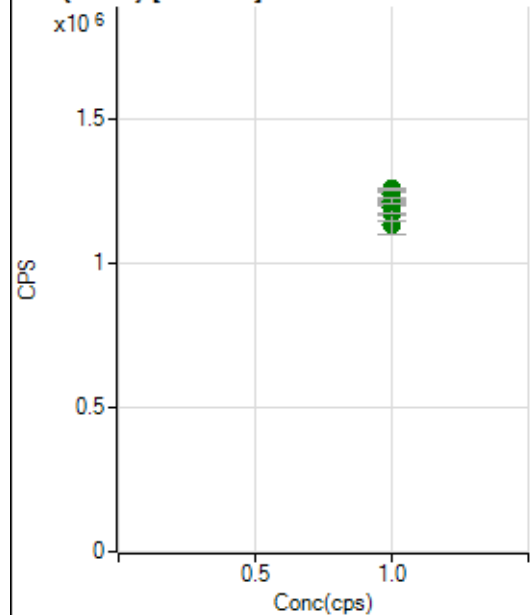
$$R = 1.0000$$

$$DL = 0.004913$$

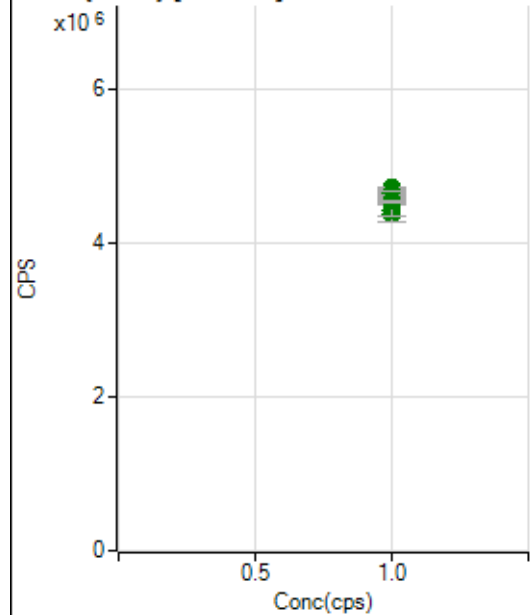
$$BEC = 0.008749$$

Weight: <None>

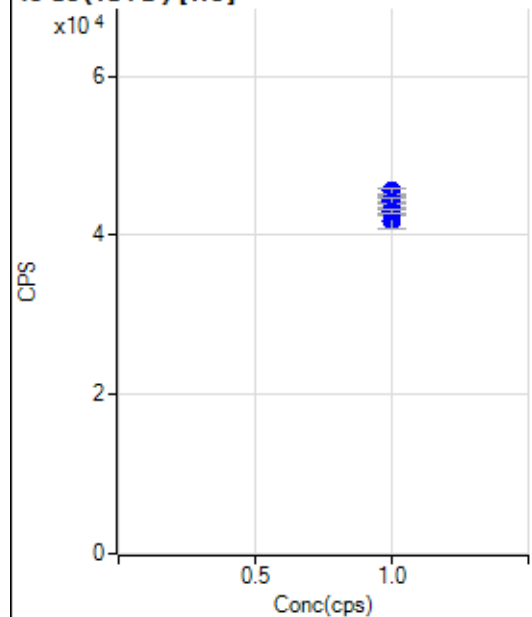
Min Conc: 0

6 Li (ISTD) [No Gas]

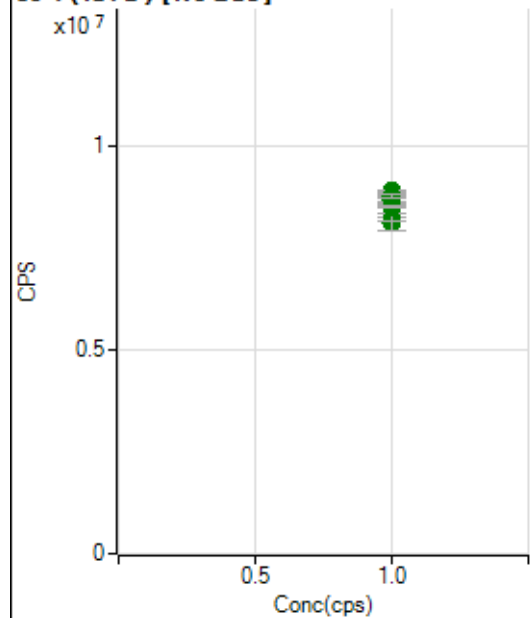
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		1132213.45		A	5.9
2	☐	1.000					
3	☐	1.000		1173183.31		A	4.2
4	☐	1.000		1192591.96		A	3.3
5	☐	1.000		1218378.49		A	0.5
6	☐	1.000		1244940.35		A	0.4
7	☐	1.000		1239365.68		A	1.9
8	☐	1.000		1256274.98		A	0.8
9	☐	1.000		1213526.72		A	1.5

45 Sc (ISTD) [No Gas]

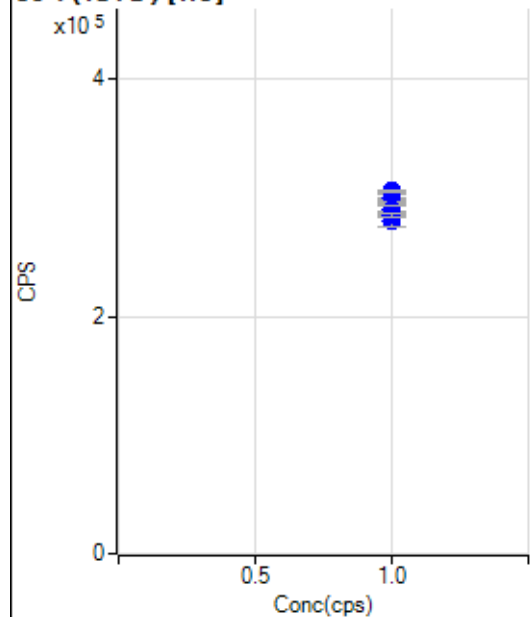
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		4382287.60		A	5.1
2	☐	1.000					
3	☐	1.000		4426474.41		A	3.3
4	☐	1.000		4553988.99		A	2.5
5	☐	1.000		4625963.21		A	0.8
6	☐	1.000		4715495.20		A	0.3
7	☐	1.000		4611660.65		A	1.1
8	☐	1.000		4639510.09		A	1.0
9	☐	1.000		4538455.18		A	0.9

45 Sc (ISTD) [He]

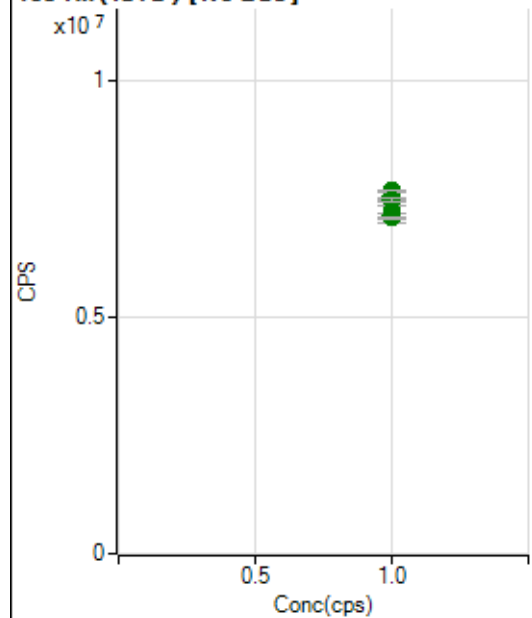
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		41698.66		P	4.1
2	☐	1.000					
3	☐	1.000		44221.86		P	3.2
4	☐	1.000		44442.38		P	1.0
5	☐	1.000		45564.84		P	1.7
6	☐	1.000		44255.17		P	1.5
7	☐	1.000		43255.49		P	2.9
8	☐	1.000		44241.73		P	1.5
9	☐	1.000		42915.55		P	0.9

89 Y (ISTD) [No Gas]

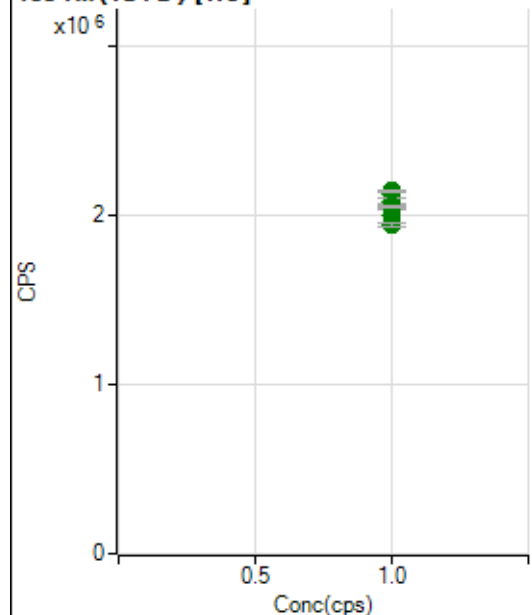
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		8079616.48		A	4.2
2	☐	1.000					
3	☐	1.000		8311194.11		A	3.5
4	☐	1.000		8471835.22		A	3.0
5	☐	1.000		8643632.30		A	1.2
6	☐	1.000		8882723.34		A	0.6
7	☐	1.000		8664326.19		A	2.2
8	☐	1.000		8747949.45		A	1.1
9	☐	1.000		8498182.17		A	0.8

89 Y(ISTD) [He]

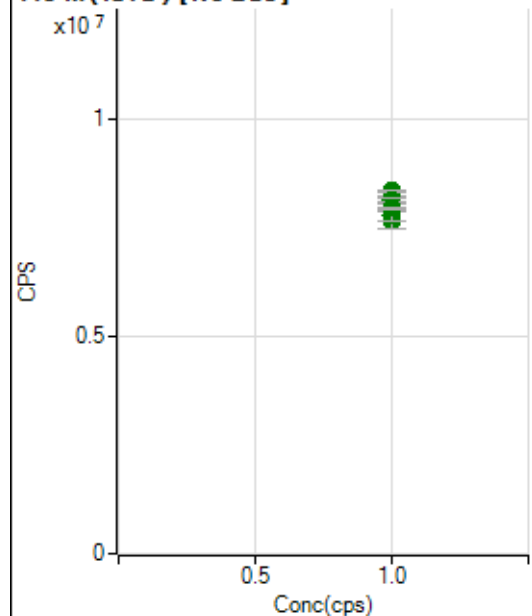
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		280895.79		P	3.2
2	☐	1.000					
3	☐	1.000		297383.81		P	2.3
4	☐	1.000		300467.44		P	1.5
5	☐	1.000		305972.62		P	0.5
6	☐	1.000		296257.83		P	0.4
7	☐	1.000		291045.69		P	1.8
8	☐	1.000		285827.34		P	0.4
9	☐	1.000		285797.74		P	1.3

103 Rh(ISTD) [No Gas]

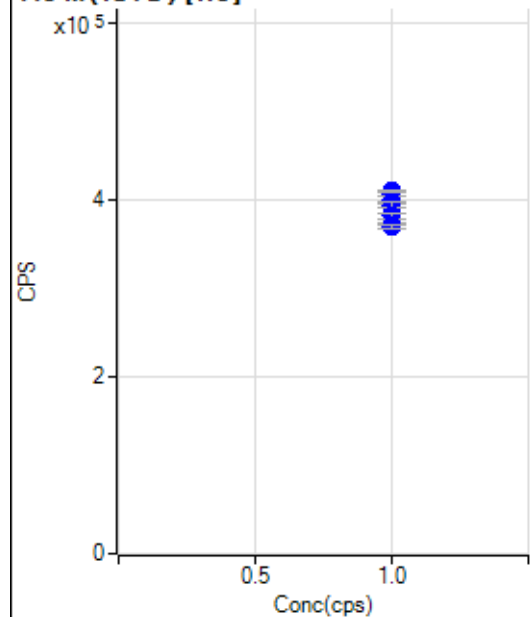
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		7166263.44		A	5.2
2	☐	1.000					
3	☐	1.000		7344352.94		A	3.8
4	☐	1.000		7495572.39		A	3.5
5	☐	1.000		7562909.28		A	1.6
6	☐	1.000		7669214.75		A	0.2
7	☐	1.000		7481457.46		A	1.6
8	☐	1.000		7462045.57		A	1.1
9	☐	1.000		7099525.42		A	0.6

103 Rh (ISTD) [He]

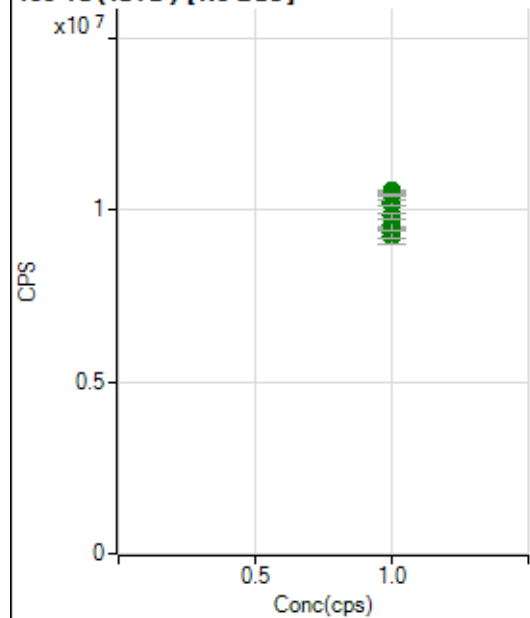
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		2001666.93		A	4.3
2	☐	1.000					
3	☐	1.000		2104854.12		A	3.2
4	☐	1.000		2121351.69		A	1.7
5	☐	1.000		2145995.33		A	0.8
6	☐	1.000		2086484.93		A	1.2
7	☐	1.000		2055918.42		A	1.7
8	☐	1.000		2048362.50		A	0.6
9	☐	1.000		1949546.50		A	1.2

115 In (ISTD) [No Gas]

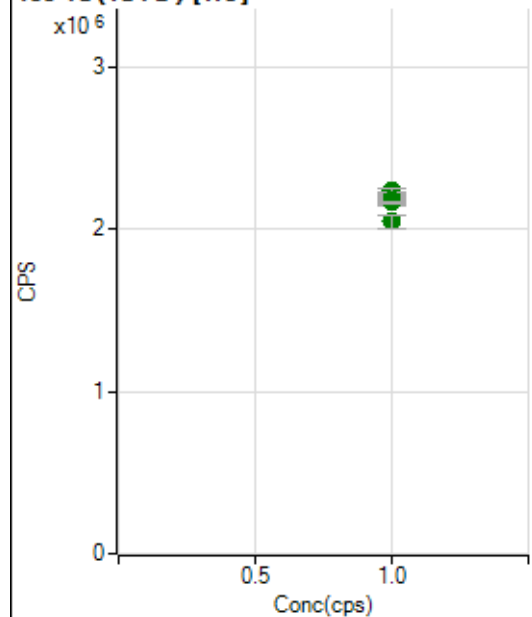
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		7673265.33		A	5.2
2	☐	1.000					
3	☐	1.000		7784649.13		A	2.9
4	☐	1.000		7981044.62		A	2.8
5	☐	1.000		8164789.19		A	1.6
6	☐	1.000		8355788.42		A	0.8
7	☐	1.000		8152566.97		A	1.8
8	☐	1.000		8144812.54		A	0.9
9	☐	1.000		7956185.57		A	0.7

115 In (ISTD) [He]

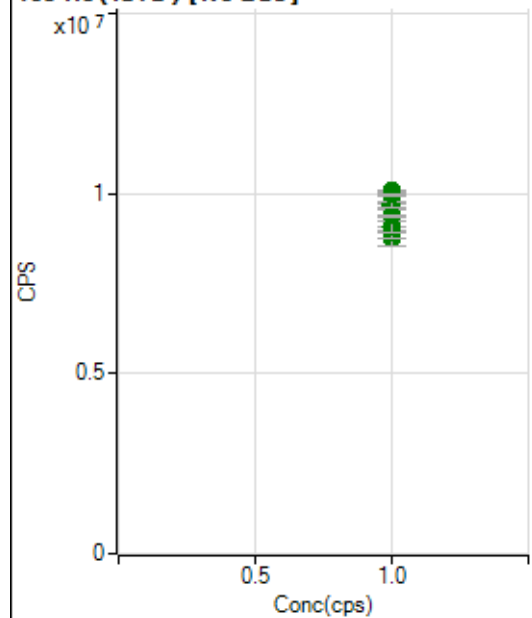
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		378457.76		P	3.4
2	☐	1.000					
3	☐	1.000		399711.55		P	2.2
4	☐	1.000		407153.62		P	1.4
5	☐	1.000		410690.16		P	0.4
6	☐	1.000		394839.84		P	1.5
7	☐	1.000		382534.34		P	1.8
8	☐	1.000		373075.13		P	0.5
9	☐	1.000		369202.59		P	1.2

159 Tb (ISTD) [No Gas]

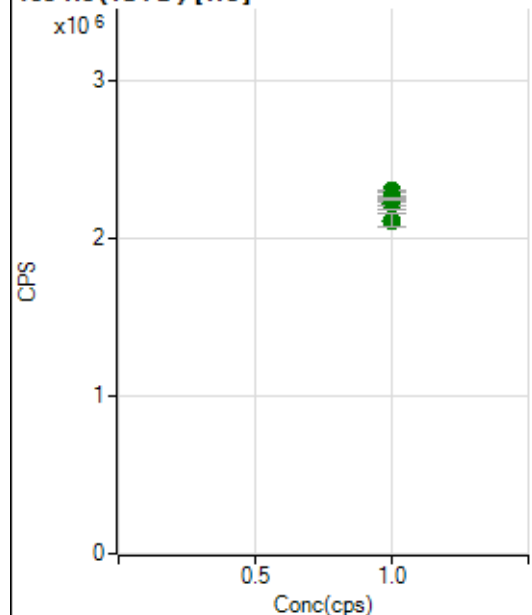
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		9229093.96		A	5.0
2	☐	1.000					
3	☐	1.000		9378501.25		A	3.6
4	☐	1.000		9577398.82		A	3.3
5	☐	1.000		9846691.80		A	1.4
6	☐	1.000		10214656.51		A	1.4
7	☐	1.000		10224262.63		A	2.1
8	☐	1.000		10569327.21		A	0.3
9	☐	1.000		10448462.21		A	0.8

159 Tb (ISTD) [He]

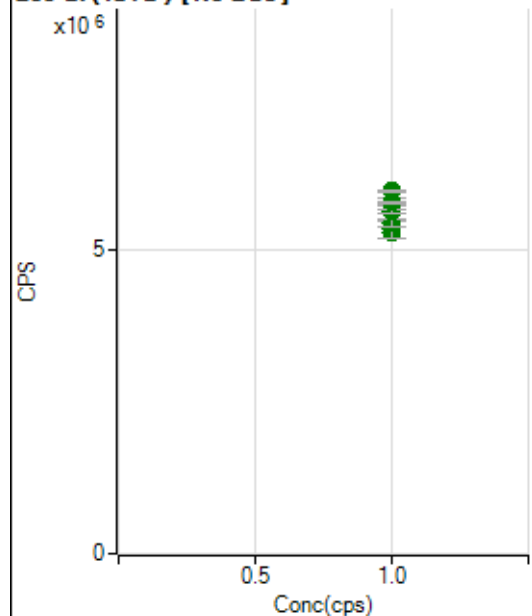
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		2042235.13		A	3.6
2	☐	1.000					
3	☐	1.000		2174703.56		A	2.3
4	☐	1.000		2199689.97		A	1.5
5	☐	1.000		2232914.44		A	1.0
6	☐	1.000		2181667.73		A	1.6
7	☐	1.000		2176010.58		A	2.8
8	☐	1.000		2180771.22		A	0.3
9	☐	1.000		2160406.36		A	0.1

165 Ho (ISTD) [No Gas]

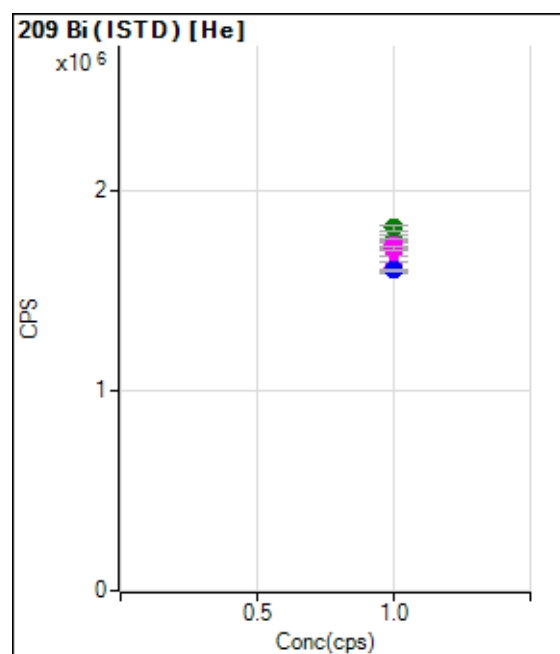
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		8749027.45		A	5.2
2	☐	1.000					
3	☐	1.000		8906962.79		A	3.6
4	☐	1.000		9092604.63		A	3.4
5	☐	1.000		9369872.34		A	0.7
6	☐	1.000		9638119.57		A	1.6
7	☐	1.000		9691589.54		A	1.9
8	☐	1.000		10070364.46		A	0.8
9	☐	1.000		9959285.29		A	0.7

165 Ho (ISTD) [He]

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		2113837.38		A	4.1
2	☐	1.000					
3	☐	1.000		2218083.34		A	2.6
4	☐	1.000		2263541.96		A	0.8
5	☐	1.000		2301114.31		A	0.8
6	☐	1.000		2242480.07		A	1.4
7	☐	1.000		2239227.21		A	2.6
8	☐	1.000		2269860.69		A	0.3
9	☐	1.000		2248395.63		A	0.2

209 Bi (ISTD) [No Gas]

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		5323093.36		A	5.5
2	☐	1.000					
3	☐	1.000		5267484.89		A	3.8
4	☐	1.000		5433993.25		A	2.3
5	☐	1.000		5627935.47		A	1.0
6	☐	1.000		5775964.98		A	0.5
7	☐	1.000		5772911.72		A	1.9
8	☐	1.000		5954437.83		A	0.5
9	☐	1.000		5762888.39		A	0.9



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		1615003.59		M	3.7
2	☐	1.000					
3	☐	1.000		1707290.13		M	3.6
4	☐	1.000		1762730.77		A	2.2
5	☐	1.000		1814816.69		A	1.8
6	☐	1.000		1734120.11		A	2.2
7	☐	1.000		1733086.99		M	3.6
8	☐	1.000		1714347.25		M	1.0
9	☐	1.000		1604215.15		P	0.5

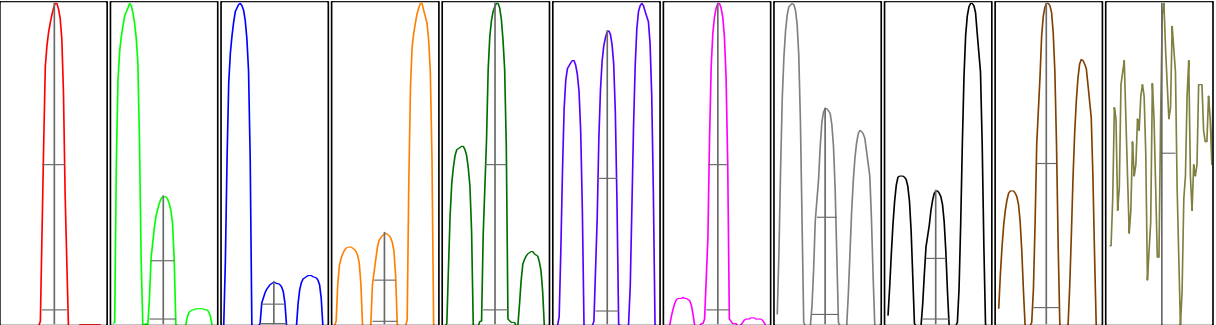
US EPA Tune Check Sample Report

Batch Folder D:\P8091317-MS.b
Report Comment
Instrument Name G8403A JP17141814

[No Gas]				
Mass	Count (Mean)	RSD% (Actual)	RSD% (Required)	RSD% (Flag)
9	9044	0.71	5.00	
24	58574	0.55	5.00	
25	7882	0.25	5.00	
26	9123	0.29	5.00	
59	93687	0.84	5.00	
113	12517	0.84	5.00	
115	158861	1.25	5.00	
206	30551	0.97	5.00	
207	27776	0.75	5.00	
208	66159	1.02	5.00	
220	1	14.32		

Mass	Replicate 1 Count	Replicate 2 Count	Replicate 3 Count	Replicate 4 Count	Replicate 5 Count
9	8944	9117	9042	9080	9038
24	58412	59055	58190	58642	58572
25	7865	7915	7885	7874	7870
26	9111	9149	9090	9152	9113
59	93141	94907	93378	94017	92994
113	12435	12683	12429	12556	12484
115	155947	161470	159480	158581	158828
206	30244	30410	30369	30929	30804
207	27453	27768	27746	27971	27946
208	65420	65758	65898	66676	67041
220	1	1	2	1	2

Integration Time [sec] = 0.1



Mass	Peak Height	Axis (Actual)	Axis (Required)	Axis (Flag)	Width-X% (Actual)	Width-X% (Required)	Width- X% (Flag)
9	14722	9.05	8.9 - 9.1		0.741	0.900	
24	94117	24.00	23.9 - 24.1		0.783	0.900	
25	12642	25.00	24.9 - 25.1		0.753	0.900	
26	14732	26.00	25.9 - 26.1		0.741	0.900	
59	156834	59.00	58.9 - 59.1		0.741	0.900	
113	23208	113.05	112.9 - 113.1		0.689	0.900	
115	291064	115.05	114.9 - 115.1		0.691	0.900	
206	55242	205.95	205.9 - 206.1		0.767	0.900	
207	49521	206.95	206.9 - 207.1		0.775	0.900	
208	118619	207.95	207.9 - 208.1		0.767	0.900	
220	2	220.10	-				

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	8.5	V	Deflect	13.8	V
Extract 2	-250.0	V	Cell Entrance	-30	V	Plate Bias	-35	V
Omega Bias	-110	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	13091	0.94	
89	2988	1.12	
205	17520	0.65	

Mass	Replicate 1 Count	Replicate 2 Count	Replicate 3 Count	Replicate 4 Count	Replicate 5 Count
59	13241	13190	13077	12969	12978
89	3035	3009	2959	2976	2959
205	17655	17633	17436	17420	17455

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	8.5	V	Deflect	2.0	V
Extract 2	-250.0	V	Cell Entrance	-40	V	Plate Bias	-60	V
Omega Bias	-110	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 :	LB90047	Operator :	Jaswal
Lab Sample ID :	S00	Instrumnet Name :	P8
Client Sample ID :	S00	Dilution Factor :	1
Date & Time Acquired ::	2017-09-13 11:02:18	DataFile Name :	003CALB_P8091317-MS

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	0.04	0.08	-0.11	0.00	N/A	ppb
Antimony	121-1	0.00	0.00	0.00	0.00	N/A	ppb
Arsenic	75-2	0.01	-0.01	-0.01	0.00	N/A	ppb
Barium	135-1	0.01	0.01	-0.02	0.00	N/A	ppb
Barium	137-1	0.00	0.00	0.00	0.00	N/A	ppb
Beryllium	9-1	0.03	0.01	-0.04	0.00	N/A	ppb
Bismuth	209-1				100		%
Bismuth	209-2				100		%
Boron	10-1	0.35	-0.50	0.15	0.00	N/A	ppb
Boron	11-1	0.14	0.16	-0.30	0.00	N/A	ppb
Cadmium	111-1	0.01	0.08	-0.08	0.00	N/A	ppb
Cadmium	106-1	-0.03	1.15	-1.12	0.00	N/A	ppb
Cadmium	108-1	-0.02	-0.02	0.04	0.00	N/A	ppb
Calcium	43-1	0.81	5.63	-6.44	0.00	N/A	ppb
Calcium	44-1	7.78	-2.20	-5.58	0.00	N/A	ppb
Chromium	52-2	0.00	0.08	-0.08	0.00	N/A	ppb
Cobalt	59-2	0.00	0.01	-0.01	0.00	N/A	ppb
Copper	63-2	-0.07	0.04	0.03	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	0.17	0.29	-0.46	0.00	N/A	ppb
Iron	57-2	1.10	-0.76	-0.35	0.00	N/A	ppb
Lead	206-1	0.02	-0.02	0.00	0.00	N/A	ppb
Lead	207-1	0.01	0.00	-0.01	0.00	N/A	ppb
Lead	208-1	0.00	-0.01	0.00	0.00	N/A	ppb
Lithium	6-1				100		%
Magnesium	24-2	1.44	-0.26	-1.19	0.00	N/A	ppb
Manganese	55-2	0.08	0.06	-0.14	0.00	N/A	ppb

LB Number :	LB90047	Operator :	Jaswal
Lab Sample ID :	S00	Instrumnet Name :	P8
Client Sample ID :	S00	Dilution Factor :	1
Date & Time Acquired ::	2017-09-13 11:02:18	DataFile Name :	003CALB_P8091317-MS

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Molybdenum	94-1	0.00	0.00	0.01	0.00	N/A	ppb
Molybdenum	95-1	0.00	0.00	0.00	0.00	N/A	ppb
Molybdenum	96-1	0.01	-0.01	0.00	0.00	N/A	ppb
Molybdenum	97-1	-0.02	0.02	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	0.05	-0.08	0.00	N/A	ppb
Phosphorus	31-2	-10.25	-10.25	-10.25	-10.25		ppb
Potassium	39-2	0.11	7.89	-8.00	0.00	N/A	ppb
Rhodium	103-1				100		%
Rhodium	103-2				100		%
Scandium	45-1				100		%
Scandium	45-2				100		%
Selenium	77-2	2.92	-1.46	-1.46	0.00	N/A	ppb
Selenium	78-2	0.00	0.71	-0.72	0.00	N/A	ppb
Selenium	82-1	-0.30	-0.09	0.39	0.00	N/A	ppb
Silicon	28-1	5.75	0.36	-6.11	0.00	N/A	ppb
Silver	109-1	0.00	0.00	0.00	0.00	N/A	ppb
Silver	107-1	0.00	0.00	0.00	0.00	N/A	ppb
Sodium	23-2	-1.90	11.03	-9.13	0.00	N/A	ppb
Strontium	86-1	0.02	-0.02	0.00	0.00	N/A	ppb
Strontium	88-1	0.00	0.00	0.00	0.00	N/A	ppb
Sulfur	34-1	599.08	-288.91	-500.04	-63.29		ppb
Terbium	159-1				100		%
Terbium	159-2				100		%
Thallium	203-1	0.00	0.00	0.00	0.00	N/A	ppb
Thallium	205-1	0.00	0.00	0.00	0.00	N/A	ppb
Tin	118-1	0.00	0.00	0.00	0.00	N/A	ppb
Titanium	47-1	0.00	0.02	-0.02	0.00	N/A	ppb
Uranium	238-1	0.00	0.00	0.00	0.00	N/A	ppb
Vanadium	51-2	0.00	0.00	0.00	0.00	N/A	ppb
Yttrium	89-1				100		%
Yttrium	89-2				100		%
Zinc	66-2	0.00	0.03	-0.03	0.00	N/A	ppb
Zirconium	90-1	0.00	0.00	0.00	0.00	N/A	ppb

LB Number :	LB90047	Operator :	Jaswal
Lab Sample ID :	S00	Instrumnet Name :	P8
Client Sample ID :	S00	Dilution Factor :	1
Date & Time Acquired ::	2017-09-13 11:02:18	DataFile Name :	003CALB_P8091317-MS

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

LB Number :	LB90047	Operator :	Jaswal
Lab Sample ID :	S02	Instrumnet Name :	P8
Client Sample ID :	S02	Dilution Factor :	1
Date & Time Acquired ::	2017-09-13 11:09:27	DataFile Name :	005CALS_P8091317-MS

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	17.69	24.78	19.29	20.59	18.07	ppb
Antimony	121-1	1.76	1.87	1.96	1.86	5.45	ppb
Arsenic	75-2	0.88	1.08	1.16	1.04	13.76	ppb
Barium	135-1	9.12	9.32	9.19	9.21	1.09	ppb
Barium	137-1	9.14	9.11	9.55	9.27	2.64	ppb
Beryllium	9-1	0.98	0.97	0.88	0.94	5.55	ppb
Bismuth	209-1				99		%
Bismuth	209-2				106		%
Boron	10-1	21.37	19.87	22.30	21.18	5.79	ppb
Boron	11-1	21.22	21.02	21.30	21.18	0.68	ppb
Cadmium	111-1	1.08	1.02	0.90	1.00	9.23	ppb
Cadmium	106-1	2.16	1.55	1.44	1.72	22.52	ppb
Cadmium	108-1	1.01	1.13	1.04	1.06	5.76	ppb
Calcium	43-1	432.52	400.71	443.99	425.74	5.27	ppb
Calcium	44-1	421.86	432.15	439.57	431.19	2.06	ppb
Chromium	52-2	1.94	1.94	1.90	1.93	1.33	ppb
Cobalt	59-2	0.85	0.83	0.89	0.86	3.54	ppb
Copper	63-2	2.18	2.20	2.32	2.23	3.37	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				105		%
Indium	115-1				101		%
Indium	115-2				106		%
Iron	56-2	44.42	44.24	46.02	44.89	2.18	ppb
Iron	57-2	39.52	40.01	47.70	42.41	10.81	ppb
Lead	206-1	1.16	1.24	1.20	1.20	3.44	ppb
Lead	207-1	1.09	1.15	1.15	1.13	3.16	ppb
Lead	208-1	1.14	1.18	1.17	1.16	1.95	ppb
Lithium	6-1				104		%
Magnesium	24-2	429.24	444.19	427.59	433.67	2.11	ppb
Manganese	55-2	0.83	0.82	0.85	0.83	2.02	ppb

LB Number :	LB90047	Operator :	Jaswal
Lab Sample ID :	S02	Instrumnet Name :	P8
Client Sample ID :	S02	Dilution Factor :	1
Date & Time Acquired ::	2017-09-13 11:09:27	DataFile Name :	005CAL5_P8091317-MS

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Molybdenum	94-1	1.86	1.98	1.95	1.93	3.00	ppb
Molybdenum	95-1	4.11	4.23	4.33	4.22	2.61	ppb
Molybdenum	96-1	3.75	3.66	3.65	3.69	1.57	ppb
Molybdenum	97-1	4.36	4.33	4.59	4.42	3.22	ppb
Molybdenum	98-1	4.18	4.42	4.26	4.28	2.92	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.81	1.04	1.19	1.01	19.00	ppb
Phosphorus	31-2	-10.25	51.25	-10.25	10.25	346.41	ppb
Potassium	39-2	440.49	430.58	476.75	449.27	5.41	ppb
Rhodium	103-1				102		%
Rhodium	103-2				105		%
Scandium	45-1				101		%
Scandium	45-2				106		%
Selenium	77-2	-1.46	-1.46	2.65	-0.09		ppb
Selenium	78-2	6.01	5.13	5.38	5.51	8.24	ppb
Selenium	82-1	4.77	4.28	5.36	4.80	11.31	ppb
Silicon	28-1	7.36	8.45	13.01	9.61	31.19	ppb
Silver	109-1	1.05	1.12	1.07	1.08	3.13	ppb
Silver	107-1	1.06	1.06	1.08	1.07	0.95	ppb
Sodium	23-2	420.85	439.37	456.02	438.75	4.01	ppb
Strontium	86-1	0.89	0.87	0.92	0.89	2.51	ppb
Strontium	88-1	0.97	0.92	0.98	0.96	3.04	ppb
Sulfur	34-1	-237.68	-160.27	587.83	63.29	720.36	ppb
Terbium	159-1				102		%
Terbium	159-2				106		%
Thallium	203-1	0.91	0.90	0.94	0.92	2.27	ppb
Thallium	205-1	0.90	0.90	0.93	0.91	1.98	ppb
Tin	118-1	4.71	4.59	4.71	4.67	1.47	ppb
Titanium	47-1	4.31	4.40	4.45	4.38	1.58	ppb
Uranium	238-1	0.86	0.88	0.87	0.87	1.15	ppb
Vanadium	51-2	4.69	4.31	4.19	4.40	5.89	ppb
Yttrium	89-1				103		%
Yttrium	89-2				106		%
Zinc	66-2	1.66	1.82	1.91	1.80	7.05	ppb
Zirconium	90-1	0.85	0.83	0.85	0.85	1.60	ppb

LB Number :	LB90047	Operator :	Jaswal
Lab Sample ID :	S02	Instrumnet Name :	P8
Client Sample ID :	S02	Dilution Factor :	1
Date & Time Acquired ::	2017-09-13 11:09:27	DataFile Name :	005CALS_P8091317-MS

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	91-1	0.82	0.83	0.89	0.85	4.62	ppb

LB Number :	LB90047	Operator :	Jaswal
Lab Sample ID :	S03	Instrumnet Name :	P8
Client Sample ID :	S03	Dilution Factor :	1
Date & Time Acquired ::	2017-09-13 11:12:56	DataFile Name :	006CAL5_P8091317-MS

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	947.22	965.65	954.44	955.77	0.97	ppb
Antimony	121-1	52.43	52.62	52.90	52.65	0.45	ppb
Arsenic	75-2	51.11	50.21	50.12	50.48	1.09	ppb
Barium	135-1	262.03	260.76	261.81	261.53	0.26	ppb
Barium	137-1	260.00	259.19	262.19	260.46	0.60	ppb
Beryllium	9-1	51.22	53.78	51.37	52.12	2.76	ppb
Bismuth	209-1				102		%
Bismuth	209-2				109		%
Boron	10-1	47.67	52.81	51.95	50.81	5.42	ppb
Boron	11-1	48.70	48.40	52.08	49.73	4.11	ppb
Cadmium	111-1	52.75	53.41	53.36	53.17	0.69	ppb
Cadmium	106-1	52.14	55.49	54.29	53.97	3.15	ppb
Cadmium	108-1	53.60	54.00	55.04	54.22	1.37	ppb
Calcium	43-1	4889.03	4869.80	4843.22	4867.35	0.47	ppb
Calcium	44-1	5006.10	4973.40	4924.79	4968.10	0.82	ppb
Chromium	52-2	51.24	51.44	50.46	51.04	1.01	ppb
Cobalt	59-2	50.86	50.86	50.04	50.59	0.93	ppb
Copper	63-2	102.99	102.95	102.24	102.73	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				104		%
Holmium	165-2				107		%
Indium	115-1				104		%
Indium	115-2				108		%
Iron	56-2	2625.00	2586.03	2574.24	2595.09	1.02	ppb
Iron	57-2	2636.99	2629.92	2541.64	2602.85	2.04	ppb
Lead	206-1	48.94	49.05	48.76	48.92	0.30	ppb
Lead	207-1	48.43	48.70	48.85	48.66	0.43	ppb
Lead	208-1	48.98	48.94	49.11	49.01	0.18	ppb
Lithium	6-1				105		%
Magnesium	24-2	5004.48	5050.32	5075.80	5043.54	0.72	ppb
Manganese	55-2	104.34	103.41	102.17	103.31	1.05	ppb

LB Number :	LB90047	Operator :	Jaswal
Lab Sample ID :	S03	Instrumnet Name :	P8
Client Sample ID :	S03	Dilution Factor :	1
Date & Time Acquired ::	2017-09-13 11:12:56	DataFile Name :	006CAL5_P8091317-MS

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Molybdenum	94-1	49.86	50.01	49.91	49.93	0.16	ppb
Molybdenum	95-1	49.94	49.98	49.59	49.83	0.43	ppb
Molybdenum	96-1	49.94	49.22	49.49	49.55	0.73	ppb
Molybdenum	97-1	49.74	50.12	49.27	49.71	0.85	ppb
Molybdenum	98-1	49.95	49.58	49.48	49.67	0.50	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	51.04	51.82	51.62	51.49	0.79	ppb
Phosphorus	31-2	976.63	1073.02	931.34	993.66	7.28	ppb
Potassium	39-2	2611.11	2582.23	2485.10	2559.48	2.58	ppb
Rhodium	103-1				105		%
Rhodium	103-2				106		%
Scandium	45-1				104		%
Scandium	45-2				107		%
Selenium	77-2	57.56	83.41	42.89	61.29	33.47	ppb
Selenium	78-2	56.36	41.92	52.45	50.24	14.86	ppb
Selenium	82-1	51.39	51.31	51.74	51.48	0.44	ppb
Silicon	28-1	63.17	59.07	63.98	62.07	4.24	ppb
Silver	109-1	45.46	46.17	46.12	45.92	0.87	ppb
Silver	107-1	45.17	46.16	45.90	45.74	1.12	ppb
Sodium	23-2	4948.65	4895.26	4911.28	4918.40	0.56	ppb
Strontium	86-1	50.62	50.09	50.64	50.45	0.62	ppb
Strontium	88-1	50.93	51.18	51.15	51.09	0.26	ppb
Sulfur	34-1	944.61	864.17	1470.02	1092.93	30.11	ppb
Terbium	159-1				104		%
Terbium	159-2				108		%
Thallium	203-1	49.49	48.99	48.91	49.13	0.64	ppb
Thallium	205-1	49.58	49.93	49.97	49.82	0.43	ppb
Tin	118-1	52.52	52.60	52.52	52.55	0.09	ppb
Titanium	47-1	50.67	50.46	50.19	50.44	0.48	ppb
Uranium	238-1	48.55	48.34	47.88	48.26	0.71	ppb
Vanadium	51-2	50.71	50.78	49.71	50.40	1.18	ppb
Yttrium	89-1				105		%
Yttrium	89-2				107		%
Zinc	66-2	106.46	106.01	103.75	105.41	1.37	ppb
Zirconium	90-1	49.67	49.01	49.59	49.43	0.73	ppb

LB Number :	LB90047	Operator :	Jaswal
Lab Sample ID :	S03	Instrumnet Name :	P8
Client Sample ID :	S03	Dilution Factor :	1
Date & Time Acquired ::	2017-09-13 11:12:56	DataFile Name :	006CALS_P8091317-MS

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	91-1	48.68	48.85	48.97	48.83	0.29	ppb

LB Number :	LB90047	Operator :	Jaswal
Lab Sample ID :	S04	Instrumnet Name :	P8
Client Sample ID :	S04	Dilution Factor :	1
Date & Time Acquired ::	2017-09-13 11:16:23	DataFile Name :	007CAL5_P8091317-MS

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	2402.86	2540.34	2477.12	2473.44	2.78	ppb
Antimony	121-1	130.95	131.48	131.32	131.25	0.21	ppb
Arsenic	75-2	126.55	123.94	125.77	125.42	1.07	ppb
Barium	135-1	644.32	654.63	655.28	651.41	0.94	ppb
Barium	137-1	644.69	660.48	663.31	656.16	1.53	ppb
Beryllium	9-1	126.92	128.35	124.21	126.49	1.66	ppb
Bismuth	209-1				106		%
Bismuth	209-2				112		%
Boron	10-1	125.22	124.38	122.94	124.18	0.93	ppb
Boron	11-1	123.35	125.18	123.83	124.12	0.76	ppb
Cadmium	111-1	132.01	131.72	132.64	132.12	0.36	ppb
Cadmium	106-1	133.77	134.27	134.63	134.22	0.32	ppb
Cadmium	108-1	134.28	134.84	132.70	133.94	0.83	ppb
Calcium	43-1	12131.75	12295.69	12259.68	12229.04	0.70	ppb
Calcium	44-1	12149.49	12339.64	12236.97	12242.04	0.78	ppb
Chromium	52-2	126.44	129.78	126.50	127.57	1.50	ppb
Cobalt	59-2	125.57	128.42	124.45	126.15	1.62	ppb
Copper	63-2	253.49	261.86	253.50	256.28	1.88	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				107		%
Holmium	165-2				109		%
Indium	115-1				106		%
Indium	115-2				109		%
Iron	56-2	6377.72	6577.11	6373.80	6442.88	1.80	ppb
Iron	57-2	6341.86	6412.53	6319.97	6358.12	0.76	ppb
Lead	206-1	121.44	123.51	120.94	121.96	1.12	ppb
Lead	207-1	118.94	121.80	121.08	120.61	1.24	ppb
Lead	208-1	121.05	122.82	122.21	122.03	0.74	ppb
Lithium	6-1				108		%
Magnesium	24-2	12321.54	12718.80	12298.00	12446.11	1.90	ppb
Manganese	55-2	251.75	258.29	259.42	256.49	1.61	ppb

LB Number :	LB90047	Operator :	Jaswal
Lab Sample ID :	S04	Instrumnet Name :	P8
Client Sample ID :	S04	Dilution Factor :	1
Date & Time Acquired ::	2017-09-13 11:16:23	DataFile Name :	007CAL5_P8091317-MS

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Molybdenum	94-1	124.77	126.11	123.74	124.87	0.95	ppb
Molybdenum	95-1	124.42	126.53	123.98	124.98	1.09	ppb
Molybdenum	96-1	123.77	123.52	122.95	123.41	0.34	ppb
Molybdenum	97-1	123.86	125.22	124.04	124.37	0.60	ppb
Molybdenum	98-1	123.56	124.17	122.75	123.49	0.58	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	128.59	130.56	128.82	129.33	0.83	ppb
Phosphorus	31-2	2344.44	2451.11	2441.32	2412.29	2.44	ppb
Potassium	39-2	6360.70	6443.26	6270.99	6358.32	1.36	ppb
Rhodium	103-1				106		%
Rhodium	103-2				107		%
Scandium	45-1				106		%
Scandium	45-2				109		%
Selenium	77-2	115.79	203.42	132.56	150.59	30.89	ppb
Selenium	78-2	138.45	118.14	133.79	130.13	8.18	ppb
Selenium	82-1	129.04	128.74	128.11	128.63	0.37	ppb
Silicon	28-1	158.18	126.57	160.41	148.38	12.76	ppb
Silver	109-1	113.42	113.86	114.65	113.98	0.55	ppb
Silver	107-1	113.03	114.09	113.55	113.56	0.47	ppb
Sodium	23-2	12384.05	12699.56	12386.39	12490.00	1.45	ppb
Strontium	86-1	125.26	126.71	124.11	125.36	1.04	ppb
Strontium	88-1	129.64	128.35	127.01	128.33	1.03	ppb
Sulfur	34-1	2293.98	2518.99	2615.51	2476.16	6.66	ppb
Terbium	159-1				107		%
Terbium	159-2				109		%
Thallium	203-1	120.23	123.18	121.53	121.65	1.21	ppb
Thallium	205-1	124.64	127.12	124.47	125.41	1.18	ppb
Tin	118-1	130.93	130.89	131.18	131.00	0.12	ppb
Titanium	47-1	125.56	125.65	125.15	125.45	0.21	ppb
Uranium	238-1	122.12	122.37	122.28	122.26	0.10	ppb
Vanadium	51-2	125.77	128.25	124.25	126.09	1.60	ppb
Yttrium	89-1				107		%
Yttrium	89-2				109		%
Zinc	66-2	259.94	262.90	256.71	259.85	1.19	ppb
Zirconium	90-1	127.03	127.90	127.09	127.34	0.38	ppb

LB Number :	LB90047	Operator :	Jaswal
Lab Sample ID :	S04	Instrumnet Name :	P8
Client Sample ID :	S04	Dilution Factor :	1
Date & Time Acquired ::	2017-09-13 11:16:23	DataFile Name :	007CALS_P8091317-MS

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	91-1	122.95	124.91	123.27	123.71	0.85	ppb

LB Number :	LB90047	Operator :	Jaswal
Lab Sample ID :	S05	Instrumnet Name :	P8
Client Sample ID :	S05	Dilution Factor :	1
Date & Time Acquired ::	2017-09-13 11:19:47	DataFile Name :	008CAL5_P8091317-MS

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	4789.30	4862.35	5000.23	4883.96	2.19	ppb
Antimony	121-1	260.65	256.17	263.13	259.99	1.36	ppb
Arsenic	75-2	251.09	249.32	256.55	252.32	1.49	ppb
Barium	135-1	1300.82	1294.76	1306.75	1300.78	0.46	ppb
Barium	137-1	1281.33	1278.50	1302.64	1287.49	1.03	ppb
Beryllium	9-1	253.79	252.53	251.30	252.54	0.49	ppb
Bismuth	209-1				109		%
Bismuth	209-2				107		%
Boron	10-1	252.39	253.15	255.82	253.79	0.71	ppb
Boron	11-1	244.76	251.97	253.42	250.05	1.86	ppb
Cadmium	111-1	257.80	260.27	261.36	259.81	0.70	ppb
Cadmium	106-1	265.39	265.11	261.38	263.96	0.85	ppb
Cadmium	108-1	257.16	252.42	260.39	256.66	1.56	ppb
Calcium	43-1	24120.60	24514.42	24189.50	24274.84	0.87	ppb
Calcium	44-1	24440.22	24353.47	24219.81	24337.83	0.46	ppb
Chromium	52-2	254.29	256.73	252.19	254.40	0.89	ppb
Cobalt	59-2	251.36	249.17	248.59	249.71	0.58	ppb
Copper	63-2	513.62	509.32	509.80	510.91	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				110		%
Holmium	165-2				106		%
Indium	115-1				109		%
Indium	115-2				104		%
Iron	56-2	12792.26	12607.78	12642.77	12680.94	0.77	ppb
Iron	57-2	12758.03	12732.45	12617.49	12702.66	0.59	ppb
Lead	206-1	245.66	245.86	242.79	244.77	0.70	ppb
Lead	207-1	243.21	244.88	241.96	243.35	0.60	ppb
Lead	208-1	248.53	249.40	247.34	248.42	0.42	ppb
Lithium	6-1				110		%
Magnesium	24-2	24852.71	24874.70	24931.17	24886.19	0.16	ppb
Manganese	55-2	514.29	516.59	508.47	513.11	0.82	ppb

LB Number :	LB90047	Operator :	Jaswal
Lab Sample ID :	S05	Instrumnet Name :	P8
Client Sample ID :	S05	Dilution Factor :	1
Date & Time Acquired ::	2017-09-13 11:19:47	DataFile Name :	008CAL5_P8091317-MS

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Molybdenum	94-1	252.25	250.18	251.90	251.44	0.44	ppb
Molybdenum	95-1	248.90	245.33	248.18	247.47	0.76	ppb
Molybdenum	96-1	245.55	244.39	247.58	245.84	0.66	ppb
Molybdenum	97-1	249.72	246.84	250.01	248.86	0.71	ppb
Molybdenum	98-1	249.44	251.75	252.16	251.12	0.58	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	259.60	258.55	256.88	258.34	0.53	ppb
Phosphorus	31-2	4586.42	5233.01	4952.54	4923.99	6.58	ppb
Potassium	39-2	12640.31	12635.86	12593.65	12623.28	0.20	ppb
Rhodium	103-1				107		%
Rhodium	103-2				104		%
Scandium	45-1				108		%
Scandium	45-2				106		%
Selenium	77-2	205.97	230.38	289.56	241.97	17.76	ppb
Selenium	78-2	264.14	254.75	252.48	257.12	2.40	ppb
Selenium	82-1	252.66	255.15	253.01	253.61	0.53	ppb
Silicon	28-1	255.26	263.68	252.65	257.20	2.24	ppb
Silver	109-1	221.70	223.66	229.15	224.84	1.72	ppb
Silver	107-1	223.06	223.66	226.74	224.49	0.88	ppb
Sodium	23-2	25108.33	25002.95	25053.05	25054.78	0.21	ppb
Strontium	86-1	249.99	248.21	251.02	249.74	0.57	ppb
Strontium	88-1	249.30	250.21	251.26	250.26	0.39	ppb
Sulfur	34-1	4916.70	5122.23	4943.51	4994.15	2.24	ppb
Terbium	159-1				111		%
Terbium	159-2				107		%
Thallium	203-1	245.66	246.36	242.91	244.98	0.74	ppb
Thallium	205-1	252.94	252.01	247.40	250.78	1.18	ppb
Tin	118-1	260.14	260.01	262.51	260.89	0.54	ppb
Titanium	47-1	252.31	251.21	251.06	251.52	0.27	ppb
Uranium	238-1	246.57	243.82	242.82	244.40	0.80	ppb
Vanadium	51-2	255.51	250.67	252.95	253.04	0.96	ppb
Yttrium	89-1				110		%
Yttrium	89-2				105		%
Zinc	66-2	521.87	507.10	512.56	513.84	1.45	ppb
Zirconium	90-1	252.14	248.00	249.50	249.88	0.84	ppb

LB Number :	LB90047	Operator :	Jaswal
Lab Sample ID :	S05	Instrumnet Name :	P8
Client Sample ID :	S05	Dilution Factor :	1
Date & Time Acquired ::	2017-09-13 11:19:47	DataFile Name :	008CALS_P8091317-MS

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	91-1	246.80	245.57	248.91	247.09	0.68	ppb

LB Number :	LB90047	Operator :	Jaswal
Lab Sample ID :	S06	Instrumnet Name :	P8
Client Sample ID :	S06	Dilution Factor :	1
Date & Time Acquired ::	2017-09-13 11:23:05	DataFile Name :	009CAL5_P8091317-MS

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	9744.25	9768.60	9782.10	9764.98	0.20	ppb
Antimony	121-1	509.76	506.58	515.11	510.49	0.84	ppb
Arsenic	75-2	500.64	493.74	499.06	497.81	0.73	ppb
Barium	135-1	2545.37	2537.88	2543.85	2542.37	0.16	ppb
Barium	137-1	2517.90	2497.25	2553.69	2522.95	1.13	ppb
Beryllium	9-1	496.66	492.75	496.29	495.23	0.44	ppb
Bismuth	209-1				108		%
Bismuth	209-2				107		%
Boron	10-1	483.60	484.34	497.22	488.39	1.57	ppb
Boron	11-1	489.33	490.53	504.84	494.90	1.74	ppb
Cadmium	111-1	509.80	502.02	516.88	509.57	1.46	ppb
Cadmium	106-1	509.18	494.45	521.37	508.33	2.65	ppb
Cadmium	108-1	518.06	506.42	516.02	513.50	1.21	ppb
Calcium	43-1	48546.25	48939.82	49388.36	48958.14	0.86	ppb
Calcium	44-1	48425.94	48637.93	49523.33	48862.40	1.19	ppb
Chromium	52-2	519.25	509.13	507.37	511.92	1.25	ppb
Cobalt	59-2	508.28	504.83	498.94	504.02	0.94	ppb
Copper	63-2	1054.36	1039.35	1016.11	1036.61	1.86	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				111		%
Holmium	165-2				106		%
Indium	115-1				106		%
Indium	115-2				101		%
Iron	56-2	25857.98	25651.54	25366.04	25625.19	0.96	ppb
Iron	57-2	26029.23	25781.17	25568.16	25792.85	0.89	ppb
Lead	206-1	511.81	492.48	505.32	503.20	1.95	ppb
Lead	207-1	502.84	498.46	501.27	500.86	0.44	ppb
Lead	208-1	507.24	498.33	503.51	503.03	0.89	ppb
Lithium	6-1				109		%
Magnesium	24-2	52887.62	51806.07	51053.24	51915.64	1.78	ppb
Manganese	55-2	1043.55	1033.30	1018.29	1031.71	1.23	ppb

LB Number :	LB90047	Operator :	Jaswal
Lab Sample ID :	S06	Instrumnet Name :	P8
Client Sample ID :	S06	Dilution Factor :	1
Date & Time Acquired ::	2017-09-13 11:23:05	DataFile Name :	009CAL5_P8091317-MS

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Molybdenum	94-1	508.93	502.80	509.12	506.95	0.71	ppb
Molybdenum	95-1	504.80	500.71	513.68	506.40	1.31	ppb
Molybdenum	96-1	507.36	500.22	508.22	505.27	0.87	ppb
Molybdenum	97-1	500.28	494.80	504.21	499.76	0.95	ppb
Molybdenum	98-1	509.94	503.48	510.56	507.99	0.77	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	519.61	519.93	512.82	517.45	0.78	ppb
Phosphorus	31-2	10453.69	10248.41	10859.35	10520.49	2.96	ppb
Potassium	39-2	25515.35	25347.26	24979.20	25280.60	1.08	ppb
Rhodium	103-1				104		%
Rhodium	103-2				103		%
Scandium	45-1				105		%
Scandium	45-2				104		%
Selenium	77-2	491.64	458.85	549.17	499.88	9.15	ppb
Selenium	78-2	516.21	465.33	508.03	496.52	5.50	ppb
Selenium	82-1	511.05	500.82	507.12	506.33	1.02	ppb
Silicon	28-1	510.50	515.51	520.42	515.48	0.96	ppb
Silver	109-1	439.49	430.56	438.54	436.20	1.12	ppb
Silver	107-1	438.00	432.89	438.95	436.61	0.75	ppb
Sodium	23-2	51034.20	50823.13	50065.08	50640.80	1.01	ppb
Strontium	86-1	500.78	500.99	505.18	502.32	0.49	ppb
Strontium	88-1	507.70	502.73	502.18	504.21	0.60	ppb
Sulfur	34-1	10170.73	9995.17	10016.62	10060.84	0.95	ppb
Terbium	159-1				111		%
Terbium	159-2				107		%
Thallium	203-1	508.76	502.07	504.39	505.07	0.67	ppb
Thallium	205-1	500.71	497.67	496.00	498.13	0.48	ppb
Tin	118-1	521.79	511.19	515.98	516.32	1.03	ppb
Titanium	47-1	495.13	508.18	505.67	502.99	1.38	ppb
Uranium	238-1	498.26	490.06	496.31	494.87	0.87	ppb
Vanadium	51-2	517.41	508.06	506.01	510.50	1.19	ppb
Yttrium	89-1				107		%
Yttrium	89-2				104		%
Zinc	66-2	1051.72	1033.39	1019.44	1034.85	1.56	ppb
Zirconium	90-1	503.02	498.54	508.46	503.34	0.99	ppb

LB Number :	LB90047	Operator :	Jaswal
Lab Sample ID :	S06	Instrumnet Name :	P8
Client Sample ID :	S06	Dilution Factor :	1
Date & Time Acquired ::	2017-09-13 11:23:05	DataFile Name :	009CALS_P8091317-MS

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	91-1	501.76	505.25	512.18	506.40	1.05	ppb

LB Number :	LB90047	Operator :	Jaswal
Lab Sample ID :	S07	Instrumnet Name :	P8
Client Sample ID :	S07	Dilution Factor :	1
Date & Time Acquired ::	2017-09-13 11:26:17	DataFile Name :	010CAL5_P8091317-MS

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	19366.73	19757.05	19170.36	19431.38	1.54	ppb
Antimony	121-1	987.54	996.43	990.07	991.35	0.46	ppb
Arsenic	75-2	1000.61	998.85	1001.84	1000.44	0.15	ppb
Barium	135-1	4926.92	5003.87	4955.94	4962.25	0.78	ppb
Barium	137-1	4938.64	5034.76	4950.81	4974.74	1.05	ppb
Beryllium	9-1	985.77	1007.09	1011.51	1001.46	1.37	ppb
Bismuth	209-1				112		%
Bismuth	209-2				106		%
Boron	10-1	974.74	1015.63	1024.67	1005.02	2.65	ppb
Boron	11-1	972.57	1019.82	1015.88	1002.76	2.61	ppb
Cadmium	111-1	979.06	1002.47	993.61	991.71	1.19	ppb
Cadmium	106-1	976.36	998.23	998.38	990.99	1.28	ppb
Cadmium	108-1	987.08	994.87	988.82	990.26	0.41	ppb
Calcium	43-1	97292.42	97232.45	99093.08	97872.65	1.08	ppb
Calcium	44-1	95266.17	96523.44	97981.43	96590.35	1.41	ppb
Chromium	52-2	1002.02	998.56	977.13	992.57	1.36	ppb
Cobalt	59-2	1014.62	993.44	985.60	997.89	1.50	ppb
Copper	63-2	1990.96	2005.59	1937.59	1978.05	1.81	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				115		%
Holmium	165-2				107		%
Indium	115-1				106		%
Indium	115-2				99		%
Iron	56-2	50312.59	50069.85	48344.57	49575.67	2.16	ppb
Iron	57-2	50082.82	49978.18	48635.13	49565.38	1.63	ppb
Lead	206-1	990.59	1005.77	1004.06	1000.14	0.83	ppb
Lead	207-1	992.95	1008.90	1003.70	1001.85	0.81	ppb
Lead	208-1	992.36	1006.04	999.50	999.30	0.69	ppb
Lithium	6-1				111		%
Magnesium	24-2	98817.98	100917.89	98504.53	99413.47	1.32	ppb
Manganese	55-2	1991.63	2003.25	1944.79	1979.89	1.56	ppb

LB Number :	LB90047	Operator :	Jaswal
Lab Sample ID :	S07	Instrumnet Name :	P8
Client Sample ID :	S07	Dilution Factor :	1
Date & Time Acquired ::	2017-09-13 11:26:17	DataFile Name :	010CAL5_P8091317-MS

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Molybdenum	94-1	976.74	1002.85	1009.00	996.20	1.72	ppb
Molybdenum	95-1	973.47	1014.63	1004.24	997.45	2.15	ppb
Molybdenum	96-1	979.90	1004.17	1011.82	998.63	1.67	ppb
Molybdenum	97-1	985.47	1008.80	1007.22	1000.50	1.30	ppb
Molybdenum	98-1	984.38	1006.33	997.08	995.93	1.11	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	995.05	997.40	973.27	988.57	1.35	ppb
Phosphorus	31-2	20088.04	19234.62	19987.46	19770.04	2.36	ppb
Potassium	39-2	49212.93	48642.90	47890.98	48582.27	1.36	ppb
Rhodium	103-1				104		%
Rhodium	103-2				102		%
Scandium	45-1				106		%
Scandium	45-2				106		%
Selenium	77-2	970.09	1000.32	1024.57	998.33	2.73	ppb
Selenium	78-2	953.35	1011.02	1033.54	999.30	4.14	ppb
Selenium	82-1	979.04	999.44	1007.74	995.41	1.48	ppb
Silicon	28-1	966.01	995.97	998.85	986.94	1.84	ppb
Silver	109-1	1030.30	1043.45	1045.57	1039.78	0.80	ppb
Silver	107-1	1030.75	1043.18	1045.21	1039.71	0.75	ppb
Sodium	23-2	98382.18	98250.81	96565.40	97732.80	1.04	ppb
Strontium	86-1	979.53	1003.83	1013.15	998.84	1.74	ppb
Strontium	88-1	979.39	996.65	1016.04	997.36	1.84	ppb
Sulfur	34-1	19693.25	20051.22	20163.66	19969.38	1.23	ppb
Terbium	159-1				115		%
Terbium	159-2				107		%
Thallium	203-1	989.38	1010.24	997.93	999.18	1.05	ppb
Thallium	205-1	997.89	1008.47	995.74	1000.70	0.68	ppb
Tin	118-1	980.17	990.45	994.11	988.24	0.73	ppb
Titanium	47-1	985.56	1000.38	1008.20	998.05	1.15	ppb
Uranium	238-1	993.30	1007.70	1012.18	1004.39	0.98	ppb
Vanadium	51-2	1006.28	994.15	981.09	993.84	1.27	ppb
Yttrium	89-1				108		%
Yttrium	89-2				102		%
Zinc	66-2	1981.05	1996.24	1955.56	1977.61	1.04	ppb
Zirconium	90-1	978.60	998.47	1017.23	998.10	1.94	ppb

LB Number :	LB90047	Operator :	Jaswal
Lab Sample ID :	S07	Instrumnet Name :	P8
Client Sample ID :	S07	Dilution Factor :	1
Date & Time Acquired ::	2017-09-13 11:26:17	DataFile Name :	010CALS_P8091317-MS

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	91-1	980.50	1005.93	1006.81	997.75	1.50	ppb

LB Number :	LB90047	Operator :	Jaswal
Lab Sample ID :	S08	Instrumnet Name :	P8
Client Sample ID :	S08	Dilution Factor :	1
Date & Time Acquired ::	2017-09-13 11:29:25	DataFile Name :	011CALS_P8091317-MS

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	98831.95	101519.20	100081.26	100144.13	1.34	ppb
Antimony	121-1	2.24	2.26	2.24	2.25	0.64	ppb
Arsenic	75-2	0.34	0.21	0.37	0.30	28.32	ppb
Barium	135-1	1.47	1.56	1.44	1.49	4.13	ppb
Barium	137-1	1.58	1.67	1.59	1.61	2.96	ppb
Beryllium	9-1	0.43	0.18	0.24	0.28	44.57	ppb
Bismuth	209-1				108		%
Bismuth	209-2				99		%
Boron	10-1	39.72	35.60	30.07	35.13	13.78	ppb
Boron	11-1	35.95	33.64	32.99	34.19	4.54	ppb
Cadmium	111-1	0.14	0.13	0.10	0.12	13.75	ppb
Cadmium	106-1	0.22	-0.10	-0.65	-0.18		ppb
Cadmium	108-1	0.35	0.42	0.33	0.37	12.86	ppb
Calcium	43-1	494169.76	506985.95	500566.55	500574.09	1.28	ppb
Calcium	44-1	496419.93	501813.83	504273.15	500835.64	0.80	ppb
Chromium	52-2	7.00	6.83	6.74	6.86	1.94	ppb
Cobalt	59-2	1.14	1.17	1.21	1.17	3.11	ppb
Copper	63-2	3.21	3.28	3.12	3.20	2.51	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				114		%
Holmium	165-2				106		%
Indium	115-1				104		%
Indium	115-2				98		%
Iron	56-2	248694.31	250878.75	250449.52	250007.53	0.46	ppb
Iron	57-2	245813.72	252487.79	251679.82	249993.78	1.46	ppb
Lead	206-1	1.54	1.56	1.61	1.57	2.22	ppb
Lead	207-1	1.46	1.52	1.45	1.48	2.57	ppb
Lead	208-1	1.51	1.55	1.53	1.53	1.43	ppb
Lithium	6-1				107		%
Magnesium	24-2	493892.60	511801.57	494103.06	499932.41	2.06	ppb
Manganese	55-2	6.86	6.56	6.22	6.55	4.88	ppb

LB Number :	LB90047	Operator :	Jaswal
Lab Sample ID :	S08	Instrumnet Name :	P8
Client Sample ID :	S08	Dilution Factor :	1
Date & Time Acquired ::	2017-09-13 11:29:25	DataFile Name :	011CAL5_P8091317-MS

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Molybdenum	94-1	0.58	0.62	0.57	0.59	4.04	ppb
Molybdenum	95-1	1.30	1.26	1.22	1.26	2.97	ppb
Molybdenum	96-1	1.49	1.44	1.40	1.45	3.22	ppb
Molybdenum	97-1	1.31	1.26	1.45	1.34	7.30	ppb
Molybdenum	98-1	1.25	1.24	1.18	1.22	3.11	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	3.06	3.15	3.00	3.07	2.46	ppb
Phosphorus	31-2	54.81	22.89	38.99	38.90	41.04	ppb
Potassium	39-2	245392.76	250536.48	254809.12	250246.12	1.88	ppb
Rhodium	103-1				99		%
Rhodium	103-2				97		%
Scandium	45-1				104		%
Scandium	45-2				103		%
Selenium	77-2	-1.46	-1.46	-1.46	-1.46		ppb
Selenium	78-2	1.40	-0.72	1.34	0.67	178.91	ppb
Selenium	82-1	0.38	0.37	1.25	0.66	75.84	ppb
Silicon	28-1	-1.87	0.09	0.73	-0.35		ppb
Silver	109-1	0.12	0.10	0.11	0.11	10.53	ppb
Silver	107-1	0.11	0.11	0.10	0.11	7.34	ppb
Sodium	23-2	493592.36	508167.09	499403.80	500387.75	1.47	ppb
Strontium	86-1	33.66	34.63	35.29	34.53	2.36	ppb
Strontium	88-1	35.11	35.62	35.68	35.47	0.89	ppb
Sulfur	34-1	270.21	377.84	298.63	315.56	17.68	ppb
Terbium	159-1				113		%
Terbium	159-2				106		%
Thallium	203-1	0.37	0.35	0.36	0.36	2.21	ppb
Thallium	205-1	0.38	0.34	0.33	0.35	7.66	ppb
Tin	118-1	0.72	0.75	0.65	0.71	7.10	ppb
Titanium	47-1	0.57	0.85	0.70	0.70	20.23	ppb
Uranium	238-1	0.09	0.07	0.08	0.08	14.77	ppb
Vanadium	51-2	0.22	0.23	0.17	0.21	15.09	ppb
Yttrium	89-1				105		%
Yttrium	89-2				102		%
Zinc	66-2	7.85	8.01	8.51	8.12	4.21	ppb
Zirconium	90-1	0.24	0.28	0.23	0.25	9.33	ppb

LB Number :	LB90047	Operator :	Jaswal
Lab Sample ID :	S08	Instrumnet Name :	P8
Client Sample ID :	S08	Dilution Factor :	1
Date & Time Acquired ::	2017-09-13 11:29:25	DataFile Name :	011CALS_P8091317-MS

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	91-1	0.29	0.22	0.22	0.24	16.16	ppb

LB Number :	LB90047	Operator :	Jaswal
Lab Sample ID :	ICV	Instrumnet Name :	P8
Client Sample ID :	ICV	Dilution Factor :	1
Date & Time Acquired ::	2017-09-13 12:19:00	DataFile Name :	022ICV_P8091317-MS.D

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	496.62	451.02	482.30	476.64	4.89	ppb
Antimony	121-1	194.29	191.54	190.03	191.95	1.12	ppb
Arsenic	75-2	185.50	186.15	190.76	187.47	1.53	ppb
Barium	135-1	95.52	94.70	95.48	95.24	0.48	ppb
Barium	137-1	95.56	94.61	95.31	95.16	0.52	ppb
Beryllium	9-1	94.41	93.74	92.69	93.61	0.93	ppb
Bismuth	209-1				106		%
Bismuth	209-2				114		%
Boron	10-1	6.19	6.87	5.78	6.28	8.82	ppb
Boron	11-1	5.53	5.69	5.58	5.60	1.42	ppb
Cadmium	111-1	95.13	97.46	95.13	95.91	1.40	ppb
Cadmium	106-1	82.05	83.55	82.78	82.79	0.90	ppb
Cadmium	108-1	90.23	87.72	93.86	90.61	3.41	ppb
Calcium	43-1	1799.67	1872.62	1850.46	1840.91	2.03	ppb
Calcium	44-1	1839.69	1837.23	1841.62	1839.51	0.12	ppb
Chromium	52-2	92.30	92.20	96.10	93.53	2.38	ppb
Cobalt	59-2	93.97	94.91	96.30	95.06	1.23	ppb
Copper	63-2	95.04	97.20	98.17	96.80	1.65	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				109		%
Indium	115-1				105		%
Indium	115-2				108		%
Iron	56-2	934.85	949.16	965.46	949.82	1.61	ppb
Iron	57-2	942.18	919.38	950.04	937.20	1.70	ppb
Lead	206-1	183.18	186.61	183.88	184.56	0.98	ppb
Lead	207-1	175.32	178.73	177.64	177.23	0.98	ppb
Lead	208-1	184.53	187.56	184.50	185.53	0.95	ppb
Lithium	6-1				106		%
Magnesium	24-2	1093.26	1142.65	1157.99	1131.30	2.99	ppb
Manganese	55-2	92.51	95.94	97.97	95.47	2.89	ppb

LB Number :	LB90047	Operator :	Jaswal
Lab Sample ID :	ICV	Instrumnet Name :	P8
Client Sample ID :	ICV	Dilution Factor :	1
Date & Time Acquired ::	2017-09-13 12:19:00	DataFile Name :	022ICV_P8091317-MS.D

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Molybdenum	94-1	0.01	0.03	0.00	0.01	115.68	ppb
Molybdenum	95-1	0.02	0.01	0.02	0.02	32.19	ppb
Molybdenum	96-1	0.04	0.03	0.03	0.03	19.71	ppb
Molybdenum	97-1	0.00	-0.01	0.02	0.00	495.52	ppb
Molybdenum	98-1	0.01	0.01	0.01	0.01	28.28	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	95.66	96.81	101.52	97.99	3.17	ppb
Phosphorus	31-2	4.91	-10.25	37.38	10.68	227.80	ppb
Potassium	39-2	1835.71	1810.20	1910.23	1852.04	2.81	ppb
Rhodium	103-1				105		%
Rhodium	103-2				109		%
Scandium	45-1				103		%
Scandium	45-2				109		%
Selenium	77-2	243.21	246.02	190.08	226.44	13.92	ppb
Selenium	78-2	217.22	194.72	184.14	198.69	8.50	ppb
Selenium	82-1	190.66	192.63	189.57	190.95	0.81	ppb
Silicon	28-1	-6.99	-16.44	-11.27	-11.57		ppb
Silver	109-1	90.42	90.81	92.18	91.14	1.02	ppb
Silver	107-1	90.54	90.59	91.76	90.96	0.76	ppb
Sodium	23-2	2037.68	2022.59	2071.97	2044.08	1.24	ppb
Strontium	86-1	2.02	2.26	1.97	2.08	7.34	ppb
Strontium	88-1	2.19	2.21	2.12	2.18	2.12	ppb
Sulfur	34-1	393.91	-168.98	-265.77	-13.62		ppb
Terbium	159-1				106		%
Terbium	159-2				110		%
Thallium	203-1	184.88	190.20	185.98	187.02	1.50	ppb
Thallium	205-1	192.36	198.97	191.29	194.21	2.14	ppb
Tin	118-1	0.01	0.01	0.02	0.01	30.67	ppb
Titanium	47-1	0.12	0.02	0.04	0.06	82.52	ppb
Uranium	238-1	-0.01	-0.01	-0.01	-0.01		ppb
Vanadium	51-2	92.10	94.11	95.56	93.92	1.85	ppb
Yttrium	89-1				105		%
Yttrium	89-2				108		%
Zinc	66-2	195.45	197.88	198.76	197.36	0.87	ppb
Zirconium	90-1	0.01	0.00	0.01	0.01	96.38	ppb

LB Number :	LB90047	Operator :	Jaswal
Lab Sample ID :	ICV	Instrumnet Name :	P8
Client Sample ID :	ICV	Dilution Factor :	1
Date & Time Acquired ::	2017-09-13 12:19:00	DataFile Name :	022ICV_P8091317-MS.D

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	91-1	0.04	0.06	0.04	0.05	20.17	ppb

LB Number : LB90047 Operator : Jaswal
 Lab Sample ID : ICB Instrumnet Name : P8
 Client Sample ID : ICB Dilution Factor : 1
 Date & Time Acquired :: 2017-09-13 12:22:39 DataFile Name : 023CCBE_P8091317-M5

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	-0.23	1.16	0.06	0.33	222.43	ppb
Antimony	121-1	0.17	0.19	0.19	0.19	6.88	ppb
Arsenic	75-2	0.04	0.06	0.11	0.07	56.78	ppb
Barium	135-1	-0.02	0.01	-0.02	-0.01		ppb
Barium	137-1	-0.01	-0.01	-0.02	-0.01		ppb
Beryllium	9-1	0.06	0.07	0.03	0.05	37.10	ppb
Bismuth	209-1				113		%
Bismuth	209-2				109		%
Boron	10-1	5.57	4.27	4.82	4.89	13.30	ppb
Boron	11-1	4.49	4.31	4.51	4.43	2.49	ppb
Cadmium	111-1	-0.05	-0.01	-0.03	-0.03		ppb
Cadmium	106-1	-0.76	-0.25	-0.35	-0.46		ppb
Cadmium	108-1	-0.05	-0.02	0.04	-0.01		ppb
Calcium	43-1	-7.52	-8.41	-10.37	-8.77		ppb
Calcium	44-1	-10.57	-8.65	-10.58	-9.93		ppb
Chromium	52-2	-0.10	-0.04	-0.03	-0.06		ppb
Cobalt	59-2	-0.01	-0.01	0.00	-0.01		ppb
Copper	63-2	-0.18	-0.18	-0.16	-0.17		ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				112		%
Holmium	165-2				105		%
Indium	115-1				111		%
Indium	115-2				104		%
Iron	56-2	-0.34	-0.21	0.09	-0.15		ppb
Iron	57-2	2.52	0.50	0.37	1.13	106.50	ppb
Lead	206-1	0.05	0.00	0.03	0.02	100.67	ppb
Lead	207-1	0.06	0.06	0.00	0.04	81.95	ppb
Lead	208-1	0.02	0.02	0.02	0.02	9.83	ppb
Lithium	6-1				112		%
Magnesium	24-2	-2.99	-3.01	1.26	-1.58		ppb
Manganese	55-2	-0.14	-0.06	-0.21	-0.14		ppb

LB Number :	LB90047	Operator :	Jaswal
Lab Sample ID :	ICB	Instrumnet Name :	P8
Client Sample ID :	ICB	Dilution Factor :	1
Date & Time Acquired ::	2017-09-13 12:22:39	DataFile Name :	023CCBE_P8091317-M5

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Molybdenum	94-1	0.00	-0.01	-0.01	-0.01		ppb
Molybdenum	95-1	-0.01	0.00	0.00	0.00		ppb
Molybdenum	96-1	-0.01	-0.01	0.00	-0.01		ppb
Molybdenum	97-1	-0.03	-0.01	-0.03	-0.02		ppb
Molybdenum	98-1	0.00	0.00	0.00	0.00		ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	-0.18	-0.23	-0.20	-0.20		ppb
Phosphorus	31-2	-10.25	6.26	-10.25	-4.75		ppb
Potassium	39-2	0.44	5.34	-7.89	-0.70		ppb
Rhodium	103-1				110		%
Rhodium	103-2				106		%
Scandium	45-1				108		%
Scandium	45-2				103		%
Selenium	77-2	-1.46	6.97	-1.46	1.35	360.18	ppb
Selenium	78-2	-0.07	-0.72	0.01	-0.26		ppb
Selenium	82-1	0.89	0.31	0.00	0.40	112.71	ppb
Silicon	28-1	-18.15	-17.50	-18.09	-17.91		ppb
Silver	109-1	0.00	0.01	0.01	0.01	45.81	ppb
Silver	107-1	0.01	0.01	0.01	0.01	23.07	ppb
Sodium	23-2	-14.66	-3.19	4.34	-4.50		ppb
Strontium	86-1	-0.04	-0.06	-0.06	-0.05		ppb
Strontium	88-1	0.00	0.00	0.00	0.00		ppb
Sulfur	34-1	-521.34	-539.71	-448.06	-503.04		ppb
Terbium	159-1				111		%
Terbium	159-2				106		%
Thallium	203-1	0.06	0.06	0.08	0.06	15.08	ppb
Thallium	205-1	0.05	0.06	0.04	0.05	22.71	ppb
Tin	118-1	0.00	0.01	-0.01	0.00		ppb
Titanium	47-1	-0.05	0.03	0.03	0.00	1188.42	ppb
Uranium	238-1	-0.01	0.00	0.00	0.00		ppb
Vanadium	51-2	-0.01	-0.01	-0.03	-0.01		ppb
Yttrium	89-1				111		%
Yttrium	89-2				103		%
Zinc	66-2	-0.19	-0.02	-0.36	-0.19		ppb
Zirconium	90-1	0.00	0.00	0.00	0.00		ppb

LB Number :	LB90047	Operator :	Jaswal
Lab Sample ID :	ICB	Instrumnet Name :	P8
Client Sample ID :	ICB	Dilution Factor :	1
Date & Time Acquired ::	2017-09-13 12:22:39	DataFile Name :	023CCBE_P8091317-MS

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	91-1	0.00	0.01	0.00	0.00	380.34	ppb

LB Number :	LB90047	Operator :	Jaswal
Lab Sample ID :	ICSA	Instrumnet Name :	P8
Client Sample ID :	ICSA	Dilution Factor :	1
Date & Time Acquired ::	2017-09-13 12:25:46	DataFile Name :	024ICSA_P8091317-MS.

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	86247.69	88540.36	88176.22	87654.76	1.41	ppb
Antimony	121-1	1.30	1.19	1.22	1.23	4.51	ppb
Arsenic	75-2	0.28	0.36	0.37	0.34	14.88	ppb
Barium	135-1	1.39	1.22	1.50	1.37	10.30	ppb
Barium	137-1	1.39	1.32	1.52	1.41	7.27	ppb
Beryllium	9-1	0.24	0.29	0.25	0.26	10.68	ppb
Bismuth	209-1				110		%
Bismuth	209-2				106		%
Boron	10-1	5.65	5.40	5.75	5.60	3.16	ppb
Boron	11-1	5.21	4.78	5.38	5.13	6.04	ppb
Cadmium	111-1	0.18	0.17	0.22	0.19	14.43	ppb
Cadmium	106-1	-1.45	-2.14	-1.21	-1.60		ppb
Cadmium	108-1	6.73	7.22	7.10	7.02	3.67	ppb
Calcium	43-1	93368.29	94331.01	93215.63	93638.31	0.65	ppb
Calcium	44-1	91705.57	92396.03	91097.54	91733.05	0.71	ppb
Chromium	52-2	19.18	19.26	18.95	19.13	0.85	ppb
Cobalt	59-2	1.03	1.08	1.08	1.06	2.73	ppb
Copper	63-2	7.30	7.40	7.52	7.41	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				114		%
Holmium	165-2				109		%
Indium	115-1				108		%
Indium	115-2				103		%
Iron	56-2	94251.08	95375.93	95067.14	94898.05	0.61	ppb
Iron	57-2	96961.66	97686.49	97050.94	97233.03	0.41	ppb
Lead	206-1	4.56	4.49	4.46	4.51	1.09	ppb
Lead	207-1	3.97	3.95	3.78	3.90	2.59	ppb
Lead	208-1	4.22	4.15	4.12	4.16	1.18	ppb
Lithium	6-1				109		%
Magnesium	24-2	94571.00	96878.97	96386.88	95945.61	1.27	ppb
Manganese	55-2	7.43	7.31	7.44	7.39	0.98	ppb

LB Number :	LB90047	Operator :	Jaswal
Lab Sample ID :	ICSA	Instrumnet Name :	P8
Client Sample ID :	ICSA	Dilution Factor :	1
Date & Time Acquired ::	2017-09-13 12:25:46	DataFile Name :	024ICSA_P8091317-MS.

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Molybdenum	94-1	564.40	566.45	565.00	565.29	0.19	ppb
Molybdenum	95-1	1836.36	1834.41	1821.81	1830.86	0.43	ppb
Molybdenum	96-1	1528.13	1530.04	1517.20	1525.12	0.45	ppb
Molybdenum	97-1	1854.08	1834.99	1827.67	1838.91	0.74	ppb
Molybdenum	98-1	1839.66	1830.97	1812.61	1827.75	0.76	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	5.09	5.18	4.82	5.03	3.77	ppb
Phosphorus	31-2	94202.61	98151.27	95232.63	95862.17	2.14	ppb
Potassium	39-2	95227.44	97651.38	96805.04	96561.29	1.27	ppb
Rhodium	103-1				105		%
Rhodium	103-2				104		%
Scandium	45-1				108		%
Scandium	45-2				106		%
Selenium	77-2	6.72	-1.46	-1.46	1.27	372.32	ppb
Selenium	78-2	-0.72	-0.05	-0.05	-0.27		ppb
Selenium	82-1	0.79	0.74	1.10	0.88	22.31	ppb
Silicon	28-1	17.82	16.17	15.76	16.58	6.56	ppb
Silver	109-1	0.17	0.19	0.21	0.19	11.30	ppb
Silver	107-1	0.16	0.19	0.22	0.19	16.71	ppb
Sodium	23-2	92660.86	94382.95	93888.85	93644.22	0.95	ppb
Strontium	86-1	31.86	32.16	31.52	31.85	1.01	ppb
Strontium	88-1	32.75	32.34	32.36	32.48	0.70	ppb
Sulfur	34-1	71590.49	71948.79	71051.43	71530.24	0.63	ppb
Terbium	159-1				114		%
Terbium	159-2				109		%
Thallium	203-1	0.11	0.09	0.10	0.10	8.19	ppb
Thallium	205-1	0.10	0.08	0.08	0.09	9.77	ppb
Tin	118-1	0.12	0.16	0.16	0.15	15.75	ppb
Titanium	47-1	1892.29	1900.00	1879.51	1890.60	0.55	ppb
Uranium	238-1	0.01	0.01	0.01	0.01	29.93	ppb
Vanadium	51-2	0.15	0.13	0.11	0.13	14.86	ppb
Yttrium	89-1				109		%
Yttrium	89-2				105		%
Zinc	66-2	11.00	11.63	11.21	11.28	2.84	ppb
Zirconium	90-1	0.05	0.05	0.03	0.04	21.16	ppb

LB Number :	LB90047	Operator :	Jaswal
Lab Sample ID :	ICSA	Instrumnet Name :	P8
Client Sample ID :	ICSA	Dilution Factor :	1
Date & Time Acquired ::	2017-09-13 12:25:46	DataFile Name :	024ICSA_P8091317-MS.

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	91-1	0.04	0.05	0.03	0.04	21.23	ppb

LB Number : LB90047 Operator : Jaswal
 Lab Sample ID : ICSAB Instrumnet Name : P8
 Client Sample ID : ICSAB Dilution Factor : 1
 Date & Time Acquired :: 2017-09-13 12:28:50 DataFile Name : 025ICSB_P8091317-MS.

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	88141.97	90852.04	89129.91	89374.64	1.53	ppb
Antimony	121-1	20.75	20.38	20.65	20.59	0.94	ppb
Arsenic	75-2	18.77	19.37	19.09	19.08	1.58	ppb
Barium	135-1	21.30	21.24	21.62	21.39	0.96	ppb
Barium	137-1	21.42	21.48	20.87	21.26	1.57	ppb
Beryllium	9-1	20.01	19.84	20.47	20.11	1.61	ppb
Bismuth	209-1				107		%
Bismuth	209-2				106		%
Boron	10-1	60.21	64.01	63.30	62.51	3.23	ppb
Boron	11-1	60.65	61.15	63.27	61.69	2.26	ppb
Cadmium	111-1	19.31	19.60	19.59	19.50	0.84	ppb
Cadmium	106-1	22.88	21.90	22.38	22.38	2.19	ppb
Cadmium	108-1	29.56	27.51	28.26	28.44	3.64	ppb
Calcium	43-1	96878.11	97468.24	94234.41	96193.59	1.79	ppb
Calcium	44-1	95163.70	95771.62	93999.46	94978.26	0.95	ppb
Chromium	52-2	39.50	40.01	39.64	39.72	0.66	ppb
Cobalt	59-2	20.59	21.33	20.92	20.95	1.77	ppb
Copper	63-2	27.72	28.29	27.82	27.94	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				112		%
Holmium	165-2				109		%
Indium	115-1				105		%
Indium	115-2				103		%
Iron	56-2	96498.07	99216.98	97695.82	97803.62	1.39	ppb
Iron	57-2	97834.40	100730.75	98723.93	99096.36	1.50	ppb
Lead	206-1	24.44	24.42	24.24	24.36	0.46	ppb
Lead	207-1	22.42	22.68	22.71	22.60	0.72	ppb
Lead	208-1	23.35	23.32	23.20	23.29	0.35	ppb
Lithium	6-1				106		%
Magnesium	24-2	97266.44	98517.63	97927.87	97903.98	0.64	ppb
Manganese	55-2	27.25	28.99	27.48	27.91	3.38	ppb

LB Number :	LB90047	Operator :	Jaswal
Lab Sample ID :	ICSAB	Instrumnet Name :	P8
Client Sample ID :	ICSAB	Dilution Factor :	1
Date & Time Acquired ::	2017-09-13 12:28:50	DataFile Name :	025ICSB_P8091317-MS.

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Molybdenum	94-1	637.03	631.96	633.92	634.30	0.40	ppb
Molybdenum	95-1	1950.90	1913.06	1932.53	1932.16	0.98	ppb
Molybdenum	96-1	1622.36	1595.61	1608.66	1608.88	0.83	ppb
Molybdenum	97-1	1947.12	1928.62	1912.47	1929.40	0.90	ppb
Molybdenum	98-1	1953.48	1922.21	1926.43	1934.04	0.88	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	25.51	26.08	25.78	25.79	1.11	ppb
Phosphorus	31-2	96361.98	99984.65	95441.39	97262.68	2.47	ppb
Potassium	39-2	98163.50	100912.53	98316.19	99130.74	1.56	ppb
Rhodium	103-1				102		%
Rhodium	103-2				104		%
Scandium	45-1				105		%
Scandium	45-2				106		%
Selenium	77-2	22.95	10.81	10.77	14.84	47.30	ppb
Selenium	78-2	20.07	20.18	24.82	21.69	12.50	ppb
Selenium	82-1	20.19	20.04	19.64	19.96	1.42	ppb
Silicon	28-1	93.91	93.45	85.69	91.02	5.07	ppb
Silver	109-1	16.08	16.07	16.08	16.08	0.03	ppb
Silver	107-1	16.00	15.94	15.95	15.97	0.18	ppb
Sodium	23-2	94548.82	97957.51	95472.39	95992.91	1.84	ppb
Strontium	86-1	88.23	86.88	86.94	87.35	0.87	ppb
Strontium	88-1	91.33	90.86	89.77	90.65	0.88	ppb
Sulfur	34-1	74001.59	73971.63	71251.46	73074.89	2.16	ppb
Terbium	159-1				111		%
Terbium	159-2				109		%
Thallium	203-1	20.09	20.05	19.63	19.93	1.28	ppb
Thallium	205-1	20.30	20.26	20.10	20.22	0.53	ppb
Tin	118-1	55.87	55.73	55.24	55.61	0.60	ppb
Titanium	47-1	2013.00	1996.74	1966.96	1992.23	1.17	ppb
Uranium	238-1	55.39	55.53	55.67	55.53	0.25	ppb
Vanadium	51-2	19.03	19.55	19.58	19.39	1.60	ppb
Yttrium	89-1				107		%
Yttrium	89-2				105		%
Zinc	66-2	31.78	31.63	31.95	31.78	0.51	ppb
Zirconium	90-1	55.22	54.55	54.36	54.71	0.83	ppb

LB Number :	LB90047	Operator :	Jaswal
Lab Sample ID :	ICSAB	Instrumnet Name :	P8
Client Sample ID :	ICSAB	Dilution Factor :	1
Date & Time Acquired ::	2017-09-13 12:28:50	DataFile Name :	025ICSB_P8091317-MS.

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	91-1	55.09	53.88	54.17	54.38	1.16	ppb

LB Number :	LB90047	Operator :	Jaswal
Lab Sample ID :	CCV015	Instrumnet Name :	P8
Client Sample ID :	CCV015	Dilution Factor :	1
Date & Time Acquired ::	2017-09-13 12:35:56	DataFile Name :	027CCV_P8091317-MS.I

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	49984.97	49647.04	49301.73	49644.58	0.69	ppb
Antimony	121-1	508.25	503.57	507.30	506.37	0.49	ppb
Arsenic	75-2	500.98	489.20	492.81	494.33	1.22	ppb
Barium	135-1	2573.02	2541.13	2531.86	2548.67	0.85	ppb
Barium	137-1	2541.81	2508.87	2522.78	2524.49	0.66	ppb
Beryllium	9-1	499.10	509.12	510.36	506.19	1.22	ppb
Bismuth	209-1				104		%
Bismuth	209-2				101		%
Boron	10-1	497.09	513.16	524.74	511.66	2.71	ppb
Boron	11-1	499.16	521.00	534.58	518.25	3.45	ppb
Cadmium	111-1	489.12	486.79	491.91	489.27	0.52	ppb
Cadmium	106-1	501.52	490.08	493.79	495.13	1.18	ppb
Cadmium	108-1	489.23	492.56	498.83	493.54	0.99	ppb
Calcium	43-1	237693.71	238078.94	238145.64	237972.76	0.10	ppb
Calcium	44-1	236070.12	236232.49	237192.76	236498.45	0.26	ppb
Chromium	52-2	509.00	507.00	499.37	505.12	1.01	ppb
Cobalt	59-2	491.53	482.20	480.69	484.80	1.21	ppb
Copper	63-2	991.55	976.55	985.30	984.47	0.77	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				108		%
Holmium	165-2				105		%
Indium	115-1				102		%
Indium	115-2				99		%
Iron	56-2	121698.05	122068.25	121252.21	121672.84	0.34	ppb
Iron	57-2	124141.22	122830.51	122985.16	123318.96	0.58	ppb
Lead	206-1	503.50	498.40	506.90	502.94	0.85	ppb
Lead	207-1	504.80	506.82	506.33	505.98	0.21	ppb
Lead	208-1	505.81	506.45	504.65	505.64	0.18	ppb
Lithium	6-1				103		%
Magnesium	24-2	247253.84	246427.50	242548.81	245410.05	1.02	ppb
Manganese	55-2	1011.83	1024.90	1012.42	1016.38	0.73	ppb

LB Number :	LB90047	Operator :	Jaswal
Lab Sample ID :	CCV015	Instrumnet Name :	P8
Client Sample ID :	CCV015	Dilution Factor :	1
Date & Time Acquired ::	2017-09-13 12:35:56	DataFile Name :	027CCV_P8091317-MS.I

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Molybdenum	94-1	500.23	511.72	503.47	505.14	1.17	ppb
Molybdenum	95-1	505.74	505.43	506.36	505.84	0.09	ppb
Molybdenum	96-1	504.82	507.78	501.31	504.64	0.64	ppb
Molybdenum	97-1	491.98	496.48	497.54	495.34	0.60	ppb
Molybdenum	98-1	503.74	504.32	500.21	502.75	0.44	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	497.72	492.01	490.90	493.55	0.74	ppb
Phosphorus	31-2	10008.29	10543.85	10150.67	10234.27	2.71	ppb
Potassium	39-2	126048.45	125531.82	123700.29	125093.52	0.99	ppb
Rhodium	103-1				99		%
Rhodium	103-2				100		%
Scandium	45-1				102		%
Scandium	45-2				104		%
Selenium	77-2	459.12	538.35	408.62	468.70	13.95	ppb
Selenium	78-2	540.11	489.40	495.04	508.18	5.47	ppb
Selenium	82-1	487.15	490.32	491.34	489.61	0.45	ppb
Silicon	28-1	507.55	511.01	512.05	510.21	0.46	ppb
Silver	109-1	455.25	455.83	454.47	455.18	0.15	ppb
Silver	107-1	454.39	452.94	454.86	454.06	0.22	ppb
Sodium	23-2	244414.33	243131.26	239848.28	242464.62	0.97	ppb
Strontium	86-1	503.60	508.11	511.79	507.84	0.81	ppb
Strontium	88-1	511.07	517.29	514.47	514.28	0.61	ppb
Sulfur	34-1	9773.39	9398.22	9495.39	9555.67	2.04	ppb
Terbium	159-1				107		%
Terbium	159-2				105		%
Thallium	203-1	504.60	507.90	503.82	505.44	0.43	ppb
Thallium	205-1	503.97	504.23	500.06	502.75	0.46	ppb
Tin	118-1	518.51	510.37	509.30	512.73	0.98	ppb
Titanium	47-1	497.34	497.48	500.64	498.49	0.37	ppb
Uranium	238-1	506.00	506.52	506.12	506.21	0.05	ppb
Vanadium	51-2	509.51	504.88	502.29	505.56	0.72	ppb
Yttrium	89-1				104		%
Yttrium	89-2				102		%
Zinc	66-2	1001.23	974.98	976.85	984.35	1.49	ppb
Zirconium	90-1	498.45	496.15	504.05	499.55	0.81	ppb

LB Number :	LB90047	Operator :	Jaswal
Lab Sample ID :	CCV015	Instrumnet Name :	P8
Client Sample ID :	CCV015	Dilution Factor :	1
Date & Time Acquired ::	2017-09-13 12:35:56	DataFile Name :	027CCV_P8091317-MS.I

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	91-1	503.20	506.14	510.45	506.60	0.72	ppb

LB Number :	LB90047	Operator :	Jaswal
Lab Sample ID :	CCB015	Instrumnet Name :	P8
Client Sample ID :	CCB015	Dilution Factor :	1
Date & Time Acquired ::	2017-09-13 12:39:03	DataFile Name :	028CCBE_P8091317-M5

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	-1.31	0.04	-1.27	-0.85		ppb
Antimony	121-1	0.42	0.37	0.39	0.39	6.22	ppb
Arsenic	75-2	0.04	0.04	0.07	0.05	34.01	ppb
Barium	135-1	0.00	-0.01	0.00	0.00		ppb
Barium	137-1	0.00	0.01	0.01	0.00	105.26	ppb
Beryllium	9-1	0.18	0.20	0.15	0.18	13.23	ppb
Bismuth	209-1				104		%
Bismuth	209-2				105		%
Boron	10-1	18.42	15.31	13.07	15.60	17.23	ppb
Boron	11-1	16.22	14.83	12.45	14.50	13.14	ppb
Cadmium	111-1	-0.07	-0.04	-0.03	-0.05		ppb
Cadmium	106-1	-1.25	-0.74	-0.58	-0.86		ppb
Cadmium	108-1	0.11	0.07	0.07	0.08	29.27	ppb
Calcium	43-1	-3.69	-7.80	-4.46	-5.32		ppb
Calcium	44-1	10.46	4.17	-0.31	4.77	113.34	ppb
Chromium	52-2	-0.04	-0.04	-0.09	-0.05		ppb
Cobalt	59-2	-0.02	0.00	-0.01	-0.01		ppb
Copper	63-2	-0.20	-0.11	-0.14	-0.15		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				104		%
Holmium	165-2				105		%
Indium	115-1				102		%
Indium	115-2				103		%
Iron	56-2	1.62	1.94	1.60	1.72	11.23	ppb
Iron	57-2	0.35	1.87	-0.57	0.55	224.80	ppb
Lead	206-1	0.11	0.09	0.07	0.09	22.58	ppb
Lead	207-1	0.12	0.08	0.11	0.11	20.43	ppb
Lead	208-1	0.10	0.08	0.08	0.08	14.02	ppb
Lithium	6-1				102		%
Magnesium	24-2	-1.95	-2.23	-0.93	-1.70		ppb
Manganese	55-2	-0.19	-0.17	-0.14	-0.17		ppb

LB Number :	LB90047	Operator :	Jaswal
Lab Sample ID :	CCB015	Instrumnet Name :	P8
Client Sample ID :	CCB015	Dilution Factor :	1
Date & Time Acquired ::	2017-09-13 12:39:03	DataFile Name :	028CCBE_P8091317-M5

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Molybdenum	94-1	0.06	0.05	0.06	0.06	6.22	ppb
Molybdenum	95-1	0.15	0.12	0.13	0.13	11.41	ppb
Molybdenum	96-1	0.09	0.11	0.12	0.11	16.07	ppb
Molybdenum	97-1	0.11	0.09	0.11	0.10	8.55	ppb
Molybdenum	98-1	0.13	0.12	0.11	0.12	10.21	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	-0.32	-0.36	-0.26	-0.31		ppb
Phosphorus	31-2	54.08	24.07	-10.25	22.63	142.23	ppb
Potassium	39-2	9.16	21.62	-1.70	9.69	120.43	ppb
Rhodium	103-1				102		%
Rhodium	103-2				104		%
Scandium	45-1				100		%
Scandium	45-2				102		%
Selenium	77-2	-1.46	-1.46	-1.46	-1.46		ppb
Selenium	78-2	-0.04	1.40	-0.03	0.44	186.71	ppb
Selenium	82-1	0.37	0.25	0.30	0.31	19.93	ppb
Silicon	28-1	-7.74	-15.69	-16.50	-13.31		ppb
Silver	109-1	0.04	0.04	0.03	0.04	13.15	ppb
Silver	107-1	0.47	0.04	0.04	0.19	132.23	ppb
Sodium	23-2	75.25	94.37	93.61	87.74	12.34	ppb
Strontium	86-1	-0.06	-0.05	-0.07	-0.06		ppb
Strontium	88-1	0.00	0.00	0.00	0.00		ppb
Sulfur	34-1	111.72	-45.98	-486.44	-140.23		ppb
Terbium	159-1				104		%
Terbium	159-2				104		%
Thallium	203-1	0.18	0.13	0.14	0.15	16.47	ppb
Thallium	205-1	0.15	0.14	0.13	0.14	10.01	ppb
Tin	118-1	0.16	0.16	0.18	0.16	7.50	ppb
Titanium	47-1	0.04	0.01	0.00	0.02	105.48	ppb
Uranium	238-1	0.00	0.00	0.00	0.00		ppb
Vanadium	51-2	-0.01	-0.02	0.01	-0.01		ppb
Yttrium	89-1				102		%
Yttrium	89-2				102		%
Zinc	66-2	-0.08	-0.24	-0.23	-0.18		ppb
Zirconium	90-1	0.04	0.02	0.04	0.03	26.09	ppb

LB Number :	LB90047	Operator :	Jaswal
Lab Sample ID :	CCB015	Instrumnet Name :	P8
Client Sample ID :	CCB015	Dilution Factor :	1
Date & Time Acquired ::	2017-09-13 12:39:03	DataFile Name :	028CCBE_P8091317-MS

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	91-1	0.03	0.03	0.03	0.03	11.70	ppb

LB Number :	LB90047	Operator :	Jaswal
Lab Sample ID :	CRI	Instrumnet Name :	P8
Client Sample ID :	CRI	Dilution Factor :	1
Date & Time Acquired ::	2017-09-13 12:42:11	DataFile Name :	029SMPL_P8091317-MS

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	18.93	18.64	13.92	17.16	16.38	ppb
Antimony	121-1	1.91	1.90	1.99	1.93	2.58	ppb
Arsenic	75-2	0.89	1.07	0.94	0.97	9.56	ppb
Barium	135-1	9.25	8.90	9.28	9.14	2.36	ppb
Barium	137-1	8.94	8.75	8.84	8.84	1.08	ppb
Beryllium	9-1	0.98	0.96	0.81	0.92	9.67	ppb
Bismuth	209-1				108		%
Bismuth	209-2				109		%
Boron	10-1	31.09	31.29	25.69	29.36	10.82	ppb
Boron	11-1	29.32	27.26	28.37	28.32	3.64	ppb
Cadmium	111-1	0.83	0.79	0.86	0.83	3.99	ppb
Cadmium	106-1	-0.81	-0.55	-1.23	-0.86		ppb
Cadmium	108-1	0.96	0.79	0.96	0.90	10.95	ppb
Calcium	43-1	405.45	448.21	424.64	426.10	5.03	ppb
Calcium	44-1	422.24	430.54	426.08	426.29	0.97	ppb
Chromium	52-2	1.95	1.97	1.84	1.92	3.42	ppb
Cobalt	59-2	0.87	0.83	0.86	0.85	2.07	ppb
Copper	63-2	1.86	1.89	1.89	1.88	0.83	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				109		%
Holmium	165-2				108		%
Indium	115-1				108		%
Indium	115-2				106		%
Iron	56-2	44.76	45.49	45.55	45.27	0.97	ppb
Iron	57-2	46.84	48.97	46.08	47.29	3.18	ppb
Lead	206-1	1.12	1.16	1.09	1.12	3.04	ppb
Lead	207-1	1.12	1.11	1.07	1.10	2.37	ppb
Lead	208-1	1.11	1.13	1.09	1.11	1.57	ppb
Lithium	6-1				109		%
Magnesium	24-2	406.45	426.25	427.24	419.98	2.79	ppb
Manganese	55-2	0.62	0.68	0.46	0.59	19.34	ppb

LB Number :	LB90047	Operator :	Jaswal
Lab Sample ID :	CRI	Instrumnet Name :	P8
Client Sample ID :	CRI	Dilution Factor :	1
Date & Time Acquired ::	2017-09-13 12:42:11	DataFile Name :	029SMPL_P8091317-MS

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Molybdenum	94-1	1.98	2.01	1.89	1.96	3.12	ppb
Molybdenum	95-1	4.41	4.43	4.32	4.39	1.41	ppb
Molybdenum	96-1	3.79	3.87	3.78	3.81	1.32	ppb
Molybdenum	97-1	4.29	4.51	4.35	4.38	2.50	ppb
Molybdenum	98-1	4.23	4.46	4.32	4.33	2.69	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.66	0.67	0.65	0.66	2.01	ppb
Phosphorus	31-2	-10.25	-10.25	5.61	-4.96		ppb
Potassium	39-2	482.86	442.36	463.03	462.75	4.38	ppb
Rhodium	103-1				107		%
Rhodium	103-2				107		%
Scandium	45-1				106		%
Scandium	45-2				106		%
Selenium	77-2	2.60	-1.46	-1.46	-0.10		ppb
Selenium	78-2	7.99	5.26	9.34	7.53	27.62	ppb
Selenium	82-1	5.22	5.39	5.55	5.39	3.08	ppb
Silicon	28-1	-8.31	-8.50	-7.93	-8.25		ppb
Silver	109-1	1.03	1.05	1.04	1.04	1.21	ppb
Silver	107-1	1.05	1.05	1.03	1.04	1.29	ppb
Sodium	23-2	496.40	480.63	482.66	486.56	1.76	ppb
Strontium	86-1	0.88	0.82	0.78	0.83	6.12	ppb
Strontium	88-1	0.92	0.91	0.91	0.91	0.65	ppb
Sulfur	34-1	-881.49	-639.77	-728.68	-749.98		ppb
Terbium	159-1				109		%
Terbium	159-2				108		%
Thallium	203-1	0.97	0.96	1.01	0.98	2.97	ppb
Thallium	205-1	1.01	0.96	0.98	0.98	2.78	ppb
Tin	118-1	4.41	4.69	4.69	4.60	3.60	ppb
Titanium	47-1	4.10	4.52	4.60	4.40	6.10	ppb
Uranium	238-1	0.87	0.84	0.87	0.86	2.36	ppb
Vanadium	51-2	4.68	4.54	4.23	4.48	5.17	ppb
Yttrium	89-1				107		%
Yttrium	89-2				106		%
Zinc	66-2	2.43	1.99	1.92	2.11	13.14	ppb
Zirconium	90-1	0.89	0.96	0.91	0.92	3.96	ppb

LB Number :	LB90047	Operator :	Jaswal
Lab Sample ID :	CRI	Instrumnet Name :	P8
Client Sample ID :	CRI	Dilution Factor :	1
Date & Time Acquired ::	2017-09-13 12:42:11	DataFile Name :	029SMPL_P8091317-MS

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	91-1	1.00	0.93	0.93	0.95	4.67	ppb

LB Number :	LB90047	Operator :	Jaswal
Lab Sample ID :	PB102280BL	Instrumnet Name :	P8
Client Sample ID :	PBW007	Dilution Factor :	1
Date & Time Acquired ::	2017-09-13 12:45:19	DataFile Name :	030CCBE_P8091317-M5

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	2.35	-0.09	-0.08	0.73	194.24	ppb
Antimony	121-1	0.07	0.08	0.08	0.08	6.80	ppb
Arsenic	75-2	-0.04	-0.02	0.01	-0.02		ppb
Barium	135-1	-0.02	0.00	-0.02	-0.02		ppb
Barium	137-1	0.00	0.00	-0.01	0.00		ppb
Beryllium	9-1	0.08	0.02	0.08	0.06	55.05	ppb
Bismuth	209-1				101		%
Bismuth	209-2				105		%
Boron	10-1	8.26	6.81	7.83	7.63	9.79	ppb
Boron	11-1	7.10	7.03	6.89	7.01	1.57	ppb
Cadmium	111-1	-0.13	-0.06	-0.07	-0.09		ppb
Cadmium	106-1	-1.74	-0.89	-1.22	-1.28		ppb
Cadmium	108-1	0.15	0.11	-0.02	0.08	113.69	ppb
Calcium	43-1	4.03	-4.93	4.63	1.24	430.30	ppb
Calcium	44-1	7.37	-2.43	1.90	2.28	215.43	ppb
Chromium	52-2	-0.09	0.08	-0.01	-0.01		ppb
Cobalt	59-2	-0.03	-0.02	-0.01	-0.02		ppb
Copper	63-2	-0.16	-0.21	-0.17	-0.18		ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				101		%
Holmium	165-2				105		%
Indium	115-1				100		%
Indium	115-2				103		%
Iron	56-2	0.55	0.87	0.70	0.71	22.16	ppb
Iron	57-2	-0.27	-1.04	0.08	-0.41		ppb
Lead	206-1	0.05	0.07	0.08	0.06	21.36	ppb
Lead	207-1	0.05	0.04	0.06	0.05	14.64	ppb
Lead	208-1	0.05	0.04	0.06	0.05	20.12	ppb
Lithium	6-1				100		%
Magnesium	24-2	-0.80	1.37	1.67	0.75	180.04	ppb
Manganese	55-2	-0.27	-0.20	-0.27	-0.25		ppb

LB Number :	LB90047	Operator :	Jaswal
Lab Sample ID :	PB102280BL	Instrumnet Name :	P8
Client Sample ID :	PBW007	Dilution Factor :	1
Date & Time Acquired ::	2017-09-13 12:45:19	DataFile Name :	030CCBE_P8091317-M8

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Molybdenum	94-1	0.01	0.02	0.02	0.01	38.77	ppb
Molybdenum	95-1	0.02	0.06	0.03	0.04	53.50	ppb
Molybdenum	96-1	0.02	0.02	0.05	0.03	57.76	ppb
Molybdenum	97-1	-0.01	0.00	0.03	0.01	315.75	ppb
Molybdenum	98-1	0.02	0.03	0.03	0.03	17.25	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	-0.23	-0.30	-0.22	-0.25		ppb
Phosphorus	31-2	22.58	6.02	6.09	11.56	82.47	ppb
Potassium	39-2	11.29	-6.76	1.64	2.06	438.49	ppb
Rhodium	103-1				99		%
Rhodium	103-2				104		%
Scandium	45-1				98		%
Scandium	45-2				103		%
Selenium	77-2	-1.46	-1.46	-1.46	-1.46		ppb
Selenium	78-2	-0.02	0.64	-0.04	0.20	197.03	ppb
Selenium	82-1	0.13	-0.30	-0.03	-0.07		ppb
Silicon	28-1	-8.04	-13.89	-12.39	-11.44		ppb
Silver	109-1	0.02	0.03	0.03	0.02	17.36	ppb
Silver	107-1	0.02	0.03	0.03	0.03	13.47	ppb
Sodium	23-2	17.39	22.31	21.18	20.30	12.72	ppb
Strontium	86-1	-0.02	-0.03	-0.03	-0.03		ppb
Strontium	88-1	0.00	0.00	0.00	0.00		ppb
Sulfur	34-1	373.95	-199.94	135.65	103.22	279.32	ppb
Terbium	159-1				100		%
Terbium	159-2				105		%
Thallium	203-1	0.05	0.04	0.04	0.05	16.33	ppb
Thallium	205-1	0.05	0.04	0.04	0.04	18.46	ppb
Tin	118-1	0.04	0.05	0.05	0.04	15.79	ppb
Titanium	47-1	0.03	-0.01	-0.03	0.00		ppb
Uranium	238-1	-0.01	0.00	0.00	-0.01		ppb
Vanadium	51-2	-0.01	-0.02	-0.01	-0.01		ppb
Yttrium	89-1				100		%
Yttrium	89-2				103		%
Zinc	66-2	-0.25	0.06	-0.30	-0.16		ppb
Zirconium	90-1	0.02	0.00	0.01	0.01	73.12	ppb

LB Number :	LB90047	Operator :	Jaswal
Lab Sample ID :	PB102280BL	Instrumnet Name :	P8
Client Sample ID :	PBW007	Dilution Factor :	1
Date & Time Acquired ::	2017-09-13 12:45:19	DataFile Name :	030CCBE_P8091317-MS

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	91-1	0.00	0.01	0.01	0.01	51.79	ppb

LB Number :	LB90047	Operator :	Jaswal
Lab Sample ID :	PB102280BS	Instrumnet Name :	P8
Client Sample ID :	LCS007	Dilution Factor :	1
Date & Time Acquired ::	2017-09-13 12:48:27	DataFile Name :	031LCSE_P8091317-MS

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	32.84	36.41	35.20	34.81	5.22	ppb
Antimony	121-1	4.05	3.97	3.96	3.99	1.24	ppb
Arsenic	75-2	2.22	1.84	1.74	1.93	13.28	ppb
Barium	135-1	19.30	19.34	19.18	19.28	0.44	ppb
Barium	137-1	19.57	19.23	19.13	19.31	1.21	ppb
Beryllium	9-1	2.04	1.89	2.01	1.98	4.13	ppb
Bismuth	209-1				109		%
Bismuth	209-2				113		%
Boron	10-1	50.10	50.61	50.20	50.31	0.54	ppb
Boron	11-1	49.07	49.44	50.89	49.80	1.93	ppb
Cadmium	111-1	2.09	1.93	1.97	2.00	4.18	ppb
Cadmium	106-1	1.60	1.03	1.27	1.30	22.25	ppb
Cadmium	108-1	1.48	1.93	2.24	1.88	20.40	ppb
Calcium	43-1	897.18	921.98	905.62	908.26	1.39	ppb
Calcium	44-1	915.14	921.46	905.16	913.92	0.90	ppb
Chromium	52-2	3.69	3.99	4.01	3.90	4.56	ppb
Cobalt	59-2	1.95	1.92	1.93	1.93	0.87	ppb
Copper	63-2	4.09	4.10	4.16	4.12	0.83	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				110		%
Holmium	165-2				110		%
Indium	115-1				110		%
Indium	115-2				108		%
Iron	56-2	379.64	382.88	384.76	382.43	0.68	ppb
Iron	57-2	361.30	372.43	389.05	374.26	3.73	ppb
Lead	206-1	2.27	2.19	2.23	2.23	1.91	ppb
Lead	207-1	2.28	2.14	2.29	2.24	3.71	ppb
Lead	208-1	2.29	2.22	2.29	2.27	1.77	ppb
Lithium	6-1				110		%
Magnesium	24-2	919.12	924.88	935.51	926.50	0.90	ppb
Manganese	55-2	1.80	2.10	2.25	2.05	11.06	ppb

LB Number :	LB90047	Operator :	Jaswal
Lab Sample ID :	PB102280BS	Instrumnet Name :	P8
Client Sample ID :	LCS007	Dilution Factor :	1
Date & Time Acquired ::	2017-09-13 12:48:27	DataFile Name :	031LCSE_P8091317-MS

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Molybdenum	94-1	4.22	4.21	4.30	4.24	1.15	ppb
Molybdenum	95-1	9.51	9.52	9.62	9.55	0.64	ppb
Molybdenum	96-1	8.00	7.84	7.95	7.93	0.99	ppb
Molybdenum	97-1	9.50	9.53	9.37	9.47	0.95	ppb
Molybdenum	98-1	9.28	9.26	9.27	9.27	0.12	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	1.74	1.66	1.94	1.78	8.18	ppb
Phosphorus	31-2	-10.25	-10.25	5.20	-5.10		ppb
Potassium	39-2	958.36	977.29	942.04	959.23	1.84	ppb
Rhodium	103-1				109		%
Rhodium	103-2				109		%
Scandium	45-1				107		%
Scandium	45-2				109		%
Selenium	77-2	2.52	22.52	18.22	14.42	72.99	ppb
Selenium	78-2	11.77	11.14	13.55	12.15	10.28	ppb
Selenium	82-1	10.52	10.86	9.91	10.43	4.64	ppb
Silicon	28-1	5.85	4.73	1.89	4.16	49.08	ppb
Silver	109-1	1.79	1.82	1.73	1.78	2.62	ppb
Silver	107-1	1.79	1.77	1.77	1.78	0.51	ppb
Sodium	23-2	953.58	945.37	956.63	951.86	0.61	ppb
Strontium	86-1	2.05	1.94	1.94	1.98	3.33	ppb
Strontium	88-1	2.01	2.04	2.04	2.03	0.85	ppb
Sulfur	34-1	-577.98	-858.07	-843.79	-759.94		ppb
Terbium	159-1				110		%
Terbium	159-2				110		%
Thallium	203-1	1.90	1.96	1.90	1.92	1.93	ppb
Thallium	205-1	1.93	1.97	1.96	1.95	1.01	ppb
Tin	118-1	10.20	9.76	9.76	9.91	2.52	ppb
Titanium	47-1	9.20	8.72	9.56	9.16	4.61	ppb
Uranium	238-1	1.81	1.83	1.88	1.84	1.74	ppb
Vanadium	51-2	9.62	9.68	9.62	9.64	0.40	ppb
Yttrium	89-1				109		%
Yttrium	89-2				108		%
Zinc	66-2	3.08	4.12	4.22	3.81	16.52	ppb
Zirconium	90-1	1.87	1.94	1.89	1.90	1.92	ppb

LB Number :	LB90047	Operator :	Jaswal
Lab Sample ID :	PB102280BS	Instrumnet Name :	P8
Client Sample ID :	LCS007	Dilution Factor :	1
Date & Time Acquired ::	2017-09-13 12:48:27	DataFile Name :	031LCSE_P8091317-MS

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	91-1	1.98	1.92	1.87	1.93	2.78	ppb

LB Number :	LB90047	Operator :	Jaswal
Lab Sample ID :	PB102281BL	Instrumnet Name :	P8
Client Sample ID :	PBW007	Dilution Factor :	1
Date & Time Acquired ::	2017-09-13 12:51:35	DataFile Name :	032CCBE_P8091317-M5

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	-1.27	-2.50	1.04	-0.91		ppb
Antimony	121-1	0.04	0.06	0.04	0.04	21.91	ppb
Arsenic	75-2	-0.01	-0.01	0.01	0.00		ppb
Barium	135-1	0.00	0.02	0.01	0.01	132.29	ppb
Barium	137-1	-0.01	-0.01	-0.01	-0.01		ppb
Beryllium	9-1	0.03	0.05	0.03	0.04	33.65	ppb
Bismuth	209-1				106		%
Bismuth	209-2				107		%
Boron	10-1	8.60	6.31	7.03	7.31	16.04	ppb
Boron	11-1	5.52	6.43	6.65	6.20	9.61	ppb
Cadmium	111-1	-0.03	-0.07	-0.06	-0.05		ppb
Cadmium	106-1	-0.32	-1.06	-0.75	-0.71		ppb
Cadmium	108-1	0.09	0.01	0.01	0.04	126.41	ppb
Calcium	43-1	-10.19	2.84	7.42	0.02	38861.02	ppb
Calcium	44-1	-12.80	-2.88	0.90	-4.93		ppb
Chromium	52-2	-0.08	-0.04	-0.14	-0.09		ppb
Cobalt	59-2	-0.02	-0.02	-0.02	-0.02		ppb
Copper	63-2	-0.18	-0.18	-0.17	-0.18		ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				106		%
Holmium	165-2				105		%
Indium	115-1				105		%
Indium	115-2				104		%
Iron	56-2	0.53	0.52	0.69	0.58	16.58	ppb
Iron	57-2	-0.56	-0.64	-0.76	-0.65		ppb
Lead	206-1	0.07	0.08	0.09	0.08	10.57	ppb
Lead	207-1	0.03	0.08	0.06	0.06	43.57	ppb
Lead	208-1	0.06	0.06	0.07	0.06	7.91	ppb
Lithium	6-1				105		%
Magnesium	24-2	-2.94	0.20	0.42	-0.77		ppb
Manganese	55-2	-0.17	-0.12	-0.18	-0.16		ppb

LB Number :	LB90047	Operator :	Jaswal
Lab Sample ID :	PB102281BL	Instrumnet Name :	P8
Client Sample ID :	PBW007	Dilution Factor :	1
Date & Time Acquired ::	2017-09-13 12:51:35	DataFile Name :	032CCBE_P8091317-M8

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Molybdenum	94-1	0.00	0.02	0.00	0.01	156.79	ppb
Molybdenum	95-1	0.01	0.02	0.01	0.01	35.08	ppb
Molybdenum	96-1	0.00	0.01	0.02	0.01	99.79	ppb
Molybdenum	97-1	0.04	0.01	-0.01	0.01	247.27	ppb
Molybdenum	98-1	0.01	0.01	0.01	0.01	28.37	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	-0.28	-0.38	-0.22	-0.29		ppb
Phosphorus	31-2	6.44	6.14	-10.25	0.78	1229.86	ppb
Potassium	39-2	-21.30	4.32	-11.86	-9.62		ppb
Rhodium	103-1				104		%
Rhodium	103-2				105		%
Scandium	45-1				103		%
Scandium	45-2				103		%
Selenium	77-2	-1.46	-1.46	-1.46	-1.46		ppb
Selenium	78-2	-0.02	0.65	-0.05	0.19	203.99	ppb
Selenium	82-1	-0.57	-0.10	0.56	-0.04		ppb
Silicon	28-1	-24.06	-14.14	-9.89	-16.03		ppb
Silver	109-1	0.03	0.04	0.03	0.03	16.30	ppb
Silver	107-1	0.03	0.04	0.03	0.03	14.20	ppb
Sodium	23-2	10.92	16.46	9.82	12.40	28.70	ppb
Strontium	86-1	-0.05	-0.09	-0.09	-0.08		ppb
Strontium	88-1	0.00	0.00	0.00	0.00		ppb
Sulfur	34-1	-822.17	53.01	795.20	8.68	9325.03	ppb
Terbium	159-1				105		%
Terbium	159-2				105		%
Thallium	203-1	0.00	0.03	0.03	0.02	72.28	ppb
Thallium	205-1	0.03	0.02	0.03	0.03	22.69	ppb
Tin	118-1	0.03	0.04	0.04	0.04	14.64	ppb
Titanium	47-1	0.02	-0.05	-0.06	-0.03		ppb
Uranium	238-1	-0.01	-0.01	0.00	-0.01		ppb
Vanadium	51-2	-0.01	0.00	0.00	0.00		ppb
Yttrium	89-1				104		%
Yttrium	89-2				103		%
Zinc	66-2	0.03	-0.30	-0.24	-0.17		ppb
Zirconium	90-1	0.01	0.02	0.01	0.01	45.32	ppb

LB Number :	LB90047	Operator :	Jaswal
Lab Sample ID :	PB102281BL	Instrumnet Name :	P8
Client Sample ID :	PBW007	Dilution Factor :	1
Date & Time Acquired ::	2017-09-13 12:51:35	DataFile Name :	032CCBE_P8091317-MS

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	91-1	0.01	0.02	0.00	0.01	79.38	ppb

LB Number :	LB90047	Operator :	Jaswal
Lab Sample ID :	PB102281BS	Instrumnet Name :	P8
Client Sample ID :	LCS007	Dilution Factor :	1
Date & Time Acquired ::	2017-09-13 12:54:43	DataFile Name :	033LCSE_P8091317-MS

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	30.93	37.79	41.18	36.63	14.24	ppb
Antimony	121-1	3.90	3.70	3.87	3.82	2.91	ppb
Arsenic	75-2	2.03	2.08	2.33	2.14	7.58	ppb
Barium	135-1	19.18	18.92	19.85	19.32	2.49	ppb
Barium	137-1	19.06	18.56	18.80	18.81	1.31	ppb
Beryllium	9-1	2.05	1.89	1.97	1.97	4.03	ppb
Bismuth	209-1				109		%
Bismuth	209-2				113		%
Boron	10-1	50.75	50.92	48.92	50.20	2.22	ppb
Boron	11-1	47.83	47.12	48.57	47.84	1.51	ppb
Cadmium	111-1	1.90	1.80	1.97	1.89	4.66	ppb
Cadmium	106-1	1.80	0.15	1.73	1.23	75.90	ppb
Cadmium	108-1	1.78	2.24	2.54	2.18	17.54	ppb
Calcium	43-1	856.43	845.10	914.39	871.97	4.26	ppb
Calcium	44-1	889.98	888.62	898.56	892.39	0.60	ppb
Chromium	52-2	3.82	3.79	3.91	3.84	1.69	ppb
Cobalt	59-2	1.89	1.94	1.84	1.89	2.64	ppb
Copper	63-2	3.96	4.04	4.22	4.08	3.29	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				110		%
Holmium	165-2				110		%
Indium	115-1				108		%
Indium	115-2				108		%
Iron	56-2	380.50	373.46	377.43	377.13	0.94	ppb
Iron	57-2	376.32	361.82	386.97	375.04	3.37	ppb
Lead	206-1	2.23	2.16	2.23	2.21	1.79	ppb
Lead	207-1	2.22	2.20	2.26	2.23	1.42	ppb
Lead	208-1	2.24	2.18	2.20	2.21	1.40	ppb
Lithium	6-1				110		%
Magnesium	24-2	947.20	924.83	928.79	933.61	1.28	ppb
Manganese	55-2	2.12	1.89	1.68	1.90	11.55	ppb

LB Number :	LB90047	Operator :	Jaswal
Lab Sample ID :	PB102281BS	Instrumnet Name :	P8
Client Sample ID :	LCS007	Dilution Factor :	1
Date & Time Acquired ::	2017-09-13 12:54:43	DataFile Name :	033LCSE_P8091317-MS

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Molybdenum	94-1	4.10	4.14	4.12	4.12	0.43	ppb
Molybdenum	95-1	9.26	8.93	9.30	9.16	2.23	ppb
Molybdenum	96-1	7.83	7.72	7.79	7.78	0.70	ppb
Molybdenum	97-1	9.50	8.92	9.34	9.25	3.27	ppb
Molybdenum	98-1	9.09	8.97	8.98	9.01	0.73	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	1.72	1.62	1.76	1.70	4.48	ppb
Phosphorus	31-2	5.34	20.90	5.29	10.51	85.61	ppb
Potassium	39-2	941.36	924.77	884.73	916.95	3.17	ppb
Rhodium	103-1				109		%
Rhodium	103-2				110		%
Scandium	45-1				107		%
Scandium	45-2				108		%
Selenium	77-2	22.34	6.49	14.47	14.43	54.92	ppb
Selenium	78-2	14.98	11.07	11.76	12.60	16.55	ppb
Selenium	82-1	11.14	9.91	9.63	10.23	7.84	ppb
Silicon	28-1	6.54	0.42	3.30	3.42	89.66	ppb
Silver	109-1	1.77	1.71	1.82	1.77	3.27	ppb
Silver	107-1	1.79	1.72	1.79	1.77	2.19	ppb
Sodium	23-2	948.88	941.04	923.92	937.95	1.36	ppb
Strontium	86-1	1.93	1.84	1.98	1.92	3.63	ppb
Strontium	88-1	1.99	2.00	1.99	1.99	0.33	ppb
Sulfur	34-1	-189.46	-397.42	-606.51	-397.80		ppb
Terbium	159-1				110		%
Terbium	159-2				110		%
Thallium	203-1	1.85	1.87	1.81	1.84	1.67	ppb
Thallium	205-1	1.87	1.89	1.82	1.86	1.89	ppb
Tin	118-1	9.39	9.57	9.49	9.48	0.93	ppb
Titanium	47-1	9.30	9.34	9.46	9.37	0.88	ppb
Uranium	238-1	1.85	1.81	1.75	1.80	2.72	ppb
Vanadium	51-2	9.41	9.37	9.00	9.26	2.48	ppb
Yttrium	89-1				109		%
Yttrium	89-2				108		%
Zinc	66-2	3.87	4.43	4.18	4.16	6.77	ppb
Zirconium	90-1	1.79	1.83	1.84	1.82	1.55	ppb

LB Number :	LB90047	Operator :	Jaswal
Lab Sample ID :	PB102281BS	Instrumnet Name :	P8
Client Sample ID :	LCS007	Dilution Factor :	1
Date & Time Acquired ::	2017-09-13 12:54:43	DataFile Name :	033LCSE_P8091317-MS

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	91-1	1.85	1.74	1.86	1.82	3.81	ppb

LB Number :	LB90047	Operator :	Jaswal
Lab Sample ID :	I5192-05	Instrumnet Name :	P8
Client Sample ID :	MBDD16	Dilution Factor :	1
Date & Time Acquired ::	2017-09-13 12:57:51	DataFile Name :	034SMPL_P8091317-MS

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	218.54	248.63	263.41	243.53	9.39	ppb
Antimony	121-1	0.07	0.06	0.07	0.06	6.45	ppb
Arsenic	75-2	0.87	0.78	0.48	0.71	29.25	ppb
Barium	135-1	92.07	93.67	91.05	92.26	1.43	ppb
Barium	137-1	90.85	92.15	89.81	90.94	1.29	ppb
Beryllium	9-1	0.02	0.10	0.01	0.04	113.73	ppb
Bismuth	209-1				119		%
Bismuth	209-2				122		%
Boron	10-1	39.25	37.92	38.27	38.48	1.79	ppb
Boron	11-1	37.08	38.50	39.25	38.28	2.87	ppb
Cadmium	111-1	0.04	0.03	-0.01	0.02	132.73	ppb
Cadmium	106-1	-0.58	-0.97	-1.76	-1.11		ppb
Cadmium	108-1	0.08	0.00	0.08	0.06	84.49	ppb
Calcium	43-1	23862.28	24415.09	23812.72	24030.03	1.39	ppb
Calcium	44-1	23755.49	24670.31	24048.44	24158.08	1.93	ppb
Chromium	52-2	1.65	1.52	1.49	1.55	5.54	ppb
Cobalt	59-2	0.45	0.47	0.48	0.47	3.72	ppb
Copper	63-2	0.01	-0.02	0.04	0.01	216.20	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				121		%
Holmium	165-2				118		%
Indium	115-1				119		%
Indium	115-2				116		%
Iron	56-2	415.31	427.14	411.65	418.03	1.94	ppb
Iron	57-2	411.99	462.36	399.24	424.53	7.86	ppb
Lead	206-1	0.25	0.28	0.29	0.27	8.09	ppb
Lead	207-1	0.21	0.23	0.22	0.22	4.29	ppb
Lead	208-1	0.25	0.25	0.25	0.25	1.26	ppb
Lithium	6-1				120		%
Magnesium	24-2	8482.62	8606.13	8336.17	8474.97	1.59	ppb
Manganese	55-2	78.13	78.31	75.71	77.38	1.87	ppb

LB Number :	LB90047	Operator :	Jaswal
Lab Sample ID :	I5192-05	Instrumnet Name :	P8
Client Sample ID :	MBDD16	Dilution Factor :	1
Date & Time Acquired ::	2017-09-13 12:57:51	DataFile Name :	034SMPL_P8091317-MS

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Molybdenum	94-1	0.39	0.40	0.37	0.39	3.00	ppb
Molybdenum	95-1	0.95	1.02	0.92	0.96	5.36	ppb
Molybdenum	96-1	0.79	0.83	0.83	0.82	2.74	ppb
Molybdenum	97-1	1.03	0.90	0.95	0.96	6.61	ppb
Molybdenum	98-1	0.96	0.94	0.99	0.96	2.41	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.92	1.02	1.05	1.00	6.88	ppb
Phosphorus	31-2	4.33	4.58	33.26	14.06	118.33	ppb
Potassium	39-2	5507.39	5542.01	5511.45	5520.28	0.34	ppb
Rhodium	103-1				117		%
Rhodium	103-2				117		%
Scandium	45-1				117		%
Scandium	45-2				115		%
Selenium	77-2	-1.46	-1.46	-1.46	-1.46		ppb
Selenium	78-2	2.97	-0.72	2.93	1.73	122.56	ppb
Selenium	82-1	-0.22	-0.08	1.05	0.25	279.25	ppb
Silicon	28-1	6746.22	6840.51	6768.17	6784.97	0.73	ppb
Silver	109-1	0.02	0.02	0.03	0.02	14.40	ppb
Silver	107-1	0.03	0.03	0.02	0.03	12.55	ppb
Sodium	23-2	39972.31	40649.37	39246.40	39956.03	1.76	ppb
Strontium	86-1	265.70	269.73	266.37	267.27	0.81	ppb
Strontium	88-1	274.28	272.47	274.82	273.86	0.45	ppb
Sulfur	34-1	6900.11	7139.27	6801.54	6946.97	2.50	ppb
Terbium	159-1				120		%
Terbium	159-2				119		%
Thallium	203-1	0.07	0.07	0.06	0.07	10.79	ppb
Thallium	205-1	0.07	0.06	0.07	0.07	5.55	ppb
Tin	118-1	-0.03	-0.01	0.04	0.00		ppb
Titanium	47-1	0.92	0.93	1.12	0.99	11.23	ppb
Uranium	238-1	0.37	0.38	0.37	0.37	0.41	ppb
Vanadium	51-2	3.68	3.89	3.58	3.72	4.26	ppb
Yttrium	89-1				119		%
Yttrium	89-2				115		%
Zinc	66-2	47.38	47.47	47.15	47.33	0.35	ppb
Zirconium	90-1	0.10	0.10	0.09	0.10	7.94	ppb

LB Number :	LB90047	Operator :	Jaswal
Lab Sample ID :	I5192-05	Instrumnet Name :	P8
Client Sample ID :	MBDD16	Dilution Factor :	1
Date & Time Acquired ::	2017-09-13 12:57:51	DataFile Name :	034SMPL_P8091317-MS

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	91-1	0.10	0.11	0.12	0.11	9.50	ppb

LB Number :	LB90047	Operator :	Jaswal
Lab Sample ID :	PB102290BL	Instrumnet Name :	P8
Client Sample ID :	PBW007	Dilution Factor :	1
Date & Time Acquired ::	2017-09-13 13:01:55	DataFile Name :	035CCBE_P8091317-M5

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	0.05	-0.02	-2.50	-0.82		ppb
Antimony	121-1	0.02	0.01	0.02	0.02	7.65	ppb
Arsenic	75-2	0.00	-0.01	-0.02	-0.01		ppb
Barium	135-1	-0.01	0.02	0.01	0.01	150.80	ppb
Barium	137-1	-0.01	-0.01	-0.01	-0.01		ppb
Beryllium	9-1	0.00	-0.04	0.01	-0.01		ppb
Bismuth	209-1				106		%
Bismuth	209-2				102		%
Boron	10-1	4.80	3.24	3.17	3.74	24.74	ppb
Boron	11-1	4.37	3.91	3.53	3.94	10.69	ppb
Cadmium	111-1	-0.10	-0.09	-0.19	-0.12		ppb
Cadmium	106-1	-1.37	-1.20	-2.61	-1.73		ppb
Cadmium	108-1	0.04	0.04	0.10	0.06	57.93	ppb
Calcium	43-1	10.72	-15.51	-11.49	-5.43		ppb
Calcium	44-1	1.66	-8.61	-1.39	-2.78		ppb
Chromium	52-2	-0.08	-0.09	-0.08	-0.08		ppb
Cobalt	59-2	-0.03	-0.03	-0.02	-0.03		ppb
Copper	63-2	-0.19	-0.19	-0.15	-0.18		ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				106		%
Holmium	165-2				101		%
Indium	115-1				105		%
Indium	115-2				99		%
Iron	56-2	0.36	0.14	0.16	0.22	56.34	ppb
Iron	57-2	0.75	0.96	0.01	0.57	87.46	ppb
Lead	206-1	0.08	0.01	0.02	0.04	102.37	ppb
Lead	207-1	0.01	0.00	0.02	0.01	108.10	ppb
Lead	208-1	0.04	0.01	0.02	0.02	62.44	ppb
Lithium	6-1				104		%
Magnesium	24-2	-0.61	2.71	2.10	1.40	126.44	ppb
Manganese	55-2	-0.11	-0.17	-0.18	-0.15		ppb

LB Number :	LB90047	Operator :	Jaswal
Lab Sample ID :	PB102290BL	Instrumnet Name :	P8
Client Sample ID :	PBW007	Dilution Factor :	1
Date & Time Acquired ::	2017-09-13 13:01:55	DataFile Name :	035CCBE_P8091317-M8

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Molybdenum	94-1	0.00	0.00	-0.01	0.00		ppb
Molybdenum	95-1	0.00	0.01	0.00	0.01	89.23	ppb
Molybdenum	96-1	0.00	0.00	0.01	0.01	144.88	ppb
Molybdenum	97-1	-0.03	-0.01	-0.01	-0.02		ppb
Molybdenum	98-1	0.00	0.00	0.00	0.00	1293.99	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	-0.31	-0.35	-0.28	-0.31		ppb
Phosphorus	31-2	24.25	6.50	7.11	12.62	79.85	ppb
Potassium	39-2	18.34	-14.17	-21.03	-5.62		ppb
Rhodium	103-1				104		%
Rhodium	103-2				101		%
Scandium	45-1				103		%
Scandium	45-2				99		%
Selenium	77-2	-1.46	-1.46	-1.46	-1.46		ppb
Selenium	78-2	0.73	-0.02	1.46	0.72	101.90	ppb
Selenium	82-1	0.30	1.05	-0.08	0.43	134.52	ppb
Silicon	28-1	-12.64	-22.68	-18.77	-18.03		ppb
Silver	109-1	0.01	0.01	0.03	0.02	65.31	ppb
Silver	107-1	0.01	0.01	0.02	0.01	54.83	ppb
Sodium	23-2	7.27	1.76	22.48	10.51	102.14	ppb
Strontium	86-1	-0.05	-0.05	-0.04	-0.05		ppb
Strontium	88-1	0.00	0.00	0.00	0.00		ppb
Sulfur	34-1	-272.92	-1162.29	-826.46	-753.89		ppb
Terbium	159-1				106		%
Terbium	159-2				101		%
Thallium	203-1	0.03	0.03	0.05	0.03	36.98	ppb
Thallium	205-1	0.03	0.02	0.02	0.02	12.22	ppb
Tin	118-1	-0.01	0.00	-0.01	-0.01		ppb
Titanium	47-1	-0.01	0.04	-0.03	0.00		ppb
Uranium	238-1	-0.01	-0.01	-0.01	-0.01		ppb
Vanadium	51-2	0.00	0.00	-0.01	0.00		ppb
Yttrium	89-1				105		%
Yttrium	89-2				99		%
Zinc	66-2	-0.24	-0.22	-0.36	-0.27		ppb
Zirconium	90-1	0.01	0.00	0.00	0.00	92.20	ppb

LB Number :	LB90047	Operator :	Jaswal
Lab Sample ID :	PB102290BL	Instrumnet Name :	P8
Client Sample ID :	PBW007	Dilution Factor :	1
Date & Time Acquired ::	2017-09-13 13:01:55	DataFile Name :	035CCBE_P8091317-MS

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	91-1	0.02	0.00	0.02	0.01	114.27	ppb

LB Number :	LB90047	Operator :	Jaswal
Lab Sample ID :	I5193-05	Instrumnet Name :	P8
Client Sample ID :	MBDD15	Dilution Factor :	1
Date & Time Acquired ::	2017-09-13 13:05:04	DataFile Name :	036SMPL_P8091317-MS

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	52.90	58.21	59.69	56.94	6.27	ppb
Antimony	121-1	0.05	0.06	0.06	0.06	9.16	ppb
Arsenic	75-2	0.60	0.56	0.39	0.52	21.60	ppb
Barium	135-1	90.96	91.71	90.90	91.19	0.50	ppb
Barium	137-1	91.28	90.43	91.60	91.10	0.67	ppb
Beryllium	9-1	-0.03	0.01	-0.05	-0.02		ppb
Bismuth	209-1				121		%
Bismuth	209-2				125		%
Boron	10-1	35.01	37.66	36.01	36.23	3.69	ppb
Boron	11-1	37.73	38.02	36.45	37.40	2.25	ppb
Cadmium	111-1	-0.02	0.01	0.02	0.00	662.16	ppb
Cadmium	106-1	-1.77	-1.32	-1.14	-1.41		ppb
Cadmium	108-1	0.41	0.27	0.22	0.30	32.42	ppb
Calcium	43-1	23854.13	23802.89	23680.83	23779.28	0.37	ppb
Calcium	44-1	23889.97	23948.22	23809.30	23882.50	0.29	ppb
Chromium	52-2	1.29	1.25	1.16	1.23	5.30	ppb
Cobalt	59-2	0.43	0.39	0.45	0.42	7.72	ppb
Copper	63-2	5.98	5.92	5.81	5.90	1.42	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				122		%
Holmium	165-2				120		%
Indium	115-1				119		%
Indium	115-2				117		%
Iron	56-2	385.74	383.35	381.35	383.48	0.57	ppb
Iron	57-2	402.53	388.23	369.45	386.74	4.29	ppb
Lead	206-1	1.35	1.35	1.31	1.34	1.58	ppb
Lead	207-1	1.32	1.22	1.19	1.24	5.57	ppb
Lead	208-1	1.32	1.26	1.26	1.28	2.63	ppb
Lithium	6-1				118		%
Magnesium	24-2	8440.40	8359.87	8340.24	8380.17	0.63	ppb
Manganese	55-2	73.58	75.62	73.19	74.13	1.75	ppb

LB Number :	LB90047	Operator :	Jaswal
Lab Sample ID :	I5193-05	Instrumnet Name :	P8
Client Sample ID :	MBDD15	Dilution Factor :	1
Date & Time Acquired ::	2017-09-13 13:05:04	DataFile Name :	036SMPL_P8091317-MS

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Molybdenum	94-1	0.31	0.27	0.28	0.29	6.54	ppb
Molybdenum	95-1	1.01	0.99	0.89	0.96	6.84	ppb
Molybdenum	96-1	0.80	0.76	0.77	0.78	2.13	ppb
Molybdenum	97-1	0.96	0.93	0.98	0.96	2.28	ppb
Molybdenum	98-1	0.90	0.96	0.99	0.95	4.68	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	13.71	14.14	14.09	13.98	1.70	ppb
Phosphorus	31-2	4.16	4.15	18.27	8.86	91.99	ppb
Potassium	39-2	5392.11	5508.94	5485.15	5462.07	1.13	ppb
Rhodium	103-1				118		%
Rhodium	103-2				118		%
Scandium	45-1				117		%
Scandium	45-2				118		%
Selenium	77-2	-1.46	-1.46	5.88	0.99	428.98	ppb
Selenium	78-2	1.08	0.49	0.49	0.69	49.95	ppb
Selenium	82-1	0.34	1.16	0.27	0.59	84.42	ppb
Silicon	28-1	6600.12	6597.08	6617.76	6604.99	0.17	ppb
Silver	109-1	0.01	0.01	0.00	0.01	28.36	ppb
Silver	107-1	0.01	0.01	0.01	0.01	15.80	ppb
Sodium	23-2	40124.20	39666.58	39271.50	39687.43	1.08	ppb
Strontium	86-1	267.12	266.07	267.98	267.06	0.36	ppb
Strontium	88-1	274.06	270.27	271.01	271.78	0.74	ppb
Sulfur	34-1	6500.64	6569.19	6452.74	6507.52	0.90	ppb
Terbium	159-1				121		%
Terbium	159-2				120		%
Thallium	203-1	0.05	0.06	0.07	0.06	12.91	ppb
Thallium	205-1	0.07	0.07	0.06	0.07	7.46	ppb
Tin	118-1	-0.05	-0.05	-0.05	-0.05		ppb
Titanium	47-1	0.12	0.10	0.15	0.13	21.26	ppb
Uranium	238-1	0.32	0.29	0.29	0.30	4.50	ppb
Vanadium	51-2	3.65	3.48	3.26	3.47	5.68	ppb
Yttrium	89-1				119		%
Yttrium	89-2				117		%
Zinc	66-2	181.33	182.42	179.81	181.19	0.72	ppb
Zirconium	90-1	0.02	0.02	0.02	0.02	13.65	ppb

LB Number :	LB90047	Operator :	Jaswal
Lab Sample ID :	I5193-05	Instrumnet Name :	P8
Client Sample ID :	MBDD15	Dilution Factor :	1
Date & Time Acquired ::	2017-09-13 13:05:04	DataFile Name :	036SMPL_P8091317-MS

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	91-1	0.02	0.00	0.02	0.01	65.39	ppb

LB Number :	LB90047	Operator :	Jaswal
Lab Sample ID :	CCV016	Instrumnet Name :	P8
Client Sample ID :	CCV016	Dilution Factor :	1
Date & Time Acquired ::	2017-09-13 13:08:10	DataFile Name :	037CCV_P8091317-MS.I

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	49431.36	48922.10	48042.74	48798.73	1.44	ppb
Antimony	121-1	501.75	505.62	490.74	499.37	1.55	ppb
Arsenic	75-2	488.39	494.11	490.90	491.13	0.58	ppb
Barium	135-1	2522.98	2564.91	2466.15	2518.01	1.97	ppb
Barium	137-1	2501.05	2541.65	2448.75	2497.15	1.87	ppb
Beryllium	9-1	506.51	505.19	490.37	500.69	1.79	ppb
Bismuth	209-1				108		%
Bismuth	209-2				105		%
Boron	10-1	494.28	505.62	514.47	504.79	2.01	ppb
Boron	11-1	499.90	506.45	499.49	501.94	0.78	ppb
Cadmium	111-1	484.80	485.50	472.26	480.85	1.55	ppb
Cadmium	106-1	500.23	500.56	474.99	491.93	2.98	ppb
Cadmium	108-1	494.46	494.17	481.28	489.97	1.54	ppb
Calcium	43-1	236777.79	237101.37	230391.03	234756.73	1.61	ppb
Calcium	44-1	236131.85	237934.64	231657.66	235241.38	1.37	ppb
Chromium	52-2	498.68	502.47	487.59	496.25	1.56	ppb
Cobalt	59-2	482.96	481.22	469.95	478.04	1.48	ppb
Copper	63-2	961.66	972.04	951.34	961.68	1.08	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				109		%
Indium	115-1				107		%
Indium	115-2				102		%
Iron	56-2	121128.94	120530.50	117890.49	119849.98	1.44	ppb
Iron	57-2	121354.15	122709.42	120308.53	121457.37	0.99	ppb
Lead	206-1	499.29	504.07	485.30	496.22	1.97	ppb
Lead	207-1	496.76	504.05	493.64	498.15	1.07	ppb
Lead	208-1	499.47	502.93	491.47	497.96	1.18	ppb
Lithium	6-1				109		%
Magnesium	24-2	243675.68	242801.97	238431.64	241636.43	1.16	ppb
Manganese	55-2	1004.48	1004.02	985.94	998.15	1.06	ppb

LB Number :	LB90047	Operator :	Jaswal
Lab Sample ID :	CCV016	Instrumnet Name :	P8
Client Sample ID :	CCV016	Dilution Factor :	1
Date & Time Acquired ::	2017-09-13 13:08:10	DataFile Name :	037CCV_P8091317-MS.I

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Molybdenum	94-1	503.00	504.78	497.14	501.64	0.80	ppb
Molybdenum	95-1	503.58	506.93	491.96	500.82	1.57	ppb
Molybdenum	96-1	503.67	509.75	490.25	501.22	1.99	ppb
Molybdenum	97-1	489.70	495.58	480.41	488.57	1.57	ppb
Molybdenum	98-1	503.81	506.78	485.92	498.84	2.26	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	486.67	489.02	476.99	484.23	1.32	ppb
Phosphorus	31-2	9579.66	10967.48	9564.69	10037.28	8.03	ppb
Potassium	39-2	125312.83	123022.53	120389.81	122908.39	2.00	ppb
Rhodium	103-1				104		%
Rhodium	103-2				102		%
Scandium	45-1				107		%
Scandium	45-2				108		%
Selenium	77-2	494.19	530.55	508.26	511.00	3.59	ppb
Selenium	78-2	502.84	495.82	471.19	489.95	3.39	ppb
Selenium	82-1	485.29	491.53	475.59	484.13	1.66	ppb
Silicon	28-1	505.66	507.83	488.77	500.75	2.08	ppb
Silver	109-1	508.45	500.82	497.85	502.37	1.09	ppb
Silver	107-1	508.68	502.44	498.02	503.05	1.06	ppb
Sodium	23-2	243589.21	242843.88	236686.67	241039.92	1.57	ppb
Strontium	86-1	502.18	507.84	494.38	501.47	1.35	ppb
Strontium	88-1	508.28	511.76	498.51	506.18	1.36	ppb
Sulfur	34-1	9559.15	9787.25	9023.57	9456.66	4.15	ppb
Terbium	159-1				112		%
Terbium	159-2				109		%
Thallium	203-1	498.52	506.07	496.36	500.32	1.02	ppb
Thallium	205-1	497.19	498.32	491.94	495.82	0.69	ppb
Tin	118-1	507.45	510.16	495.87	504.49	1.50	ppb
Titanium	47-1	487.87	497.07	477.28	487.41	2.03	ppb
Uranium	238-1	502.57	508.40	491.81	500.93	1.68	ppb
Vanadium	51-2	501.95	498.41	492.98	497.78	0.91	ppb
Yttrium	89-1				109		%
Yttrium	89-2				105		%
Zinc	66-2	978.95	982.21	958.36	973.17	1.33	ppb
Zirconium	90-1	496.54	496.46	486.49	493.16	1.17	ppb

LB Number :	LB90047	Operator :	Jaswal
Lab Sample ID :	CCV016	Instrumnet Name :	P8
Client Sample ID :	CCV016	Dilution Factor :	1
Date & Time Acquired ::	2017-09-13 13:08:10	DataFile Name :	037CCV_P8091317-MS.I

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	91-1	508.45	508.83	490.80	502.69	2.05	ppb

LB Number :	LB90047	Operator :	Jaswal
Lab Sample ID :	CCB016	Instrumnet Name :	P8
Client Sample ID :	CCB016	Dilution Factor :	1
Date & Time Acquired ::	2017-09-13 13:11:11	DataFile Name :	038CCBE_P8091317-M5

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	-1.32	-0.18	1.10	-0.13		ppb
Antimony	121-1	0.36	0.32	0.30	0.33	9.74	ppb
Arsenic	75-2	0.10	-0.01	-0.02	0.02	281.81	ppb
Barium	135-1	-0.02	-0.01	-0.01	-0.01		ppb
Barium	137-1	-0.01	0.00	0.00	0.00		ppb
Beryllium	9-1	0.13	0.09	0.10	0.11	20.62	ppb
Bismuth	209-1				105		%
Bismuth	209-2				111		%
Boron	10-1	13.72	14.43	11.13	13.09	13.28	ppb
Boron	11-1	12.95	11.57	11.94	12.16	5.85	ppb
Cadmium	111-1	-0.12	-0.08	0.00	-0.07		ppb
Cadmium	106-1	-1.65	-1.36	-0.07	-1.03		ppb
Cadmium	108-1	0.11	0.10	0.01	0.07	76.00	ppb
Calcium	43-1	-2.39	14.26	8.56	6.81	124.25	ppb
Calcium	44-1	2.89	-5.69	-0.36	-1.05		ppb
Chromium	52-2	-0.05	-0.13	-0.11	-0.10		ppb
Cobalt	59-2	-0.02	-0.03	-0.03	-0.02		ppb
Copper	63-2	-0.25	-0.28	-0.23	-0.25		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				105		%
Holmium	165-2				107		%
Indium	115-1				104		%
Indium	115-2				106		%
Iron	56-2	1.23	0.92	1.05	1.07	14.53	ppb
Iron	57-2	0.33	-0.12	-0.69	-0.16		ppb
Lead	206-1	0.06	0.08	0.06	0.07	15.85	ppb
Lead	207-1	0.05	0.06	0.08	0.06	22.16	ppb
Lead	208-1	0.06	0.07	0.06	0.06	8.04	ppb
Lithium	6-1				105		%
Magnesium	24-2	-0.77	-0.92	-1.64	-1.11		ppb
Manganese	55-2	-0.23	-0.22	-0.15	-0.20		ppb

LB Number :	LB90047	Operator :	Jaswal
Lab Sample ID :	CCB016	Instrumnet Name :	P8
Client Sample ID :	CCB016	Dilution Factor :	1
Date & Time Acquired ::	2017-09-13 13:11:11	DataFile Name :	038CCBE_P8091317-M8

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Molybdenum	94-1	0.04	0.05	0.05	0.05	8.97	ppb
Molybdenum	95-1	0.08	0.06	0.06	0.07	20.32	ppb
Molybdenum	96-1	0.05	0.06	0.08	0.06	18.07	ppb
Molybdenum	97-1	0.11	0.04	0.07	0.07	44.96	ppb
Molybdenum	98-1	0.10	0.06	0.07	0.08	25.82	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	-0.40	-0.27	-0.31	-0.33		ppb
Phosphorus	31-2	5.75	5.47	22.19	11.14	85.98	ppb
Potassium	39-2	-1.69	7.86	-7.94	-0.59		ppb
Rhodium	103-1				103		%
Rhodium	103-2				107		%
Scandium	45-1				101		%
Scandium	45-2				106		%
Selenium	77-2	-1.46	-1.46	-1.46	-1.46		ppb
Selenium	78-2	1.30	2.67	-0.05	1.31	103.81	ppb
Selenium	82-1	-0.13	0.38	0.03	0.09	291.57	ppb
Silicon	28-1	-13.44	-21.22	-15.78	-16.82		ppb
Silver	109-1	0.04	0.03	0.05	0.04	17.53	ppb
Silver	107-1	0.04	0.04	0.05	0.04	10.40	ppb
Sodium	23-2	32.59	19.88	45.82	32.76	39.59	ppb
Strontium	86-1	-0.03	-0.03	-0.04	-0.03		ppb
Strontium	88-1	0.00	0.00	0.00	0.00		ppb
Sulfur	34-1	42.48	-382.24	25.11	-104.88		ppb
Terbium	159-1				105		%
Terbium	159-2				108		%
Thallium	203-1	0.11	0.09	0.08	0.09	18.30	ppb
Thallium	205-1	0.14	0.11	0.10	0.11	20.99	ppb
Tin	118-1	0.16	0.14	0.14	0.15	10.08	ppb
Titanium	47-1	0.03	-0.01	0.00	0.01	258.17	ppb
Uranium	238-1	0.00	0.00	0.00	0.00		ppb
Vanadium	51-2	0.01	0.01	-0.02	0.00	1172.51	ppb
Yttrium	89-1				103		%
Yttrium	89-2				105		%
Zinc	66-2	-0.06	0.02	-0.26	-0.10		ppb
Zirconium	90-1	0.03	0.03	0.03	0.03	4.71	ppb

LB Number :	LB90047	Operator :	Jaswal
Lab Sample ID :	CCB016	Instrumnet Name :	P8
Client Sample ID :	CCB016	Dilution Factor :	1
Date & Time Acquired ::	2017-09-13 13:11:11	DataFile Name :	038CCBE_P8091317-MS

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	91-1	0.05	0.02	0.05	0.04	37.46	ppb

LB Number :	LB90047	Operator :	Jaswal
Lab Sample ID :	S00	Instrumnet Name :	P8
Client Sample ID :	S00	Dilution Factor :	1
Date & Time Acquired ::	2017-09-13 11:02:18	DataFile Name :	003CALB_P8091317-MS

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	17	17	17	17	0.00	cps
Antimony	121-1	58	100	75	78	26.96	cps
Arsenic	75-2	6	4	4	4	24.86	cps
Barium	135-1	58	75	17	50	60.09	cps
Barium	137-1	67	83	83	78	12.37	cps
Beryllium	9-1	200	183	133	172	20.15	cps
Bismuth	209-1	4987893	5446109	5535278	5323093	5.52	cps
Bismuth	209-2	1577741	1582791	1684479	1615004	3.73	cps
Boron	10-1	242	142	242	208	27.71	cps
Boron	11-1	1117	1225	950	1097	12.63	cps
Cadmium	111-1	1211	1439	1165	1271	11.55	cps
Cadmium	106-1	1692	2042	1659	1797	11.82	cps
Cadmium	108-1	4	4	13	7	69.23	cps
Calcium	43-1	1659	1875	1692	1742	6.70	cps
Calcium	44-1	38244	38111	38019	38125	0.30	cps
Chromium	52-2	743	803	720	756	5.69	cps
Cobalt	59-2	110	120	93	108	12.50	cps
Copper	63-2	703	853	910	822	12.99	cps
Dysprosium	156-1	8	8	8	8	0.00	cps
Dysprosium	156-2	0	3	0	1	173.21	cps
Erbium	164-1	25	33	25	28	17.31	cps
Erbium	164-2	0	0	0	0	0.00	cps
Gadolinium	160-1	92	83	50	75	29.40	cps
Gadolinium	160-2	10	27	13	17	52.93	cps
Holmium	165-1	8221593	8977537	9047952	8749027	5.24	cps
Holmium	165-2	2051445	2077470	2212597	2113837	4.09	cps
Indium	115-1	7228157	7794279	7997361	7673265	5.19	cps
Indium	115-2	370474	371659	393240	378458	3.39	cps
Iron	56-2	2450	2484	2228	2387	5.82	cps
Iron	57-2	89	61	72	74	18.88	cps
Lead	206-1	611	500	606	572	10.94	cps
Lead	207-1	544	517	511	524	3.41	cps
Lead	208-1	2317	2256	2556	2376	6.67	cps
Lithium	6-1	1058225	1151402	1187014	1132213	5.87	cps
Magnesium	24-2	350	292	283	308	11.78	cps
Manganese	55-2	137	130	90	119	21.23	cps

LB Number :	LB90047	Operator :	Jaswal
Lab Sample ID :	S00	Instrumnet Name :	P8
Client Sample ID :	S00	Dilution Factor :	1
Date & Time Acquired ::	2017-09-13 11:02:18	DataFile Name :	003CALB_P8091317-MS

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Molybdenum	94-1	217	250	300	256	16.41	cps
Molybdenum	95-1	67	67	58	64	7.53	cps
Molybdenum	96-1	167	108	117	131	24.17	cps
Molybdenum	97-1	83	175	133	131	35.15	cps
Molybdenum	98-1	92	117	142	117	21.43	cps
Neodymium	150-1	7	27	7	13	86.58	cps
Neodymium	150-2	0	0	0	0	0.00	cps
Nickel	60-2	527	527	497	517	3.35	cps
Phosphorus	31-2	0	0	0	0	0.00	cps
Potassium	39-2	3701	3792	3776	3756	1.30	cps
Rhodium	103-1	6736692	7341376	7420723	7166263	5.22	cps
Rhodium	103-2	1944683	1959494	2100824	2001667	4.31	cps
Scandium	45-1	4133915	4449928	4563020	4382288	5.08	cps
Scandium	45-2	41017	40435	43645	41699	4.10	cps
Selenium	77-2	3	0	0	1	173.21	cps
Selenium	78-2	2	4	0	2	100.00	cps
Selenium	82-1	-79	-60	-4	-48	-81.56	cps
Silicon	28-1	434362	451090	442320	442591	1.89	cps
Silver	109-1	133	108	67	103	32.77	cps
Silver	107-1	200	233	167	200	16.67	cps
Sodium	23-2	16819	17578	17294	17231	2.23	cps
Strontium	86-1	967	942	1017	975	3.92	cps
Strontium	88-1	200	192	242	211	12.69	cps
Sulfur	34-1	368558	371658	374989	371735	0.87	cps
Terbium	159-1	8705091	9392984	9589206	9229094	5.03	cps
Terbium	159-2	1984621	2015766	2126318	2042235	3.65	cps
Thallium	203-1	167	192	175	178	7.16	cps
Thallium	205-1	425	392	483	433	10.71	cps
Tin	118-1	725	792	767	761	4.43	cps
Titanium	47-1	142	175	142	153	12.60	cps
Uranium	238-1	175	158	133	156	13.48	cps
Vanadium	51-2	17	17	17	17	0.00	cps
Yttrium	89-1	7696206	8217253	8325391	8079616	4.16	cps
Yttrium	89-2	274620	276948	291119	280896	3.18	cps
Zinc	66-2	77	80	77	78	2.47	cps
Zirconium	90-1	500	492	567	519	7.91	cps

LB Number :	LB90047	Operator :	Jaswal
Lab Sample ID :	S00	Instrumnet Name :	P8
Client Sample ID :	S00	Dilution Factor :	1
Date & Time Acquired ::	2017-09-13 11:02:18	DataFile Name :	003CALB_P8091317-MS

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	91-1	75	92	117	94	22.21	cps

LB Number :	LB90047	Operator :	Jaswal
Lab Sample ID :	S02	Instrumnet Name :	P8
Client Sample ID :	S02	Dilution Factor :	1
Date & Time Acquired ::	2017-09-13 11:09:27	DataFile Name :	005CALS_P8091317-MS

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	142	200	150	164	19.25	cps
Antimony	121-1	15093	16227	15902	15741	3.71	cps
Arsenic	75-2	107	135	139	127	13.53	cps
Barium	135-1	15960	16478	15193	15877	4.07	cps
Barium	137-1	27914	28123	27563	27866	1.01	cps
Beryllium	9-1	1395	1406	1200	1333	8.67	cps
Bismuth	209-1	5390092	5377373	5034989	5267485	3.82	cps
Bismuth	209-2	1660207	1776545	1685118	1707290	3.59	cps
Boron	10-1	3342	3192	3276	3270	2.30	cps
Boron	11-1	15451	15659	14608	15239	3.65	cps
Cadmium	111-1	3302	3217	2804	3108	8.56	cps
Cadmium	106-1	2259	2167	2009	2145	5.90	cps
Cadmium	108-1	138	154	133	142	7.78	cps
Calcium	43-1	9979	9379	9629	9662	3.12	cps
Calcium	44-1	170294	173519	166014	169942	2.22	cps
Chromium	52-2	2567	2677	2477	2574	3.89	cps
Cobalt	59-2	1763	1803	1807	1791	1.35	cps
Copper	63-2	4401	4634	4541	4525	2.60	cps
Dysprosium	156-1	8	25	17	17	50.01	cps
Dysprosium	156-2	0	3	3	2	86.60	cps
Erbium	164-1	42	67	75	61	28.38	cps
Erbium	164-2	0	7	10	6	91.64	cps
Gadolinium	160-1	75	75	100	83	17.32	cps
Gadolinium	160-2	0	10	10	7	86.60	cps
Holmium	165-1	9180595	8992340	8547953	8906963	3.65	cps
Holmium	165-2	2196167	2284072	2174011	2218083	2.62	cps
Indium	115-1	7956996	7865566	7531386	7784649	2.88	cps
Indium	115-2	393336	409926	395873	399712	2.24	cps
Iron	56-2	29621	30840	30027	30163	2.06	cps
Iron	57-2	689	728	800	739	7.63	cps
Lead	206-1	6191	6574	5963	6242	4.95	cps
Lead	207-1	5335	5607	5223	5388	3.66	cps
Lead	208-1	24855	25639	23848	24781	3.62	cps
Lithium	6-1	1187404	1213763	1118383	1173183	4.20	cps
Magnesium	24-2	14917	16118	14583	15206	5.31	cps
Manganese	55-2	337	350	337	341	2.26	cps

LB Number :	LB90047	Operator :	Jaswal
Lab Sample ID :	S02	Instrumnet Name :	P8
Client Sample ID :	S02	Dilution Factor :	1
Date & Time Acquired ::	2017-09-13 11:09:27	DataFile Name :	005CAL5_P8091317-MS

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Molybdenum	94-1	13299	14125	13049	13491	4.17	cps
Molybdenum	95-1	15476	15993	15343	15604	2.20	cps
Molybdenum	96-1	18555	18163	16970	17896	4.61	cps
Molybdenum	97-1	10329	10288	10229	10282	0.49	cps
Molybdenum	98-1	25483	27053	24448	25661	5.11	cps
Neodymium	150-1	13	7	13	11	34.61	cps
Neodymium	150-2	3	0	0	1	173.21	cps
Nickel	60-2	987	1167	1173	1109	9.55	cps
Phosphorus	31-2	0	33	0	11	173.21	cps
Potassium	39-2	12798	13165	13273	13079	1.91	cps
Rhodium	103-1	7442241	7560926	7029892	7344353	3.80	cps
Rhodium	103-2	2049263	2179766	2085534	2104854	3.20	cps
Scandium	45-1	4509873	4510603	4258948	4426474	3.28	cps
Scandium	45-2	43838	45808	43019	44222	3.24	cps
Selenium	77-2	0	0	3	1	173.21	cps
Selenium	78-2	19	17	17	17	6.18	cps
Selenium	82-1	527	469	564	520	9.21	cps
Silicon	28-1	478846	482284	468701	476610	1.48	cps
Silver	109-1	10521	11264	10046	10610	5.78	cps
Silver	107-1	21760	22043	20926	21576	2.69	cps
Sodium	23-2	53342	57358	55233	55311	3.63	cps
Strontium	86-1	3167	3134	3042	3114	2.08	cps
Strontium	88-1	20149	19323	19214	19562	2.61	cps
Sulfur	34-1	378130	380407	379401	379313	0.30	cps
Terbium	159-1	9518819	9619427	8997258	9378501	3.56	cps
Terbium	159-2	2133709	2231074	2159328	2174704	2.32	cps
Thallium	203-1	5652	5610	5468	5576	1.72	cps
Thallium	205-1	13149	13091	12682	12974	1.96	cps
Tin	118-1	28056	27655	26519	27410	2.91	cps
Titanium	47-1	4384	4468	4268	4373	2.30	cps
Uranium	238-1	15752	16078	14876	15569	3.99	cps
Vanadium	51-2	3244	3120	2847	3070	6.61	cps
Yttrium	89-1	8468613	8493351	7971619	8311194	3.54	cps
Yttrium	89-2	294557	305062	292532	297384	2.26	cps
Zinc	66-2	327	367	357	350	5.95	cps
Zirconium	90-1	11981	11697	11272	11650	3.06	cps

LB Number :	LB90047	Operator :	Jaswal
Lab Sample ID :	S02	Instrumnet Name :	P8
Client Sample ID :	S02	Dilution Factor :	1
Date & Time Acquired ::	2017-09-13 11:09:27	DataFile Name :	005CALS_P8091317-MS

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	91-1	2550	2600	2609	2586	1.22	cps

LB Number :	LB90047	Operator :	Jaswal
Lab Sample ID :	S03	Instrumnet Name :	P8
Client Sample ID :	S03	Dilution Factor :	1
Date & Time Acquired ::	2017-09-13 11:12:56	DataFile Name :	006CAL5_P8091317-MS

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	6835	6852	6760	6816	0.72	cps
Antimony	121-1	458815	460767	437017	452200	2.92	cps
Arsenic	75-2	6192	5922	5925	6013	2.58	cps
Barium	135-1	468502	466534	441910	458982	3.23	cps
Barium	137-1	811555	809543	772619	797905	2.75	cps
Beryllium	9-1	65232	67670	61487	64796	4.81	cps
Bismuth	209-1	5475505	5535481	5290993	5433993	2.34	cps
Bismuth	209-2	1794517	1775240	1718435	1762731	2.24	cps
Boron	10-1	7394	8069	7552	7672	4.60	cps
Boron	11-1	34960	34334	35052	34782	1.12	cps
Cadmium	111-1	100985	102298	96417	99900	3.09	cps
Cadmium	106-1	11889	12540	11614	12014	3.96	cps
Cadmium	108-1	7102	7160	6885	7049	2.06	cps
Calcium	43-1	96363	96490	91632	94828	2.92	cps
Calcium	44-1	1628326	1626353	1537998	1597559	3.23	cps
Chromium	52-2	48715	48089	47102	47969	1.69	cps
Cobalt	59-2	101456	99760	97985	99734	1.74	cps
Copper	63-2	172468	169523	168052	170015	1.32	cps
Dysprosium	156-1	0	50	17	22	114.56	cps
Dysprosium	156-2	10	0	7	6	91.64	cps
Erbium	164-1	42	33	50	42	20.00	cps
Erbium	164-2	7	0	7	4	86.60	cps
Gadolinium	160-1	75	100	58	78	26.96	cps
Gadolinium	160-2	10	20	13	14	35.26	cps
Holmium	165-1	9298196	9242958	8736661	9092605	3.40	cps
Holmium	165-2	2273318	2273480	2243828	2263542	0.75	cps
Indium	115-1	8039973	8166117	7737045	7981045	2.76	cps
Indium	115-2	413148	406124	402189	407154	1.36	cps
Iron	56-2	1645745	1594343	1584208	1608099	2.05	cps
Iron	57-2	41897	41089	39640	40875	2.80	cps
Lead	206-1	241818	245050	232839	239902	2.64	cps
Lead	207-1	217816	221445	212279	217180	2.13	cps
Lead	208-1	983250	993376	952773	976466	2.16	cps
Lithium	6-1	1222054	1207380	1148342	1192592	3.27	cps
Magnesium	24-2	174845	173505	174062	174137	0.39	cps
Manganese	55-2	27424	26729	26362	26838	2.01	cps

LB Number :	LB90047	Operator :	Jaswal
Lab Sample ID :	S03	Instrumnet Name :	P8
Client Sample ID :	S03	Dilution Factor :	1
Date & Time Acquired ::	2017-09-13 11:12:56	DataFile Name :	006CAL5_P8091317-MS

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Molybdenum	94-1	352391	358223	337304	349306	3.09	cps
Molybdenum	95-1	189445	192157	179877	187160	3.45	cps
Molybdenum	96-1	247723	247452	234767	243314	3.04	cps
Molybdenum	97-1	117750	120246	111539	116512	3.85	cps
Molybdenum	98-1	306701	308551	290515	301922	3.29	cps
Neodymium	150-1	47	27	40	38	26.95	cps
Neodymium	150-2	0	0	0	0	0.00	cps
Nickel	60-2	29291	29234	29071	29199	0.39	cps
Phosphorus	31-2	525	567	492	528	7.12	cps
Potassium	39-2	57837	56288	54223	56116	3.23	cps
Rhodium	103-1	7612386	7681650	7192681	7495572	3.53	cps
Rhodium	103-2	2164086	2098227	2101742	2121352	1.75	cps
Scandium	45-1	4607865	4631794	4422308	4553989	2.52	cps
Scandium	45-2	44969	44219	44139	44442	1.03	cps
Selenium	77-2	50	70	37	52	32.12	cps
Selenium	78-2	163	119	148	143	15.80	cps
Selenium	82-1	6249	6322	6016	6195	2.58	cps
Silicon	28-1	665617	656060	641259	654312	1.88	cps
Silver	109-1	460410	467923	441018	456450	3.04	cps
Silver	107-1	941786	962913	903350	936016	3.23	cps
Sodium	23-2	443266	431376	431944	435529	1.54	cps
Strontium	86-1	124481	124841	119074	122799	2.63	cps
Strontium	88-1	1061463	1080893	1019338	1053898	2.99	cps
Sulfur	34-1	420917	420738	418711	420122	0.29	cps
Terbium	159-1	9757295	9763531	9211371	9577399	3.31	cps
Terbium	159-2	2237921	2185182	2175968	2199690	1.52	cps
Thallium	203-1	303010	303244	289361	298538	2.66	cps
Thallium	205-1	712214	725114	693596	710308	2.23	cps
Tin	118-1	312261	312960	294796	306672	3.36	cps
Titanium	47-1	50927	50977	48410	50104	2.93	cps
Uranium	238-1	894023	899932	851994	881983	2.96	cps
Vanadium	51-2	35813	35261	34459	35178	1.93	cps
Yttrium	89-1	8558466	8673508	8183531	8471835	3.02	cps
Yttrium	89-2	305627	297529	298247	300467	1.49	cps
Zinc	66-2	16213	15876	15512	15867	2.21	cps
Zirconium	90-1	673205	673253	642719	663059	2.66	cps

LB Number :	LB90047	Operator :	Jaswal
Lab Sample ID :	S03	Instrumnet Name :	P8
Client Sample ID :	S03	Dilution Factor :	1
Date & Time Acquired ::	2017-09-13 11:12:56	DataFile Name :	006CALS_P8091317-MS

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	91-1	147382	149884	141747	146338	2.85	cps

LB Number :	LB90047	Operator :	Jaswal
Lab Sample ID :	S04	Instrumnet Name :	P8
Client Sample ID :	S04	Dilution Factor :	1
Date & Time Acquired ::	2017-09-13 11:16:23	DataFile Name :	007CAL5_P8091317-MS

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	17737	18171	18246	18051	1.52	cps
Antimony	121-1	1157310	1177121	1142221	1158884	1.51	cps
Arsenic	75-2	15427	14988	15203	15206	1.44	cps
Barium	135-1	1163578	1197581	1164650	1175270	1.64	cps
Barium	137-1	2032566	2109430	2058148	2066715	1.89	cps
Beryllium	9-1	160394	163641	157030	160355	2.06	cps
Bismuth	209-1	5666866	5656764	5560176	5627935	1.05	cps
Bismuth	209-2	1841533	1777204	1825713	1814817	1.85	cps
Boron	10-1	18938	18980	18604	18841	1.09	cps
Boron	11-1	86193	88230	86554	86992	1.25	cps
Cadmium	111-1	253227	255958	250402	253195	1.10	cps
Cadmium	106-1	27805	28264	27529	27866	1.33	cps
Cadmium	108-1	17962	18271	17470	17901	2.26	cps
Calcium	43-1	237906	242010	237739	239218	1.01	cps
Calcium	44-1	3919318	3995113	3903625	3939352	1.24	cps
Chromium	52-2	121938	121269	121744	121650	0.28	cps
Cobalt	59-2	256469	254167	253644	254760	0.59	cps
Copper	63-2	433567	434014	432686	433422	0.16	cps
Dysprosium	156-1	25	33	42	33	25.01	cps
Dysprosium	156-2	3	10	3	6	69.34	cps
Erbium	164-1	67	17	33	39	65.47	cps
Erbium	164-2	20	13	7	13	49.99	cps
Gadolinium	160-1	83	117	117	106	18.23	cps
Gadolinium	160-2	27	10	3	13	90.16	cps
Holmium	165-1	9385216	9427441	9296960	9369872	0.71	cps
Holmium	165-2	2318383	2282740	2302220	2301114	0.78	cps
Indium	115-1	8165783	8291171	8037414	8164789	1.55	cps
Indium	115-2	411756	408753	411561	410690	0.41	cps
Iron	56-2	4092856	4090229	4081753	4088279	0.14	cps
Iron	57-2	103118	101042	102547	102236	1.05	cps
Lead	206-1	620180	629614	605974	618589	1.92	cps
Lead	207-1	552794	565104	552150	556683	1.31	cps
Lead	208-1	2511376	2543647	2487685	2514236	1.12	cps
Lithium	6-1	1214605	1225440	1215090	1218378	0.50	cps
Magnesium	24-2	440550	440683	438786	440006	0.24	cps
Manganese	55-2	67606	67214	69515	68112	1.81	cps

LB Number :	LB90047	Operator :	Jaswal
Lab Sample ID :	S04	Instrumnet Name :	P8
Client Sample ID :	S04	Dilution Factor :	1
Date & Time Acquired ::	2017-09-13 11:16:23	DataFile Name :	007CAL5_P8091317-MS

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Molybdenum	94-1	887794	911566	873635	890998	2.15	cps
Molybdenum	95-1	475317	491063	469962	478781	2.29	cps
Molybdenum	96-1	618169	626768	609356	618098	1.41	cps
Molybdenum	97-1	295124	303112	293267	297168	1.76	cps
Molybdenum	98-1	764014	780023	753166	765734	1.76	cps
Neodymium	150-1	80	67	53	67	19.99	cps
Neodymium	150-2	3	0	10	4	114.60	cps
Nickel	60-2	74739	73529	74716	74328	0.93	cps
Phosphorus	31-2	1283	1300	1333	1306	1.95	cps
Potassium	39-2	138382	135792	136202	136792	1.02	cps
Rhodium	103-1	7535683	7697459	7455586	7562909	1.63	cps
Rhodium	103-2	2147083	2161582	2129322	2145995	0.75	cps
Scandium	45-1	4637186	4654764	4585940	4625963	0.77	cps
Scandium	45-2	46072	44647	45975	45565	1.75	cps
Selenium	77-2	100	173	113	129	30.31	cps
Selenium	78-2	400	339	383	374	8.44	cps
Selenium	82-1	15882	16096	15645	15874	1.42	cps
Silicon	28-1	972003	874774	968299	938359	5.87	cps
Silver	109-1	1160234	1179842	1154298	1164791	1.15	cps
Silver	107-1	2379834	2433591	2353058	2388828	1.72	cps
Sodium	23-2	1107860	1100487	1105738	1104695	0.34	cps
Strontium	86-1	308720	317252	303526	309833	2.24	cps
Strontium	88-1	2721033	2736625	2645149	2700936	1.81	cps
Sulfur	34-1	463302	471704	467539	467515	0.90	cps
Terbium	159-1	9855949	9984152	9699975	9846692	1.45	cps
Terbium	159-2	2229342	2213070	2256331	2232914	0.98	cps
Thallium	203-1	761566	778833	755265	765221	1.59	cps
Thallium	205-1	1852373	1885870	1815103	1851115	1.91	cps
Tin	118-1	785134	795090	774174	784799	1.33	cps
Titanium	47-1	126745	127326	124937	126336	0.99	cps
Uranium	238-1	2327152	2327685	2286297	2313711	1.03	cps
Vanadium	51-2	90969	89899	89681	90183	0.76	cps
Yttrium	89-1	8620127	8757217	8553554	8643632	1.20	cps
Yttrium	89-2	307661	305198	305059	305973	0.48	cps
Zinc	66-2	40436	39630	39851	39972	1.04	cps
Zirconium	90-1	1733222	1772883	1720698	1742268	1.56	cps

LB Number :	LB90047	Operator :	Jaswal
Lab Sample ID :	S04	Instrumnet Name :	P8
Client Sample ID :	S04	Dilution Factor :	1
Date & Time Acquired ::	2017-09-13 11:16:23	DataFile Name :	007CALS_P8091317-MS

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	91-1	374738	386768	372837	378114	2.00	cps

LB Number :	LB90047	Operator :	Jaswal
Lab Sample ID :	S05	Instrumnet Name :	P8
Client Sample ID :	S05	Dilution Factor :	1
Date & Time Acquired ::	2017-09-13 11:19:47	DataFile Name :	008CAL5_P8091317-MS

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	33616	34209	36030	34618	3.63	cps
Antimony	121-1	2397945	2371523	2373410	2380959	0.62	cps
Arsenic	75-2	29409	29201	30239	29616	1.85	cps
Barium	135-1	2445418	2449326	2408553	2434432	0.92	cps
Barium	137-1	4205281	4222347	4191649	4206426	0.37	cps
Beryllium	9-1	327241	328297	325234	326924	0.48	cps
Bismuth	209-1	5741694	5785981	5800220	5775965	0.53	cps
Bismuth	209-2	1751393	1689588	1761380	1734120	2.24	cps
Boron	10-1	38737	39171	39405	39104	0.87	cps
Boron	11-1	173411	179957	180177	177848	2.16	cps
Cadmium	111-1	513448	521623	510343	515138	1.13	cps
Cadmium	106-1	55457	55750	53582	54930	2.14	cps
Cadmium	108-1	35802	35363	35543	35569	0.62	cps
Calcium	43-1	479488	488086	479028	482201	1.06	cps
Calcium	44-1	7981493	7966360	7879866	7942573	0.69	cps
Chromium	52-2	232508	235284	236734	234842	0.91	cps
Cobalt	59-2	488292	485189	495781	489754	1.11	cps
Copper	63-2	834892	829874	850762	838509	1.30	cps
Dysprosium	156-1	42	58	50	50	16.67	cps
Dysprosium	156-2	7	3	7	6	34.70	cps
Erbium	164-1	67	58	17	47	56.72	cps
Erbium	164-2	10	10	3	8	49.52	cps
Gadolinium	160-1	142	100	75	106	31.91	cps
Gadolinium	160-2	20	7	23	17	52.90	cps
Holmium	165-1	9574695	9816546	9523118	9638120	1.63	cps
Holmium	165-2	2244379	2209125	2273936	2242480	1.45	cps
Indium	115-1	8344635	8425531	8297199	8355788	0.78	cps
Indium	115-2	391697	391314	401509	394840	1.46	cps
Iron	56-2	7807594	7713254	7921885	7814245	1.34	cps
Iron	57-2	197278	197348	200301	198309	0.87	cps
Lead	206-1	1270453	1281313	1268432	1273399	0.54	cps
Lead	207-1	1144732	1161485	1150487	1152234	0.74	cps
Lead	208-1	5221566	5280276	5249608	5250483	0.56	cps
Lithium	6-1	1239997	1250211	1244613	1244940	0.41	cps
Magnesium	24-2	845054	847804	870297	854385	1.62	cps
Manganese	55-2	131259	132158	133231	132216	0.75	cps

LB Number :	LB90047	Operator :	Jaswal
Lab Sample ID :	S05	Instrumnet Name :	P8
Client Sample ID :	S05	Dilution Factor :	1
Date & Time Acquired ::	2017-09-13 11:19:47	DataFile Name :	008CAL5_P8091317-MS

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Molybdenum	94-1	1855993	1839236	1834629	1843286	0.61	cps
Molybdenum	95-1	983365	968466	970561	974131	0.83	cps
Molybdenum	96-1	1268283	1261270	1265797	1265117	0.28	cps
Molybdenum	97-1	615234	607634	609716	610862	0.64	cps
Molybdenum	98-1	1595089	1608546	1596173	1599936	0.47	cps
Neodymium	150-1	100	107	93	100	6.66	cps
Neodymium	150-2	0	0	3	1	173.21	cps
Nickel	60-2	142992	142753	145266	143670	0.97	cps
Phosphorus	31-2	2384	2725	2642	2584	6.90	cps
Potassium	39-2	257725	258246	263627	259866	1.26	cps
Rhodium	103-1	7669670	7686937	7651037	7669215	0.23	cps
Rhodium	103-2	2066129	2079666	2113660	2086485	1.17	cps
Scandium	45-1	4718883	4726628	4700975	4715495	0.28	cps
Scandium	45-2	43831	43935	44999	44255	1.46	cps
Selenium	77-2	170	190	240	200	18.03	cps
Selenium	78-2	732	706	704	714	2.18	cps
Selenium	82-1	32212	32503	31931	32215	0.89	cps
Silicon	28-1	1303340	1332773	1289978	1308697	1.67	cps
Silver	109-1	2360763	2396535	2392354	2383217	0.82	cps
Silver	107-1	4889029	4933003	4872601	4898211	0.64	cps
Sodium	23-2	2118297	2114477	2169963	2134246	1.45	cps
Strontium	86-1	636175	631131	632305	633204	0.42	cps
Strontium	88-1	5411334	5426562	5398697	5412198	0.26	cps
Sulfur	34-1	550001	557068	548713	551927	0.82	cps
Terbium	159-1	10260019	10324481	10059469	10214657	1.35	cps
Terbium	159-2	2181794	2147503	2215707	2181668	1.56	cps
Thallium	203-1	1576391	1593046	1574646	1581361	0.64	cps
Thallium	205-1	3808312	3823598	3762905	3798271	0.83	cps
Tin	118-1	1623010	1632421	1605806	1620412	0.83	cps
Titanium	47-1	259021	258315	256756	258031	0.45	cps
Uranium	238-1	4760573	4743772	4735870	4746738	0.27	cps
Vanadium	51-2	175808	172889	178684	175794	1.65	cps
Yttrium	89-1	8915268	8907928	8824974	8882723	0.56	cps
Yttrium	89-2	295635	295633	297505	296258	0.36	cps
Zinc	66-2	77150	75146	77793	76696	1.80	cps
Zirconium	90-1	3557562	3496235	3484604	3512800	1.12	cps

LB Number :	LB90047	Operator :	Jaswal
Lab Sample ID :	S05	Instrumnet Name :	P8
Client Sample ID :	S05	Dilution Factor :	1
Date & Time Acquired ::	2017-09-13 11:19:47	DataFile Name :	008CALS_P8091317-MS

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	91-1	777890	773378	776592	775953	0.30	cps

LB Number :	LB90047	Operator :	Jaswal
Lab Sample ID :	S06	Instrumnet Name :	P8
Client Sample ID :	S06	Dilution Factor :	1
Date & Time Acquired ::	2017-09-13 11:23:05	DataFile Name :	009CAL5_P8091317-MS

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	65226	68416	69228	67623	3.13	cps
Antimony	121-1	4559961	4720924	4758676	4679853	2.26	cps
Arsenic	75-2	56586	57738	57854	57393	1.22	cps
Barium	135-1	4652733	4832938	4802194	4762622	2.02	cps
Barium	137-1	8035133	8302294	8416112	8251180	2.37	cps
Beryllium	9-1	625609	642425	646041	638025	1.71	cps
Bismuth	209-1	5649703	5799265	5869767	5772912	1.95	cps
Bismuth	209-2	1661788	1767373	1770100	1733087	3.56	cps
Boron	10-1	72324	74971	76839	74711	3.04	cps
Boron	11-1	337607	350279	359907	349264	3.20	cps
Cadmium	111-1	985954	1011509	1032350	1009937	2.30	cps
Cadmium	106-1	101673	102916	107468	104019	2.93	cps
Cadmium	108-1	70123	71413	72134	71223	1.43	cps
Calcium	43-1	928903	953935	965008	949282	1.95	cps
Calcium	44-1	15213469	15565701	15886954	15555374	2.17	cps
Chromium	52-2	452104	463839	467077	461007	1.71	cps
Cobalt	59-2	941783	978701	977423	965969	2.17	cps
Copper	63-2	1634063	1685379	1664971	1661471	1.56	cps
Dysprosium	156-1	117	117	100	111	8.66	cps
Dysprosium	156-2	17	3	27	16	75.27	cps
Erbium	164-1	58	50	67	58	14.29	cps
Erbium	164-2	10	10	10	10	0.00	cps
Gadolinium	160-1	175	167	150	164	7.77	cps
Gadolinium	160-2	13	17	33	21	50.75	cps
Holmium	165-1	9484532	9762972	9827264	9691590	1.88	cps
Holmium	165-2	2173516	2264476	2279690	2239227	2.56	cps
Indium	115-1	7987278	8236047	8234376	8152567	1.76	cps
Indium	115-2	375291	388922	383390	382534	1.79	cps
Iron	56-2	15052581	15623759	15611718	15429353	2.12	cps
Iron	57-2	383871	397816	398662	393450	2.11	cps
Lead	206-1	2603823	2571855	2670985	2615554	1.93	cps
Lead	207-1	2328259	2369065	2411378	2369567	1.75	cps
Lead	208-1	10483822	10572277	10812107	10622735	1.60	cps
Lithium	6-1	1211724	1254151	1252223	1239366	1.93	cps
Magnesium	24-2	1715115	1757829	1750433	1741126	1.31	cps
Manganese	55-2	253948	263095	261992	259678	1.92	cps

LB Number :	LB90047	Operator :	Jaswal
Lab Sample ID :	S06	Instrumnet Name :	P8
Client Sample ID :	S06	Dilution Factor :	1
Date & Time Acquired ::	2017-09-13 11:23:05	DataFile Name :	009CAL5_P8091317-MS

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Molybdenum	94-1	3546312	3650568	3676728	3624536	1.90	cps
Molybdenum	95-1	1888824	1952119	1992002	1944315	2.68	cps
Molybdenum	96-1	2481838	2549552	2576502	2535964	1.92	cps
Molybdenum	97-1	1167220	1202878	1219206	1196434	2.22	cps
Molybdenum	98-1	3088336	3177114	3204592	3156681	1.92	cps
Neodymium	150-1	133	107	133	124	12.37	cps
Neodymium	150-2	0	0	10	3	173.21	cps
Nickel	60-2	272504	285294	284347	280715	2.54	cps
Phosphorus	31-2	5176	5310	5685	5390	4.89	cps
Potassium	39-2	492429	511859	509767	504685	2.11	cps
Rhodium	103-1	7347039	7531451	7565882	7481457	1.57	cps
Rhodium	103-2	2023961	2092522	2051272	2055918	1.68	cps
Scandium	45-1	4551141	4636269	4647571	4611661	1.14	cps
Scandium	45-2	41812	43748	44206	43255	2.94	cps
Selenium	77-2	390	377	447	404	9.19	cps
Selenium	78-2	1378	1285	1391	1351	4.26	cps
Selenium	82-1	61762	63063	63516	62780	1.45	cps
Silicon	28-1	2053716	2108059	2128840	2096872	1.85	cps
Silver	109-1	4550407	4644211	4689167	4627928	1.53	cps
Silver	107-1	9334394	9611273	9661066	9535578	1.85	cps
Sodium	23-2	4089355	4261061	4241742	4197386	2.24	cps
Strontium	86-1	1205958	1257084	1260809	1241284	2.47	cps
Strontium	88-1	10437329	10768681	10699387	10635132	1.64	cps
Sulfur	34-1	682187	689782	692096	688022	0.75	cps
Terbium	159-1	9976410	10393366	10303012	10224263	2.15	cps
Terbium	159-2	2104567	2213063	2210401	2176011	2.84	cps
Thallium	203-1	3212153	3253846	3308614	3258204	1.48	cps
Thallium	205-1	7417623	7567807	7634090	7539840	1.47	cps
Tin	118-1	3164601	3229915	3231868	3208795	1.19	cps
Titanium	47-1	490078	512401	511114	504531	2.48	cps
Uranium	238-1	9465581	9556210	9795694	9605828	1.78	cps
Vanadium	51-2	339600	348902	351133	346545	1.77	cps
Yttrium	89-1	8443864	8798034	8751081	8664326	2.22	cps
Yttrium	89-2	285314	295193	292631	291046	1.76	cps
Zinc	66-2	148238	152399	151918	150852	1.51	cps
Zirconium	90-1	6721436	6940964	7041270	6901223	2.37	cps

LB Number :	LB90047	Operator :	Jaswal
Lab Sample ID :	S06	Instrumnet Name :	P8
Client Sample ID :	S06	Dilution Factor :	1
Date & Time Acquired ::	2017-09-13 11:23:05	DataFile Name :	009CALS_P8091317-MS

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	91-1	1497787	1571454	1584505	1551249	3.01	cps

LB Number :	LB90047	Operator :	Jaswal
Lab Sample ID :	S07	Instrumnet Name :	P8
Client Sample ID :	S07	Dilution Factor :	1
Date & Time Acquired ::	2017-09-13 11:26:17	DataFile Name :	010CAL5_P8091317-MS

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	135973	138724	138083	137593	1.05	cps
Antimony	121-1	9378772	9409083	9396299	9394718	0.16	cps
Arsenic	75-2	112836	113039	113952	113276	0.53	cps
Barium	135-1	9561635	9655497	9611293	9609475	0.49	cps
Barium	137-1	16732495	16960686	16762130	16818437	0.74	cps
Beryllium	9-1	1299286	1305925	1317497	1307569	0.70	cps
Bismuth	209-1	5936945	5938077	5988292	5954438	0.49	cps
Bismuth	209-2	1698081	1712191	1732770	1714347	1.02	cps
Boron	10-1	152318	156132	158222	155557	1.92	cps
Boron	11-1	701006	723121	723541	715889	1.80	cps
Cadmium	111-1	2008971	2045223	2037402	2030532	0.94	cps
Cadmium	106-1	205095	208445	209529	207690	1.11	cps
Cadmium	108-1	141844	142148	141997	141996	0.11	cps
Calcium	43-1	1916539	1889367	1915481	1907129	0.81	cps
Calcium	44-1	30802069	30784537	31086553	30891053	0.55	cps
Chromium	52-2	914468	911388	914894	913583	0.21	cps
Cobalt	59-2	1972012	1931005	1965272	1956097	1.12	cps
Copper	63-2	3236071	3260114	3230992	3242393	0.48	cps
Dysprosium	156-1	150	108	133	131	16.06	cps
Dysprosium	156-2	17	13	10	13	25.01	cps
Erbium	164-1	25	50	75	50	50.00	cps
Erbium	164-2	17	10	13	13	25.01	cps
Gadolinium	160-1	133	133	175	147	16.34	cps
Gadolinium	160-2	23	33	20	26	27.15	cps
Holmium	165-1	10104999	10123801	9982293	10070364	0.76	cps
Holmium	165-2	2269817	2276205	2263560	2269861	0.28	cps
Indium	115-1	8234008	8096029	8104400	8144813	0.95	cps
Indium	115-2	375273	371963	371989	373075	0.51	cps
Iron	56-2	30721325	30575587	30284993	30527302	0.73	cps
Iron	57-2	774734	773178	771846	773253	0.19	cps
Lead	206-1	5295235	5377420	5413660	5362105	1.13	cps
Lead	207-1	4830748	4909238	4925282	4888423	1.03	cps
Lead	208-1	21550515	21851913	21893442	21765290	0.86	cps
Lithium	6-1	1268090	1247587	1253148	1256275	0.84	cps
Magnesium	24-2	3361393	3433093	3437594	3410693	1.25	cps
Manganese	55-2	508303	511309	509220	509611	0.30	cps

LB Number :	LB90047	Operator :	Jaswal
Lab Sample ID :	S07	Instrumnet Name :	P8
Client Sample ID :	S07	Dilution Factor :	1
Date & Time Acquired ::	2017-09-13 11:26:17	DataFile Name :	010CAL5_P8091317-MS

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Molybdenum	94-1	7137896	7220909	7212693	7190499	0.64	cps
Molybdenum	95-1	3820097	3923094	3854818	3866003	1.36	cps
Molybdenum	96-1	5027066	5075842	5077512	5060140	0.57	cps
Molybdenum	97-1	2411283	2432080	2410703	2418022	0.50	cps
Molybdenum	98-1	6252387	6297873	6194856	6248372	0.83	cps
Neodymium	150-1	200	360	407	322	33.64	cps
Neodymium	150-2	7	7	23	12	78.69	cps
Nickel	60-2	546919	548252	548825	547999	0.18	cps
Phosphorus	31-2	10429	9987	10646	10354	3.24	cps
Potassium	39-2	992653	981280	991140	988358	0.62	cps
Rhodium	103-1	7528906	7487079	7370152	7462046	1.10	cps
Rhodium	103-2	2049174	2059227	2036686	2048363	0.55	cps
Scandium	45-1	4689953	4626309	4602269	4639510	0.98	cps
Scandium	45-2	43862	43865	44999	44242	1.48	cps
Selenium	77-2	767	793	817	792	3.16	cps
Selenium	78-2	2537	2700	2774	2671	4.54	cps
Selenium	82-1	124140	124865	124991	124665	0.37	cps
Silicon	28-1	3581530	3627989	3618232	3609250	0.68	cps
Silver	109-1	11325551	11404496	11485458	11405168	0.70	cps
Silver	107-1	23322075	23468299	23632813	23474396	0.66	cps
Sodium	23-2	8252880	8242549	8310815	8268748	0.44	cps
Strontium	86-1	2472930	2497000	2501941	2490624	0.62	cps
Strontium	88-1	21116297	21172540	21428273	21239037	0.78	cps
Sulfur	34-1	986395	983518	981691	983868	0.24	cps
Terbium	159-1	10591939	10531430	10584612	10569327	0.31	cps
Terbium	159-2	2174148	2189117	2179049	2180771	0.35	cps
Thallium	203-1	6564053	6703743	6678045	6648614	1.12	cps
Thallium	205-1	15534065	15701855	15634714	15623545	0.54	cps
Tin	118-1	6310671	6340420	6396002	6349031	0.68	cps
Titanium	47-1	1005097	1006369	1008955	1006807	0.20	cps
Uranium	238-1	19829254	20120398	20380772	20110141	1.37	cps
Vanadium	51-2	692817	684522	692989	690110	0.70	cps
Yttrium	89-1	8855780	8725589	8662480	8747949	1.13	cps
Yttrium	89-2	284668	285683	287131	285827	0.43	cps
Zinc	66-2	292838	295106	296564	294836	0.64	cps
Zirconium	90-1	13713563	13786329	13943780	13814557	0.85	cps

LB Number :	LB90047	Operator :	Jaswal
Lab Sample ID :	S07	Instrumnet Name :	P8
Client Sample ID :	S07	Dilution Factor :	1
Date & Time Acquired ::	2017-09-13 11:26:17	DataFile Name :	010CALS_P8091317-MS

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	91-1	3069546	3102851	3083104	3085167	0.54	cps

LB Number :	LB90047	Operator :	Jaswal
Lab Sample ID :	S08	Instrumnet Name :	P8
Client Sample ID :	S08	Dilution Factor :	1
Date & Time Acquired ::	2017-09-13 11:29:25	DataFile Name :	011CAL_S_P8091317-MS

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	685150	690904	687384	687813	0.42	cps
Antimony	121-1	21284	21126	21000	21137	0.67	cps
Arsenic	75-2	43	28	46	39	25.20	cps
Barium	135-1	2900	3017	2809	2909	3.59	cps
Barium	137-1	5426	5618	5385	5476	2.27	cps
Beryllium	9-1	733	422	483	546	30.17	cps
Bismuth	209-1	5818066	5757053	5713545	5762888	0.91	cps
Bismuth	209-2	1595896	1609608	1607141	1604215	0.46	cps
Boron	10-1	6218	5576	4634	5476	14.55	cps
Boron	11-1	26200	24505	23495	24733	5.53	cps
Cadmium	111-1	1734	1691	1651	1692	2.45	cps
Cadmium	106-1	2100	2000	1900	2000	5.00	cps
Cadmium	108-1	58	67	54	60	10.66	cps
Calcium	43-1	9507249	9589260	9505435	9533981	0.50	cps
Calcium	44-1	156712679	155743158	157127279	156527705	0.45	cps
Chromium	52-2	7089	6812	6788	6896	2.42	cps
Cobalt	59-2	2294	2310	2410	2338	2.70	cps
Copper	63-2	5998	6008	5808	5938	1.90	cps
Dysprosium	156-1	100	92	75	89	14.32	cps
Dysprosium	156-2	3	17	3	8	99.04	cps
Erbium	164-1	92	42	83	72	37.09	cps
Erbium	164-2	3	7	10	7	50.03	cps
Gadolinium	160-1	75	133	125	111	28.40	cps
Gadolinium	160-2	27	30	23	27	12.51	cps
Holmium	165-1	10023956	9887829	9966071	9959285	0.69	cps
Holmium	165-2	2252861	2243376	2248950	2248396	0.21	cps
Indium	115-1	8016412	7943559	7908586	7956186	0.69	cps
Indium	115-2	364818	369165	373625	369203	1.19	cps
Iron	56-2	149947531	148497270	149607109	149350637	0.51	cps
Iron	57-2	3754688	3786074	3808681	3783148	0.72	cps
Lead	206-1	8703	8725	8898	8776	1.21	cps
Lead	207-1	7536	7736	7347	7540	2.58	cps
Lead	208-1	34670	35226	34531	34809	1.06	cps
Lithium	6-1	1226089	1221499	1192992	1213527	1.48	cps
Magnesium	24-2	16589021	16876048	16442369	16635812	1.33	cps
Manganese	55-2	1854	1743	1677	1758	5.08	cps

LB Number :	LB90047	Operator :	Jaswal
Lab Sample ID :	S08	Instrumnet Name :	P8
Client Sample ID :	S08	Dilution Factor :	1
Date & Time Acquired ::	2017-09-13 11:29:25	DataFile Name :	011CAL5_P8091317-MS

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Molybdenum	94-1	4409	4609	4267	4429	3.88	cps
Molybdenum	95-1	4993	4818	4634	4815	3.72	cps
Molybdenum	96-1	7552	7236	6977	7255	3.97	cps
Molybdenum	97-1	3242	3084	3509	3278	6.55	cps
Molybdenum	98-1	7811	7686	7269	7589	3.74	cps
Neodymium	150-1	113	40	67	73	50.62	cps
Neodymium	150-2	7	10	20	12	56.76	cps
Nickel	60-2	2197	2207	2147	2184	1.47	cps
Phosphorus	31-2	33	17	25	25	33.34	cps
Potassium	39-2	4872289	4883333	5012242	4922621	1.58	cps
Rhodium	103-1	7147233	7073675	7077668	7099525	0.58	cps
Rhodium	103-2	1961697	1964480	1922463	1949547	1.21	cps
Scandium	45-1	4584038	4506722	4524606	4538455	0.89	cps
Scandium	45-2	43313	42521	42912	42916	0.92	cps
Selenium	77-2	0	0	0	0	0.00	cps
Selenium	78-2	6	0	6	4	86.60	cps
Selenium	82-1	-6	-6	100	29	207.86	cps
Silicon	28-1	457694	456019	459813	457842	0.42	cps
Silver	109-1	1458	1183	1342	1328	10.40	cps
Silver	107-1	2817	2725	2459	2667	6.98	cps
Sodium	23-2	40816045	41251976	40913885	40993969	0.56	cps
Strontium	86-1	83287	84720	85870	84626	1.53	cps
Strontium	88-1	733053	735782	733211	734015	0.21	cps
Sulfur	34-1	399122	395469	394764	396452	0.59	cps
Terbium	159-1	10541488	10368697	10435201	10448462	0.83	cps
Terbium	159-2	2160687	2158588	2161944	2160406	0.08	cps
Thallium	203-1	2592	2475	2459	2509	2.90	cps
Thallium	205-1	6302	5593	5443	5779	7.94	cps
Tin	118-1	5485	5576	4993	5351	5.87	cps
Titanium	47-1	725	992	842	853	15.68	cps
Uranium	238-1	1950	1475	1717	1714	13.86	cps
Vanadium	51-2	170	170	133	158	13.41	cps
Yttrium	89-1	8574153	8482127	8438267	8498182	0.82	cps
Yttrium	89-2	281749	286469	289175	285798	1.32	cps
Zinc	66-2	1227	1227	1310	1255	3.84	cps
Zirconium	90-1	3784	4243	3651	3892	7.98	cps

LB Number :	LB90047	Operator :	Jaswal
Lab Sample ID :	S08	Instrumnet Name :	P8
Client Sample ID :	S08	Dilution Factor :	1
Date & Time Acquired ::	2017-09-13 11:29:25	DataFile Name :	011CALS_P8091317-MS

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	91-1	975	758	758	831	15.06	cps

LB Number :	LB90047	Operator :	Jaswal
Lab Sample ID :	ICV	Instrumnet Name :	P8
Client Sample ID :	ICV	Dilution Factor :	1
Date & Time Acquired ::	2017-09-13 12:19:00	DataFile Name :	022ICV_P8091317-MS.D

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	3709	3292	3442	3481	6.06	cps
Antimony	121-1	1661283	1717050	1680825	1686386	1.68	cps
Arsenic	75-2	22394	22218	22774	22462	1.27	cps
Barium	135-1	166952	173532	172619	171034	2.08	cps
Barium	137-1	291560	302626	300828	298338	1.99	cps
Beryllium	9-1	114172	119117	117588	116959	2.16	cps
Bismuth	209-1	5531933	5717459	5747989	5665794	2.06	cps
Bismuth	209-2	1858762	1848651	1816534	1841316	1.20	cps
Boron	10-1	1100	1258	1092	1150	8.17	cps
Boron	11-1	4776	5126	5043	4982	3.67	cps
Cadmium	111-1	176932	190004	183025	183320	3.57	cps
Cadmium	106-1	17220	18347	17954	17840	3.21	cps
Cadmium	108-1	11680	11906	12569	12051	3.83	cps
Calcium	43-1	34744	37743	37125	36537	4.33	cps
Calcium	44-1	591684	618147	616322	608718	2.43	cps
Chromium	52-2	89930	87760	89433	89041	1.28	cps
Cobalt	59-2	193449	190865	189418	191244	1.07	cps
Copper	63-2	164392	164230	162214	163612	0.74	cps
Dysprosium	156-1	8	25	17	17	50.01	cps
Dysprosium	156-2	0	0	0	0	0.00	cps
Erbium	164-1	75	92	42	69	36.66	cps
Erbium	164-2	3	33	7	14	113.83	cps
Gadolinium	160-1	75	92	83	83	10.00	cps
Gadolinium	160-2	7	3	10	7	50.03	cps
Holmium	165-1	9034973	9465222	9418509	9306235	2.54	cps
Holmium	165-2	2308965	2319452	2315260	2314559	0.23	cps
Indium	115-1	7830439	8141960	8117001	8029800	2.16	cps
Indium	115-2	413627	406366	406462	408818	1.02	cps
Iron	56-2	606868	601877	598762	602502	0.68	cps
Iron	57-2	15509	14786	14942	15079	2.52	cps
Lead	206-1	912908	961141	952187	942078	2.72	cps
Lead	207-1	795213	837852	837185	823416	2.97	cps
Lead	208-1	3736063	3924698	3881366	3847376	2.57	cps
Lithium	6-1	1161853	1220806	1218771	1200477	2.79	cps
Magnesium	24-2	39706	40525	40166	40133	1.02	cps
Manganese	55-2	25119	25443	25410	25324	0.70	cps

LB Number :	LB90047	Operator :	Jaswal
Lab Sample ID :	ICV	Instrumnet Name :	P8
Client Sample ID :	ICV	Dilution Factor :	1
Date & Time Acquired ::	2017-09-13 12:19:00	DataFile Name :	022ICV_P8091317-MS.D

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Molybdenum	94-1	300	483	292	358	30.23	cps
Molybdenum	95-1	142	108	142	131	14.74	cps
Molybdenum	96-1	325	300	275	300	8.33	cps
Molybdenum	97-1	133	117	175	142	21.21	cps
Molybdenum	98-1	150	175	183	169	10.24	cps
Neodymium	150-1	7	20	40	22	75.49	cps
Neodymium	150-2	0	0	3	1	173.21	cps
Nickel	60-2	56176	55530	56933	56213	1.25	cps
Phosphorus	31-2	8	0	25	11	114.58	cps
Potassium	39-2	43226	41697	42816	42580	1.86	cps
Rhodium	103-1	7265877	7619142	7615996	7500338	2.71	cps
Rhodium	103-2	2203926	2167061	2158795	2176594	1.10	cps
Scandium	45-1	4370662	4571861	4548203	4496909	2.45	cps
Scandium	45-2	46430	45357	44363	45383	2.28	cps
Selenium	77-2	207	207	160	191	14.10	cps
Selenium	78-2	620	550	520	564	9.11	cps
Selenium	82-1	22435	23511	23339	23095	2.50	cps
Silicon	28-1	421028	410785	424779	418864	1.73	cps
Silver	109-1	894946	942313	943831	927030	3.00	cps
Silver	107-1	1844532	1934828	1933742	1904367	2.72	cps
Sodium	23-2	199751	193827	193764	195781	1.76	cps
Strontium	86-1	5726	6519	5877	6041	6.97	cps
Strontium	88-1	44181	46154	44741	45025	2.26	cps
Sulfur	34-1	383975	385321	380533	383276	0.64	cps
Terbium	159-1	9536095	9997529	9864379	9799335	2.42	cps
Terbium	159-2	2252745	2252958	2214656	2240119	0.98	cps
Thallium	203-1	1143067	1215365	1194781	1184405	3.14	cps
Thallium	205-1	2790522	2983270	2883364	2885719	3.34	cps
Tin	118-1	867	892	933	897	3.75	cps
Titanium	47-1	267	183	200	217	20.35	cps
Uranium	238-1	67	58	58	61	7.87	cps
Vanadium	51-2	67140	67016	66561	66906	0.46	cps
Yttrium	89-1	8232764	8539267	8613991	8462007	2.39	cps
Yttrium	89-2	304703	301245	301331	302426	0.65	cps
Zinc	66-2	30661	30323	29792	30259	1.45	cps
Zirconium	90-1	625	542	667	611	10.42	cps

LB Number :	LB90047	Operator :	Jaswal
Lab Sample ID :	ICV	Instrumnet Name :	P8
Client Sample ID :	ICV	Dilution Factor :	1
Date & Time Acquired ::	2017-09-13 12:19:00	DataFile Name :	022ICV_P8091317-MS.D

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	91-1	208	267	225	233	12.88	cps

LB Number : LB90047 Operator : Jaswal
 Lab Sample ID : ICB Instrumnet Name : P8
 Client Sample ID : ICB Dilution Factor : 1
 Date & Time Acquired :: 2017-09-13 12:22:39 DataFile Name : 023CCBE_P8091317-M8

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	17	25	17	19	24.73	cps
Antimony	121-1	1659	1867	1809	1778	6.05	cps
Arsenic	75-2	9	11	17	12	31.24	cps
Barium	135-1	25	67	25	39	61.86	cps
Barium	137-1	67	67	17	50	57.73	cps
Beryllium	9-1	272	289	233	265	10.77	cps
Bismuth	209-1	6064522	5972933	5952728	5996728	0.99	cps
Bismuth	209-2	1890787	1771557	1628994	1763779	7.43	cps
Boron	10-1	1100	908	975	995	9.78	cps
Boron	11-1	4451	4367	4426	4415	0.97	cps
Cadmium	111-1	1316	1386	1342	1348	2.61	cps
Cadmium	106-1	1850	1942	1900	1897	2.42	cps
Cadmium	108-1	0	4	13	6	114.53	cps
Calcium	43-1	1742	1725	1675	1714	2.02	cps
Calcium	44-1	37995	38646	37769	38136	1.19	cps
Chromium	52-2	737	740	717	731	1.73	cps
Cobalt	59-2	100	87	110	99	11.84	cps
Copper	63-2	597	560	567	574	3.40	cps
Dysprosium	156-1	25	33	17	25	33.32	cps
Dysprosium	156-2	0	7	0	2	173.21	cps
Erbium	164-1	25	33	67	42	52.92	cps
Erbium	164-2	10	10	7	9	21.63	cps
Gadolinium	160-1	33	108	50	64	61.65	cps
Gadolinium	160-2	17	13	10	13	25.01	cps
Holmium	165-1	9853632	9841005	9734003	9809546	0.67	cps
Holmium	165-2	2390249	2189926	2092807	2224328	6.82	cps
Indium	115-1	8519389	8568000	8364765	8484052	1.25	cps
Indium	115-2	420260	387359	373027	393548	6.15	cps
Iron	56-2	2417	2322	2389	2376	2.04	cps
Iron	57-2	122	83	78	94	25.64	cps
Lead	206-1	917	639	783	780	17.82	cps
Lead	207-1	883	906	600	796	21.39	cps
Lead	208-1	3239	3117	3095	3150	2.47	cps
Lithium	6-1	1264283	1277968	1253475	1265242	0.97	cps
Magnesium	24-2	233	217	342	264	25.72	cps
Manganese	55-2	93	107	67	89	22.91	cps

LB Number :	LB90047	Operator :	Jaswal
Lab Sample ID :	ICB	Instrumnet Name :	P8
Client Sample ID :	ICB	Dilution Factor :	1
Date & Time Acquired ::	2017-09-13 12:22:39	DataFile Name :	023CCBE_P8091317-M8

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Molybdenum	94-1	283	175	242	233	23.42	cps
Molybdenum	95-1	50	58	67	58	14.29	cps
Molybdenum	96-1	75	108	167	117	39.77	cps
Molybdenum	97-1	75	117	67	86	31.11	cps
Molybdenum	98-1	108	108	125	114	8.45	cps
Neodymium	150-1	13	0	13	9	86.60	cps
Neodymium	150-2	0	0	3	1	173.21	cps
Nickel	60-2	467	407	403	426	8.37	cps
Phosphorus	31-2	0	8	0	3	173.21	cps
Potassium	39-2	4142	3951	3526	3873	8.15	cps
Rhodium	103-1	7978903	7945559	7825021	7916494	1.02	cps
Rhodium	103-2	2253989	2078532	2012240	2114920	5.91	cps
Scandium	45-1	4756221	4759176	4728292	4747896	0.36	cps
Scandium	45-2	45835	42656	40729	43073	5.99	cps
Selenium	77-2	0	7	0	2	173.21	cps
Selenium	78-2	2	0	2	1	86.60	cps
Selenium	82-1	60	-14	-54	-3	-2249.32	cps
Silicon	28-1	421774	424163	419476	421804	0.56	cps
Silver	109-1	158	225	183	189	17.83	cps
Silver	107-1	458	533	417	469	12.59	cps
Sodium	23-2	17678	17386	17186	17417	1.42	cps
Strontium	86-1	992	917	925	945	4.35	cps
Strontium	88-1	192	225	192	203	9.49	cps
Sulfur	34-1	390224	389912	390131	390089	0.04	cps
Terbium	159-1	10284546	10225129	10103172	10204282	0.91	cps
Terbium	159-2	2303829	2115417	2045006	2154750	6.21	cps
Thallium	203-1	608	583	700	631	9.74	cps
Thallium	205-1	1300	1358	1033	1231	14.08	cps
Tin	118-1	833	883	800	839	5.00	cps
Titanium	47-1	117	200	192	169	27.09	cps
Uranium	238-1	50	100	83	78	32.73	cps
Vanadium	51-2	13	13	0	9	86.60	cps
Yttrium	89-1	9001755	8942433	8843625	8929271	0.89	cps
Yttrium	89-2	306973	285547	273761	288760	5.83	cps
Zinc	66-2	57	77	27	53	47.18	cps
Zirconium	90-1	642	550	508	567	12.04	cps

LB Number :	LB90047	Operator :	Jaswal
Lab Sample ID :	ICB	Instrumnet Name :	P8
Client Sample ID :	ICB	Dilution Factor :	1
Date & Time Acquired ::	2017-09-13 12:22:39	DataFile Name :	023CCBE_P8091317-MS

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	91-1	92	125	108	108	15.39	cps

LB Number : LB90047 Operator : Jaswal
 Lab Sample ID : ICSA Instrumnet Name : P8
 Client Sample ID : ICSA Dilution Factor : 1
 Date & Time Acquired :: 2017-09-13 12:25:46 DataFile Name : 024ICSA_P8091317-MS.

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	611344	621530	624116	618997	1.09	cps
Antimony	121-1	12239	11222	11614	11692	4.39	cps
Arsenic	75-2	37	46	48	44	13.58	cps
Barium	135-1	2717	2400	2950	2689	10.27	cps
Barium	137-1	4751	4501	5201	4818	7.37	cps
Beryllium	9-1	494	567	506	522	7.45	cps
Bismuth	209-1	5821650	5863685	5875944	5853760	0.49	cps
Bismuth	209-2	1679808	1694114	1741473	1705132	1.89	cps
Boron	10-1	1092	1058	1083	1078	1.61	cps
Boron	11-1	4876	4593	4893	4787	3.52	cps
Cadmium	111-1	1812	1784	1900	1832	3.29	cps
Cadmium	106-1	1742	1600	1800	1714	6.00	cps
Cadmium	108-1	963	1033	1021	1006	3.76	cps
Calcium	43-1	1848415	1864134	1850842	1854464	0.46	cps
Calcium	44-1	29799090	29969755	29689145	29819330	0.47	cps
Chromium	52-2	18459	18359	18222	18347	0.65	cps
Cobalt	59-2	2137	2204	2240	2194	2.39	cps
Copper	63-2	12846	12893	13193	12977	1.45	cps
Dysprosium	156-1	33	42	42	39	12.38	cps
Dysprosium	156-2	3	17	7	9	78.08	cps
Erbium	164-1	58	50	50	53	9.12	cps
Erbium	164-2	0	10	10	7	86.60	cps
Gadolinium	160-1	100	83	92	92	9.09	cps
Gadolinium	160-2	23	13	13	17	34.65	cps
Holmium	165-1	9892527	10050775	10068089	10003797	0.97	cps
Holmium	165-2	2303189	2319151	2280903	2301081	0.83	cps
Indium	115-1	8313109	8274792	8283824	8290575	0.24	cps
Indium	115-2	388781	389391	389630	389268	0.11	cps
Iron	56-2	58105828	58231067	58524739	58287211	0.37	cps
Iron	57-2	1514362	1510938	1513579	1512960	0.12	cps
Lead	206-1	24524	24352	24246	24374	0.58	cps
Lead	207-1	19504	19543	18798	19282	2.18	cps
Lead	208-1	92376	91669	91168	91738	0.66	cps
Lithium	6-1	1240187	1245437	1214502	1233375	1.34	cps
Magnesium	24-2	3248103	3295210	3305710	3283008	0.93	cps
Manganese	55-2	2040	1990	2040	2024	1.43	cps

LB Number :	LB90047	Operator :	Jaswal
Lab Sample ID :	ICSA	Instrumnet Name :	P8
Client Sample ID :	ICSA	Dilution Factor :	1
Date & Time Acquired ::	2017-09-13 12:25:46	DataFile Name :	024ICSA_P8091317-MS.

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Molybdenum	94-1	4081178	4142756	4141145	4121693	0.85	cps
Molybdenum	95-1	7130165	7203882	7170029	7168026	0.51	cps
Molybdenum	96-1	7756760	7855085	7806201	7806015	0.63	cps
Molybdenum	97-1	4488617	4493124	4484970	4488903	0.09	cps
Molybdenum	98-1	11561369	11638151	11546582	11582034	0.42	cps
Neodymium	150-1	40	33	60	44	31.22	cps
Neodymium	150-2	10	3	10	8	49.52	cps
Nickel	60-2	3374	3390	3217	3327	2.87	cps
Phosphorus	31-2	49362	50934	49830	50042	1.61	cps
Potassium	39-2	1935665	1965654	1964840	1955386	0.87	cps
Rhodium	103-1	7481161	7581949	7503839	7522316	0.70	cps
Rhodium	103-2	2082065	2084350	2090143	2085519	0.20	cps
Scandium	45-1	4713160	4704779	4727069	4715003	0.24	cps
Scandium	45-2	44286	43858	44223	44123	0.52	cps
Selenium	77-2	7	0	0	2	173.21	cps
Selenium	78-2	0	2	2	1	86.60	cps
Selenium	82-1	47	40	87	58	43.37	cps
Silicon	28-1	534217	527942	529138	530432	0.63	cps
Silver	109-1	1934	2209	2409	2184	10.92	cps
Silver	107-1	3700	4567	5126	4464	16.09	cps
Sodium	23-2	7849302	7917582	7941661	7902848	0.61	cps
Strontium	86-1	80612	82299	80848	81253	1.12	cps
Strontium	88-1	698787	698118	699996	698967	0.14	cps
Sulfur	34-1	2543435	2549610	2534771	2542605	0.29	cps
Terbium	159-1	10462950	10472123	10514308	10483127	0.26	cps
Terbium	159-2	2248925	2205554	2222020	2225500	0.98	cps
Thallium	203-1	892	792	850	845	5.95	cps
Thallium	205-1	1967	1784	1734	1828	6.72	cps
Tin	118-1	1625	1867	1900	1797	8.35	cps
Titanium	47-1	1939202	1943639	1931784	1938208	0.31	cps
Uranium	238-1	408	300	375	361	15.37	cps
Vanadium	51-2	120	107	93	107	12.50	cps
Yttrium	89-1	8762334	8862356	8881693	8835461	0.73	cps
Yttrium	89-2	294173	295532	295564	295090	0.27	cps
Zinc	66-2	1723	1800	1753	1759	2.20	cps
Zirconium	90-1	1208	1275	1033	1172	10.65	cps

LB Number :	LB90047	Operator :	Jaswal
Lab Sample ID :	ICSA	Instrumnet Name :	P8
Client Sample ID :	ICSA	Dilution Factor :	1
Date & Time Acquired ::	2017-09-13 12:25:46	DataFile Name :	024ICSA_P8091317-MS.

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	91-1	217	250	200	222	11.46	cps

LB Number : LB90047 Operator : Jaswal
 Lab Sample ID : ICSAB Instrumnet Name : P8
 Client Sample ID : ICSAB Dilution Factor : 1
 Date & Time Acquired :: 2017-09-13 12:28:50 DataFile Name : 025ICSB_P8091317-MS.

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	630334	631826	628432	630198	0.27	cps
Antimony	121-1	186687	189223	192132	189347	1.44	cps
Arsenic	75-2	2202	2261	2235	2233	1.33	cps
Barium	135-1	39201	40354	41140	40232	2.42	cps
Barium	137-1	68796	71226	69324	69782	1.83	cps
Beryllium	9-1	24772	25345	25668	25262	1.80	cps
Bismuth	209-1	5593842	5729176	5777364	5700127	1.67	cps
Bismuth	209-2	1698307	1679433	1736811	1704850	1.72	cps
Boron	10-1	8978	9837	9554	9456	4.63	cps
Boron	11-1	41837	43525	44177	43180	2.80	cps
Cadmium	111-1	38878	40712	40746	40112	2.67	cps
Cadmium	106-1	6460	6468	6577	6502	1.00	cps
Cadmium	108-1	4030	3871	3984	3962	2.06	cps
Calcium	43-1	1819585	1876987	1866166	1854246	1.64	cps
Calcium	44-1	29337243	30271585	30553626	30054151	2.12	cps
Chromium	52-2	37500	36929	37103	37177	0.79	cps
Cobalt	59-2	40883	41184	40940	41002	0.39	cps
Copper	63-2	46762	46391	46270	46474	0.55	cps
Dysprosium	156-1	50	50	33	44	21.64	cps
Dysprosium	156-2	7	3	17	9	78.08	cps
Erbium	164-1	75	108	67	83	26.46	cps
Erbium	164-2	17	17	17	17	0.00	cps
Gadolinium	160-1	67	100	92	86	20.15	cps
Gadolinium	160-2	23	10	20	18	39.03	cps
Holmium	165-1	9578577	9871795	9839439	9763270	1.65	cps
Holmium	165-2	2311137	2288266	2289554	2296319	0.56	cps
Indium	115-1	7970071	8114697	8174075	8086281	1.30	cps
Indium	115-2	389553	388691	387460	388568	0.27	cps
Iron	56-2	60020793	60012778	59910922	59981498	0.10	cps
Iron	57-2	1541598	1543534	1533730	1539621	0.34	cps
Lead	206-1	123679	126569	126681	125643	1.35	cps
Lead	207-1	103301	107043	108090	106145	2.37	cps
Lead	208-1	480312	491231	492785	488110	1.39	cps
Lithium	6-1	1182401	1220300	1198178	1200293	1.59	cps
Magnesium	24-2	3370418	3319780	3345600	3345266	0.76	cps
Manganese	55-2	7212	7452	7169	7278	2.10	cps

LB Number : LB90047 Operator : Jaswal
 Lab Sample ID : ICSAB Instrumnet Name : P8
 Client Sample ID : ICSAB Dilution Factor : 1
 Date & Time Acquired :: 2017-09-13 12:28:50 DataFile Name : 025ICSB_P8091317-MS.

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Molybdenum	94-1	4415642	4564475	4572305	4517474	1.95	cps
Molybdenum	95-1	7261305	7419554	7484733	7388530	1.56	cps
Molybdenum	96-1	7894178	8090143	8145060	8043127	1.64	cps
Molybdenum	97-1	4518738	4663795	4618380	4600304	1.61	cps
Molybdenum	98-1	11768518	12066513	12076373	11970468	1.46	cps
Neodymium	150-1	80	40	67	62	32.73	cps
Neodymium	150-2	3	10	7	7	50.03	cps
Nickel	60-2	14821	14725	14761	14769	0.33	cps
Phosphorus	31-2	50943	51403	49747	50697	1.69	cps
Potassium	39-2	2012989	2012278	1987752	2004340	0.72	cps
Rhodium	103-1	7208707	7345694	7440782	7331728	1.59	cps
Rhodium	103-2	2093405	2071191	2071887	2078828	0.61	cps
Scandium	45-1	4471720	4584887	4714731	4590446	2.65	cps
Scandium	45-2	44681	43451	44052	44061	1.40	cps
Selenium	77-2	20	10	10	13	43.30	cps
Selenium	78-2	57	57	70	62	12.12	cps
Selenium	82-1	2378	2459	2406	2415	1.71	cps
Silicon	28-1	740218	757501	753872	750531	1.21	cps
Silver	109-1	167541	172812	173168	171173	1.84	cps
Silver	107-1	343020	352844	353593	349819	1.69	cps
Sodium	23-2	8080175	8140348	8044147	8088223	0.60	cps
Strontium	86-1	212191	217736	217598	215841	1.47	cps
Strontium	88-1	1867842	1936401	1910376	1904873	1.82	cps
Sulfur	34-1	2481561	2543491	2534139	2519730	1.32	cps
Terbium	159-1	10030771	10352765	10369899	10251145	1.86	cps
Terbium	159-2	2222219	2216521	2210164	2216302	0.27	cps
Thallium	203-1	125776	128569	126938	127095	1.10	cps
Thallium	205-1	298156	304833	304884	302624	1.28	cps
Tin	118-1	341455	351497	349006	347319	1.51	cps
Titanium	47-1	1957213	1990543	2016383	1988046	1.49	cps
Uranium	238-1	1041998	1069870	1081668	1064512	1.91	cps
Vanadium	51-2	13363	13353	13553	13423	0.84	cps
Yttrium	89-1	8399622	8752441	8740365	8630810	2.32	cps
Yttrium	89-2	295596	294108	294971	294892	0.25	cps
Zinc	66-2	4868	4711	4824	4801	1.69	cps
Zirconium	90-1	734527	756013	752394	747645	1.54	cps

LB Number :	LB90047	Operator :	Jaswal
Lab Sample ID :	ICSAB	Instrumnet Name :	P8
Client Sample ID :	ICSAB	Dilution Factor :	1
Date & Time Acquired ::	2017-09-13 12:28:50	DataFile Name :	025ICSB_P8091317-MS.

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	91-1	163681	166803	167478	165987	1.22	cps

LB Number :	LB90047	Operator :	Jaswal
Lab Sample ID :	CCV015	Instrumnet Name :	P8
Client Sample ID :	CCV015	Dilution Factor :	1
Date & Time Acquired ::	2017-09-13 12:35:56	DataFile Name :	027CCV_P8091317-MS.I

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	335883	349577	345804	343755	2.06	cps
Antimony	121-1	4350127	4519027	4633766	4500973	3.17	cps
Arsenic	75-2	54921	56985	56673	56193	1.98	cps
Barium	135-1	4500178	4659934	4725742	4628618	2.51	cps
Barium	137-1	7761156	8032060	8220651	8004622	2.89	cps
Beryllium	9-1	589439	614842	630022	611434	3.35	cps
Bismuth	209-1	5373908	5534432	5677039	5528460	2.74	cps
Bismuth	209-2	1592675	1659960	1637025	1629887	2.10	cps
Boron	10-1	69695	73564	76889	73383	4.91	cps
Boron	11-1	322867	344551	361350	342923	5.63	cps
Cadmium	111-1	905154	944539	971477	940390	3.55	cps
Cadmium	106-1	95847	98248	100742	98279	2.49	cps
Cadmium	108-1	63361	66886	68946	66398	4.25	cps
Calcium	43-1	4329508	4508042	4591145	4476231	2.99	cps
Calcium	44-1	70561906	73403229	75039081	73001405	3.10	cps
Chromium	52-2	445007	464472	455724	455068	2.14	cps
Cobalt	59-2	914468	940035	933474	929326	1.43	cps
Copper	63-2	1543041	1592428	1600478	1578649	1.97	cps
Dysprosium	156-1	117	92	92	100	14.43	cps
Dysprosium	156-2	3	10	10	8	49.52	cps
Erbium	164-1	67	67	83	72	13.33	cps
Erbium	164-2	10	10	10	10	0.00	cps
Gadolinium	160-1	167	100	58	108	50.44	cps
Gadolinium	160-2	17	27	20	21	24.12	cps
Holmium	165-1	9159996	9505805	9803963	9489921	3.40	cps
Holmium	165-2	2183646	2262267	2230757	2225557	1.78	cps
Indium	115-1	7560706	7857213	7987808	7801909	2.81	cps
Indium	115-2	365118	379450	377597	374055	2.08	cps
Iron	56-2	71123668	74753904	73967241	73281604	2.61	cps
Iron	57-2	1837985	1905606	1900632	1881408	2.00	cps
Lead	206-1	2436536	2483896	2591363	2503931	3.17	cps
Lead	207-1	2223213	2298777	2355759	2292583	2.90	cps
Lead	208-1	9943880	10253816	10480812	10226169	2.64	cps
Lithium	6-1	1136081	1161718	1187511	1161770	2.21	cps
Magnesium	24-2	8049876	8406904	8242611	8233130	2.17	cps
Manganese	55-2	247238	262414	258217	255957	3.06	cps

LB Number :	LB90047	Operator :	Jaswal
Lab Sample ID :	CCV015	Instrumnet Name :	P8
Client Sample ID :	CCV015	Dilution Factor :	1
Date & Time Acquired ::	2017-09-13 12:35:56	DataFile Name :	027CCV_P8091317-MS.I

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Molybdenum	94-1	3385473	3572135	3584468	3514025	3.17	cps
Molybdenum	95-1	1837935	1894551	1935831	1889439	2.60	cps
Molybdenum	96-1	2398410	2488339	2505509	2464086	2.33	cps
Molybdenum	97-1	1114854	1160444	1186060	1153786	3.13	cps
Molybdenum	98-1	2963032	3059752	3095200	3039328	2.25	cps
Neodymium	150-1	153	200	200	184	14.61	cps
Neodymium	150-2	0	7	13	7	99.98	cps
Nickel	60-2	262111	271509	269850	267823	1.87	cps
Phosphorus	31-2	4976	5493	5268	5246	4.94	cps
Potassium	39-2	2427660	2533423	2486870	2482651	2.14	cps
Rhodium	103-1	6854532	7164210	7321641	7113461	3.34	cps
Rhodium	103-2	1929053	2040406	2034708	2001389	3.13	cps
Scandium	45-1	4339108	4510730	4592597	4480812	2.89	cps
Scandium	45-2	41983	43992	43822	43266	2.58	cps
Selenium	77-2	353	440	330	374	15.48	cps
Selenium	78-2	1398	1346	1345	1363	2.24	cps
Selenium	82-1	57178	59360	60667	59068	2.98	cps
Silicon	28-1	1949254	2037061	2077313	2021209	3.24	cps
Silver	109-1	4510045	4734695	4804819	4683186	3.29	cps
Silver	107-1	9265673	9683925	9898475	9616024	3.35	cps
Sodium	23-2	19598960	20429131	20075644	20034578	2.08	cps
Strontium	86-1	1177879	1225791	1259225	1220965	3.35	cps
Strontium	88-1	10204378	10653456	10806160	10554665	2.96	cps
Sulfur	34-1	639464	654018	668720	654067	2.24	cps
Terbium	159-1	9545595	10008515	10187017	9913709	3.34	cps
Terbium	159-2	2114837	2173099	2127442	2138459	1.43	cps
Thallium	203-1	3030399	3141320	3196344	3122687	2.71	cps
Thallium	205-1	7101425	7317428	7443928	7287593	2.38	cps
Tin	118-1	3008925	3105368	3154083	3089459	2.39	cps
Titanium	47-1	469336	488034	500048	485806	3.19	cps
Uranium	238-1	9143279	9426227	9661421	9410309	2.76	cps
Vanadium	51-2	335776	348652	345522	343317	1.96	cps
Yttrium	89-1	8201018	8458934	8627251	8429068	2.55	cps
Yttrium	89-2	276735	294046	290295	287025	3.17	cps
Zinc	66-2	141701	144591	144308	143533	1.11	cps
Zirconium	90-1	6468814	6641505	6881438	6663919	3.11	cps

LB Number :	LB90047	Operator :	Jaswal
Lab Sample ID :	CCV015	Instrumnet Name :	P8
Client Sample ID :	CCV015	Dilution Factor :	1
Date & Time Acquired ::	2017-09-13 12:35:56	DataFile Name :	027CCV_P8091317-MS.I

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	91-1	1458894	1513546	1556826	1509755	3.25	cps

LB Number :	LB90047	Operator :	Jaswal
Lab Sample ID :	CCB015	Instrumnet Name :	P8
Client Sample ID :	CCB015	Dilution Factor :	1
Date & Time Acquired ::	2017-09-13 12:39:03	DataFile Name :	028CCBE_P8091317-M8

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	8	17	8	11	43.34	cps
Antimony	121-1	3509	3359	3534	3467	2.73	cps
Arsenic	75-2	9	9	13	10	20.36	cps
Barium	135-1	58	42	50	50	16.67	cps
Barium	137-1	75	100	108	94	18.37	cps
Beryllium	9-1	383	422	378	394	6.14	cps
Bismuth	209-1	5346902	5627708	5667703	5547438	3.15	cps
Bismuth	209-2	1752188	1655179	1694431	1700599	2.87	cps
Boron	10-1	2725	2409	2159	2431	11.69	cps
Boron	11-1	11313	10930	9679	10641	8.03	cps
Cadmium	111-1	1135	1295	1288	1239	7.32	cps
Cadmium	106-1	1558	1784	1792	1711	7.74	cps
Cadmium	108-1	21	17	17	18	13.30	cps
Calcium	43-1	1617	1600	1709	1642	3.55	cps
Calcium	44-1	39908	39464	39189	39520	0.92	cps
Chromium	52-2	760	713	693	722	4.74	cps
Cobalt	59-2	83	100	87	90	9.80	cps
Copper	63-2	543	640	613	599	8.34	cps
Dysprosium	156-1	17	8	8	11	43.34	cps
Dysprosium	156-2	0	3	0	1	173.21	cps
Erbium	164-1	33	33	67	44	43.31	cps
Erbium	164-2	7	13	7	9	43.25	cps
Gadolinium	160-1	67	33	50	50	33.34	cps
Gadolinium	160-2	0	13	3	6	124.93	cps
Holmium	165-1	8640807	9181455	9375677	9065980	4.20	cps
Holmium	165-2	2243468	2192988	2202577	2213011	1.21	cps
Indium	115-1	7550299	7967064	8047436	7854933	3.40	cps
Indium	115-2	392901	386185	392134	390407	0.94	cps
Iron	56-2	3501	3467	3373	3447	1.92	cps
Iron	57-2	83	100	67	83	20.00	cps
Lead	206-1	1089	1039	956	1028	6.55	cps
Lead	207-1	1072	933	1067	1024	7.68	cps
Lead	208-1	4306	4073	4189	4189	2.79	cps
Lithium	6-1	1111882	1164438	1204126	1160148	3.99	cps
Magnesium	24-2	258	233	283	258	9.68	cps
Manganese	55-2	77	77	87	80	7.22	cps

LB Number :	LB90047	Operator :	Jaswal
Lab Sample ID :	CCB015	Instrumnet Name :	P8
Client Sample ID :	CCB015	Dilution Factor :	1
Date & Time Acquired ::	2017-09-13 12:39:03	DataFile Name :	028CCBE_P8091317-M8

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Molybdenum	94-1	650	642	675	656	2.65	cps
Molybdenum	95-1	575	500	567	547	7.51	cps
Molybdenum	96-1	525	675	725	642	16.22	cps
Molybdenum	97-1	358	350	392	367	6.01	cps
Molybdenum	98-1	842	825	758	808	5.46	cps
Neodymium	150-1	20	13	13	16	24.76	cps
Neodymium	150-2	0	0	0	0	0.00	cps
Nickel	60-2	367	327	390	361	8.87	cps
Phosphorus	31-2	33	17	0	17	100.00	cps
Potassium	39-2	4134	4109	3784	4009	4.87	cps
Rhodium	103-1	7077037	7433809	7433002	7314616	2.81	cps
Rhodium	103-2	2077281	2057536	2088982	2074599	0.77	cps
Scandium	45-1	4229193	4383374	4507283	4373283	3.19	cps
Scandium	45-2	43808	41060	42330	42400	3.24	cps
Selenium	77-2	0	0	0	0	0.00	cps
Selenium	78-2	2	6	2	3	69.39	cps
Selenium	82-1	-5	-21	-14	-13	-56.53	cps
Silicon	28-1	405234	396112	404809	402052	1.28	cps
Silver	109-1	517	558	458	511	9.83	cps
Silver	107-1	9381	1133	1142	3886	122.50	cps
Sodium	23-2	24413	24380	25073	24622	1.59	cps
Strontium	86-1	817	900	858	858	4.85	cps
Strontium	88-1	200	233	125	186	29.81	cps
Sulfur	34-1	363974	372856	370798	369209	1.26	cps
Terbium	159-1	9143239	9885608	9768827	9599225	4.16	cps
Terbium	159-2	2198660	2087360	2110864	2132295	2.75	cps
Thallium	203-1	1225	1000	1067	1097	10.53	cps
Thallium	205-1	2592	2500	2334	2475	5.29	cps
Tin	118-1	1625	1750	1859	1745	6.69	cps
Titanium	47-1	183	167	158	169	7.51	cps
Uranium	238-1	150	125	167	147	14.24	cps
Vanadium	51-2	10	7	23	13	66.12	cps
Yttrium	89-1	7848689	8353795	8424390	8208958	3.82	cps
Yttrium	89-2	291016	280740	289372	287042	1.92	cps
Zinc	66-2	70	43	47	53	27.24	cps
Zirconium	90-1	942	842	1067	950	11.87	cps

LB Number :	LB90047	Operator :	Jaswal
Lab Sample ID :	CCB015	Instrumnet Name :	P8
Client Sample ID :	CCB015	Dilution Factor :	1
Date & Time Acquired ::	2017-09-13 12:39:03	DataFile Name :	028CCBE_P8091317-MS

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	91-1	183	175	192	183	4.55	cps

LB Number :	LB90047	Operator :	Jaswal
Lab Sample ID :	CRI	Instrumnet Name :	P8
Client Sample ID :	CRI	Dilution Factor :	1
Date & Time Acquired ::	2017-09-13 12:42:11	DataFile Name :	029SMPL_P8091317-MS

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	150	150	117	139	13.86	cps
Antimony	121-1	17262	17420	17854	17512	1.75	cps
Arsenic	75-2	109	131	115	119	9.76	cps
Barium	135-1	17020	16661	16987	16889	1.17	cps
Barium	137-1	28707	28598	28223	28509	0.89	cps
Beryllium	9-1	1450	1411	1245	1369	7.98	cps
Bismuth	209-1	5798157	5796365	5687495	5760672	1.10	cps
Bismuth	209-2	1759378	1770708	1773299	1767795	0.42	cps
Boron	10-1	4976	4968	4167	4704	9.87	cps
Boron	11-1	21851	20240	21258	21116	3.86	cps
Cadmium	111-1	2987	2969	3027	2994	1.00	cps
Cadmium	106-1	1792	1875	1700	1789	4.89	cps
Cadmium	108-1	138	117	138	131	9.21	cps
Calcium	43-1	9770	10496	10079	10115	3.60	cps
Calcium	44-1	175880	176698	175955	176178	0.26	cps
Chromium	52-2	2564	2617	2507	2563	2.15	cps
Cobalt	59-2	1797	1753	1800	1783	1.46	cps
Copper	63-2	3881	3977	3984	3947	1.47	cps
Dysprosium	156-1	17	17	8	14	34.67	cps
Dysprosium	156-2	0	3	7	3	100.05	cps
Erbium	164-1	75	25	25	42	69.29	cps
Erbium	164-2	13	27	7	16	65.47	cps
Gadolinium	160-1	25	100	117	81	60.62	cps
Gadolinium	160-2	10	3	7	7	50.03	cps
Holmium	165-1	9518111	9693553	9392549	9534738	1.59	cps
Holmium	165-2	2310146	2294160	2269782	2291363	0.89	cps
Indium	115-1	8314110	8304945	8277825	8298960	0.23	cps
Indium	115-2	399269	400697	399549	399838	0.19	cps
Iron	56-2	29760	30617	30690	30356	1.70	cps
Iron	57-2	800	845	800	815	3.15	cps
Lead	206-1	6457	6663	6191	6437	3.68	cps
Lead	207-1	5896	5840	5551	5763	3.21	cps
Lead	208-1	26117	26517	25294	25976	2.40	cps
Lithium	6-1	1240780	1231039	1245328	1239049	0.59	cps
Magnesium	24-2	14108	14984	15034	14708	3.54	cps
Manganese	55-2	283	303	247	278	10.35	cps

LB Number :	LB90047	Operator :	Jaswal
Lab Sample ID :	CRI	Instrumnet Name :	P8
Client Sample ID :	CRI	Dilution Factor :	1
Date & Time Acquired ::	2017-09-13 12:42:11	DataFile Name :	029SMPL_P8091317-MS

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Molybdenum	94-1	14417	14575	13874	14289	2.57	cps
Molybdenum	95-1	17003	16978	16711	16897	0.96	cps
Molybdenum	96-1	19156	19439	19173	19256	0.83	cps
Molybdenum	97-1	10413	10855	10596	10621	2.09	cps
Molybdenum	98-1	26368	27646	27086	27033	2.37	cps
Neodymium	150-1	0	13	0	4	173.21	cps
Neodymium	150-2	0	0	0	0	0.00	cps
Nickel	60-2	907	923	910	913	0.97	cps
Phosphorus	31-2	0	0	8	3	173.21	cps
Potassium	39-2	13615	12981	13415	13337	2.43	cps
Rhodium	103-1	7698224	7665262	7650841	7671442	0.32	cps
Rhodium	103-2	2158315	2149726	2138482	2148841	0.46	cps
Scandium	45-1	4654560	4606515	4624177	4628417	0.53	cps
Scandium	45-2	43732	44336	44383	44150	0.82	cps
Selenium	77-2	3	0	0	1	173.21	cps
Selenium	78-2	24	17	28	23	24.76	cps
Selenium	82-1	596	613	640	616	3.61	cps
Silicon	28-1	444169	438976	442470	441872	0.60	cps
Silver	109-1	10805	11263	10905	10991	2.19	cps
Silver	107-1	22677	23103	22068	22616	2.30	cps
Sodium	23-2	59517	59006	59241	59255	0.43	cps
Strontium	86-1	3226	3050	2992	3089	3.93	cps
Strontium	88-1	19565	19389	19414	19456	0.49	cps
Sulfur	34-1	371245	374479	373306	373010	0.44	cps
Terbium	159-1	10007412	10187094	9953412	10049306	1.22	cps
Terbium	159-2	2200530	2225906	2217802	2214746	0.59	cps
Thallium	203-1	6485	6402	6635	6508	1.82	cps
Thallium	205-1	15844	15009	15101	15318	2.99	cps
Tin	118-1	27621	29901	29200	28907	4.04	cps
Titanium	47-1	4309	4684	4784	4593	5.45	cps
Uranium	238-1	17204	16453	16728	16795	2.26	cps
Vanadium	51-2	3230	3180	2964	3125	4.54	cps
Yttrium	89-1	8659916	8609372	8699921	8656403	0.52	cps
Yttrium	89-2	295759	298643	295701	296701	0.57	cps
Zinc	66-2	440	380	370	397	9.55	cps
Zirconium	90-1	12756	13657	13140	13185	3.43	cps

LB Number :	LB90047	Operator :	Jaswal
Lab Sample ID :	CRI	Instrumnet Name :	P8
Client Sample ID :	CRI	Dilution Factor :	1
Date & Time Acquired ::	2017-09-13 12:42:11	DataFile Name :	029SMPL_P8091317-MS

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	91-1	3176	2917	2959	3017	4.60	cps

LB Number :	LB90047	Operator :	Jaswal
Lab Sample ID :	PB102280BL	Instrumnet Name :	P8
Client Sample ID :	PBW007	Dilution Factor :	1
Date & Time Acquired ::	2017-09-13 12:45:19	DataFile Name :	030CCBE_P8091317-M8

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	33	17	17	22	43.28	cps
Antimony	121-1	675	800	708	728	8.89	cps
Arsenic	75-2	0	2	6	2	114.63	cps
Barium	135-1	8	50	17	25	88.19	cps
Barium	137-1	75	83	33	64	41.93	cps
Beryllium	9-1	256	206	267	243	13.42	cps
Bismuth	209-1	5268856	5535941	5310278	5371692	2.68	cps
Bismuth	209-2	1653254	1735921	1692925	1694033	2.44	cps
Boron	10-1	1325	1192	1283	1267	5.39	cps
Boron	11-1	5518	5785	5451	5585	3.16	cps
Cadmium	111-1	1018	1211	1141	1124	8.69	cps
Cadmium	106-1	1450	1692	1575	1572	7.69	cps
Cadmium	108-1	25	21	4	17	66.13	cps
Calcium	43-1	1725	1667	1784	1725	3.38	cps
Calcium	44-1	38370	37785	37819	37991	0.86	cps
Chromium	52-2	697	860	773	777	10.52	cps
Cobalt	59-2	47	70	90	69	31.48	cps
Copper	63-2	590	520	570	560	6.44	cps
Dysprosium	156-1	8	17	17	14	34.67	cps
Dysprosium	156-2	0	0	3	1	173.21	cps
Erbium	164-1	33	33	42	36	13.33	cps
Erbium	164-2	0	7	7	4	86.60	cps
Gadolinium	160-1	25	58	25	36	53.30	cps
Gadolinium	160-2	7	7	3	6	34.70	cps
Holmium	165-1	8668333	9022435	8720737	8803835	2.17	cps
Holmium	165-2	2188199	2230060	2223743	2214001	1.02	cps
Indium	115-1	7437785	7884139	7673763	7665229	2.91	cps
Indium	115-2	387720	391918	391050	390229	0.57	cps
Iron	56-2	2795	3006	2895	2899	3.64	cps
Iron	57-2	72	61	78	70	12.06	cps
Lead	206-1	800	933	933	889	8.66	cps
Lead	207-1	739	739	772	750	2.57	cps
Lead	208-1	3239	3311	3545	3365	4.75	cps
Lithium	6-1	1103048	1165652	1117074	1128591	2.91	cps
Magnesium	24-2	292	367	375	344	13.32	cps
Manganese	55-2	57	73	57	62	15.47	cps

LB Number :	LB90047	Operator :	Jaswal
Lab Sample ID :	PB102280BL	Instrumnet Name :	P8
Client Sample ID :	PBW007	Dilution Factor :	1
Date & Time Acquired ::	2017-09-13 12:45:19	DataFile Name :	030CCBE_P8091317-M8

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Molybdenum	94-1	300	392	358	350	13.26	cps
Molybdenum	95-1	142	275	158	192	37.90	cps
Molybdenum	96-1	217	217	350	261	29.48	cps
Molybdenum	97-1	108	125	200	144	33.80	cps
Molybdenum	98-1	233	300	275	269	12.50	cps
Neodymium	150-1	0	13	7	7	99.98	cps
Neodymium	150-2	0	0	0	0	0.00	cps
Nickel	60-2	410	373	417	400	5.83	cps
Phosphorus	31-2	17	8	8	11	43.34	cps
Potassium	39-2	4092	3767	3917	3926	4.14	cps
Rhodium	103-1	6974615	7309360	7099663	7127879	2.37	cps
Rhodium	103-2	2073219	2094953	2076075	2081415	0.57	cps
Scandium	45-1	4159970	4420151	4274767	4284963	3.04	cps
Scandium	45-2	42922	43263	43083	43089	0.40	cps
Selenium	77-2	0	0	0	0	0.00	cps
Selenium	78-2	2	4	2	2	43.30	cps
Selenium	82-1	-33	-85	-52	-57	-46.60	cps
Silicon	28-1	397740	404878	395976	399532	1.18	cps
Silver	109-1	283	358	367	336	13.66	cps
Silver	107-1	650	725	800	725	10.34	cps
Sodium	23-2	19180	19739	19564	19495	1.47	cps
Strontium	86-1	908	925	900	911	1.40	cps
Strontium	88-1	192	192	150	178	13.53	cps
Sulfur	34-1	364938	371666	368545	368383	0.91	cps
Terbium	159-1	9021741	9535036	9219321	9258699	2.80	cps
Terbium	159-2	2100769	2151315	2159866	2137317	1.49	cps
Thallium	203-1	492	458	408	453	9.26	cps
Thallium	205-1	1167	1000	1008	1058	8.87	cps
Tin	118-1	950	1050	1050	1017	5.68	cps
Titanium	47-1	175	142	117	144	20.26	cps
Uranium	238-1	50	75	75	67	21.65	cps
Vanadium	51-2	10	7	13	10	33.30	cps
Yttrium	89-1	7798967	8233361	8114893	8049074	2.79	cps
Yttrium	89-2	283127	290833	290938	288299	1.55	cps
Zinc	66-2	43	90	37	57	51.28	cps
Zirconium	90-1	717	558	675	650	12.63	cps

LB Number :	LB90047	Operator :	Jaswal
Lab Sample ID :	PB102280BL	Instrumnet Name :	P8
Client Sample ID :	PBW007	Dilution Factor :	1
Date & Time Acquired ::	2017-09-13 12:45:19	DataFile Name :	030CCBE_P8091317-MS

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	91-1	100	117	125	114	11.18	cps

LB Number :	LB90047	Operator :	Jaswal
Lab Sample ID :	PB102280BS	Instrumnet Name :	P8
Client Sample ID :	LCS007	Dilution Factor :	1
Date & Time Acquired ::	2017-09-13 12:48:27	DataFile Name :	031LCSE_P8091317-MS

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	258	283	275	272	4.68	cps
Antimony	121-1	36434	36484	36142	36353	0.51	cps
Arsenic	75-2	270	224	215	236	12.59	cps
Barium	135-1	35473	36318	35758	35850	1.20	cps
Barium	137-1	62783	63009	62239	62677	0.63	cps
Beryllium	9-1	2789	2661	2795	2748	2.74	cps
Bismuth	209-1	5724826	5884914	5748237	5785992	1.49	cps
Bismuth	209-2	1821206	1808106	1844761	1824691	1.02	cps
Boron	10-1	7777	8069	7936	7928	1.84	cps
Boron	11-1	35294	36522	37232	36350	2.70	cps
Cadmium	111-1	5429	5228	5276	5311	1.98	cps
Cadmium	106-1	2267	2200	2234	2234	1.49	cps
Cadmium	108-1	208	275	317	267	20.49	cps
Calcium	43-1	19372	20215	19890	19826	2.14	cps
Calcium	44-1	333801	341888	336566	337419	1.22	cps
Chromium	52-2	4337	4604	4628	4523	3.56	cps
Cobalt	59-2	4071	3987	4021	4026	1.04	cps
Copper	63-2	7822	7816	7916	7851	0.71	cps
Dysprosium	156-1	0	0	17	6	173.21	cps
Dysprosium	156-2	0	0	0	0	0.00	cps
Erbium	164-1	92	75	67	78	16.37	cps
Erbium	164-2	13	17	23	18	28.64	cps
Gadolinium	160-1	75	92	117	94	22.21	cps
Gadolinium	160-2	7	10	7	8	24.71	cps
Holmium	165-1	9639175	9741975	9619622	9666924	0.68	cps
Holmium	165-2	2335571	2322346	2337571	2331829	0.35	cps
Indium	115-1	8354148	8528103	8361131	8414461	1.17	cps
Indium	115-2	406208	406064	413387	408553	1.02	cps
Iron	56-2	244031	245135	246761	245309	0.56	cps
Iron	57-2	5901	6057	6335	6098	3.60	cps
Lead	206-1	12340	12234	12173	12249	0.69	cps
Lead	207-1	11244	10905	11361	11170	2.12	cps
Lead	208-1	50574	50486	50775	50611	0.29	cps
Lithium	6-1	1224872	1258374	1247407	1243551	1.37	cps
Magnesium	24-2	32897	32973	33407	33092	0.83	cps
Manganese	55-2	610	687	727	674	8.79	cps

LB Number :	LB90047	Operator :	Jaswal
Lab Sample ID :	PB102280BS	Instrumnet Name :	P8
Client Sample ID :	LCS007	Dilution Factor :	1
Date & Time Acquired ::	2017-09-13 12:48:27	DataFile Name :	031LCSE_P8091317-MS

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Molybdenum	94-1	30669	31220	31354	31081	1.17	cps
Molybdenum	95-1	36859	37637	37419	37305	1.08	cps
Molybdenum	96-1	40570	40604	40486	40553	0.15	cps
Molybdenum	97-1	23062	23605	22811	23159	1.75	cps
Molybdenum	98-1	58251	59297	58385	58645	0.97	cps
Neodymium	150-1	7	7	7	7	0.00	cps
Neodymium	150-2	0	0	0	0	0.00	cps
Nickel	60-2	1560	1510	1673	1581	5.29	cps
Phosphorus	31-2	0	0	8	3	173.21	cps
Potassium	39-2	24172	24472	23779	24141	1.44	cps
Rhodium	103-1	7775506	7918856	7747769	7814044	1.18	cps
Rhodium	103-2	2189078	2176837	2196527	2187480	0.45	cps
Scandium	45-1	4654059	4738091	4738040	4710063	1.03	cps
Scandium	45-2	45681	45504	45584	45589	0.19	cps
Selenium	77-2	3	20	17	13	66.16	cps
Selenium	78-2	35	33	41	36	10.59	cps
Selenium	82-1	1263	1332	1190	1262	5.60	cps
Silicon	28-1	489314	494530	485285	489710	0.95	cps
Silver	109-1	18680	19415	18313	18803	2.98	cps
Silver	107-1	38479	38946	38730	38718	0.60	cps
Sodium	23-2	102024	100915	102073	101671	0.64	cps
Strontium	86-1	6160	5993	5902	6018	2.18	cps
Strontium	88-1	43018	44573	43780	43791	1.78	cps
Sulfur	34-1	380169	378612	379038	379273	0.21	cps
Terbium	159-1	10014619	10231714	10159018	10135117	1.09	cps
Terbium	159-2	2250379	2232446	2256648	2246491	0.56	cps
Thallium	203-1	12332	13116	12415	12621	3.41	cps
Thallium	205-1	29460	30838	30062	30120	2.29	cps
Tin	118-1	62880	61542	61124	61849	1.48	cps
Titanium	47-1	9470	9145	10012	9543	4.59	cps
Uranium	238-1	35092	36463	36446	36000	2.19	cps
Vanadium	51-2	6915	6935	6898	6916	0.27	cps
Yttrium	89-1	8728798	8906363	8761513	8798891	1.07	cps
Yttrium	89-2	301678	300829	305657	302722	0.85	cps
Zinc	66-2	560	717	733	670	14.27	cps
Zirconium	90-1	26343	27896	26819	27019	2.95	cps

LB Number :	LB90047	Operator :	Jaswal
Lab Sample ID :	PB102280BS	Instrumnet Name :	P8
Client Sample ID :	LCS007	Dilution Factor :	1
Date & Time Acquired ::	2017-09-13 12:48:27	DataFile Name :	031LCSE_P8091317-MS

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	91-1	6210	6160	5902	6091	2.72	cps

LB Number : LB90047 Operator : Jaswal
 Lab Sample ID : PB102281BL Instrumnet Name : P8
 Client Sample ID : PBW007 Dilution Factor : 1
 Date & Time Acquired :: 2017-09-13 12:51:35 DataFile Name : 032CCBE_P8091317-M8

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	8	0	25	11	114.58	cps
Antimony	121-1	483	567	375	475	20.23	cps
Arsenic	75-2	4	4	6	4	24.86	cps
Barium	135-1	50	83	67	67	25.00	cps
Barium	137-1	58	50	58	56	8.67	cps
Beryllium	9-1	233	250	206	230	9.78	cps
Bismuth	209-1	5962277	5603637	5381181	5649032	5.19	cps
Bismuth	209-2	1667093	1730742	1764914	1720917	2.88	cps
Boron	10-1	1542	1158	1183	1295	16.57	cps
Boron	11-1	5093	5568	5351	5337	4.46	cps
Cadmium	111-1	1370	1199	1158	1242	9.05	cps
Cadmium	106-1	1942	1692	1650	1761	8.96	cps
Cadmium	108-1	21	8	8	12	57.75	cps
Calcium	43-1	1709	1834	1825	1789	3.91	cps
Calcium	44-1	37702	38119	37351	37724	1.02	cps
Chromium	52-2	693	743	673	703	5.13	cps
Cobalt	59-2	70	73	80	74	6.84	cps
Copper	63-2	543	560	600	568	5.13	cps
Dysprosium	156-1	17	17	25	19	24.73	cps
Dysprosium	156-2	0	10	3	4	114.60	cps
Erbium	164-1	33	50	25	36	35.25	cps
Erbium	164-2	0	10	3	4	114.60	cps
Gadolinium	160-1	58	50	25	44	39.04	cps
Gadolinium	160-2	0	7	3	3	100.05	cps
Holmium	165-1	9759797	9160414	8843961	9254724	5.03	cps
Holmium	165-2	2166603	2227593	2276358	2223518	2.47	cps
Indium	115-1	8534801	7986481	7619962	8047081	5.72	cps
Indium	115-2	384253	394291	399542	392695	1.98	cps
Iron	56-2	2734	2778	2962	2824	4.28	cps
Iron	57-2	67	67	67	67	0.00	cps
Lead	206-1	1028	989	1006	1007	1.94	cps
Lead	207-1	739	917	783	813	11.38	cps
Lead	208-1	4000	3650	3695	3782	5.04	cps
Lithium	6-1	1239954	1205105	1127643	1190901	4.83	cps
Magnesium	24-2	217	325	342	294	23.05	cps
Manganese	55-2	80	93	80	84	9.11	cps

LB Number :	LB90047	Operator :	Jaswal
Lab Sample ID :	PB102281BL	Instrumnet Name :	P8
Client Sample ID :	PBW007	Dilution Factor :	1
Date & Time Acquired ::	2017-09-13 12:51:35	DataFile Name :	032CCBE_P8091317-M8

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Molybdenum	94-1	308	417	242	322	27.41	cps
Molybdenum	95-1	125	142	100	122	17.16	cps
Molybdenum	96-1	150	175	225	183	20.83	cps
Molybdenum	97-1	233	150	100	161	41.81	cps
Molybdenum	98-1	200	200	158	186	12.93	cps
Neodymium	150-1	7	7	13	9	43.25	cps
Neodymium	150-2	0	0	0	0	0.00	cps
Nickel	60-2	373	330	427	377	12.85	cps
Phosphorus	31-2	8	8	0	6	86.60	cps
Potassium	39-2	3392	3959	3742	3698	7.73	cps
Rhodium	103-1	7909928	7434481	7088200	7477536	5.52	cps
Rhodium	103-2	2056409	2101533	2138762	2098901	1.96	cps
Scandium	45-1	4812384	4475295	4255203	4514294	6.22	cps
Scandium	45-2	42183	42962	44163	43103	2.31	cps
Selenium	77-2	0	0	0	0	0.00	cps
Selenium	78-2	2	4	2	2	43.30	cps
Selenium	82-1	-126	-62	16	-58	-123.24	cps
Silicon	28-1	407251	409177	401456	405961	0.99	cps
Silver	109-1	392	467	425	428	8.78	cps
Silver	107-1	825	967	842	878	8.82	cps
Sodium	23-2	18329	19122	19097	18849	2.39	cps
Strontium	86-1	958	792	758	836	12.82	cps
Strontium	88-1	158	233	150	181	25.42	cps
Sulfur	34-1	385645	383486	384668	384600	0.28	cps
Terbium	159-1	10297923	9716246	9163376	9725849	5.83	cps
Terbium	159-2	2104973	2154733	2181980	2147228	1.82	cps
Thallium	203-1	225	400	367	331	28.11	cps
Thallium	205-1	958	750	875	861	12.18	cps
Tin	118-1	1033	1017	975	1008	2.98	cps
Titanium	47-1	192	108	92	131	41.04	cps
Uranium	238-1	67	42	92	67	37.50	cps
Vanadium	51-2	10	17	17	14	26.66	cps
Yttrium	89-1	8904200	8361340	8055082	8440207	5.09	cps
Yttrium	89-2	283514	290165	296748	290142	2.28	cps
Zinc	66-2	83	37	47	56	44.22	cps
Zirconium	90-1	717	767	608	697	11.61	cps

LB Number :	LB90047	Operator :	Jaswal
Lab Sample ID :	PB102281BL	Instrumnet Name :	P8
Client Sample ID :	PBW007	Dilution Factor :	1
Date & Time Acquired ::	2017-09-13 12:51:35	DataFile Name :	032CCBE_P8091317-MS

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	91-1	150	167	100	139	24.98	cps

LB Number :	LB90047	Operator :	Jaswal
Lab Sample ID :	PB102281BS	Instrumnet Name :	P8
Client Sample ID :	LCS007	Dilution Factor :	1
Date & Time Acquired ::	2017-09-13 12:54:43	DataFile Name :	033LCSE_P8091317-MS

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	242	292	317	283	13.48	cps
Antimony	121-1	35323	33861	35449	34877	2.53	cps
Arsenic	75-2	248	254	283	262	7.23	cps
Barium	135-1	35423	35390	37136	35983	2.78	cps
Barium	137-1	61451	60606	61410	61156	0.78	cps
Beryllium	9-1	2789	2656	2750	2732	2.51	cps
Bismuth	209-1	5744099	5755898	5838058	5779352	0.89	cps
Bismuth	209-2	1837889	1803568	1810338	1817265	1.00	cps
Boron	10-1	7861	8094	7769	7908	2.12	cps
Boron	11-1	34367	34768	35729	34955	2.00	cps
Cadmium	111-1	5089	4949	5296	5111	3.41	cps
Cadmium	106-1	2317	2017	2334	2223	8.02	cps
Cadmium	108-1	250	317	358	308	17.72	cps
Calcium	43-1	18571	18613	20090	19091	4.53	cps
Calcium	44-1	325646	329871	334849	330122	1.40	cps
Chromium	52-2	4411	4381	4507	4433	1.49	cps
Cobalt	59-2	3904	4001	3807	3904	2.48	cps
Copper	63-2	7522	7656	7982	7720	3.07	cps
Dysprosium	156-1	17	25	0	14	91.65	cps
Dysprosium	156-2	3	0	3	2	86.60	cps
Erbium	164-1	75	92	67	78	16.37	cps
Erbium	164-2	27	10	10	16	61.87	cps
Gadolinium	160-1	92	50	58	67	33.07	cps
Gadolinium	160-2	7	13	20	13	49.99	cps
Holmium	165-1	9569953	9708043	9696982	9658326	0.79	cps
Holmium	165-2	2327557	2309915	2317559	2318344	0.38	cps
Indium	115-1	8213839	8335584	8337580	8295668	0.85	cps
Indium	115-2	412666	405275	406866	408269	0.95	cps
Iron	56-2	241800	237727	240619	240048	0.87	cps
Iron	57-2	6074	5851	6263	6063	3.40	cps
Lead	206-1	12167	11828	12345	12114	2.17	cps
Lead	207-1	11027	10938	11394	11120	2.17	cps
Lead	208-1	49712	48560	49583	49285	1.28	cps
Lithium	6-1	1222624	1254802	1252333	1243253	1.44	cps
Magnesium	24-2	33507	32772	32965	33081	1.15	cps
Manganese	55-2	687	627	573	629	9.02	cps

LB Number :	LB90047	Operator :	Jaswal
Lab Sample ID :	PB102281BS	Instrumnet Name :	P8
Client Sample ID :	LCS007	Dilution Factor :	1
Date & Time Acquired ::	2017-09-13 12:54:43	DataFile Name :	033LCSE_P8091317-MS

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Molybdenum	94-1	29842	30301	30510	30218	1.13	cps
Molybdenum	95-1	35890	34846	36701	35812	2.60	cps
Molybdenum	96-1	39726	39450	40253	39809	1.02	cps
Molybdenum	97-1	23062	21793	23071	22642	3.25	cps
Molybdenum	98-1	57021	56652	57339	57004	0.60	cps
Neodymium	150-1	13	7	7	9	43.25	cps
Neodymium	150-2	3	0	0	1	173.21	cps
Nickel	60-2	1533	1477	1563	1525	2.89	cps
Phosphorus	31-2	8	17	8	11	43.34	cps
Potassium	39-2	23546	23237	22444	23075	2.46	cps
Rhodium	103-1	7712356	7819186	7890768	7807437	1.15	cps
Rhodium	103-2	2222299	2194342	2185800	2200814	0.87	cps
Scandium	45-1	4652760	4719427	4744188	4705458	1.00	cps
Scandium	45-2	45163	45229	45303	45232	0.15	cps
Selenium	77-2	20	7	13	13	49.99	cps
Selenium	78-2	44	33	35	38	15.80	cps
Selenium	82-1	1340	1195	1172	1235	7.39	cps
Silicon	28-1	491395	478602	490498	486832	1.47	cps
Silver	109-1	18589	18188	19415	18731	3.34	cps
Silver	107-1	38754	37745	39180	38560	1.91	cps
Sodium	23-2	100461	99933	98615	99670	0.95	cps
Strontium	86-1	5868	5676	6085	5877	3.48	cps
Strontium	88-1	42525	43061	43295	42960	0.92	cps
Sulfur	34-1	391534	390916	386673	389708	0.68	cps
Terbium	159-1	10066982	10192172	10195317	10151490	0.72	cps
Terbium	159-2	2275290	2249477	2225619	2250129	1.10	cps
Thallium	203-1	12048	12231	12006	12095	0.99	cps
Thallium	205-1	28608	29060	28407	28692	1.16	cps
Tin	118-1	58278	60095	59658	59344	1.60	cps
Titanium	47-1	9570	9745	9921	9745	1.80	cps
Uranium	238-1	35819	35176	34499	35165	1.88	cps
Vanadium	51-2	6692	6668	6415	6592	2.33	cps
Yttrium	89-1	8730178	8788629	8885069	8801292	0.89	cps
Yttrium	89-2	303136	302758	301885	302593	0.21	cps
Zinc	66-2	673	760	723	719	6.05	cps
Zirconium	90-1	25291	26059	26485	25945	2.33	cps

LB Number :	LB90047	Operator :	Jaswal
Lab Sample ID :	PB102281BS	Instrumnet Name :	P8
Client Sample ID :	LCS007	Dilution Factor :	1
Date & Time Acquired ::	2017-09-13 12:54:43	DataFile Name :	033LCSE_P8091317-MS

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	91-1	5810	5501	5960	5757	4.06	cps

LB Number :	LB90047	Operator :	Jaswal
Lab Sample ID :	I5192-05	Instrumnet Name :	P8
Client Sample ID :	MBDD16	Dilution Factor :	1
Date & Time Acquired ::	2017-09-13 12:57:51	DataFile Name :	034SMPL_P8091317-MS

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	1709	1909	2067	1895	9.48	cps
Antimony	121-1	750	683	783	739	6.89	cps
Arsenic	75-2	117	106	67	96	27.26	cps
Barium	135-1	188628	188034	187324	187995	0.35	cps
Barium	137-1	324916	322943	322570	323477	0.39	cps
Beryllium	9-1	244	344	217	269	25.03	cps
Bismuth	209-1	6341969	6262390	6384180	6329513	0.98	cps
Bismuth	209-2	1960646	1977060	1951336	1963014	0.66	cps
Boron	10-1	6844	6518	6635	6666	2.47	cps
Boron	11-1	30041	30658	31510	30736	2.40	cps
Cadmium	111-1	1621	1584	1525	1576	3.07	cps
Cadmium	106-1	2050	1925	1800	1925	6.49	cps
Cadmium	108-1	21	8	21	17	43.31	cps
Calcium	43-1	520928	517984	512350	517087	0.84	cps
Calcium	44-1	8520490	8598480	8500575	8539848	0.61	cps
Chromium	52-2	2534	2364	2384	2427	3.83	cps
Cobalt	59-2	1080	1117	1157	1118	3.43	cps
Copper	63-2	977	907	1037	973	6.68	cps
Dysprosium	156-1	292	342	283	306	10.33	cps
Dysprosium	156-2	73	83	87	81	8.56	cps
Erbium	164-1	242	258	267	256	4.98	cps
Erbium	164-2	67	60	77	68	12.38	cps
Gadolinium	160-1	300	350	267	306	13.73	cps
Gadolinium	160-2	93	113	113	107	10.82	cps
Holmium	165-1	10598547	10510976	10605870	10571798	0.50	cps
Holmium	165-2	2513043	2490880	2497258	2500394	0.46	cps
Indium	115-1	9144697	9096986	9198463	9146715	0.56	cps
Indium	115-2	440203	437675	433639	437172	0.76	cps
Iron	56-2	281962	285057	281086	282702	0.74	cps
Iron	57-2	7102	7827	6924	7284	6.56	cps
Lead	206-1	2111	2261	2373	2248	5.83	cps
Lead	207-1	1706	1778	1784	1756	2.47	cps
Lead	208-1	8557	8574	8613	8581	0.33	cps
Lithium	6-1	1364666	1343734	1355713	1354704	0.78	cps
Magnesium	24-2	318022	317243	314313	316526	0.62	cps
Manganese	55-2	22088	21767	21530	21795	1.28	cps

LB Number :	LB90047	Operator :	Jaswal
Lab Sample ID :	I5192-05	Instrumnet Name :	P8
Client Sample ID :	MBDD16	Dilution Factor :	1
Date & Time Acquired ::	2017-09-13 12:57:51	DataFile Name :	034SMPL_P8091317-MS

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Molybdenum	94-1	3376	3451	3267	3365	2.74	cps
Molybdenum	95-1	4151	4401	3967	4173	5.21	cps
Molybdenum	96-1	4576	4768	4759	4701	2.31	cps
Molybdenum	97-1	2892	2542	2667	2700	6.57	cps
Molybdenum	98-1	6777	6602	6919	6766	2.35	cps
Neodymium	150-1	380	413	400	398	4.22	cps
Neodymium	150-2	57	73	60	63	13.92	cps
Nickel	60-2	1157	1197	1243	1199	3.62	cps
Phosphorus	31-2	8	8	25	14	69.31	cps
Potassium	39-2	126177	124817	126984	125993	0.87	cps
Rhodium	103-1	8420737	8323942	8462988	8402556	0.85	cps
Rhodium	103-2	2351510	2316946	2328069	2332175	0.76	cps
Scandium	45-1	5181986	5036492	5107227	5108569	1.42	cps
Scandium	45-2	48293	47484	48567	48114	1.17	cps
Selenium	77-2	0	0	0	0	0.00	cps
Selenium	78-2	11	0	11	7	86.60	cps
Selenium	82-1	-89	-69	86	-24	-402.85	cps
Silicon	28-1	24500486	24138291	24223938	24287572	0.78	cps
Silver	109-1	367	358	433	386	10.65	cps
Silver	107-1	950	900	800	883	8.65	cps
Sodium	23-2	3703725	3703033	3657483	3688080	0.72	cps
Strontium	86-1	732189	738792	729534	733505	0.65	cps
Strontium	88-1	6447468	6366413	6420863	6411581	0.64	cps
Sulfur	34-1	669198	658053	656349	661200	1.06	cps
Terbium	159-1	11178018	10953072	11224800	11118630	1.31	cps
Terbium	159-2	2415054	2447005	2414278	2425446	0.77	cps
Thallium	203-1	725	700	633	686	6.91	cps
Thallium	205-1	1684	1542	1625	1617	4.40	cps
Tin	118-1	750	808	1184	914	25.74	cps
Titanium	47-1	1217	1192	1417	1275	9.68	cps
Uranium	238-1	8153	8111	8220	8161	0.67	cps
Vanadium	51-2	2810	2920	2750	2827	3.05	cps
Yttrium	89-1	9655078	9597009	9596069	9616052	0.35	cps
Yttrium	89-2	322444	324594	326250	324429	0.59	cps
Zinc	66-2	7799	7682	7806	7762	0.89	cps
Zirconium	90-1	2109	2200	1967	2092	5.62	cps

LB Number :	LB90047	Operator :	Jaswal
Lab Sample ID :	I5192-05	Instrumnet Name :	P8
Client Sample ID :	MBDD16	Dilution Factor :	1
Date & Time Acquired ::	2017-09-13 12:57:51	DataFile Name :	034SMPL_P8091317-MS

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	91-1	450	475	517	481	7.01	cps

LB Number : LB90047 Operator : Jaswal
 Lab Sample ID : PB102290BL Instrumnet Name : P8
 Client Sample ID : PBW007 Dilution Factor : 1
 Date & Time Acquired :: 2017-09-13 13:01:55 DataFile Name : 035CCBE_P8091317-M8

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	17	17	0	11	86.60	cps
Antimony	121-1	208	208	225	214	4.50	cps
Arsenic	75-2	4	4	2	3	34.64	cps
Barium	135-1	42	92	75	69	36.66	cps
Barium	137-1	58	67	58	61	7.87	cps
Beryllium	9-1	172	133	194	167	18.56	cps
Bismuth	209-1	5454264	5783752	5739266	5659094	3.16	cps
Bismuth	209-2	1609307	1734145	1607776	1650409	4.39	cps
Boron	10-1	892	708	675	758	15.39	cps
Boron	11-1	3967	3876	3492	3778	6.67	cps
Cadmium	111-1	1119	1210	1002	1110	9.37	cps
Cadmium	106-1	1575	1717	1417	1570	9.56	cps
Cadmium	108-1	13	13	21	15	31.48	cps
Calcium	43-1	1917	1558	1584	1686	11.87	cps
Calcium	44-1	38228	38052	39047	38443	1.38	cps
Chromium	52-2	677	683	667	676	1.24	cps
Cobalt	59-2	60	53	67	60	11.12	cps
Copper	63-2	523	530	567	540	4.32	cps
Dysprosium	156-1	17	8	8	11	43.34	cps
Dysprosium	156-2	0	0	0	0	0.00	cps
Erbium	164-1	25	50	17	31	56.77	cps
Erbium	164-2	3	13	3	7	86.65	cps
Gadolinium	160-1	100	25	42	56	70.89	cps
Gadolinium	160-2	20	7	13	13	49.99	cps
Holmium	165-1	8934235	9582822	9298162	9271740	3.51	cps
Holmium	165-2	2106779	2170885	2124367	2134010	1.55	cps
Indium	115-1	7778687	8272890	8109858	8053812	3.13	cps
Indium	115-2	370959	383350	370531	374947	1.94	cps
Iron	56-2	2550	2495	2417	2487	2.69	cps
Iron	57-2	83	89	72	81	10.42	cps
Lead	206-1	1000	672	739	804	21.56	cps
Lead	207-1	606	561	678	615	9.58	cps
Lead	208-1	3189	2828	2922	2980	6.29	cps
Lithium	6-1	1149025	1214964	1173393	1179127	2.83	cps
Magnesium	24-2	283	400	367	350	17.17	cps
Manganese	55-2	90	80	73	81	10.34	cps

LB Number :	LB90047	Operator :	Jaswal
Lab Sample ID :	PB102290BL	Instrumnet Name :	P8
Client Sample ID :	PBW007	Dilution Factor :	1
Date & Time Acquired ::	2017-09-13 13:01:55	DataFile Name :	035CCBE_P8091317-M8

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Molybdenum	94-1	233	258	217	236	8.88	cps
Molybdenum	95-1	75	125	83	94	28.37	cps
Molybdenum	96-1	142	142	208	164	23.48	cps
Molybdenum	97-1	67	117	117	100	28.87	cps
Molybdenum	98-1	125	125	117	122	3.94	cps
Neodymium	150-1	20	13	13	16	24.76	cps
Neodymium	150-2	3	0	0	1	173.21	cps
Nickel	60-2	347	337	363	349	3.86	cps
Phosphorus	31-2	17	8	8	11	43.34	cps
Potassium	39-2	4026	3517	3267	3603	10.73	cps
Rhodium	103-1	7152819	7691137	7568210	7470722	3.78	cps
Rhodium	103-2	1990673	2069377	2003300	2021117	2.09	cps
Scandium	45-1	4329096	4684391	4529683	4514390	3.95	cps
Scandium	45-2	40839	42030	40565	41145	1.89	cps
Selenium	77-2	0	0	0	0	0.00	cps
Selenium	78-2	4	2	6	4	50.09	cps
Selenium	82-1	-14	78	-61	1	5981.50	cps
Silicon	28-1	400241	400859	399762	400287	0.14	cps
Silver	109-1	200	233	417	283	41.18	cps
Silver	107-1	383	425	683	497	32.69	cps
Sodium	23-2	17461	17528	18521	17837	3.33	cps
Strontium	86-1	875	917	942	911	3.70	cps
Strontium	88-1	117	200	200	172	27.94	cps
Sulfur	34-1	362005	365278	362867	363383	0.47	cps
Terbium	159-1	9377380	10019075	9863735	9753397	3.43	cps
Terbium	159-2	2026016	2122187	2066024	2071409	2.33	cps
Thallium	203-1	350	358	500	403	20.93	cps
Thallium	205-1	817	842	775	811	4.15	cps
Tin	118-1	725	825	733	761	7.29	cps
Titanium	47-1	142	200	125	156	25.32	cps
Uranium	238-1	17	42	58	39	53.93	cps
Vanadium	51-2	17	17	10	14	26.66	cps
Yttrium	89-1	8165692	8714404	8538317	8472804	3.31	cps
Yttrium	89-2	273172	283401	273827	276800	2.07	cps
Zinc	66-2	43	47	27	39	27.55	cps
Zirconium	90-1	600	608	550	586	5.38	cps

LB Number :	LB90047	Operator :	Jaswal
Lab Sample ID :	PB102290BL	Instrumnet Name :	P8
Client Sample ID :	PBW007	Dilution Factor :	1
Date & Time Acquired ::	2017-09-13 13:01:55	DataFile Name :	035CCBE_P8091317-MS

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	91-1	142	92	150	128	24.69	cps

LB Number :	LB90047	Operator :	Jaswal
Lab Sample ID :	I5193-05	Instrumnet Name :	P8
Client Sample ID :	MBDD15	Dilution Factor :	1
Date & Time Acquired ::	2017-09-13 13:05:04	DataFile Name :	036SMPL_P8091317-MS

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	433	475	492	467	6.44	cps
Antimony	121-1	633	742	675	683	8.00	cps
Arsenic	75-2	83	78	56	72	20.35	cps
Barium	135-1	186625	188287	185122	186678	0.85	cps
Barium	137-1	326957	324102	325681	325580	0.44	cps
Beryllium	9-1	167	222	139	176	24.12	cps
Bismuth	209-1	6423681	6416254	6417539	6419158	0.06	cps
Bismuth	209-2	2032355	1995602	2006841	2011599	0.94	cps
Boron	10-1	6035	6377	6268	6227	2.81	cps
Boron	11-1	30066	29840	29406	29770	1.13	cps
Cadmium	111-1	1492	1573	1579	1548	3.13	cps
Cadmium	106-1	1792	1892	1917	1867	3.54	cps
Cadmium	108-1	71	50	42	54	27.74	cps
Calcium	43-1	516755	514152	509877	513595	0.68	cps
Calcium	44-1	8502728	8498607	8422322	8474552	0.53	cps
Chromium	52-2	2197	2160	2090	2149	2.52	cps
Cobalt	59-2	1067	963	1110	1047	7.20	cps
Copper	63-2	11782	11692	11608	11694	0.74	cps
Dysprosium	156-1	192	192	225	203	9.49	cps
Dysprosium	156-2	47	50	47	48	4.02	cps
Erbium	164-1	242	200	267	236	14.26	cps
Erbium	164-2	87	47	43	59	40.95	cps
Gadolinium	160-1	125	300	150	192	49.38	cps
Gadolinium	160-2	47	57	57	53	10.82	cps
Holmium	165-1	10698735	10717967	10699275	10705326	0.10	cps
Holmium	165-2	2563814	2535295	2539403	2546171	0.61	cps
Indium	115-1	9153735	9131750	9095109	9126865	0.32	cps
Indium	115-2	440966	441300	442243	441503	0.15	cps
Iron	56-2	265225	263670	265075	264657	0.32	cps
Iron	57-2	7024	6780	6524	6776	3.69	cps
Lead	206-1	8498	8503	8286	8429	1.47	cps
Lead	207-1	7602	7030	6913	7182	5.14	cps
Lead	208-1	33857	32523	32395	32925	2.46	cps
Lithium	6-1	1343209	1323372	1358098	1341560	1.30	cps
Magnesium	24-2	320234	317269	319861	319121	0.51	cps
Manganese	55-2	21059	21644	21176	21293	1.45	cps

LB Number :	LB90047	Operator :	Jaswal
Lab Sample ID :	I5193-05	Instrumnet Name :	P8
Client Sample ID :	MBDD15	Dilution Factor :	1
Date & Time Acquired ::	2017-09-13 13:05:04	DataFile Name :	036SMPL_P8091317-MS

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Molybdenum	94-1	2767	2484	2567	2606	5.59	cps
Molybdenum	95-1	4409	4326	3876	4204	6.83	cps
Molybdenum	96-1	4601	4443	4468	4504	1.89	cps
Molybdenum	97-1	2717	2650	2750	2706	1.88	cps
Molybdenum	98-1	6377	6810	6977	6721	4.61	cps
Neodymium	150-1	233	247	287	256	10.86	cps
Neodymium	150-2	47	43	43	44	4.34	cps
Nickel	60-2	8993	9260	9330	9194	1.93	cps
Phosphorus	31-2	8	8	17	11	43.34	cps
Potassium	39-2	125109	127759	128568	127145	1.42	cps
Rhodium	103-1	8501712	8444500	8340330	8428847	0.97	cps
Rhodium	103-2	2355588	2384387	2338796	2359590	0.98	cps
Scandium	45-1	5142229	5127301	5110768	5126766	0.31	cps
Scandium	45-2	48872	48885	49400	49052	0.61	cps
Selenium	77-2	0	0	7	2	173.21	cps
Selenium	78-2	6	4	4	4	24.86	cps
Selenium	82-1	-12	103	-21	23	295.00	cps
Silicon	28-1	23797263	23717470	23713516	23742749	0.20	cps
Silver	109-1	217	200	175	197	10.63	cps
Silver	107-1	442	408	467	439	6.67	cps
Sodium	23-2	3762287	3720616	3722592	3735165	0.63	cps
Strontium	86-1	734869	735279	736859	735669	0.14	cps
Strontium	88-1	6431659	6371210	6356908	6386592	0.62	cps
Sulfur	34-1	651029	651369	645492	649297	0.51	cps
Terbium	159-1	11194595	11201289	11111667	11169183	0.45	cps
Terbium	159-2	2452537	2471749	2419349	2447878	1.08	cps
Thallium	203-1	583	675	683	647	8.57	cps
Thallium	205-1	1717	1625	1550	1631	5.12	cps
Tin	118-1	608	575	600	594	2.92	cps
Titanium	47-1	317	292	350	319	9.16	cps
Uranium	238-1	7027	6494	6535	6685	4.44	cps
Vanadium	51-2	2820	2694	2547	2687	5.09	cps
Yttrium	89-1	9638921	9682302	9634254	9651826	0.27	cps
Yttrium	89-2	330265	328460	327970	328898	0.37	cps
Zinc	66-2	29949	30136	30019	30035	0.31	cps
Zirconium	90-1	925	858	875	886	3.92	cps

LB Number :	LB90047	Operator :	Jaswal
Lab Sample ID :	I5193-05	Instrumnet Name :	P8
Client Sample ID :	MBDD15	Dilution Factor :	1
Date & Time Acquired ::	2017-09-13 13:05:04	DataFile Name :	036SMPL_P8091317-MS

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	91-1	175	125	183	161	19.58	cps

LB Number :	LB90047	Operator :	Jaswal
Lab Sample ID :	CCV016	Instrumnet Name :	P8
Client Sample ID :	CCV016	Dilution Factor :	1
Date & Time Acquired ::	2017-09-13 13:08:10	DataFile Name :	037CCV_P8091317-MS.I

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	354568	348271	349675	350838	0.94	cps
Antimony	121-1	4631458	4668714	4639162	4646445	0.42	cps
Arsenic	75-2	57733	57515	57346	57531	0.34	cps
Barium	135-1	4758922	4839610	4763974	4787502	0.94	cps
Barium	137-1	8235963	8372420	8258304	8288896	0.88	cps
Beryllium	9-1	641263	641509	636428	639733	0.45	cps
Bismuth	209-1	5746480	5708606	5828428	5761171	1.06	cps
Bismuth	209-2	1681914	1720132	1679980	1694009	1.34	cps
Boron	10-1	74292	76219	79260	76590	3.27	cps
Boron	11-1	346631	352205	355043	351293	1.22	cps
Cadmium	111-1	967570	969290	965338	967399	0.20	cps
Cadmium	106-1	103109	103209	100372	102230	1.57	cps
Cadmium	108-1	69063	69047	68845	68985	0.18	cps
Calcium	43-1	4632407	4658597	4630997	4640667	0.33	cps
Calcium	44-1	75810279	76715825	76412250	76312784	0.60	cps
Chromium	52-2	465404	465409	461769	464194	0.45	cps
Cobalt	59-2	959125	948484	947013	951541	0.69	cps
Copper	63-2	1597487	1602557	1603591	1601212	0.20	cps
Dysprosium	156-1	100	133	133	122	15.74	cps
Dysprosium	156-2	13	7	17	12	41.65	cps
Erbium	164-1	92	42	33	56	56.79	cps
Erbium	164-2	3	7	17	9	78.08	cps
Gadolinium	160-1	133	150	133	139	6.93	cps
Gadolinium	160-2	30	30	23	28	13.86	cps
Holmium	165-1	9935679	9881091	10102231	9973000	1.16	cps
Holmium	165-2	2312227	2305043	2278254	2298508	0.78	cps
Indium	115-1	8124249	8171411	8288150	8194603	1.03	cps
Indium	115-2	389014	384431	385291	386245	0.63	cps
Iron	56-2	75565927	74625977	74627091	74939665	0.72	cps
Iron	57-2	1917912	1924716	1929345	1923991	0.30	cps
Lead	206-1	2583669	2591223	2547103	2573998	0.92	cps
Lead	207-1	2339527	2358180	2357970	2351892	0.46	cps
Lead	208-1	10500059	10503044	10479209	10494104	0.12	cps
Lithium	6-1	1217896	1221539	1248484	1229306	1.36	cps
Magnesium	24-2	8468492	8374542	8408091	8417042	0.57	cps
Manganese	55-2	261998	259905	260946	260950	0.40	cps

LB Number :	LB90047	Operator :	Jaswal
Lab Sample ID :	CCV016	Instrumnet Name :	P8
Client Sample ID :	CCV016	Dilution Factor :	1
Date & Time Acquired ::	2017-09-13 13:08:10	DataFile Name :	037CCV_P8091317-MS.I

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Molybdenum	94-1	3627348	3628669	3681174	3645730	0.84	cps
Molybdenum	95-1	1950023	1956817	1956118	1954319	0.19	cps
Molybdenum	96-1	2549757	2572412	2548410	2556860	0.53	cps
Molybdenum	97-1	1182430	1192853	1191107	1188797	0.47	cps
Molybdenum	98-1	3157725	3166333	3127251	3150436	0.65	cps
Neodymium	150-1	160	153	147	153	4.35	cps
Neodymium	150-2	7	13	3	8	65.47	cps
Nickel	60-2	273588	272835	272102	272842	0.27	cps
Phosphorus	31-2	5084	5776	5151	5337	7.15	cps
Potassium	39-2	2576306	2510233	2511647	2532729	1.49	cps
Rhodium	103-1	7345612	7445685	7524572	7438623	1.21	cps
Rhodium	103-2	2061504	1996530	2044014	2034016	1.65	cps
Scandium	45-1	4660631	4680586	4788319	4709846	1.46	cps
Scandium	45-2	44815	44477	45474	44922	1.13	cps
Selenium	77-2	410	433	417	420	2.86	cps
Selenium	78-2	1404	1363	1300	1356	3.85	cps
Selenium	82-1	60693	61279	61073	61015	0.49	cps
Silicon	28-1	2087645	2103542	2089384	2093523	0.42	cps
Silver	109-1	5432303	5352495	5447345	5410714	0.94	cps
Silver	107-1	11186520	11053023	11216527	11152023	0.78	cps
Sodium	23-2	20850344	20629961	20557934	20679413	0.74	cps
Strontium	86-1	1251537	1261630	1265158	1259442	0.56	cps
Strontium	88-1	10813882	10853548	10890386	10852605	0.35	cps
Sulfur	34-1	680512	690200	682882	684531	0.74	cps
Terbium	159-1	10294647	10298065	10543072	10378595	1.37	cps
Terbium	159-2	2249683	2233506	2201006	2228065	1.11	cps
Thallium	203-1	3201416	3228486	3233034	3220979	0.53	cps
Thallium	205-1	7491619	7459179	7518353	7489717	0.40	cps
Tin	118-1	3175883	3193851	3178260	3182665	0.31	cps
Titanium	47-1	494510	505996	497041	499182	1.21	cps
Uranium	238-1	9711066	9758888	9638608	9702854	0.62	cps
Vanadium	51-2	353106	347976	351901	350994	0.76	cps
Yttrium	89-1	8738545	8711008	8972877	8807477	1.63	cps
Yttrium	89-2	298398	293832	294885	295705	0.81	cps
Zinc	66-2	147895	147269	146914	147359	0.34	cps
Zirconium	90-1	6866445	6843698	6907796	6872646	0.47	cps

LB Number :	LB90047	Operator :	Jaswal
Lab Sample ID :	CCV016	Instrumnet Name :	P8
Client Sample ID :	CCV016	Dilution Factor :	1
Date & Time Acquired ::	2017-09-13 13:08:10	DataFile Name :	037CCV_P8091317-MS.I

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	91-1	1570723	1566938	1556848	1564836	0.46	cps

LB Number : LB90047 Operator : Jaswal
 Lab Sample ID : CCB016 Instrumnet Name : P8
 Client Sample ID : CCB016 Dilution Factor : 1
 Date & Time Acquired :: 2017-09-13 13:11:11 DataFile Name : 038CCBE_P8091317-M8

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	8	17	25	17	50.01	cps
Antimony	121-1	3184	2925	2700	2937	8.24	cps
Arsenic	75-2	17	4	2	7	109.03	cps
Barium	135-1	25	33	42	33	25.01	cps
Barium	137-1	42	92	67	67	37.50	cps
Beryllium	9-1	333	294	306	311	6.44	cps
Bismuth	209-1	5464614	5762735	5541186	5589512	2.77	cps
Bismuth	209-2	1788263	1791008	1796696	1791989	0.24	cps
Boron	10-1	2175	2384	1825	2128	13.26	cps
Boron	11-1	9662	9170	9103	9312	3.28	cps
Cadmium	111-1	1086	1206	1326	1206	9.97	cps
Cadmium	106-1	1542	1667	1867	1692	9.69	cps
Cadmium	108-1	21	21	8	17	43.31	cps
Calcium	43-1	1675	2092	1917	1895	11.04	cps
Calcium	44-1	38513	38052	38413	38326	0.63	cps
Chromium	52-2	757	693	690	713	5.27	cps
Cobalt	59-2	83	53	60	66	24.04	cps
Copper	63-2	457	423	480	453	6.28	cps
Dysprosium	156-1	25	8	25	19	49.50	cps
Dysprosium	156-2	0	0	0	0	0.00	cps
Erbium	164-1	83	33	33	50	57.75	cps
Erbium	164-2	7	10	10	9	21.63	cps
Gadolinium	160-1	92	17	58	56	67.63	cps
Gadolinium	160-2	10	10	13	11	17.30	cps
Holmium	165-1	8974166	9386098	9212190	9190818	2.25	cps
Holmium	165-2	2235008	2274211	2271731	2260317	0.97	cps
Indium	115-1	7785619	8174968	7913837	7958141	2.49	cps
Indium	115-2	399446	396356	402896	399566	0.82	cps
Iron	56-2	3278	3145	3128	3184	2.58	cps
Iron	57-2	83	78	67	76	11.18	cps
Lead	206-1	889	1039	911	946	8.56	cps
Lead	207-1	761	872	900	845	8.70	cps
Lead	208-1	3606	3967	3634	3736	5.38	cps
Lithium	6-1	1161314	1216074	1174607	1183998	2.41	cps
Magnesium	24-2	300	300	267	289	6.66	cps
Manganese	55-2	67	70	87	74	14.39	cps

LB Number :	LB90047	Operator :	Jaswal
Lab Sample ID :	CCB016	Instrumnet Name :	P8
Client Sample ID :	CCB016	Dilution Factor :	1
Date & Time Acquired ::	2017-09-13 13:11:11	DataFile Name :	038CCBE_P8091317-M8

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Molybdenum	94-1	550	642	583	592	7.84	cps
Molybdenum	95-1	358	292	283	311	13.21	cps
Molybdenum	96-1	383	450	508	447	13.98	cps
Molybdenum	97-1	375	242	292	303	22.25	cps
Molybdenum	98-1	675	475	567	572	17.50	cps
Neodymium	150-1	20	7	20	16	49.47	cps
Neodymium	150-2	0	0	0	0	0.00	cps
Nickel	60-2	327	403	373	368	10.50	cps
Phosphorus	31-2	8	8	17	11	43.34	cps
Potassium	39-2	3934	4201	3759	3965	5.61	cps
Rhodium	103-1	7139184	7600509	7417028	7385574	3.14	cps
Rhodium	103-2	2175926	2141635	2128140	2148567	1.15	cps
Scandium	45-1	4320095	4571258	4419735	4437029	2.85	cps
Scandium	45-2	44006	44798	43437	44080	1.55	cps
Selenium	77-2	0	0	0	0	0.00	cps
Selenium	78-2	6	9	2	6	66.68	cps
Selenium	82-1	-64	-6	-47	-39	-77.13	cps
Silicon	28-1	397041	395731	399108	397293	0.43	cps
Silver	109-1	492	442	567	500	12.58	cps
Silver	107-1	983	1025	1150	1053	8.24	cps
Sodium	23-2	20941	20232	21767	20980	3.66	cps
Strontium	86-1	900	967	917	928	3.74	cps
Strontium	88-1	200	267	175	214	22.15	cps
Sulfur	34-1	369899	379084	377943	375642	1.33	cps
Terbium	159-1	9486440	9908377	9644991	9679936	2.20	cps
Terbium	159-2	2202879	2194481	2231600	2209653	0.88	cps
Thallium	203-1	875	783	675	778	12.87	cps
Thallium	205-1	2459	2059	1834	2117	14.96	cps
Tin	118-1	1734	1650	1617	1667	3.61	cps
Titanium	47-1	175	150	158	161	7.90	cps
Uranium	238-1	175	125	117	139	22.72	cps
Vanadium	51-2	27	27	3	19	71.34	cps
Yttrium	89-1	8061707	8550755	8340888	8317783	2.95	cps
Yttrium	89-2	294373	292794	296021	294396	0.55	cps
Zinc	66-2	73	87	43	68	32.75	cps
Zirconium	90-1	958	975	967	967	0.86	cps

LB Number :	LB90047	Operator :	Jaswal
Lab Sample ID :	CCB016	Instrumnet Name :	P8
Client Sample ID :	CCB016	Dilution Factor :	1
Date & Time Acquired ::	2017-09-13 13:11:11	DataFile Name :	038CCBE_P8091317-MS

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	91-1	250	175	250	225	19.25	cps