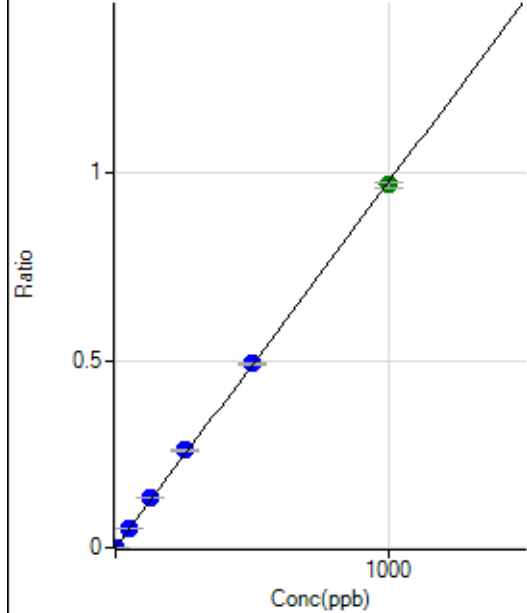


Batch Folder: D:\P8091417 MS .b\
 Analysis File: P8091417 MS .batch.bin
 DA Date-Time: 2017-09-14 13:27:46
 Calibration Title:
 Calibration Method: External Calibration
 VIS Interpolation Fit:

Level	Standard Data File	Sample Name	Acq. Date-Time
1	003CALB P8091417 MS.D	S00	2017-09-14 11:21:21
2			
3	005CALS P8091417 MS.D	S02	2017-09-14 11:28:31
4	006CALS P8091417 MS.D	S03	2017-09-14 11:31:58
5	007CALS P8091417 MS.D	S04	2017-09-14 11:35:25
6	008CALS P8091417 MS.D	S05	2017-09-14 11:38:47
7	009CALS P8091417 MS.D	S06	2017-09-14 11:42:05
8	011CALS P8091417 MS.D	S07	2017-09-14 11:48:34
9	013CALS P8091417 MS.D	S08	2017-09-14 11:55:07

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	207.42	0.0002	P	16.8
2	☐	0.100					
3	☐	1.000	0.996	1396.41	0.0011	P	3.9
4	☐	50.000	53.282	66174.40	0.0522	P	2.2
5	☐	125.000	134.720	158977.46	0.1317	P	0.3
6	☐	250.000	266.346	321021.06	0.2601	P	2.0
7	☐	500.000	503.498	634243.84	0.4916	P	1.5
8	☐	1000.000	992.786	1322954.50	0.9691	A	1.9
9	☐			850.05	0.0006	P	2.6

$$y = 9.7600\text{E-}004 * x + 1.6895\text{E-}004$$

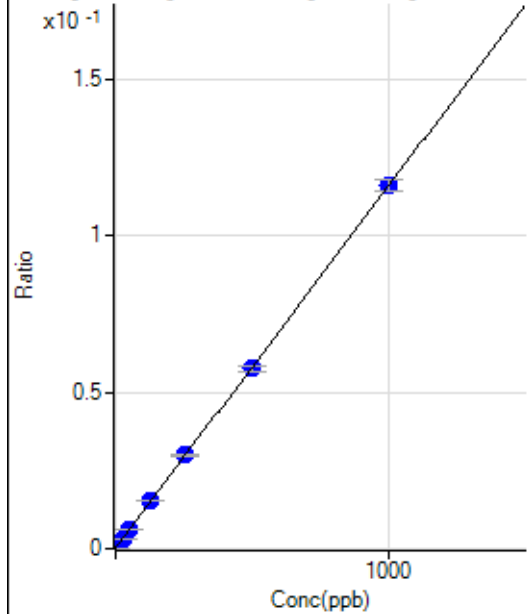
$$R = 0.9998$$

$$DL = 0.08727$$

$$BEC = 0.1731$$

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	230.57	0.0002	P	3.4
2	☐	2.500					
3	☐	25.000	23.029	3486.71	0.0029	P	5.1
4	☐	50.000	50.580	7655.16	0.0060	P	2.2
5	☐	125.000	129.805	18345.81	0.0152	P	2.0
6	☐	250.000	257.180	36920.73	0.0299	P	1.8
7	☐	500.000	495.013	74066.26	0.0574	P	2.5
8	☐	1000.000	1000.118	158046.29	0.1158	P	3.3
9	☐			7366.11	0.0056	P	7.4

$$y = 1.1559\text{E-}004 * x + 1.8816\text{E-}004$$

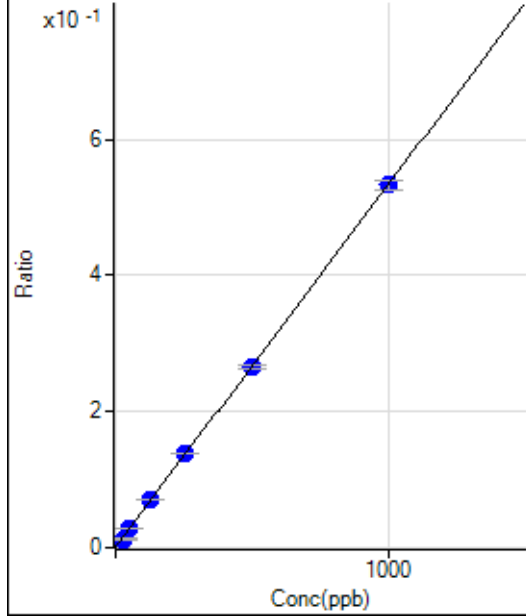
$$R = 0.9999$$

$$DL = 0.1659$$

$$BEC = 1.628$$

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	1080.64	0.0009	P	5.4
2	☐	2.500					
3	☐	25.000	22.178	15536.78	0.0127	P	3.2
4	☐	50.000	49.318	34459.04	0.0272	P	1.9
5	☐	125.000	129.224	84202.37	0.0697	P	1.0
6	☐	250.000	258.585	171126.56	0.1387	P	1.4
7	☐	500.000	498.093	343526.58	0.2663	P	2.5
8	☐	1000.000	998.384	727276.07	0.5328	P	2.5
9	☐			33977.22	0.0257	P	6.9

$$y = 5.3279\text{E-}004 * x + 8.8272\text{E-}004$$

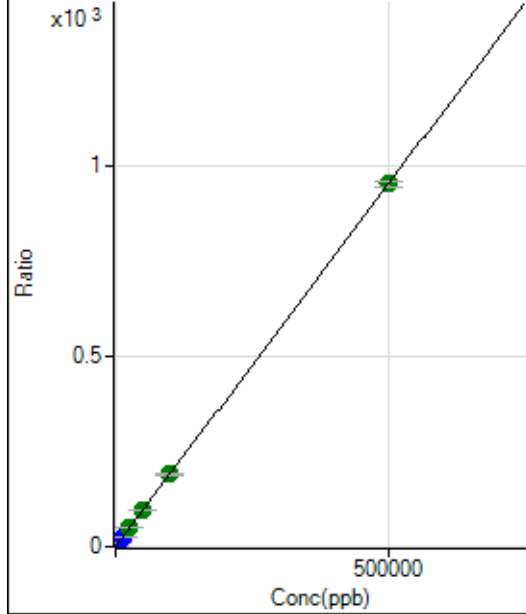
$$R = 0.9999$$

$$DL = 0.2674$$

$$BEC = 1.657$$

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	8194.40	0.2031	P	6.3
2	☐	50.000					
3	☐	500.000	455.276	44919.37	1.0714	P	7.2
4	☐	5000.000	4929.589	423014.12	9.6051	P	0.3
5	☐	12500.000	12798.992	1009799.54	24.6140	P	3.1
6	☐	25000.000	25281.009	2021628.04	48.4204	A	1.2
7	☐	50000.000	49888.961	3798265.97	95.3539	A	0.5
8	☐	100000.00	99810.899	7315408.15	190.5677	A	1.2
9	☐	500000.00	500028.14	38865939.41	953.8829	A	1.4

$$y = 0.0019 * x + 0.2031$$

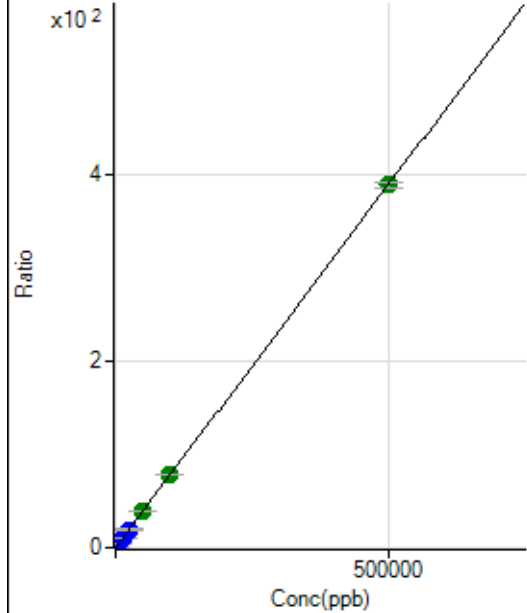
$$R = 1.0000$$

$$DL = 20.25$$

$$BEC = 106.5$$

Weight: <None>

Min Conc: 0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	372.24	0.0092	P	5.4
2	☐	50.000					
3	☐	500.000	455.319	15281.06	0.3645	P	7.2
4	☐	5000.000	4954.482	170655.38	3.8750	P	0.7
5	☐	12500.000	12918.500	413956.07	10.0890	P	2.4
6	☐	25000.000	25120.920	818754.62	19.6101	P	1.2
7	☐	50000.000	51111.145	1588930.33	39.8893	A	0.1
8	☐	100000.00	101370.53	3036618.14	79.1048	A	1.0
9	☐	500000.00	499598.76	15884015.11	389.8272	A	1.2

$$y = 7.8026E-004 * x + 0.0092$$

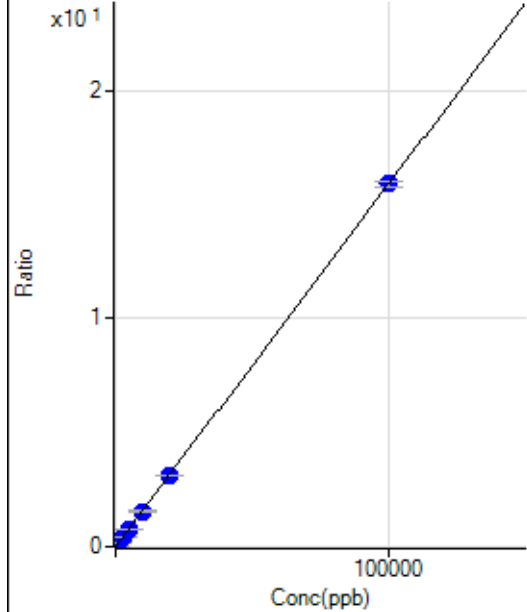
R = 1.0000

DL = 1.897

BEC = 11.81

Weight: <None>

Min Conc: 0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	30.56	0.0008	P	83.4
2	☐	2.000					
3	☐	20.000	16.717	141.68	0.0034	P	32.0
4	☐	1000.000	950.163	6676.85	0.1516	P	2.3
5	☐	2500.000	2594.763	16930.26	0.4127	P	2.9
6	☐	5000.000	4883.001	32396.41	0.7759	P	2.1
7	☐	10000.000	9788.376	61921.68	1.5546	P	1.1
8	☐	20000.000	19554.195	119189.92	3.1049	P	1.0
9	☐	100000.00	100114.30	647632.91	15.8936	P	1.3

$$y = 1.5875E-004 * x + 7.5279E-004$$

R = 1.0000

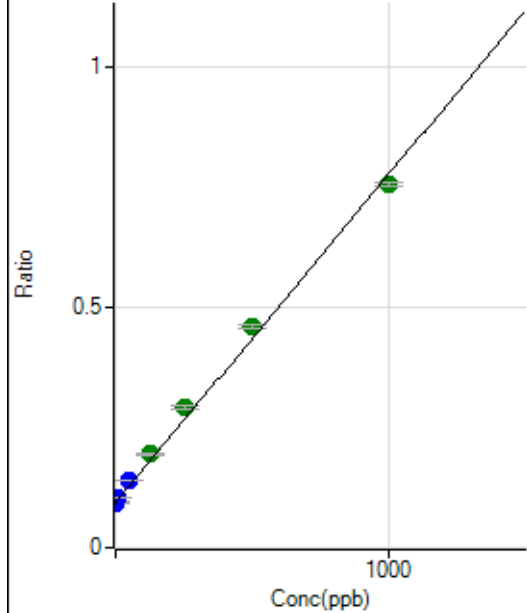
DL = 11.87

BEC = 4.742

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	448375.20	0.0937	P	2.0
2	☐	1.000					
3	☐	10.000	17.053	505836.60	0.1053	P	0.9
4	☐	50.000	68.053	686212.02	0.1400	P	0.9
5	☐	125.000	147.286	917323.81	0.1940	A	1.3
6	☐	250.000	290.595	1362082.62	0.2917	A	2.7
7	☐	500.000	535.955	2177055.80	0.4589	A	1.5
8	☐	1000.000	968.115	3620367.66	0.7533	A	1.2
9	☐			468933.59	0.0986	P	1.6

$$y = 6.8140\text{E-}004 * x + 0.0937$$

$$R = 0.9981$$

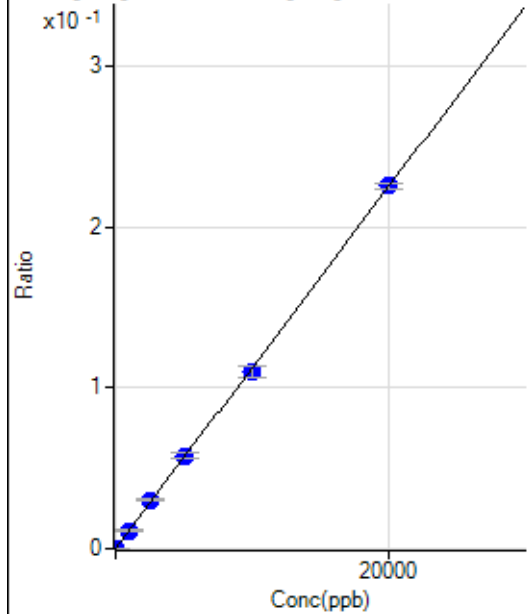
$$DL = 8.072$$

$$BEC = 137.4$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	-2.678	2.78	0.0001	P	173.2
2	☐	0.000					
3	☐	0.000	2.678	5.55	0.0001	P	86.6
4	☐	1000.000	978.653	488.92	0.0111	P	9.0
5	☐	2500.000	2694.209	1247.34	0.0304	P	6.2
6	☐	5000.000	5143.649	2419.76	0.0580	P	6.3
7	☐	10000.000	9768.102	4381.43	0.1100	P	6.1
8	☐	20000.000	20056.828	8664.10	0.2257	P	1.5
9	☐			2.78	0.0001	P	173.2

$$y = 1.1249\text{E-}005 * x + 9.7343\text{E-}005$$

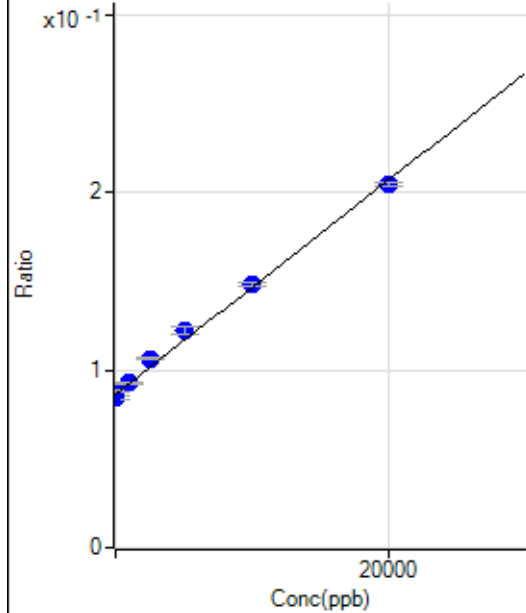
$$R = 0.9998$$

$$DL = 30.25$$

$$BEC = 8.654$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	-307.264	404524.69	0.0845	P	2.7
2	☐	0.000					
3	☐	0.000	307.264	423875.68	0.0882	P	0.8
4	☐	1000.000	1098.203	455712.87	0.0930	P	1.0
5	☐	2500.000	3314.113	502919.55	0.1064	P	0.7
6	☐	5000.000	5930.560	570434.92	0.1222	P	3.1
7	☐	10000.000	10248.135	703219.75	0.1482	P	1.5
8	☐	20000.000	19536.619	981734.31	0.2043	P	0.9
9	☐			392989.38	0.0826	P	1.5

$$y = 6.0356E-006 * x + 0.0864$$

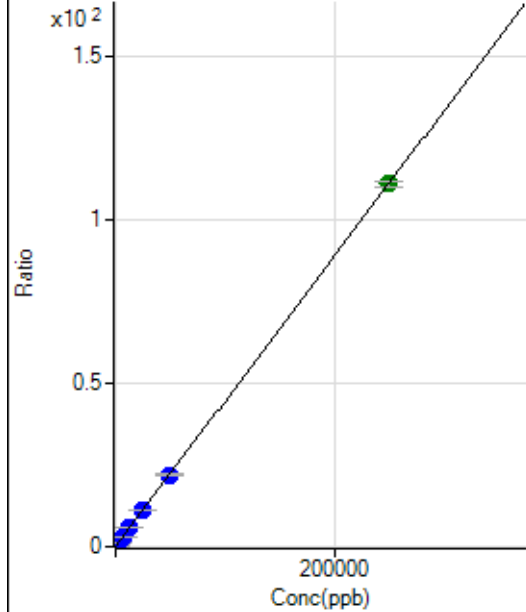
$$R = 0.9977$$

$$DL = 750.7$$

$$BEC = 1.431E+04$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	3119.92	0.0773	P	3.3
2	☐	50.000					
3	☐	500.000	462.222	11802.67	0.2819	P	10.7
4	☐	2500.000	2537.061	52858.81	1.2003	P	3.3
5	☐	6250.000	6608.955	123197.20	3.0028	P	2.8
6	☐	12500.000	12700.313	237968.25	5.6992	P	0.2
7	☐	25000.000	24843.903	441122.03	11.0747	P	0.6
8	☐	50000.000	49389.052	842214.07	21.9398	P	1.1
9	☐	250000.00	250118.51	4514270.19	110.7947	A	1.4

$$y = 4.4266E-004 * x + 0.0773$$

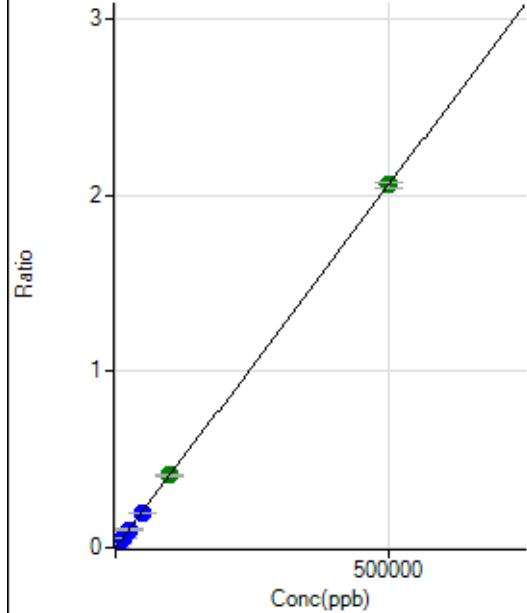
$$R = 1.0000$$

$$DL = 17.18$$

$$BEC = 174.6$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	2016.91	0.0004	P	5.2
2	☐	50.000					
3	☐	500.000	433.750	10593.31	0.0022	P	1.6
4	☐	5000.000	4894.562	100687.90	0.0205	P	1.1
5	☐	12500.000	12371.679	242502.43	0.0513	P	0.2
6	☐	25000.000	25038.100	482670.30	0.1034	P	3.2
7	☐	50000.000	48442.646	946999.63	0.1996	P	1.5
8	☐	100000.00	99483.678	1967740.15	0.4095	A	1.4
9	☐	500000.00	500261.42	9782772.79	2.0573	A	1.2

$$y = 4.1116\text{E-}006 * x + 4.2146\text{E-}004$$

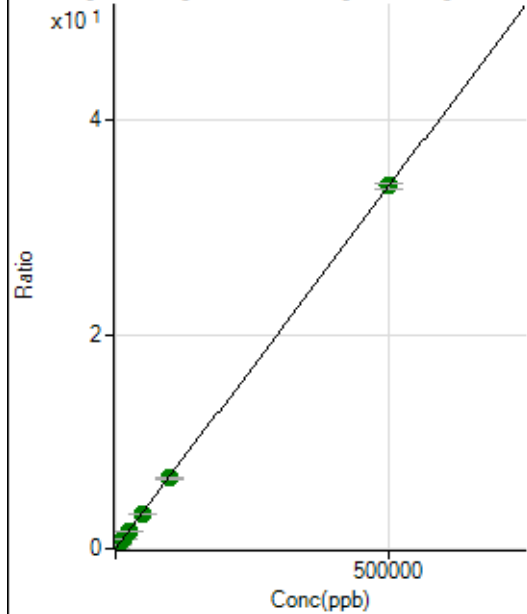
$$R = 1.0000$$

$$DL = 16.12$$

$$BEC = 102.5$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	31369.45	0.0066	P	1.1
2	☐	50.000					
3	☐	500.000	433.177	172276.37	0.0359	P	0.6
4	☐	5000.000	4992.984	1687390.03	0.3443	A	0.6
5	☐	12500.000	12319.585	3971394.84	0.8400	A	0.7
6	☐	25000.000	24606.940	7804328.65	1.6712	A	2.6
7	☐	50000.000	47971.492	15427491.49	3.2517	A	1.9
8	☐	100000.00	96943.089	31548518.07	6.5646	A	0.7
9	☐	500000.00	500838.53	161140846.6	33.8875	A	1.4

$$y = 6.7648\text{E-}005 * x + 0.0066$$

$$R = 1.0000$$

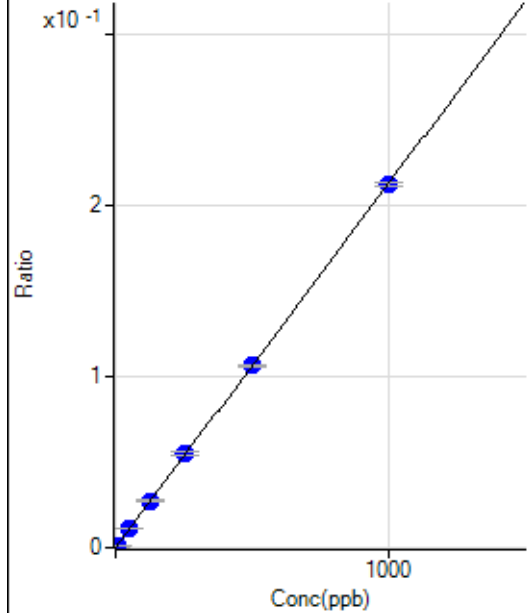
$$DL = 3.293$$

$$BEC = 96.84$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	169.45	0.0000	P	23.7
2	☐	0.500					
3	☐	5.000	4.389	4651.00	0.0010	P	5.4
4	☐	50.000	50.939	53213.32	0.0109	P	2.2
5	☐	125.000	128.599	129367.91	0.0274	P	1.1
6	☐	250.000	259.745	257876.87	0.0552	P	3.5
7	☐	500.000	501.089	505375.38	0.1065	P	0.9
8	☐	1000.000	996.525	1017811.27	0.2118	P	0.9
9	☐			822.28	0.0002	P	8.2

$$y = 2.1249E-004 * x + 3.5553E-005$$

$$R = 0.9999$$

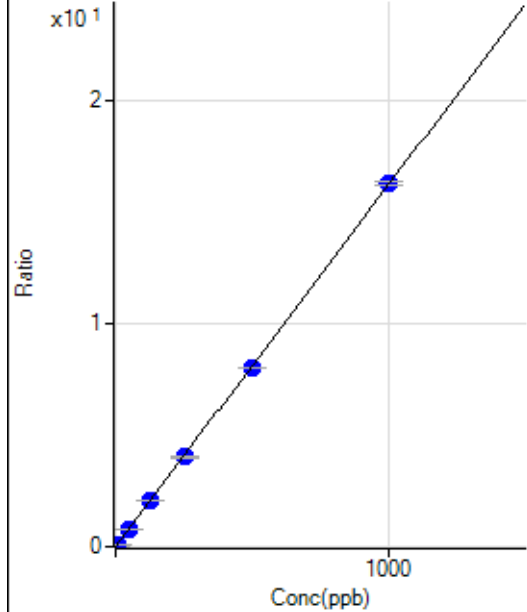
$$DL = 0.1188$$

$$BEC = 0.1673$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	14.44	0.0004	P	35.5
2	☐	0.500					
3	☐	5.000	4.424	3030.38	0.0722	P	5.6
4	☐	50.000	49.347	35284.50	0.8012	P	1.8
5	☐	125.000	127.314	84796.01	2.0666	P	2.2
6	☐	250.000	248.450	168373.81	4.0326	P	1.5
7	☐	500.000	494.156	319462.21	8.0203	P	0.5
8	☐	1000.000	1003.056	624915.74	16.2795	P	1.2
9	☐			162.23	0.0040	P	26.9

$$y = 0.0162 * x + 3.5827E-004$$

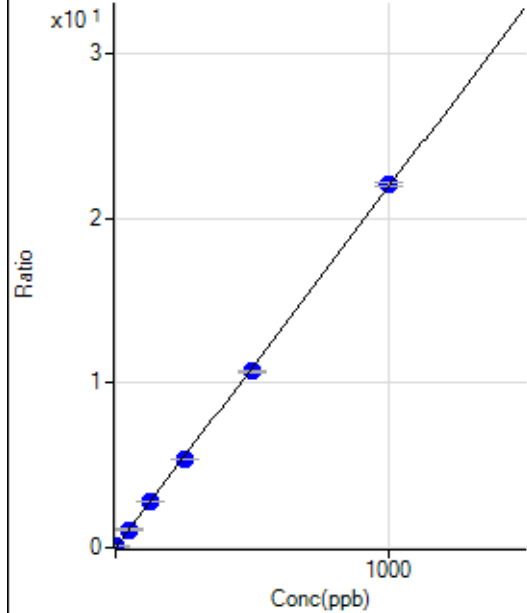
$$R = 1.0000$$

$$DL = 0.02352$$

$$BEC = 0.02208$$

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	725.59	0.0180	P	5.8
2	☐	0.200					
3	☐	2.000	1.995	2584.73	0.0616	P	5.6
4	☐	50.000	49.534	48531.74	1.1021	P	2.0
5	☐	125.000	127.605	115323.42	2.8107	P	2.4
6	☐	250.000	245.816	225373.48	5.3978	P	0.8
7	☐	500.000	488.353	426427.24	10.7060	P	0.9
8	☐	1000.000	1006.567	846352.37	22.0475	P	0.9
9	☐			6641.68	0.1630	P	3.4

$$y = 0.0219 * x + 0.0180$$

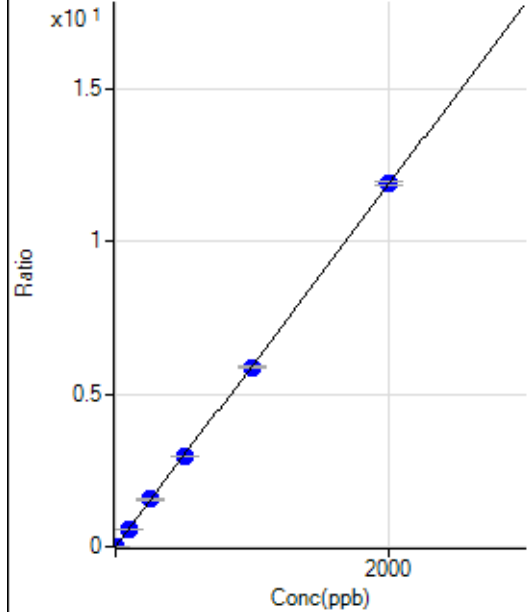
$$R = 0.9999$$

$$DL = 0.143$$

$$BEC = 0.8203$$

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	102.22	0.0025	P	10.2
2	☐	0.100					
3	☐	1.000	0.845	317.79	0.0075	P	10.8
4	☐	100.000	99.656	26111.27	0.5929	P	0.8
5	☐	250.000	260.221	63355.16	1.5441	P	2.4
6	☐	500.000	498.421	123391.27	2.9553	P	0.9
7	☐	1000.000	990.669	233873.42	5.8714	P	0.4
8	☐	2000.000	2003.800	455784.52	11.8734	P	1.1
9	☐			1617.90	0.0397	P	6.0

$$y = 0.0059 * x + 0.0025$$

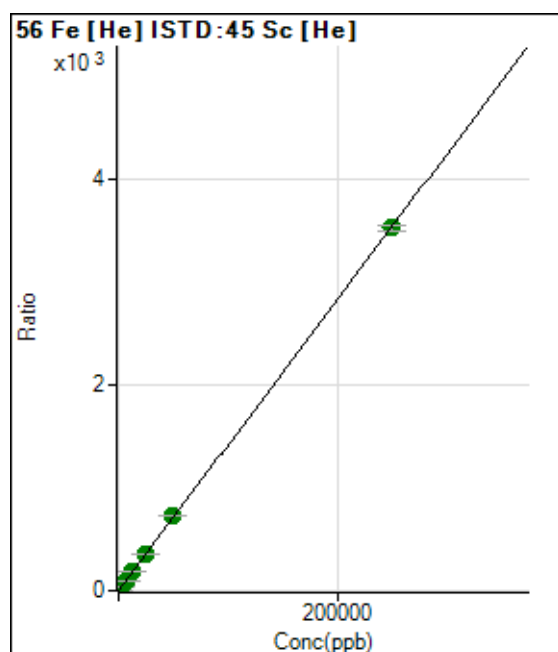
$$R = 1.0000$$

$$DL = 0.1302$$

$$BEC = 0.4267$$

Weight: <None>

Min Conc: 0



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	2103.93	0.0522	P	10.4
2	☐	5.000					
3	☐	50.000	46.289	29591.16	0.7059	P	7.4
4	☐	2500.000	2571.533	1601783.64	36.3719	A	1.1
5	☐	6250.000	6614.689	3835127.37	93.4766	A	2.8
6	☐	12500.000	12633.374	7452223.89	178.4832	A	1.0
7	☐	25000.000	25450.967	14320034.81	359.5162	A	0.6
8	☐	50000.000	51486.268	27915766.60	727.2332	A	1.3
9	☐	250000.00	249641.14	143661456.9	3,525.930	A	1.6

$$y = 0.0141 * x + 0.0522$$

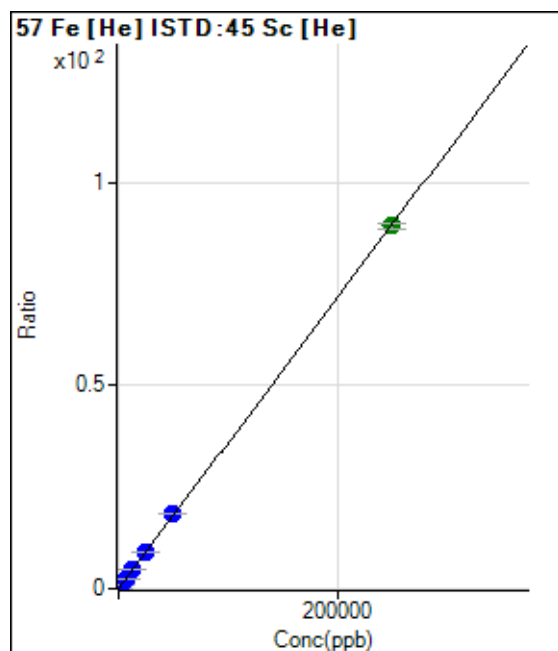
R = 1.0000

DL = 1.148

BEC = 3.693

Weight: <None>

Min Conc: 0



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	64.82	0.0016	P	20.0
2	☐	5.000					
3	☐	50.000	49.285	807.45	0.0192	P	5.1
4	☐	2500.000	2543.885	40137.97	0.9114	P	1.7
5	☐	6250.000	6596.070	96851.39	2.3607	P	2.8
6	☐	12500.000	12601.866	188253.22	4.5086	P	0.1
7	☐	25000.000	25470.373	362917.88	9.1110	P	0.3
8	☐	50000.000	51695.599	709782.45	18.4903	P	1.2
9	☐	250000.00	249599.65	3637395.65	89.2699	A	1.4

$$y = 3.5765E-004 * x + 0.0016$$

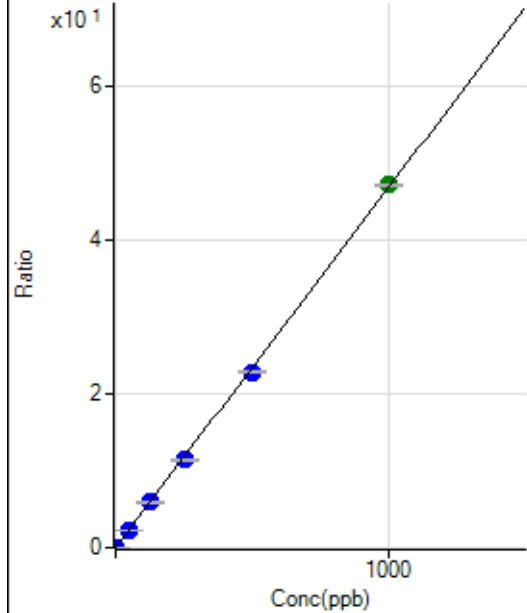
R = 1.0000

DL = 2.696

BEC = 4.499

Weight: <None>

Min Conc: 0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	55.55	0.0014	P	5.1
2	☐	0.100					
3	☐	1.000	0.936	1896.83	0.0453	P	9.1
4	☐	50.000	48.805	100866.12	2.2904	P	0.9
5	☐	125.000	126.216	242930.94	5.9210	P	2.6
6	☐	250.000	243.172	476253.47	11.4064	P	1.0
7	☐	500.000	488.519	912687.77	22.9134	P	0.4
8	☐	1000.000	1007.355	1813834.22	47.2473	A	0.3
9	☐			2308.01	0.0567	P	4.0

$$y = 0.0469 * x + 0.0014$$

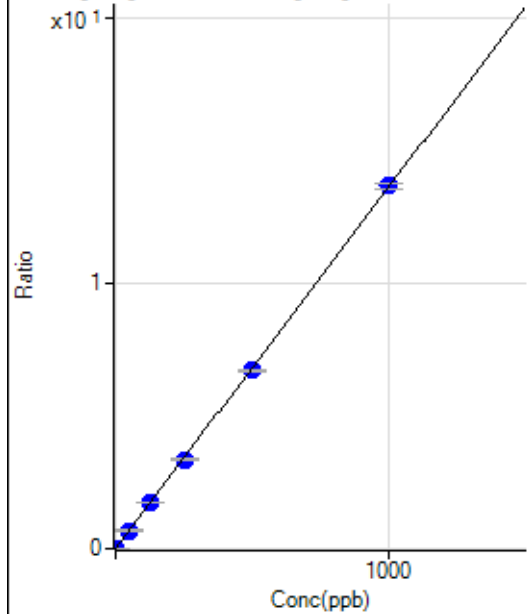
$$R = 0.9999$$

$$DL = 0.004456$$

$$BEC = 0.02931$$

Weight: <None>

Min Conc: 0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	285.56	0.0071	P	7.8
2	☐	0.100					
3	☐	1.000	1.058	900.04	0.0215	P	6.8
4	☐	50.000	50.009	30276.46	0.6875	P	1.8
5	☐	125.000	128.415	71986.07	1.7543	P	1.9
6	☐	250.000	246.891	140552.97	3.3663	P	0.8
7	☐	500.000	492.190	267029.14	6.7039	P	0.6
8	☐	1000.000	1004.255	524790.22	13.6712	P	1.3
9	☐			2021.29	0.0496	P	2.6

$$y = 0.0136 * x + 0.0071$$

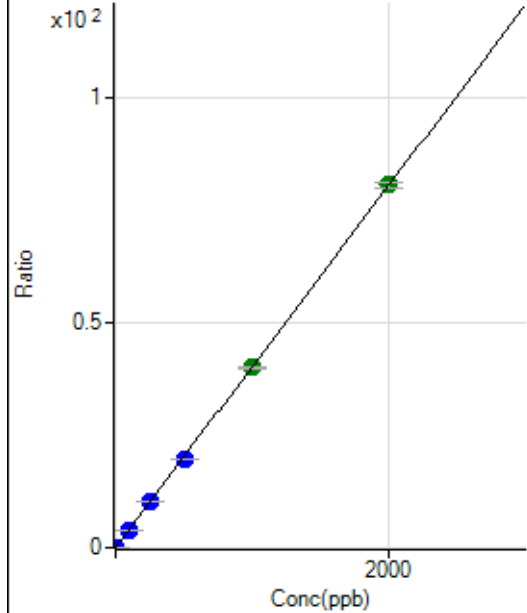
$$R = 0.9999$$

$$DL = 0.1211$$

$$BEC = 0.5193$$

Weight: <None>

Min Conc: 0

⁶³Cu [He] ISTD:45 Sc [He]

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	324.46	0.0080	P	9.2
2	☐	0.200					
3	☐	2.000	1.977	3668.33	0.0874	P	5.5
4	☐	100.000	98.102	173885.59	3.9484	P	0.7
5	☐	250.000	253.339	417815.04	10.1835	P	2.6
6	☐	500.000	489.555	821340.85	19.6712	P	0.6
7	☐	1000.000	993.961	1590458.12	39.9309	A	1.5
8	☐	2000.000	2005.308	3092070.20	80.5522	A	1.5
9	☐			4983.20	0.1223	P	1.9

$$y = 0.0402 * x + 0.0080$$

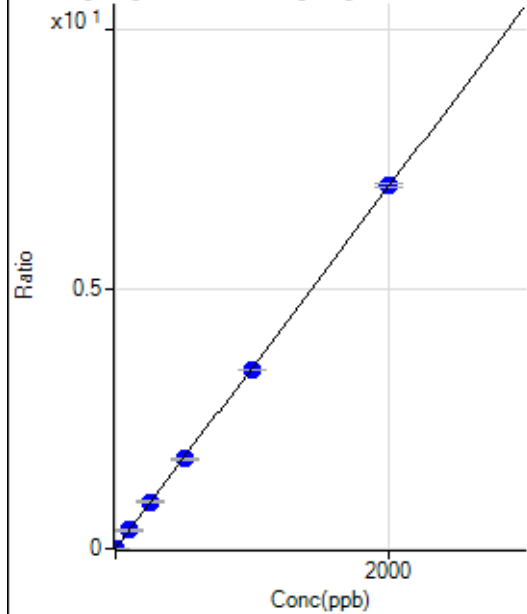
$$R = 1.0000$$

$$DL = 0.05513$$

$$BEC = 0.2002$$

Weight: <None>

Min Conc: 0

⁶⁶Zn [He] ISTD:45 Sc [He]

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	60.00	0.0015	P	7.7
2	☐	0.200					
3	☐	2.000	1.867	334.45	0.0080	P	8.4
4	☐	100.000	101.257	15575.56	0.3536	P	1.4
5	☐	250.000	257.501	36805.62	0.8970	P	2.4
6	☐	500.000	496.648	72178.92	1.7288	P	1.2
7	☐	1000.000	988.538	137001.66	3.4395	P	0.4
8	☐	2000.000	2005.569	267809.64	6.9766	P	1.2
9	☐			1043.39	0.0256	P	8.6

$$y = 0.0035 * x + 0.0015$$

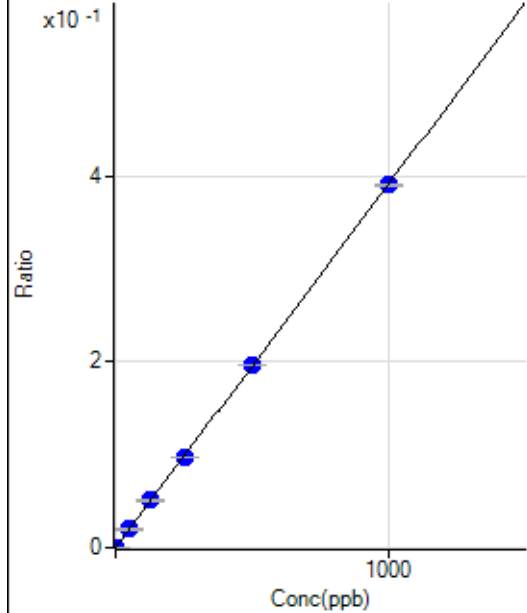
$$R = 1.0000$$

$$DL = 0.09818$$

$$BEC = 0.4268$$

Weight: <None>

Min Conc: 0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	6.17	0.0000	P	34.9
2	☐	0.100					
3	☐	1.000	0.836	96.30	0.0004	P	12.8
4	☐	50.000	50.553	5771.63	0.0198	P	3.0
5	☐	125.000	130.690	13865.06	0.0512	P	3.1
6	☐	250.000	249.363	26881.70	0.0976	P	1.2
7	☐	500.000	502.832	51305.31	0.1968	P	0.7
8	☐	1000.000	998.005	100104.14	0.3905	P	0.9
9	☐			43.21	0.0002	P	6.3

$$y = 3.9127\text{E-}004 * x + 2.2823\text{E-}005$$

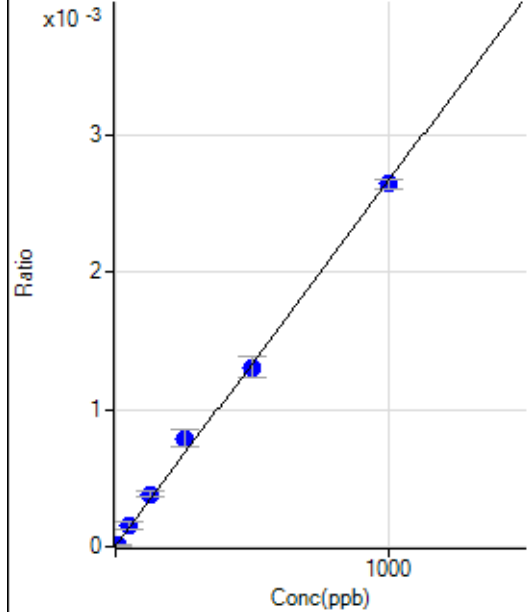
$$R = 1.0000$$

$$DL = 0.06108$$

$$BEC = 0.05833$$

Weight: <None>

Min Conc: 0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	1.11	0.0000	P	173.2
2	☐	0.500					
3	☐	5.000	3.039	3.33	0.0000	P	97.1
4	☐	50.000	55.755	44.45	0.0002	P	35.4
5	☐	125.000	143.042	104.45	0.0004	P	9.5
6	☐	250.000	293.813	216.67	0.0008	P	16.3
7	☐	500.000	489.656	341.12	0.0013	P	11.9
8	☐	1000.000	991.686	677.81	0.0026	P	2.3
9	☐			0.00	0.0000	P	

$$y = 2.6625\text{E-}006 * x + 4.0047\text{E-}006$$

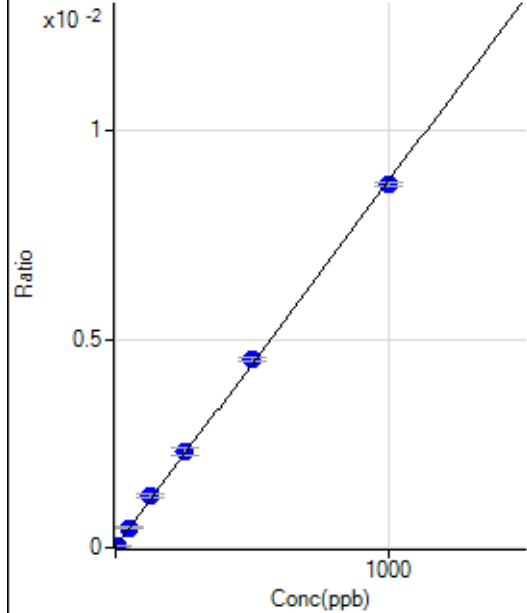
$$R = 0.9988$$

$$DL = 7.815$$

$$BEC = 1.504$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	4.94	0.0000	P	19.9
2	☐	0.500					
3	☐	5.000	3.182	12.96	0.0000	P	48.5
4	☐	50.000	52.624	140.13	0.0005	P	3.6
5	☐	125.000	139.717	337.66	0.0012	P	4.4
6	☐	250.000	260.509	635.82	0.0023	P	6.4
7	☐	500.000	512.439	1179.08	0.0045	P	2.2
8	☐	1000.000	989.191	2233.54	0.0087	P	1.2
9	☐			2.47	0.0000	P	41.7

$$y = 8.7894\text{E-}006 * x + 1.8200\text{E-}005$$

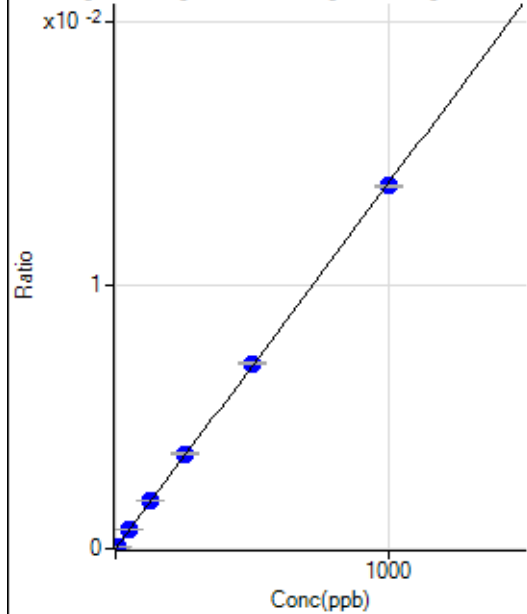
$$R = 0.9997$$

$$DL = 1.238$$

$$BEC = 2.071$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	2.09	0.0000	P	1617.
2	☐	0.500					
3	☐	5.000	4.061	461.30	0.0001	P	16.8
4	☐	50.000	51.159	5967.20	0.0007	P	0.5
5	☐	125.000	130.177	14707.69	0.0018	P	0.2
6	☐	250.000	260.278	29335.54	0.0036	P	2.7
7	☐	500.000	507.793	57902.44	0.0070	P	0.4
8	☐	1000.000	992.834	118129.45	0.0138	P	0.3
9	☐			0.53	0.0000	P	8614.

$$y = 1.3851\text{E-}005 * x + 1.8007\text{E-}007$$

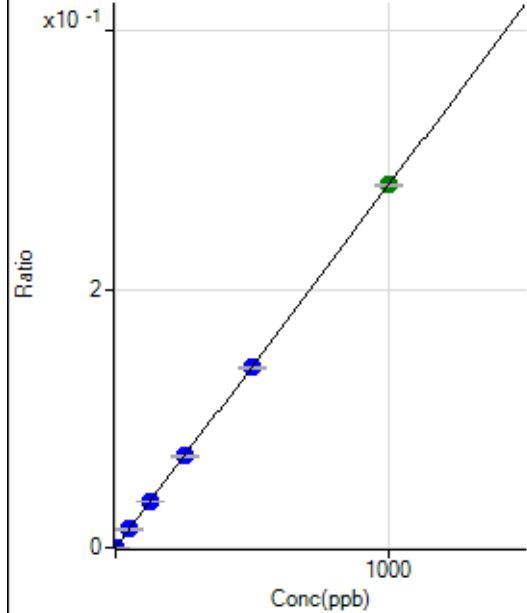
$$R = 0.9999$$

$$DL = 0.631$$

$$BEC = 0.013$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	852.85	0.0001	P	9.2
2	☐	0.100					
3	☐	1.000	1.028	3200.53	0.0004	P	6.7
4	☐	50.000	50.227	119494.68	0.0142	P	1.6
5	☐	125.000	125.565	288142.65	0.0353	P	0.5
6	☐	250.000	253.907	580443.51	0.0713	P	2.4
7	☐	500.000	496.122	1146614.40	0.1393	P	0.4
8	☐	1000.000	1000.880	2412794.45	0.2809	A	0.8
9	☐			82705.73	0.0099	P	0.3

$$y = 2.8053\text{E-}004 * x + 1.0262\text{E-}004$$

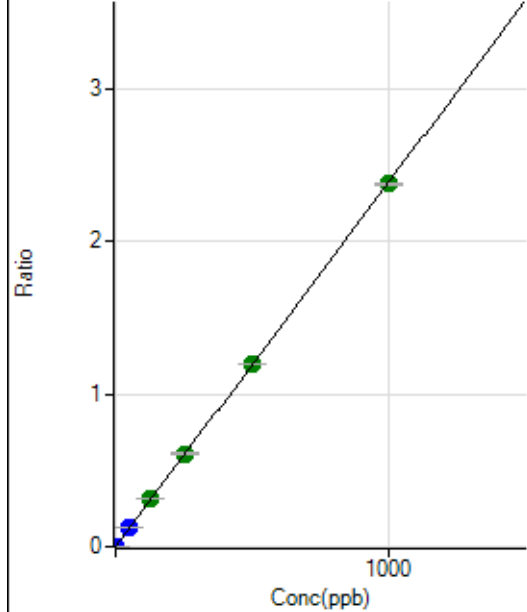
$$R = 1.0000$$

$$DL = 0.101$$

$$BEC = 0.3658$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	169.45	0.0000	P	10.7
2	☐	0.100					
3	☐	1.000	0.983	19381.29	0.0024	P	2.6
4	☐	50.000	51.455	1033901.23	0.1228	P	0.1
5	☐	125.000	130.134	2532946.15	0.3105	A	0.9
6	☐	250.000	255.877	4968863.35	0.6106	A	2.2
7	☐	500.000	502.604	9873720.79	1.1993	A	0.4
8	☐	1000.000	996.514	20426767.99	2.3779	A	0.3
9	☐			707783.49	0.0849	P	0.7

$$y = 0.0024 * x + 2.0445\text{E-}005$$

$$R = 1.0000$$

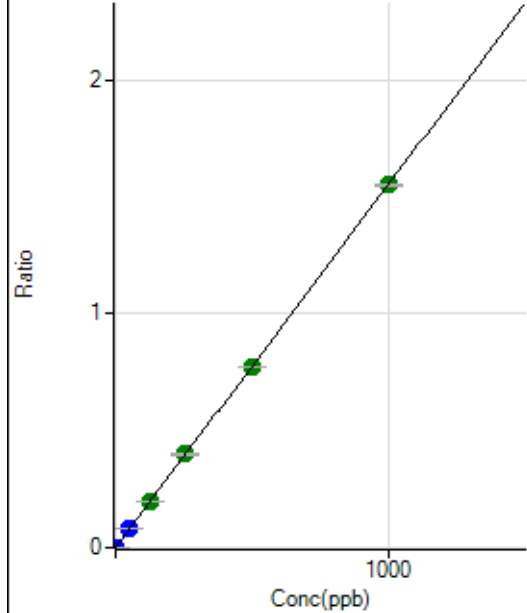
$$DL = 0.002756$$

$$BEC = 0.008568$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	508.37	0.0001	P	14.0
2	☐	0.100					
3	☐	1.000	0.849	11302.41	0.0014	P	1.2
4	☐	50.000	50.539	661164.19	0.0785	P	0.5
5	☐	125.000	128.725	1630720.00	0.1999	A	0.8
6	☐	250.000	256.750	3244953.50	0.3987	A	1.4
7	☐	500.000	498.364	6370568.63	0.7739	A	0.6
8	☐	1000.000	998.638	13319913.15	1.5506	A	0.5
9	☐			3900.77	0.0005	P	2.1

$$y = 0.0016 * x + 6.1459E-005$$

$$R = 1.0000$$

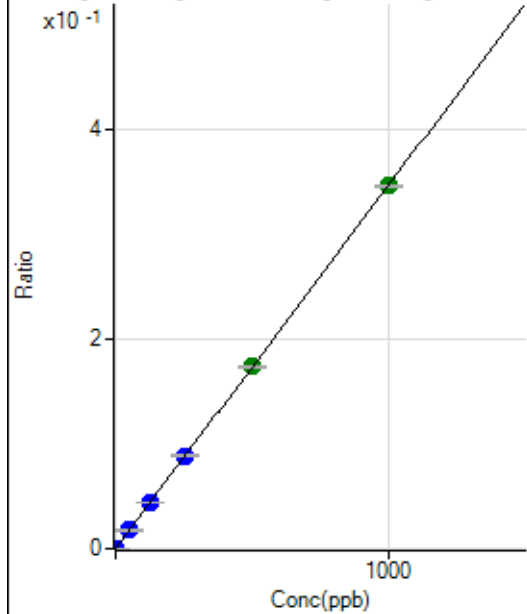
$$DL = 0.01664$$

$$BEC = 0.03958$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	100.00	0.0000	P	24.0
2	☐	0.100					
3	☐	1.000	0.860	2539.25	0.0003	P	0.8
4	☐	50.000	50.293	146853.81	0.0174	P	0.9
5	☐	125.000	125.769	355626.94	0.0436	P	0.3
6	☐	250.000	254.640	718304.61	0.0883	P	2.0
7	☐	500.000	500.714	1428752.16	0.1736	A	0.6
8	☐	1000.000	998.372	2972449.05	0.3460	A	0.7
9	☐			875.07	0.0001	P	2.5

$$y = 3.4658E-004 * x + 1.2108E-005$$

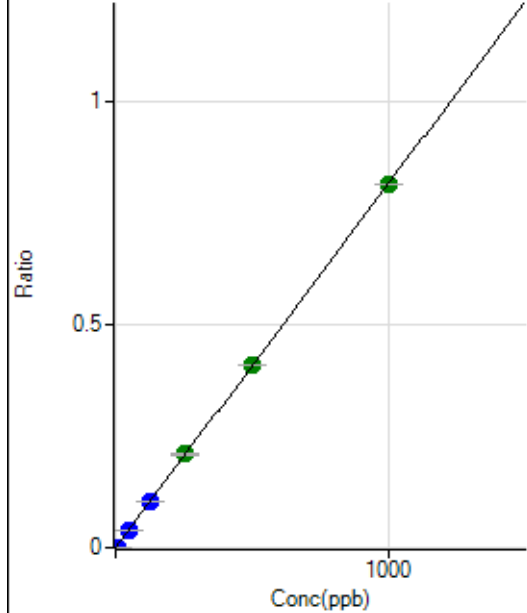
$$R = 1.0000$$

$$DL = 0.0252$$

$$BEC = 0.03494$$

Weight: <None>

Min Conc: 0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	202.79	0.0000	P	22.6
2	☐	0.500					
3	☐	5.000	1.905	12923.35	0.0016	P	1.3
4	☐	50.000	49.947	343191.56	0.0408	P	0.6
5	☐	125.000	126.483	841636.90	0.1032	P	0.2
6	☐	250.000	256.771	1704354.77	0.2095	A	2.8
7	☐	500.000	503.511	3381165.44	0.4107	A	0.3
8	☐	1000.000	996.384	6981391.13	0.8127	A	0.1
9	☐			4314.77	0.0005	P	4.2

$$y = 8.1564\text{E-}004 * x + 2.4575\text{E-}005$$

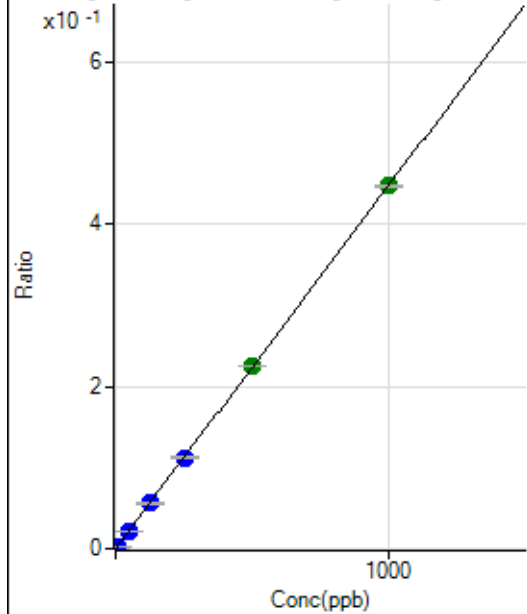
$$R = 1.0000$$

$$DL = 0.02042$$

$$BEC = 0.03013$$

Weight: <None>

Min Conc: 0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	63.89	0.0000	P	25.9
2	☐	0.500					
3	☐	5.000	4.251	15631.81	0.0019	P	3.1
4	☐	50.000	48.820	183926.04	0.0218	P	0.7
5	☐	125.000	124.506	454326.75	0.0557	P	0.6
6	☐	250.000	249.007	906500.48	0.1114	P	2.1
7	☐	500.000	501.855	1848274.93	0.2245	A	0.3
8	☐	1000.000	999.445	3840535.33	0.4471	A	0.8
9	☐			5128.97	0.0006	P	4.0

$$y = 4.4733\text{E-}004 * x + 7.6867\text{E-}006$$

$$R = 1.0000$$

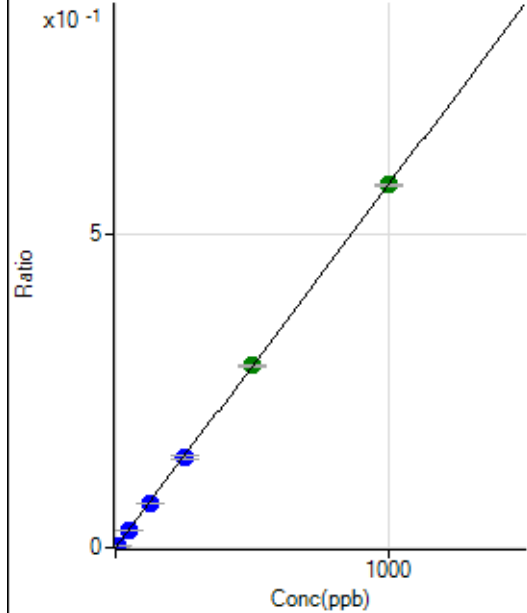
$$DL = 0.01335$$

$$BEC = 0.01718$$

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	77.78	0.0000	P	27.4
2	☐	0.500					
3	☐	5.000	3.812	18176.82	0.0022	P	4.4
4	☐	50.000	49.119	239936.68	0.0285	P	1.3
5	☐	125.000	123.734	585437.97	0.0718	P	0.1
6	☐	250.000	248.812	1174309.92	0.1443	P	3.0
7	☐	500.000	501.293	2393498.84	0.2908	A	1.4
8	☐	1000.000	999.859	4981828.50	0.5799	A	0.4
9	☐			7474.64	0.0009	P	3.3

$$y = 5.8002\text{E-}004 * x + 9.3985\text{E-}006$$

$$R = 1.0000$$

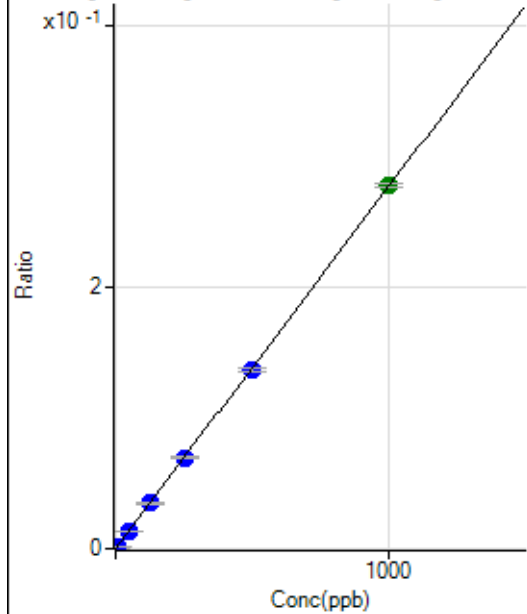
$$DL = 0.01332$$

$$BEC = 0.0162$$

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	102.79	0.0000	P	21.1
2	☐	0.500					
3	☐	5.000	4.457	10201.52	0.0012	P	1.7
4	☐	50.000	50.060	116736.29	0.0139	P	1.1
5	☐	125.000	125.103	282478.36	0.0346	P	0.8
6	☐	250.000	251.611	566613.87	0.0696	P	3.3
7	☐	500.000	494.361	1126264.21	0.1368	P	1.2
8	☐	1000.000	1002.404	2382927.63	0.2774	A	1.2
9	☐			3233.87	0.0004	P	9.0

$$y = 2.7673\text{E-}004 * x + 1.2416\text{E-}005$$

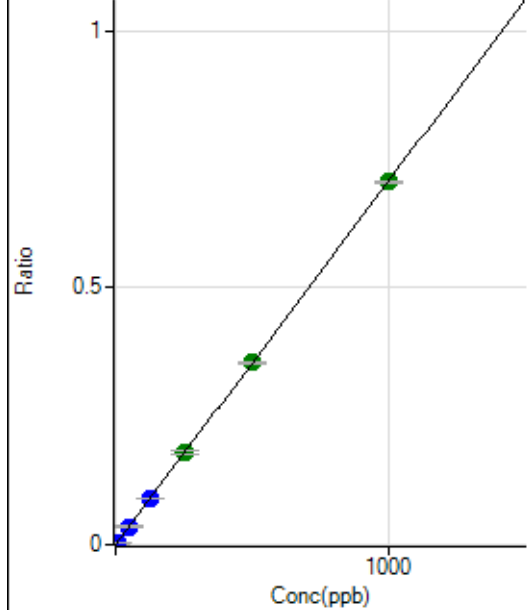
$$R = 1.0000$$

$$DL = 0.02835$$

$$BEC = 0.04487$$

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	55.56	0.0000	P	49.7
2	☐	0.500					
3	☐	5.000	4.399	25524.96	0.0031	P	2.0
4	☐	50.000	50.146	298606.27	0.0355	P	0.5
5	☐	125.000	125.467	723690.43	0.0887	P	0.8
6	☐	250.000	254.001	1461670.07	0.1796	A	2.3
7	☐	500.000	501.491	2919345.90	0.3546	A	1.0
8	☐	1000.000	998.192	6063670.40	0.7059	A	0.6
9	☐			7952.69	0.0010	P	2.8

$$y = 7.0715\text{E-}004 * x + 6.7330\text{E-}006$$

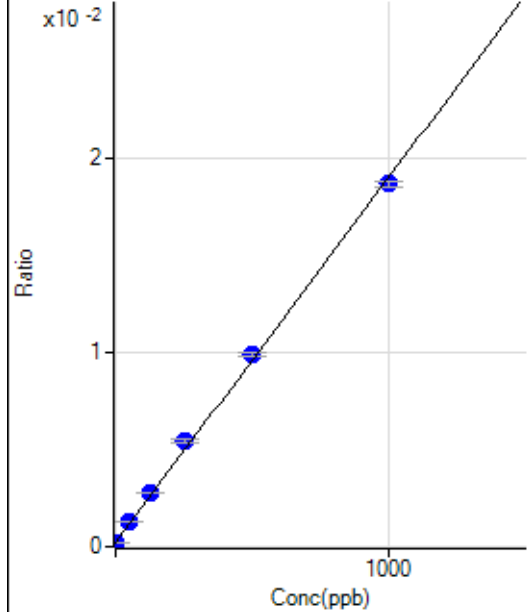
$$R = 1.0000$$

$$DL = 0.01419$$

$$BEC = 0.009521$$

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	1930.79	0.0002	P	1.9
2	☐	0.100					
3	☐	1.000	0.056	1936.35	0.0002	P	5.9
4	☐	50.000	56.029	11900.29	0.0013	P	2.2
5	☐	125.000	137.462	25564.01	0.0028	P	1.1
6	☐	250.000	278.065	50183.47	0.0054	P	2.3
7	☐	500.000	515.935	96153.12	0.0099	P	1.6
8	☐	1000.000	983.158	196987.88	0.0187	P	1.7
9	☐			1822.44	0.0002	P	6.7

$$y = 1.8829\text{E-}005 * x + 2.1341\text{E-}004$$

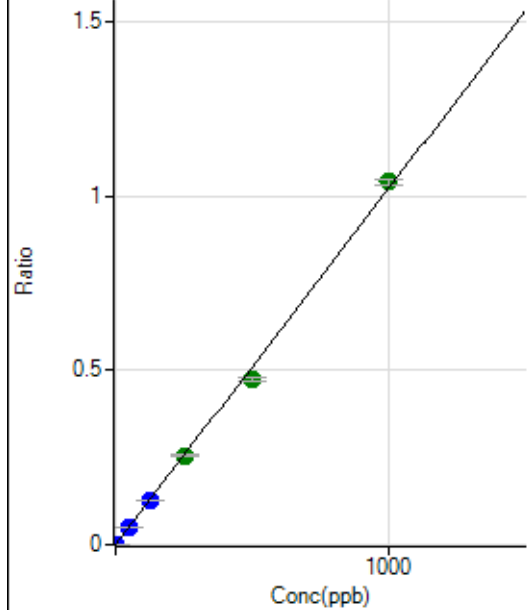
$$R = 0.9993$$

$$DL = 0.6532$$

$$BEC = 11.33$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	133.34	0.0000	P	28.9
2	☐	0.100					
3	☐	1.000	1.189	11088.35	0.0012	P	1.6
4	☐	50.000	49.061	469835.25	0.0501	P	0.2
5	☐	125.000	122.517	1140978.30	0.1250	P	0.1
6	☐	250.000	249.103	2341265.55	0.2542	A	1.8
7	☐	500.000	462.657	4572307.00	0.4721	A	2.4
8	☐	1000.000	1019.253	10942710.75	1.0401	A	1.5
9	☐			1508.49	0.0001	P	8.7

$$y = 0.0010 * x + 1.4763E-005$$

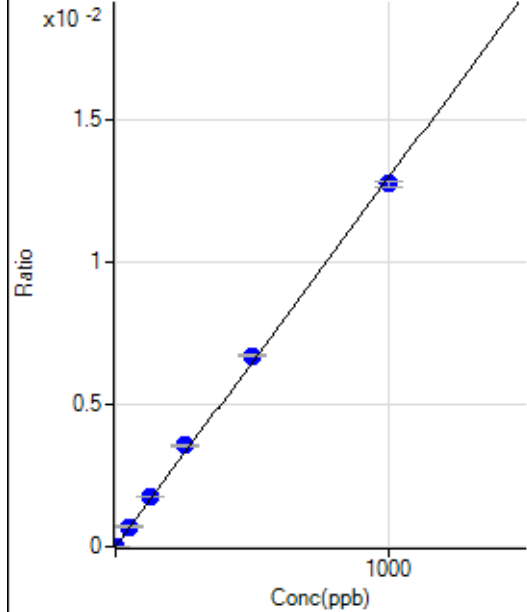
$$R = 0.9990$$

$$DL = 0.01256$$

$$BEC = 0.01447$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	6.94	0.0000	P	33.0
2	☐	0.100					
3	☐	1.000	1.210	148.61	0.0000	P	13.6
4	☐	50.000	54.670	6655.96	0.0007	P	0.8
5	☐	125.000	137.371	16255.93	0.0018	P	0.6
6	☐	250.000	273.812	32699.67	0.0036	P	2.1
7	☐	500.000	516.991	64923.76	0.0067	P	1.0
8	☐	1000.000	983.771	134166.49	0.0128	P	1.8
9	☐			26.39	0.0000	P	39.9

$$y = 1.2963E-005 * x + 7.6402E-007$$

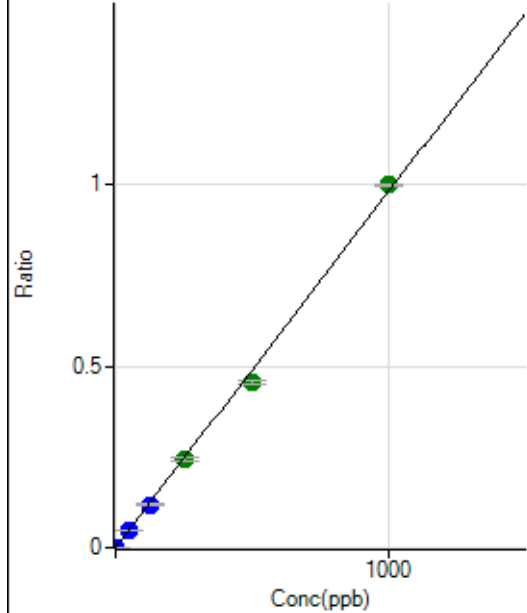
$$R = 0.9994$$

$$DL = 0.05838$$

$$BEC = 0.05894$$

Weight: <None>

Min Conc: 0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	63.89	0.0000	P	51.8
2	☐	0.100					
3	☐	1.000	1.148	10220.92	0.0011	P	3.6
4	☐	50.000	48.386	445060.14	0.0474	P	1.0
5	☐	125.000	121.281	1084994.74	0.1189	P	0.8
6	☐	250.000	247.950	2238326.63	0.2431	A	3.0
7	☐	500.000	464.069	4405963.38	0.4550	A	2.1
8	☐	1000.000	1019.024	10510225.24	0.9990	A	0.7
9	☐			1458.48	0.0001	P	6.1

$$y = 9.8034\text{E-}004 * x + 7.1144\text{E-}006$$

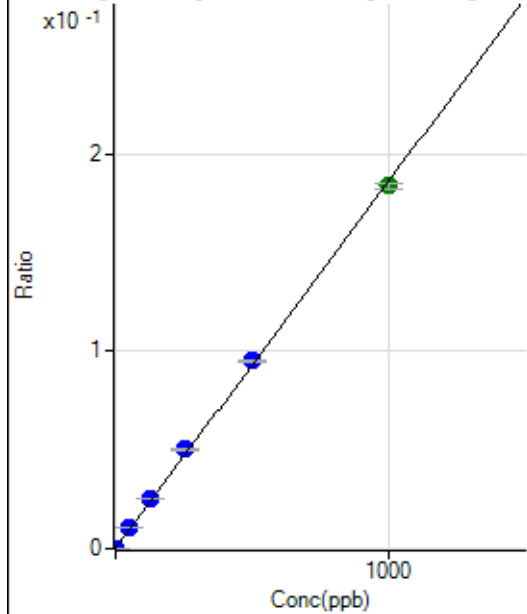
$$R = 0.9991$$

$$DL = 0.01127$$

$$BEC = 0.007257$$

Weight: <None>

Min Conc: 0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	1353.64	0.0001	P	1.9
2	☐	0.100					
3	☐	1.000	0.930	2911.27	0.0003	P	0.9
4	☐	50.000	54.556	96567.94	0.0103	P	0.6
5	☐	125.000	136.007	232124.49	0.0254	P	0.4
6	☐	250.000	270.274	464161.17	0.0504	P	2.5
7	☐	500.000	510.662	921060.95	0.0951	P	1.7
8	☐	1000.000	987.997	1934308.72	0.1839	A	1.2
9	☐			1576.69	0.0002	P	7.3

$$y = 1.8594\text{E-}004 * x + 1.4962\text{E-}004$$

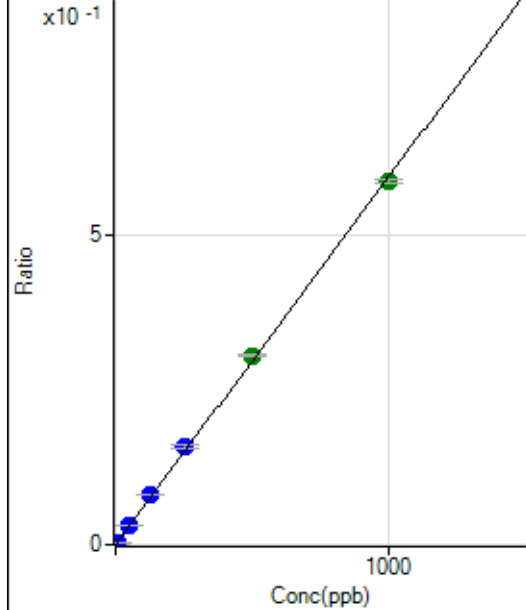
$$R = 0.9997$$

$$DL = 0.04583$$

$$BEC = 0.8046$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	705.61	0.0001	P	13.0
2	☐	0.500					
3	☐	5.000	4.699	25797.93	0.0029	P	2.8
4	☐	50.000	53.024	295112.32	0.0315	P	0.5
5	☐	125.000	133.722	722812.89	0.0792	P	0.3
6	☐	250.000	266.551	1453372.97	0.1578	P	2.5
7	☐	500.000	514.906	2951929.84	0.3048	A	1.8
8	☐	1000.000	987.169	6147032.38	0.5843	A	1.1
9	☐			5526.38	0.0005	P	7.9

$$y = 5.9180\text{E-}004 * x + 7.7862\text{E-}005$$

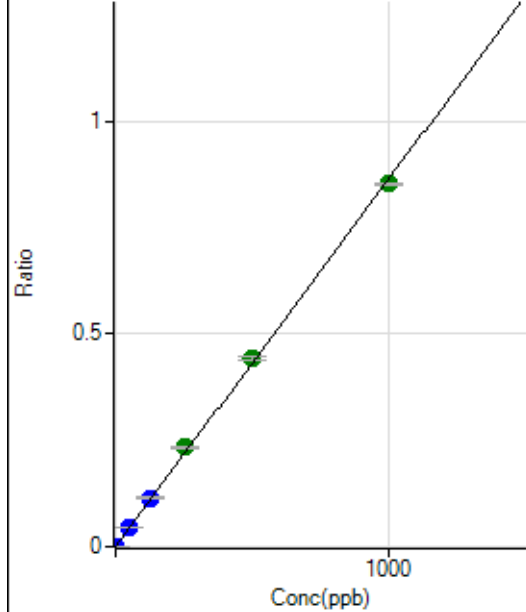
$$R = 0.9997$$

$$DL = 0.05136$$

$$BEC = 0.1316$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	69.45	0.0000	P	27.5
2	☐	0.200					
3	☐	2.000	1.908	14945.03	0.0017	P	2.0
4	☐	50.000	52.968	429308.04	0.0458	P	0.5
5	☐	125.000	133.372	1051318.08	0.1152	P	0.7
6	☐	250.000	269.903	2147185.83	0.2332	A	2.1
7	☐	500.000	511.986	4283484.47	0.4423	A	1.6
8	☐	1000.000	987.837	8977681.97	0.8533	A	0.6
9	☐			21092.39	0.0021	P	2.6

$$y = 8.6382\text{E-}004 * x + 7.6775\text{E-}006$$

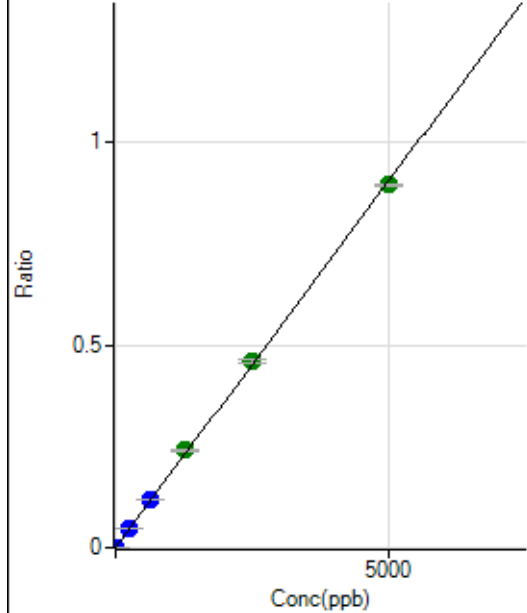
$$R = 0.9997$$

$$DL = 0.007332$$

$$BEC = 0.008888$$

Weight: <None>

Min Conc: 0

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

	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	41.67	0.0000	P	37.1
2	☐	1.000					
3	☐	10.000	9.425	15440.14	0.0017	P	3.1
4	☐	250.000	263.728	447765.57	0.0477	P	0.8
5	☐	625.000	658.453	1087317.56	0.1192	P	0.3
6	☐	1250.000	1327.855	2213142.78	0.2403	A	1.5
7	☐	2500.000	2550.449	4469517.50	0.4615	A	2.4
8	☐	5000.000	4950.445	9425190.40	0.8959	A	0.5
9	☐			3081.08	0.0003	P	6.1

$$y = 1.8096E-004 * x + 4.6318E-006$$

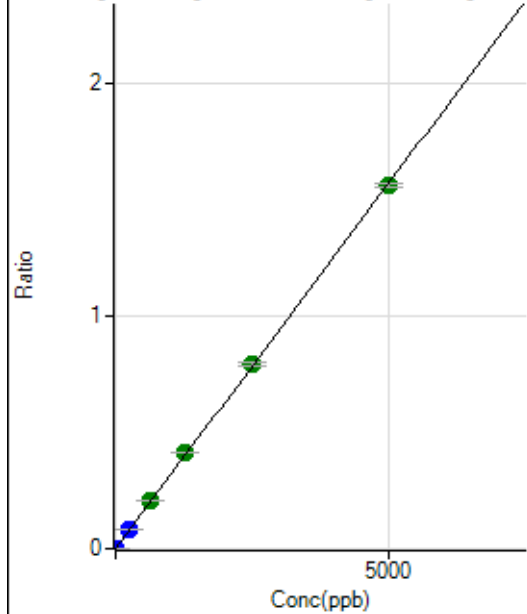
$$R = 0.9998$$

$$DL = 0.0285$$

$$BEC = 0.0256$$

Weight: <None>

Min Conc: 0

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

	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	80.56	0.0000	P	24.0
2	☐	1.000					
3	☐	10.000	9.343	26599.97	0.0029	P	2.3
4	☐	250.000	264.191	779427.54	0.0831	P	0.9
5	☐	625.000	667.533	1915430.92	0.2099	A	0.6
6	☐	1250.000	1316.925	3814072.18	0.4141	A	1.4
7	☐	2500.000	2517.910	7667918.66	0.7918	A	2.0
8	☐	5000.000	4968.289	16436199.33	1.5623	A	1.0
9	☐			5415.25	0.0005	P	6.2

$$y = 3.1445E-004 * x + 8.9399E-006$$

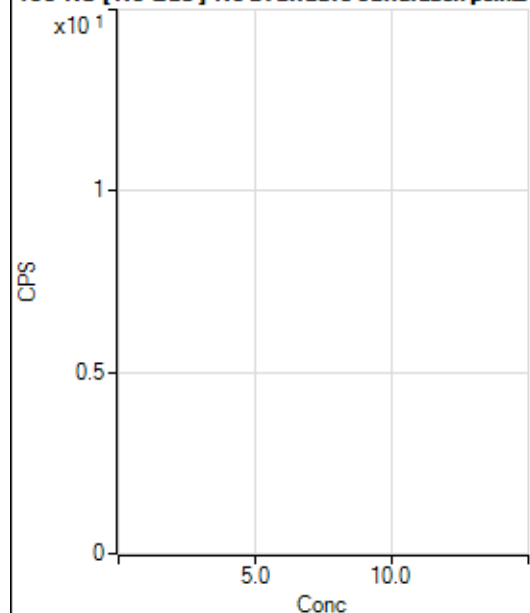
$$R = 0.9999$$

$$DL = 0.02048$$

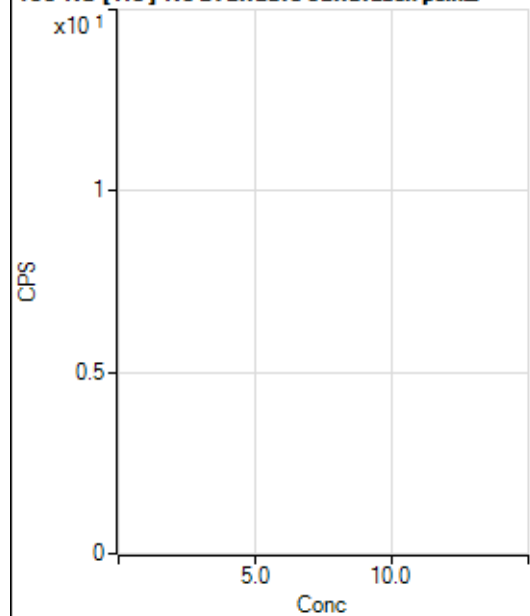
$$BEC = 0.02843$$

Weight: <None>

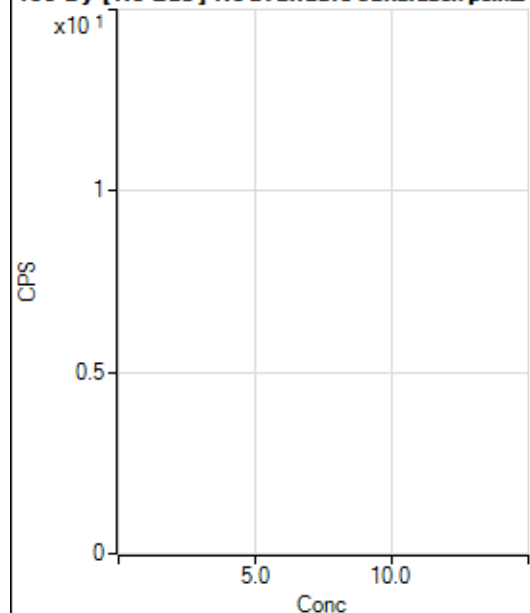
Min Conc: 0

150 Nd [No Gas] No available calibration points

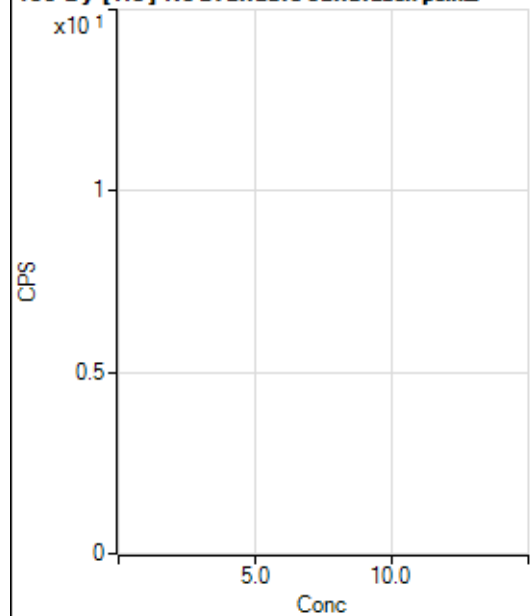
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			6.67		P	173.2
2	☐						
3	☐			13.33		P	50.0
4	☐			35.56		P	28.6
5	☐			84.45		P	24.1
6	☐			77.78		P	13.1
7	☐			135.56		P	31.2
8	☐			311.13		P	19.2
9	☐			102.23		P	18.8

150 Nd [He] No available calibration points

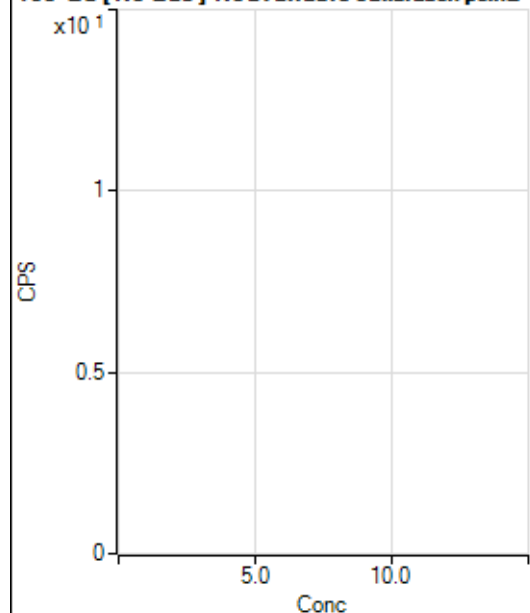
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			0.00		P	
2	☐						
3	☐			0.00		P	
4	☐			2.22		P	86.6
5	☐			2.22		P	173.2
6	☐			1.11		P	173.2
7	☐			3.33		P	100.1
8	☐			4.44		P	43.4
9	☐			15.55		P	24.8

156 Dy [No Gas] No available calibration points

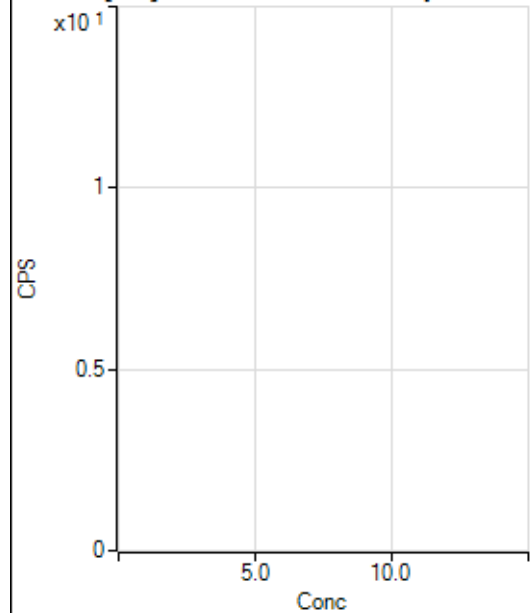
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			13.89		P	124.9
2	☐						
3	☐			16.67		P	86.6
4	☐			38.89		P	44.6
5	☐			27.78		P	34.6
6	☐			61.11		P	15.7
7	☐			63.89		P	27.2
8	☐			152.78		P	6.3
9	☐			55.56		P	22.9

156 Dy [He] No available calibration points

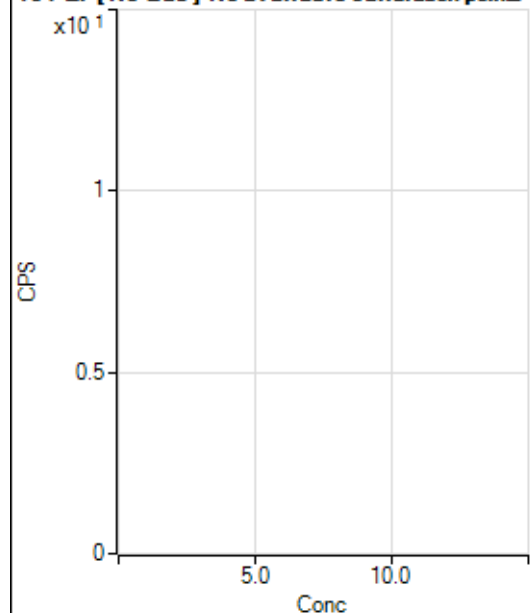
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			3.33		P	100.1
2	☐						
3	☐			0.00		P	
4	☐			1.11		P	173.2
5	☐			2.22		P	173.2
6	☐			7.78		P	49.5
7	☐			7.78		P	89.2
8	☐			14.44		P	35.3
9	☐			7.78		P	65.5

160 Gd [No Gas] Noavailable calibration poin_

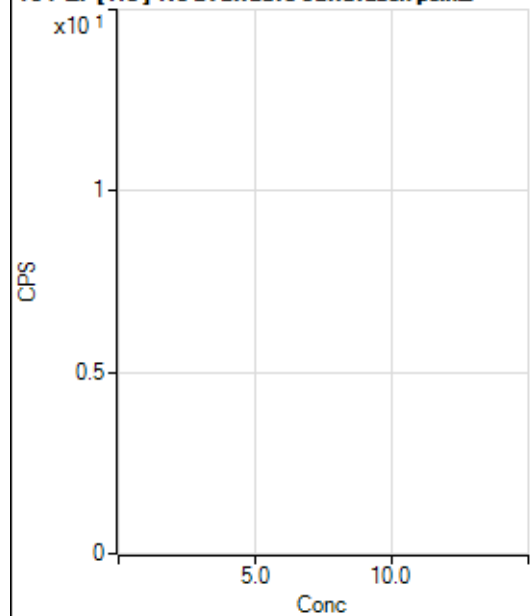
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			75.01		P	19.2
2	☐						
3	☐			72.23		P	69.6
4	☐			63.89		P	49.4
5	☐			61.12		P	7.9
6	☐			111.12		P	58.3
7	☐			113.89		P	15.2
8	☐			147.23		P	42.9
9	☐			86.11		P	22.4

160 Gd [He] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			13.34		P	43.3
2	☐						
3	☐			13.33		P	43.3
4	☐			13.33		P	43.3
5	☐			11.11		P	62.5
6	☐			8.89		P	21.6
7	☐			21.11		P	39.7
8	☐			23.33		P	103.0
9	☐			22.22		P	22.9

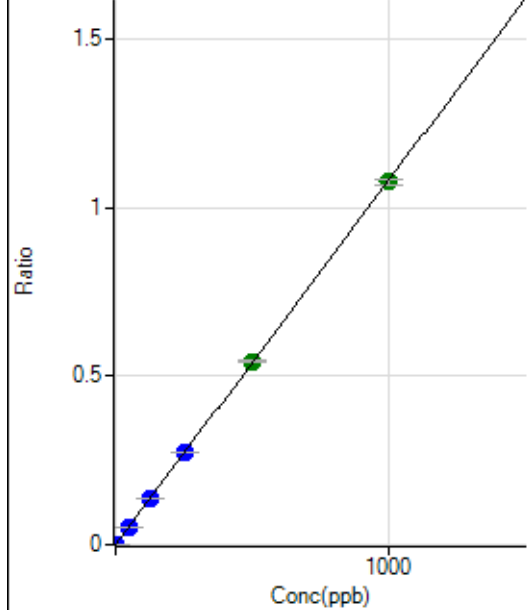
164 Er [No Gas] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			36.11		P	53.3
2	☐						
3	☐			63.89		P	39.8
4	☐			38.89		P	32.7
5	☐			44.45		P	10.8
6	☐			41.67		P	20.0
7	☐			52.78		P	18.2
8	☐			63.89		P	19.9
9	☐			80.56		P	36.3

164 Er [He] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			6.67		P	50.0
2	☐						
3	☐			6.67		P	100.0
4	☐			5.55		P	124.9
5	☐			6.67		P	132.3
6	☐			11.11		P	17.3
7	☐			7.78		P	49.5
8	☐			8.89		P	108.3
9	☐			4.44		P	43.4

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	216.68	0.0000	P	18.9
2	☐	0.100					
3	☐	1.000	0.865	5029.02	0.0010	P	2.3
4	☐	50.000	49.668	290308.66	0.0537	P	0.9
5	☐	125.000	126.446	714592.32	0.1366	P	1.2
6	☐	250.000	255.344	1460081.76	0.2758	P	0.6
7	☐	500.000	503.717	3053690.76	0.5440	A	0.7
8	☐	1000.000	996.642	6652379.62	1.0764	A	1.3
9	☐			2530.91	0.0004	P	9.1

$$y = 0.0011 * x + 4.1442E-005$$

$$R = 1.0000$$

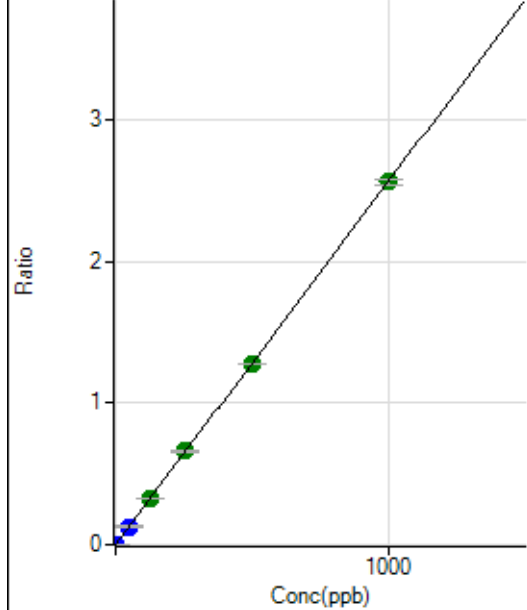
$$DL = 0.02171$$

$$BEC = 0.03837$$

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	463.92	0.0001	P	13.8
2	☐	0.100					
3	☐	1.000	0.902	12373.24	0.0024	P	1.9
4	☐	50.000	50.090	694850.91	0.1285	P	1.3
5	☐	125.000	127.088	1704648.37	0.3259	A	1.2
6	☐	250.000	257.310	3492039.96	0.6597	A	0.9
7	☐	500.000	498.992	7180112.14	1.2792	A	0.4
8	☐	1000.000	998.411	15817082.13	2.5593	A	1.7
9	☐			6054.52	0.0011	P	1.5

$$y = 0.0026 * x + 8.8584E-005$$

$$R = 1.0000$$

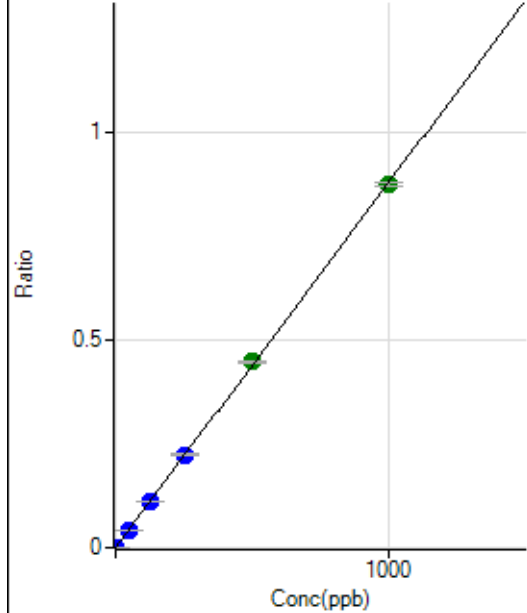
$$DL = 0.01434$$

$$BEC = 0.03456$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	585.22	0.0001	P	6.2
2	☐	0.100					
3	☐	1.000	1.009	5134.53	0.0010	P	1.6
4	☐	50.000	49.462	235170.18	0.0435	P	0.8
5	☐	125.000	124.745	572821.35	0.1095	P	1.5
6	☐	250.000	254.269	1180929.06	0.2231	P	1.1
7	☐	500.000	509.007	2505964.61	0.4465	A	0.8
8	☐	1000.000	994.488	5390539.53	0.8722	A	1.0
9	☐			8996.05	0.0016	P	2.9

$$y = 8.7691\text{E-}004 * x + 1.1156\text{E-}004$$

$$R = 0.9999$$

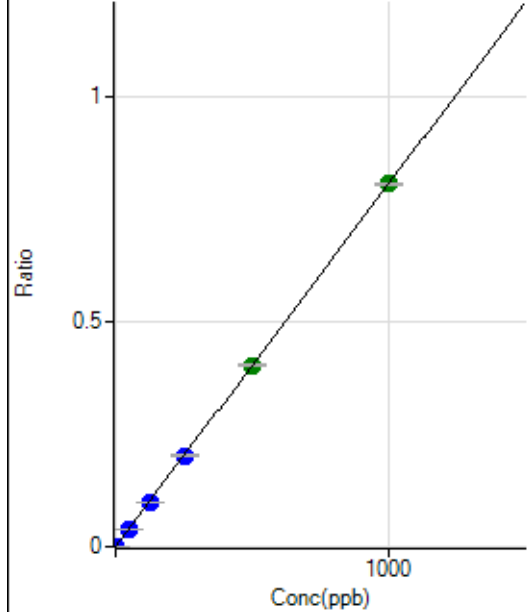
$$DL = 0.02377$$

$$BEC = 0.1272$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	544.47	0.0001	P	4.6
2	☐	0.100					
3	☐	1.000	0.962	4526.89	0.0009	P	1.6
4	☐	50.000	48.721	212704.40	0.0393	P	1.1
5	☐	125.000	122.284	515592.61	0.0986	P	1.7
6	☐	250.000	250.140	1066632.06	0.2015	P	2.1
7	☐	500.000	499.993	2260043.93	0.4027	A	1.4
8	☐	1000.000	1000.372	4979122.16	0.8056	A	0.3
9	☐			7459.82	0.0013	P	3.2

$$y = 8.0516\text{E-}004 * x + 1.0373\text{E-}004$$

$$R = 1.0000$$

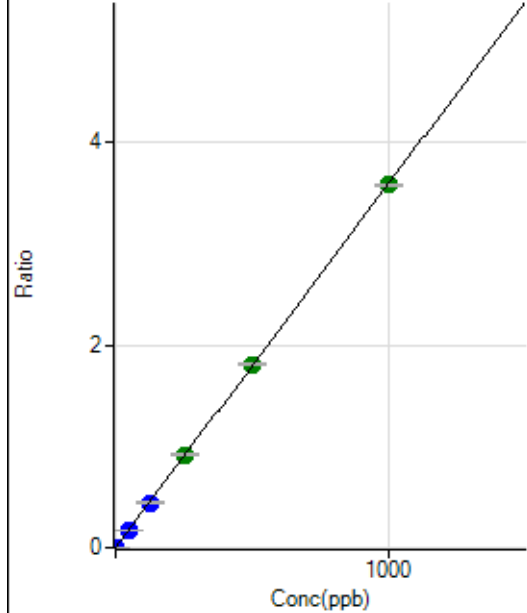
$$DL = 0.01784$$

$$BEC = 0.1288$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	2407.57	0.0005	P	4.5
2	☐	0.100					
3	☐	1.000	0.981	20505.25	0.0040	P	0.8
4	☐	50.000	49.012	953860.52	0.1764	P	0.6
5	☐	125.000	123.930	2329356.36	0.4453	P	1.4
6	☐	250.000	254.989	4847238.81	0.9157	A	1.7
7	☐	500.000	503.835	10152839.10	1.8089	A	0.9
8	☐	1000.000	997.018	22120799.22	3.5791	A	0.6
9	☐			35158.98	0.0062	P	1.2

$$y = 0.0036 * x + 4.5895E-004$$

$$R = 1.0000$$

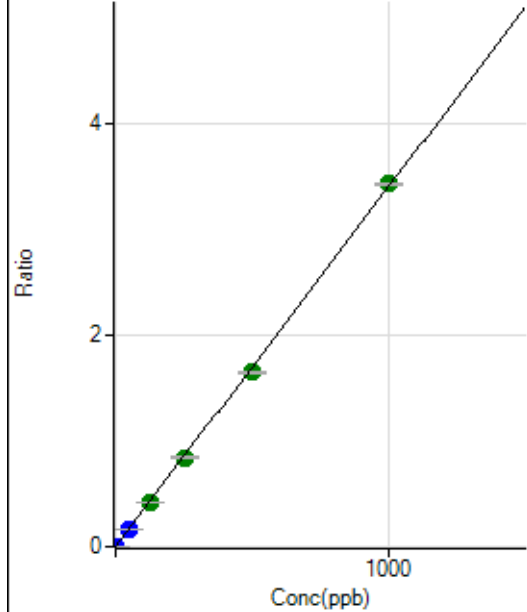
$$DL = 0.01743$$

$$BEC = 0.1279$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	75.00	0.0000	P	30.3
2	☐	0.100					
3	☐	1.000	0.866	15271.26	0.0030	P	0.4
4	☐	50.000	47.356	872056.29	0.1613	P	1.0
5	☐	125.000	122.370	2179688.07	0.4167	A	1.3
6	☐	250.000	248.328	4475942.94	0.8455	A	1.1
7	☐	500.000	484.742	9263925.73	1.6505	A	0.8
8	☐	1000.000	1008.508	21223424.09	3.4338	A	0.7
9	☐			2164.18	0.0004	P	12.2

$$y = 0.0034 * x + 1.4185E-005$$

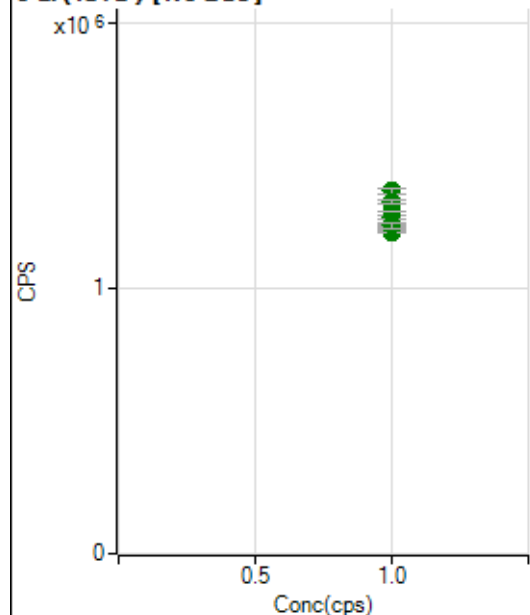
$$R = 0.9998$$

$$DL = 0.003784$$

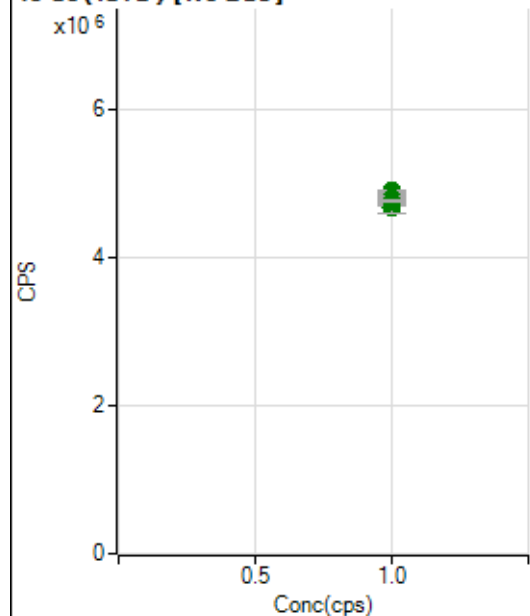
$$BEC = 0.004166$$

Weight: <None>

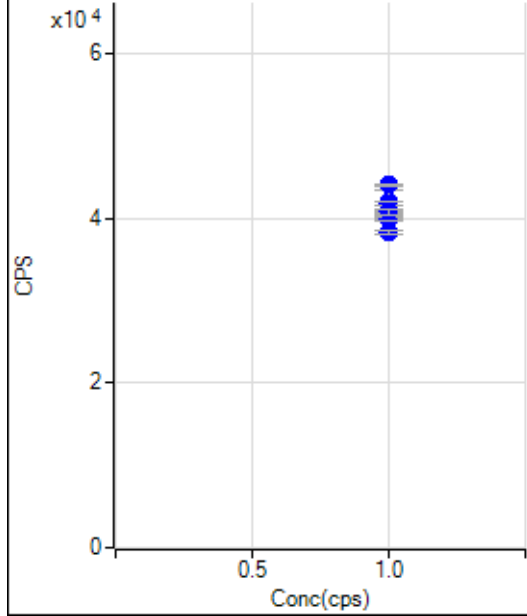
Min Conc: 0

6 Li (ISTD) [No Gas]

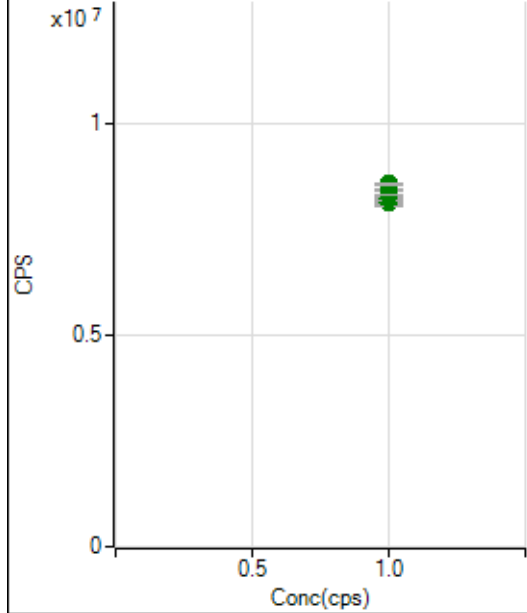
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	1.000		1224772.26		A	2.2
2	☐	1.000					
3	☐	1.000		1223830.59		A	1.4
4	☐	1.000		1268617.28		A	1.2
5	☐	1.000		1207537.24		A	0.4
6	☐	1.000		1234388.10		A	1.7
7	☐	1.000		1290215.06		A	0.2
8	☐	1.000		1365297.15		A	1.4
9	☐	1.000		1323607.85		A	1.3

45 Sc (ISTD) [No Gas]

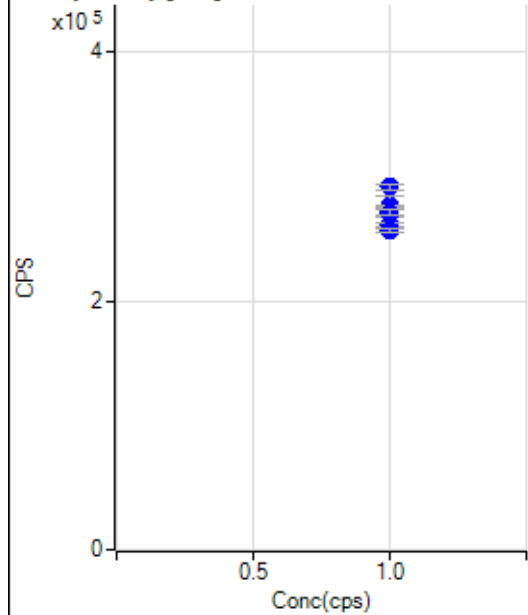
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	1.000		4789352.88		A	3.1
2	☐	1.000					
3	☐	1.000		4804932.49		A	0.7
4	☐	1.000		4900707.36		A	0.8
5	☐	1.000		4728243.20		A	0.7
6	☐	1.000		4672135.87		A	2.7
7	☐	1.000		4745178.79		A	1.5
8	☐	1.000		4805966.55		A	0.5
9	☐	1.000		4755357.05		A	0.6

45 Sc (ISTD) [He]

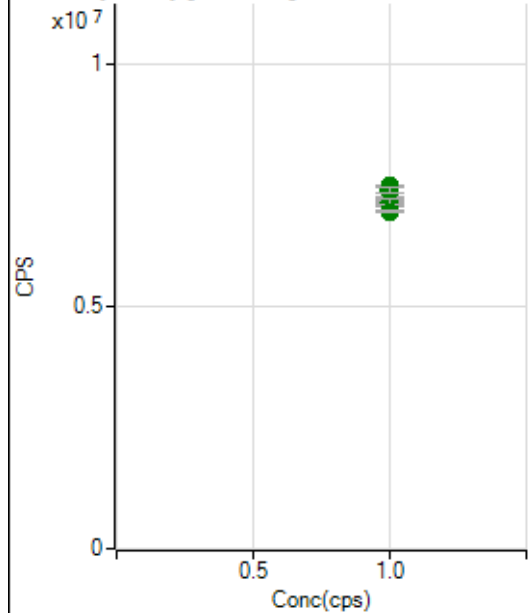
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	1.000		40384.71		P	2.4
2	☐	1.000					
3	☐	1.000		42047.93		P	6.3
4	☐	1.000		44041.14		P	0.7
5	☐	1.000		41045.56		P	2.4
6	☐	1.000		41754.19		P	0.8
7	☐	1.000		39833.17		P	1.1
8	☐	1.000		38390.27		P	1.2
9	☐	1.000		40750.20		P	1.6

89 Y (ISTD) [No Gas]

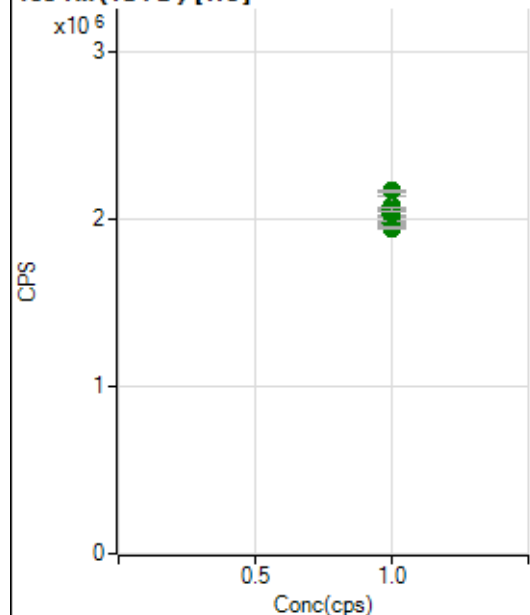
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	1.000		8295262.10		A	3.8
2	☐	1.000					
3	☐	1.000		8189567.87		A	1.5
4	☐	1.000		8419257.51		A	0.2
5	☐	1.000		8156335.30		A	0.6
6	☐	1.000		8140359.12		A	2.4
7	☐	1.000		8232746.41		A	1.4
8	☐	1.000		8590280.57		A	0.5
9	☐	1.000		8337042.31		A	0.1

89 Y(ISTD) [He]

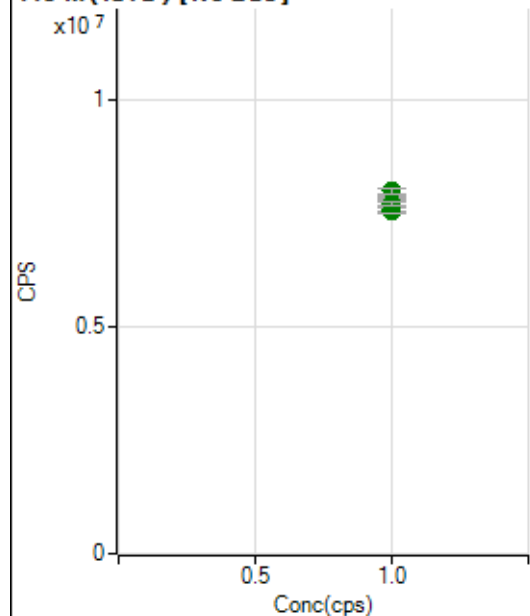
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	1.000		270674.92		P	2.5
2	☐	1.000					
3	☐	1.000		276304.99		P	5.3
4	☐	1.000		291412.89		P	1.3
5	☐	1.000		271179.97		P	3.0
6	☐	1.000		275456.82		P	0.4
7	☐	1.000		260747.93		P	0.9
8	☐	1.000		256344.76		P	0.8
9	☐	1.000		270808.67		P	1.4

103 Rh(ISTD) [No Gas]

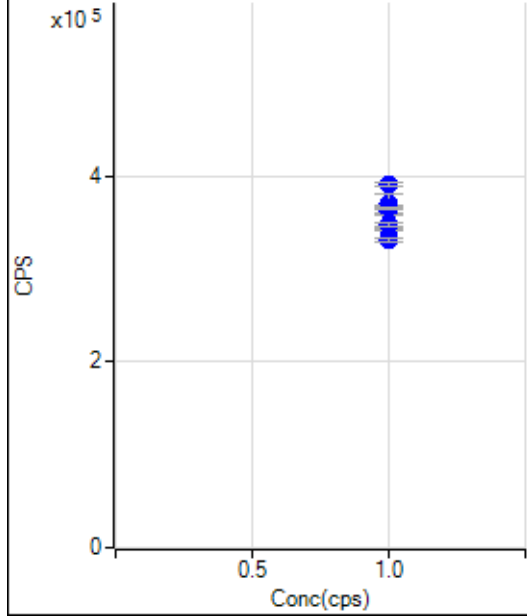
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	1.000		7372345.91		A	3.2
2	☐	1.000					
3	☐	1.000		7252289.14		A	0.7
4	☐	1.000		7493987.84		A	0.5
5	☐	1.000		7155577.59		A	0.7
6	☐	1.000		7152720.47		A	1.8
7	☐	1.000		7168496.77		A	1.8
8	☐	1.000		7415954.16		A	1.7
9	☐	1.000		6962455.11		A	0.4

103 Rh (ISTD) [He]

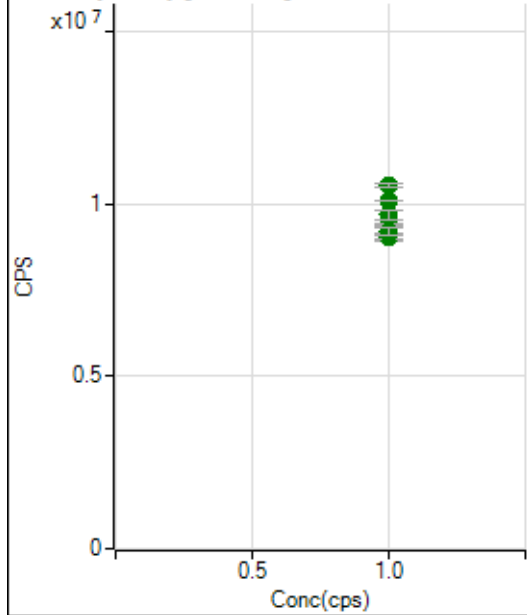
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	1.000		2029255.72		A	2.1
2	☐	1.000					
3	☐	1.000		2076378.84		A	5.3
4	☐	1.000		2165626.74		A	0.3
5	☐	1.000		2021115.09		A	3.1
6	☐	1.000		2053679.20		A	0.9
7	☐	1.000		1972532.10		A	0.4
8	☐	1.000		1971450.33		A	1.8
9	☐	1.000		1944342.46		A	0.4

115 In (ISTD) [No Gas]

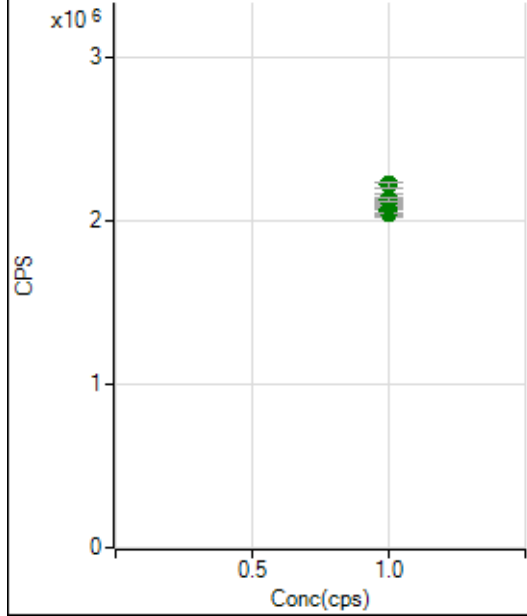
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	1.000		7753757.14		A	2.9
2	☐	1.000					
3	☐	1.000		7651419.14		A	0.8
4	☐	1.000		7860246.34		A	0.9
5	☐	1.000		7593536.40		A	1.1
6	☐	1.000		7550015.55		A	1.6
7	☐	1.000		7720278.51		A	2.0
8	☐	1.000		7992839.32		A	1.6
9	☐	1.000		7710026.15		A	0.7

115 In (ISTD) [He]

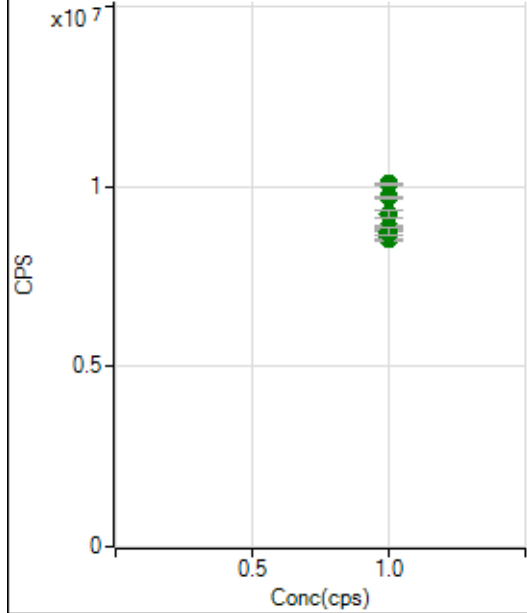
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	1.000		362809.12		P	2.7
2	☐	1.000					
3	☐	1.000		369896.64		P	5.4
4	☐	1.000		390519.91		P	1.0
5	☐	1.000		362302.51		P	2.9
6	☐	1.000		365801.69		P	0.7
7	☐	1.000		341966.66		P	0.9
8	☐	1.000		331158.98		P	0.7
9	☐	1.000		348396.12		P	1.2

159 Tb (ISTD) [No Gas]

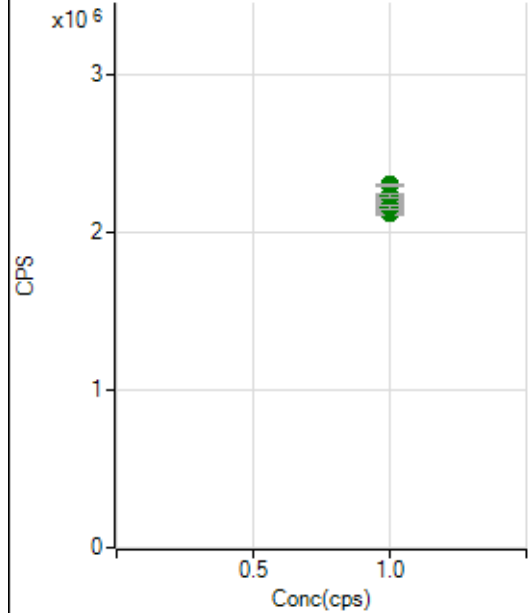
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	1.000		9045120.21		A	2.4
2	☐	1.000					
3	☐	1.000		9026285.70		A	1.1
4	☐	1.000		9381498.75		A	0.7
5	☐	1.000		9124819.80		A	0.3
6	☐	1.000		9211870.56		A	2.1
7	☐	1.000		9687901.87		A	2.7
8	☐	1.000		10521227.90		A	1.0
9	☐	1.000		10075176.93		A	0.1

159 Tb (ISTD) [He]

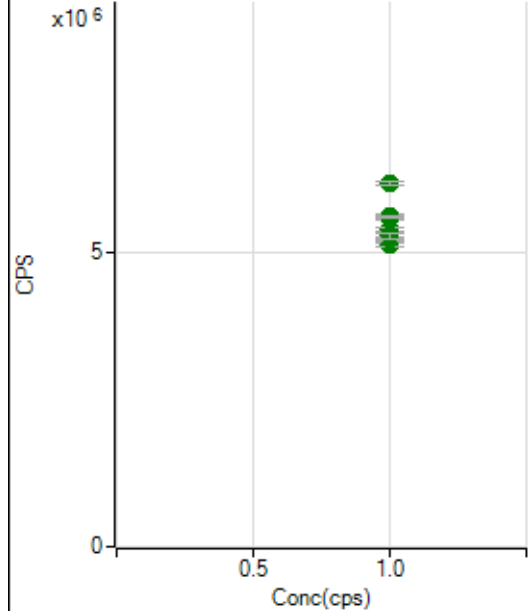
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	1.000		2051254.45		A	2.1
2	☐	1.000					
3	☐	1.000		2101323.94		A	6.2
4	☐	1.000		2223242.80		A	1.4
5	☐	1.000		2077311.77		A	2.7
6	☐	1.000		2128299.66		A	0.6
7	☐	1.000		2067399.41		A	1.2
8	☐	1.000		2095707.99		A	0.3
9	☐	1.000		2135456.37		A	0.8

165 Ho (ISTD) [No Gas]

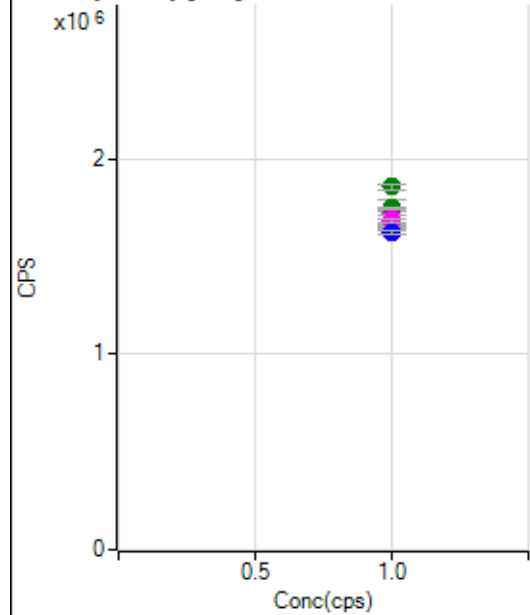
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	1.000		8623516.08		A	3.0
2	☐	1.000					
3	☐	1.000		8533006.79		A	0.7
4	☐	1.000		8868347.85		A	0.7
5	☐	1.000		8709329.97		A	1.2
6	☐	1.000		8763771.20		A	2.8
7	☐	1.000		9247229.46		A	2.1
8	☐	1.000		10079453.35		A	0.8
9	☐	1.000		9700015.84		A	1.0

165 Ho (ISTD) [He]

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	1.000		2122463.34		A	1.4
2	☐	1.000					
3	☐	1.000		2170289.95		A	5.5
4	☐	1.000		2302627.83		A	0.7
5	☐	1.000		2155023.82		A	2.4
6	☐	1.000		2201529.06		A	0.2
7	☐	1.000		2154899.55		A	1.0
8	☐	1.000		2158716.60		A	1.3
9	☐	1.000		2230300.23		A	0.9

209 Bi (ISTD) [No Gas]

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	1.000		5251241.31		A	3.5
2	☐	1.000					
3	☐	1.000		5153061.17		A	1.1
4	☐	1.000		5408190.79		A	0.7
5	☐	1.000		5231793.85		A	1.2
6	☐	1.000		5294202.28		A	1.6
7	☐	1.000		5613465.54		A	2.0
8	☐	1.000		6180891.09		A	1.1
9	☐	1.000		5632861.93		A	0.6

209 Bi (ISTD) [He]

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	1.000		1664301.14		M	3.0
2	☐	1.000					
3	☐	1.000		1726910.65		M	7.0
4	☐	1.000		1857015.62		A	1.4
5	☐	1.000		1693179.58		M	4.6
6	☐	1.000		1748224.90		A	0.4
7	☐	1.000		1693137.37		M	2.9
8	☐	1.000		1681663.76		M	0.9
9	☐	1.000		1623137.60		P	0.8

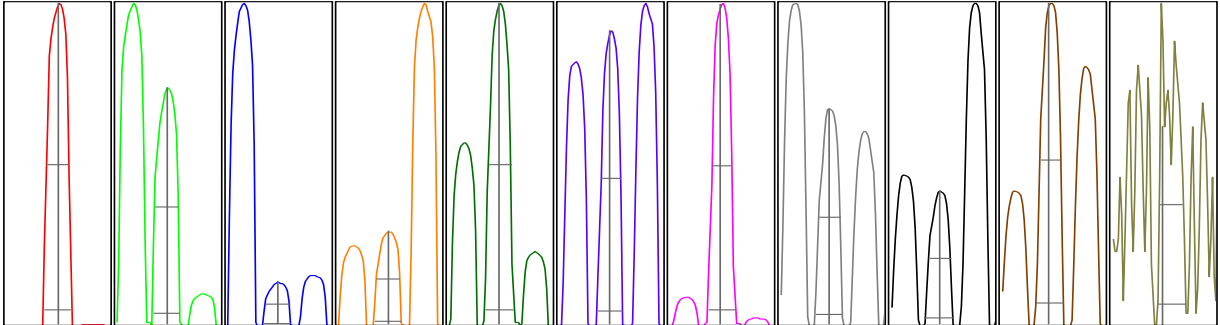
US EPA Tune Check Sample Report

Batch Folder D:\P8091417 MS.b
Report Comment
Instrument Name G8403A JP17141814

[No Gas]				
Mass	Count (Mean)	RSD% (Actual)	RSD% (Required)	RSD% (Flag)
9	9222	0.69	5.00	
24	64524	1.06	5.00	
25	8707	1.10	5.00	
26	10076	1.37	5.00	
59	97471	0.70	5.00	
113	12142	0.36	5.00	
115	154956	0.76	5.00	
206	31032	0.29	5.00	
207	28324	0.38	5.00	
208	66692	0.47	5.00	
220	2	14.49		

Mass	Replicate 1 Count	Replicate 2 Count	Replicate 3 Count	Replicate 4 Count	Replicate 5 Count
9	9269	9284	9247	9139	9168
24	65524	64815	64461	63831	63988
25	8839	8751	8714	8605	8625
26	10283	10125	10067	9937	9967
59	98401	96689	97548	96934	97783
113	12216	12105	12124	12118	12147
115	155645	153486	155813	153872	155965
206	31002	31018	31126	30906	31107
207	28368	28165	28427	28264	28397
208	66775	66187	66899	66624	66976
220	2	2	2	2	1

Integration Time [sec] = 0.1



Mass	Peak Height	Axis (Actual)	Axis (Required)	Axis (Flag)	Width-X% (Actual)	Width-X% (Required)	Width- X% (Flag)
9	14569	9.05	8.9 - 9.1		0.785	0.900	
24	100459	24.00	23.9 - 24.1		0.789	0.900	
25	13473	25.00	24.9 - 25.1		0.790	0.900	
26	15829	26.00	25.9 - 26.1		0.788	0.900	
59	158508	59.00	58.9 - 59.1		0.825	0.900	
113	21681	113.00	112.9 - 113.1		0.730	0.900	
115	268755	115.00	114.9 - 115.1		0.776	0.900	
206	53618	205.95	205.9 - 206.1		0.782	0.900	
207	47993	206.95	206.9 - 207.1		0.782	0.900	
208	115199	207.90	207.9 - 208.1		0.784	0.900	
220	2	220.00	-		0.800		

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	9.9	V	Deflect	13.4	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	12672	4.07	
89	2677	4.00	
205	17499	3.88	

Mass	Replicate 1 Count	Replicate 2 Count	Replicate 3 Count	Replicate 4 Count	Replicate 5 Count
59	12799	13114	12574	11830	13041
89	2704	2766	2652	2504	2759
205	17637	18075	17232	16463	18087

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	9.9	V	Deflect	2.2	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 :	LB90073	Operator :	Jaswal
Lab Sample ID :	S00	Instrumnet Name :	P8
Client Sample ID :	S00	Dilution Factor :	1
Date & Time Acquired ::	2017-09-14 11:21:21	DataFile Name :	003CALB_P8091417 MS

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	-3.41	4.34	-0.93	0.00	N/A	ppb
Antimony	121-1	0.00	0.00	0.00	0.00	N/A	ppb
Arsenic	75-2	0.01	-0.02	0.01	0.00	N/A	ppb
Barium	135-1	-0.01	0.01	-0.01	0.00	N/A	ppb
Barium	137-1	-0.01	0.01	0.00	0.00	N/A	ppb
Beryllium	9-1	0.03	-0.03	0.00	0.00	N/A	ppb
Bismuth	209-1				100		%
Bismuth	209-2				100		%
Boron	10-1	0.05	-0.06	0.01	0.00	N/A	ppb
Boron	11-1	0.01	0.08	-0.09	0.00	N/A	ppb
Cadmium	111-1	0.01	-0.02	0.01	0.00	N/A	ppb
Cadmium	106-1	0.05	-0.24	0.19	0.00	N/A	ppb
Cadmium	108-1	0.01	-0.02	0.01	0.00	N/A	ppb
Calcium	43-1	-1.47	5.95	-4.48	0.00	N/A	ppb
Calcium	44-1	-1.24	0.86	0.38	0.00	N/A	ppb
Chromium	52-2	-0.05	0.03	0.02	0.00	N/A	ppb
Cobalt	59-2	0.00	0.00	0.00	0.00	N/A	ppb
Copper	63-2	0.00	0.02	-0.02	0.00	N/A	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				100		%
Holmium	165-2				100		%
Indium	115-1				100		%
Indium	115-2				100		%
Iron	56-2	0.40	-0.36	-0.05	0.00	N/A	ppb
Iron	57-2	1.02	-0.66	-0.36	0.00	N/A	ppb
Lead	206-1	0.00	0.01	-0.01	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	0.39	-0.73	0.34	0.00	N/A	ppb
Manganese	55-2	-0.03	-0.02	0.05	0.00	N/A	ppb

LB Number :	LB90073	Operator :	Jaswal
Lab Sample ID :	S00	Instrumnet Name :	P8
Client Sample ID :	S00	Dilution Factor :	1
Date & Time Acquired ::	2017-09-14 11:21:21	DataFile Name :	003CALB_P8091417 MS

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Molybdenum	94-1	-0.01	0.01	0.00	0.00	N/A	ppb
Molybdenum	95-1	0.00	0.00	0.01	0.00	N/A	ppb
Molybdenum	96-1	0.00	0.00	0.00	0.00	N/A	ppb
Molybdenum	97-1	-0.01	0.00	0.01	0.00	N/A	ppb
Molybdenum	98-1	0.00	0.00	-0.01	0.00	N/A	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	-0.01	-0.03	0.04	0.00	N/A	ppb
Phosphorus	31-2	-8.65	-8.65	9.27	-2.68		ppb
Potassium	39-2	6.61	-3.39	-3.22	0.00	N/A	ppb
Rhodium	103-1				100		%
Rhodium	103-2				100		%
Scandium	45-1				100		%
Scandium	45-2				100		%
Selenium	77-2	-1.50	-1.50	3.01	0.00	N/A	ppb
Selenium	78-2	-0.48	0.26	0.21	0.00	N/A	ppb
Selenium	82-1	0.15	-0.24	0.09	0.00	N/A	ppb
Silicon	28-1	-2.82	2.54	0.27	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	6.28	0.86	-7.14	0.00	N/A	ppb
Strontium	86-1	0.01	-0.04	0.03	0.00	N/A	ppb
Strontium	88-1	0.00	0.00	0.00	0.00	N/A	ppb
Sulfur	34-1	-637.94	105.33	-389.18	-307.26		ppb
Terbium	159-1				100		%
Terbium	159-2				100		%
Thallium	203-1	-0.01	0.01	0.00	0.00	N/A	ppb
Thallium	205-1	0.00	0.01	0.00	0.00	N/A	ppb
Tin	118-1	0.01	-0.02	0.01	0.00	N/A	ppb
Titanium	47-1	-0.03	0.04	-0.01	0.00	N/A	ppb
Uranium	238-1	0.00	0.00	0.00	0.00	N/A	ppb
Vanadium	51-2	0.00	0.01	-0.01	0.00	N/A	ppb
Yttrium	89-1				100		%
Yttrium	89-2				100		%
Zinc	66-2	-0.01	-0.02	0.04	0.00	N/A	ppb
Zirconium	90-1	-0.01	0.00	0.00	0.00	N/A	ppb

LB Number :	LB90073	Operator :	Jaswal
Lab Sample ID :	S00	Instrumnet Name :	P8
Client Sample ID :	S00	Dilution Factor :	1
Date & Time Acquired ::	2017-09-14 11:21:21	DataFile Name :	003CALB_P8091417 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 :	LB90073	Operator :	Jaswal
Lab Sample ID :	S02	Instrumnet Name :	P8
Client Sample ID :	S02	Dilution Factor :	1
Date & Time Acquired ::	2017-09-14 11:28:31	DataFile Name :	005CALS_P8091417 MS

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	9.79	16.85	23.52	16.72	41.08	ppb
Antimony	121-1	1.92	1.87	1.94	1.91	2.04	ppb
Arsenic	75-2	0.81	0.74	0.96	0.84	13.74	ppb
Barium	135-1	9.51	9.67	9.10	9.43	3.09	ppb
Barium	137-1	9.11	9.37	9.55	9.34	2.36	ppb
Beryllium	9-1	1.04	0.95	1.00	1.00	4.57	ppb
Bismuth	209-1				98		%
Bismuth	209-2				104		%
Boron	10-1	21.60	23.57	23.92	23.03	5.44	ppb
Boron	11-1	21.37	22.25	22.91	22.18	3.48	ppb
Cadmium	111-1	0.95	0.92	0.93	0.93	1.77	ppb
Cadmium	106-1	0.46	0.43	-0.72	0.06	1191.20	ppb
Cadmium	108-1	1.27	1.35	1.02	1.21	14.25	ppb
Calcium	43-1	426.09	431.75	443.41	433.75	2.04	ppb
Calcium	44-1	429.58	433.66	436.29	433.18	0.78	ppb
Chromium	52-2	1.92	1.89	2.17	1.99	7.85	ppb
Cobalt	59-2	0.94	0.84	1.02	0.94	9.42	ppb
Copper	63-2	1.96	1.87	2.10	1.98	6.05	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				99		%
Holmium	165-2				102		%
Indium	115-1				99		%
Indium	115-2				102		%
Iron	56-2	44.88	43.49	50.50	46.29	8.01	ppb
Iron	57-2	49.95	46.26	51.65	49.29	5.60	ppb
Lead	206-1	1.03	0.99	1.01	1.01	1.81	ppb
Lead	207-1	0.95	0.98	0.96	0.96	1.83	ppb
Lead	208-1	0.97	0.98	0.99	0.98	0.92	ppb
Lithium	6-1				100		%
Magnesium	24-2	446.77	426.93	492.25	455.32	7.36	ppb
Manganese	55-2	0.99	0.83	0.71	0.84	16.31	ppb

LB Number :	LB90073	Operator :	Jaswal
Lab Sample ID :	S02	Instrumnet Name :	P8
Client Sample ID :	S02	Dilution Factor :	1
Date & Time Acquired ::	2017-09-14 11:28:31	DataFile Name :	005CAL5_P8091417 MS

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Molybdenum	94-1	1.92	1.87	1.92	1.90	1.36	ppb
Molybdenum	95-1	4.27	4.11	4.37	4.25	3.12	ppb
Molybdenum	96-1	3.96	3.63	3.84	3.81	4.41	ppb
Molybdenum	97-1	4.53	4.38	4.45	4.46	1.68	ppb
Molybdenum	98-1	4.44	4.30	4.46	4.40	1.98	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.96	1.05	1.17	1.06	10.19	ppb
Phosphorus	31-2	8.42	8.27	-8.65	2.68	366.46	ppb
Potassium	39-2	451.23	400.28	535.15	462.22	14.73	ppb
Rhodium	103-1				98		%
Rhodium	103-2				102		%
Scandium	45-1				100		%
Scandium	45-2				104		%
Selenium	77-2	-1.50	7.30	3.32	3.04	145.12	ppb
Selenium	78-2	3.84	5.34	0.37	3.18	80.11	ppb
Selenium	82-1	4.55	3.28	4.35	4.06	16.88	ppb
Silicon	28-1	15.39	17.88	17.90	17.05	8.46	ppb
Silver	109-1	1.19	1.11	1.14	1.15	3.58	ppb
Silver	107-1	1.21	1.17	1.19	1.19	1.62	ppb
Sodium	23-2	426.01	438.35	501.47	455.28	8.89	ppb
Strontium	86-1	1.05	0.92	1.11	1.03	9.07	ppb
Strontium	88-1	1.01	0.96	0.99	0.98	2.59	ppb
Sulfur	34-1	298.30	189.86	433.63	307.26	39.75	ppb
Terbium	159-1				100		%
Terbium	159-2				102		%
Thallium	203-1	0.85	0.85	0.89	0.87	2.42	ppb
Thallium	205-1	0.89	0.89	0.92	0.90	1.99	ppb
Tin	118-1	4.69	4.57	4.84	4.70	2.84	ppb
Titanium	47-1	4.49	4.11	4.57	4.39	5.65	ppb
Uranium	238-1	0.86	0.87	0.87	0.87	0.35	ppb
Vanadium	51-2	4.58	4.14	4.56	4.42	5.64	ppb
Yttrium	89-1				99		%
Yttrium	89-2				102		%
Zinc	66-2	1.92	1.65	2.03	1.87	10.35	ppb
Zirconium	90-1	0.84	0.84	0.86	0.85	1.24	ppb

LB Number :	LB90073	Operator :	Jaswal
Lab Sample ID :	S02	Instrumnet Name :	P8
Client Sample ID :	S02	Dilution Factor :	1
Date & Time Acquired ::	2017-09-14 11:28:31	DataFile Name :	005CALS_P8091417 MS

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	91-1	0.86	0.87	0.85	0.86	0.88	ppb

LB Number :	LB90073	Operator :	Jaswal
Lab Sample ID :	S03	Instrumnet Name :	P8
Client Sample ID :	S03	Dilution Factor :	1
Date & Time Acquired ::	2017-09-14 11:31:58	DataFile Name :	006CAL5_P8091417 MS

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	975.45	932.86	942.18	950.16	2.36	ppb
Antimony	121-1	53.09	53.13	52.68	52.97	0.48	ppb
Arsenic	75-2	51.41	48.78	51.47	50.55	3.03	ppb
Barium	135-1	265.86	263.89	261.43	263.73	0.84	ppb
Barium	137-1	263.35	267.00	262.22	264.19	0.95	ppb
Beryllium	9-1	53.51	54.34	52.00	53.28	2.23	ppb
Bismuth	209-1				103		%
Bismuth	209-2				112		%
Boron	10-1	49.58	51.81	50.35	50.58	2.23	ppb
Boron	11-1	49.37	48.35	50.23	49.32	1.91	ppb
Cadmium	111-1	54.78	54.73	54.16	54.56	0.64	ppb
Cadmium	106-1	56.32	54.39	57.38	56.03	2.70	ppb
Cadmium	108-1	54.27	54.63	55.11	54.67	0.76	ppb
Calcium	43-1	4955.88	4846.78	4881.03	4894.56	1.14	ppb
Calcium	44-1	5021.55	4963.89	4993.51	4992.98	0.58	ppb
Chromium	52-2	48.37	50.04	50.20	49.53	2.04	ppb
Cobalt	59-2	48.39	49.26	48.77	48.80	0.89	ppb
Copper	63-2	97.66	98.87	97.78	98.10	0.68	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				103		%
Holmium	165-2				108		%
Indium	115-1				101		%
Indium	115-2				108		%
Iron	56-2	2546.27	2600.14	2568.19	2571.53	1.05	ppb
Iron	57-2	2498.82	2550.26	2582.58	2543.89	1.66	ppb
Lead	206-1	49.15	49.89	49.34	49.46	0.78	ppb
Lead	207-1	48.81	49.20	48.16	48.72	1.08	ppb
Lead	208-1	49.05	49.28	48.71	49.01	0.58	ppb
Lithium	6-1				104		%
Magnesium	24-2	4914.42	4970.46	4978.57	4954.48	0.71	ppb
Manganese	55-2	98.76	100.36	99.85	99.66	0.82	ppb

LB Number :	LB90073	Operator :	Jaswal
Lab Sample ID :	S03	Instrumnet Name :	P8
Client Sample ID :	S03	Dilution Factor :	1
Date & Time Acquired ::	2017-09-14 11:31:58	DataFile Name :	006CAL5_P8091417 MS

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Molybdenum	94-1	50.28	49.67	49.90	49.95	0.61	ppb
Molybdenum	95-1	49.22	48.70	48.55	48.82	0.72	ppb
Molybdenum	96-1	49.86	48.76	48.73	49.12	1.31	ppb
Molybdenum	97-1	50.48	50.27	49.43	50.06	1.11	ppb
Molybdenum	98-1	50.44	49.97	50.03	50.15	0.51	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	48.99	50.37	50.67	50.01	1.79	ppb
Phosphorus	31-2	876.59	1041.56	1017.81	978.65	9.11	ppb
Potassium	39-2	2506.82	2638.07	2466.29	2537.06	3.54	ppb
Rhodium	103-1				102		%
Rhodium	103-2				107		%
Scandium	45-1				102		%
Scandium	45-2				109		%
Selenium	77-2	62.02	72.18	33.06	55.76	36.41	ppb
Selenium	78-2	54.23	50.45	53.19	52.62	3.71	ppb
Selenium	82-1	51.46	50.96	51.05	51.16	0.52	ppb
Silicon	28-1	68.48	66.10	69.58	68.05	2.62	ppb
Silver	109-1	48.41	48.84	47.91	48.39	0.95	ppb
Silver	107-1	49.13	48.97	49.08	49.06	0.16	ppb
Sodium	23-2	4921.46	4945.04	4922.26	4929.59	0.27	ppb
Strontium	86-1	49.79	51.16	49.74	50.23	1.61	ppb
Strontium	88-1	51.48	51.46	51.42	51.45	0.06	ppb
Sulfur	34-1	1131.09	937.25	1226.27	1098.20	13.41	ppb
Terbium	159-1				104		%
Terbium	159-2				108		%
Thallium	203-1	49.36	50.20	49.44	49.67	0.93	ppb
Thallium	205-1	49.36	50.67	50.24	50.09	1.33	ppb
Tin	118-1	52.94	53.35	52.78	53.02	0.55	ppb
Titanium	47-1	50.78	49.89	52.14	50.94	2.22	ppb
Uranium	238-1	47.75	47.50	46.81	47.36	1.03	ppb
Vanadium	51-2	48.34	50.09	49.60	49.35	1.83	ppb
Yttrium	89-1				101		%
Yttrium	89-2				108		%
Zinc	66-2	101.92	99.64	102.21	101.26	1.39	ppb
Zirconium	90-1	50.79	50.33	50.49	50.54	0.47	ppb

LB Number :	LB90073	Operator :	Jaswal
Lab Sample ID :	S03	Instrumnet Name :	P8
Client Sample ID :	S03	Dilution Factor :	1
Date & Time Acquired ::	2017-09-14 11:31:58	DataFile Name :	006CALS_P8091417 MS

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	91-1	50.78	50.19	49.91	50.29	0.88	ppb

LB Number :	LB90073	Operator :	Jaswal
Lab Sample ID :	S04	Instrumnet Name :	P8
Client Sample ID :	S04	Dilution Factor :	1
Date & Time Acquired ::	2017-09-14 11:35:25	DataFile Name :	007CAL5_P8091417 MS

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	2671.44	2594.66	2518.19	2594.76	2.95	ppb
Antimony	121-1	133.95	132.32	133.85	133.37	0.69	ppb
Arsenic	75-2	133.00	133.07	126.00	130.69	3.11	ppb
Barium	135-1	660.12	659.07	656.17	658.45	0.31	ppb
Barium	137-1	669.82	663.05	669.73	667.53	0.58	ppb
Beryllium	9-1	135.00	134.26	134.90	134.72	0.30	ppb
Bismuth	209-1				100		%
Bismuth	209-2				102		%
Boron	10-1	127.25	129.74	132.42	129.80	1.99	ppb
Boron	11-1	128.62	128.27	130.78	129.22	1.05	ppb
Cadmium	111-1	135.86	136.61	135.55	136.01	0.40	ppb
Cadmium	106-1	138.78	135.53	138.07	137.46	1.24	ppb
Cadmium	108-1	138.07	136.46	137.58	137.37	0.60	ppb
Calcium	43-1	12399.69	12373.19	12342.16	12371.68	0.23	ppb
Calcium	44-1	12411.69	12259.18	12287.89	12319.59	0.66	ppb
Chromium	52-2	129.47	129.30	124.05	127.60	2.42	ppb
Cobalt	59-2	128.72	127.42	122.52	126.22	2.59	ppb
Copper	63-2	258.13	256.08	245.81	253.34	2.60	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				101		%
Holmium	165-2				102		%
Indium	115-1				98		%
Indium	115-2				100		%
Iron	56-2	6735.26	6705.34	6403.47	6614.69	2.77	ppb
Iron	57-2	6756.59	6637.40	6394.22	6596.07	2.80	ppb
Lead	206-1	124.68	122.89	126.66	124.74	1.51	ppb
Lead	207-1	121.48	120.71	124.66	122.28	1.71	ppb
Lead	208-1	124.09	122.18	125.52	123.93	1.35	ppb
Lithium	6-1				99		%
Magnesium	24-2	13213.63	12936.60	12605.27	12918.50	2.36	ppb
Manganese	55-2	266.02	261.05	253.59	260.22	2.41	ppb

LB Number :	LB90073	Operator :	Jaswal
Lab Sample ID :	S04	Instrumnet Name :	P8
Client Sample ID :	S04	Dilution Factor :	1
Date & Time Acquired ::	2017-09-14 11:35:25	DataFile Name :	007CAL5_P8091417 MS

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Molybdenum	94-1	126.20	126.68	126.57	126.48	0.20	ppb
Molybdenum	95-1	123.72	124.94	124.86	124.51	0.55	ppb
Molybdenum	96-1	123.60	123.82	123.78	123.73	0.10	ppb
Molybdenum	97-1	124.48	126.24	124.59	125.10	0.79	ppb
Molybdenum	98-1	124.73	125.02	126.64	125.47	0.82	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	129.79	129.80	125.65	128.42	1.87	ppb
Phosphorus	31-2	2644.19	2880.15	2558.28	2694.21	6.19	ppb
Potassium	39-2	6744.41	6690.57	6391.88	6608.96	2.87	ppb
Rhodium	103-1				97		%
Rhodium	103-2				100		%
Scandium	45-1				99		%
Scandium	45-2				102		%
Selenium	77-2	145.87	128.16	155.09	143.04	9.57	ppb
Selenium	78-2	144.34	142.10	132.71	139.72	4.42	ppb
Selenium	82-1	130.14	130.40	129.98	130.18	0.16	ppb
Silicon	28-1	148.42	143.13	150.30	147.29	2.52	ppb
Silver	109-1	120.92	122.33	120.59	121.28	0.76	ppb
Silver	107-1	122.65	122.48	122.42	122.52	0.10	ppb
Sodium	23-2	13099.41	12948.53	12349.03	12798.99	3.10	ppb
Strontium	86-1	126.32	125.20	125.17	125.56	0.52	ppb
Strontium	88-1	131.49	129.15	129.76	130.13	0.93	ppb
Sulfur	34-1	3446.50	3222.52	3273.31	3314.11	3.54	ppb
Terbium	159-1				101		%
Terbium	159-2				101		%
Thallium	203-1	127.30	124.76	127.28	126.45	1.15	ppb
Thallium	205-1	128.11	125.32	127.83	127.09	1.21	ppb
Tin	118-1	134.17	133.29	133.71	133.72	0.33	ppb
Titanium	47-1	130.27	128.04	127.49	128.60	1.14	ppb
Uranium	238-1	122.06	120.97	124.08	122.37	1.29	ppb
Vanadium	51-2	128.80	129.09	124.06	127.31	2.22	ppb
Yttrium	89-1				98		%
Yttrium	89-2				100		%
Zinc	66-2	263.26	258.10	251.14	257.50	2.36	ppb
Zirconium	90-1	128.66	129.78	127.73	128.72	0.80	ppb

LB Number :	LB90073	Operator :	Jaswal
Lab Sample ID :	S04	Instrumnet Name :	P8
Client Sample ID :	S04	Dilution Factor :	1
Date & Time Acquired ::	2017-09-14 11:35:25	DataFile Name :	007CALS_P8091417 MS

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	91-1	125.93	125.29	126.09	125.77	0.34	ppb

LB Number :	LB90073	Operator :	Jaswal
Lab Sample ID :	S05	Instrumnet Name :	P8
Client Sample ID :	S05	Dilution Factor :	1
Date & Time Acquired ::	2017-09-14 11:38:47	DataFile Name :	008CAL5_P8091417 MS

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	4839.86	4810.27	4998.88	4883.00	2.08	ppb
Antimony	121-1	276.12	268.41	265.17	269.90	2.08	ppb
Arsenic	75-2	246.09	251.70	250.30	249.36	1.17	ppb
Barium	135-1	1350.59	1316.03	1316.94	1327.85	1.48	ppb
Barium	137-1	1338.52	1305.70	1306.55	1316.93	1.42	ppb
Beryllium	9-1	271.62	261.14	266.27	266.35	1.97	ppb
Bismuth	209-1				101		%
Bismuth	209-2				105		%
Boron	10-1	262.40	253.24	255.90	257.18	1.83	ppb
Boron	11-1	261.86	254.67	259.23	258.58	1.41	ppb
Cadmium	111-1	277.98	265.91	266.94	270.27	2.48	ppb
Cadmium	106-1	283.46	279.91	270.83	278.06	2.34	ppb
Cadmium	108-1	276.41	277.74	267.29	273.81	2.08	ppb
Calcium	43-1	25950.29	24435.58	24728.43	25038.10	3.21	ppb
Calcium	44-1	25339.93	24233.53	24247.37	24606.94	2.58	ppb
Chromium	52-2	247.98	243.80	245.67	245.82	0.85	ppb
Cobalt	59-2	245.95	242.62	240.95	243.17	1.05	ppb
Copper	63-2	492.71	488.18	487.77	489.55	0.56	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				102		%
Holmium	165-2				104		%
Indium	115-1				97		%
Indium	115-2				101		%
Iron	56-2	12776.23	12592.01	12531.89	12633.37	1.01	ppb
Iron	57-2	12611.70	12599.28	12594.62	12601.87	0.07	ppb
Lead	206-1	257.49	252.90	252.42	254.27	1.10	ppb
Lead	207-1	256.14	246.77	247.50	250.14	2.08	ppb
Lead	208-1	260.02	251.56	253.40	254.99	1.74	ppb
Lithium	6-1				101		%
Magnesium	24-2	25436.47	24809.87	25116.42	25120.92	1.25	ppb
Manganese	55-2	503.57	496.29	495.40	498.42	0.90	ppb

LB Number :	LB90073	Operator :	Jaswal
Lab Sample ID :	S05	Instrumnet Name :	P8
Client Sample ID :	S05	Dilution Factor :	1
Date & Time Acquired ::	2017-09-14 11:38:47	DataFile Name :	008CAL5_P8091417 MS

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Molybdenum	94-1	264.71	251.15	254.45	256.77	2.75	ppb
Molybdenum	95-1	255.08	245.83	246.11	249.01	2.11	ppb
Molybdenum	96-1	257.29	244.77	244.37	248.81	2.95	ppb
Molybdenum	97-1	260.81	249.13	244.89	251.61	3.28	ppb
Molybdenum	98-1	260.49	252.27	249.25	254.00	2.29	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	249.02	245.30	246.35	246.89	0.78	ppb
Phosphorus	31-2	5455.28	5164.35	4811.31	5143.65	6.27	ppb
Potassium	39-2	12666.24	12724.32	12710.38	12700.31	0.24	ppb
Rhodium	103-1				97		%
Rhodium	103-2				101		%
Scandium	45-1				98		%
Scandium	45-2				103		%
Selenium	77-2	347.38	279.87	254.19	293.81	16.38	ppb
Selenium	78-2	279.31	255.32	246.90	260.51	6.46	ppb
Selenium	82-1	267.95	258.62	254.26	260.28	2.69	ppb
Silicon	28-1	303.36	281.23	287.19	290.59	3.94	ppb
Silver	109-1	256.30	245.67	241.88	247.95	3.02	ppb
Silver	107-1	254.08	247.93	245.30	249.10	1.81	ppb
Sodium	23-2	25495.30	24922.72	25425.01	25281.01	1.24	ppb
Strontium	86-1	260.80	251.42	249.49	253.91	2.38	ppb
Strontium	88-1	262.17	251.95	253.51	255.88	2.15	ppb
Sulfur	34-1	6639.92	5695.21	5456.55	5930.56	10.55	ppb
Terbium	159-1				102		%
Terbium	159-2				104		%
Thallium	203-1	255.94	256.43	253.65	255.34	0.58	ppb
Thallium	205-1	260.13	255.82	255.99	257.31	0.95	ppb
Tin	118-1	273.92	261.26	264.47	266.55	2.47	ppb
Titanium	47-1	270.06	255.44	253.73	259.74	3.46	ppb
Uranium	238-1	251.30	247.40	246.28	248.33	1.06	ppb
Vanadium	51-2	252.11	248.40	244.84	248.45	1.46	ppb
Yttrium	89-1				98		%
Yttrium	89-2				102		%
Zinc	66-2	503.34	491.54	495.07	496.65	1.22	ppb
Zirconium	90-1	260.76	253.58	255.90	256.75	1.43	ppb

LB Number :	LB90073	Operator :	Jaswal
Lab Sample ID :	S05	Instrumnet Name :	P8
Client Sample ID :	S05	Dilution Factor :	1
Date & Time Acquired ::	2017-09-14 11:38:47	DataFile Name :	008CALS_P8091417 MS

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	91-1	260.35	251.22	252.35	254.64	1.95	ppb

LB Number :	LB90073	Operator :	Jaswal
Lab Sample ID :	S06	Instrumnet Name :	P8
Client Sample ID :	S06	Dilution Factor :	1
Date & Time Acquired ::	2017-09-14 11:42:05	DataFile Name :	009CAL5_P8091417 MS

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	9899.21	9674.96	9790.96	9788.38	1.15	ppb
Antimony	121-1	518.67	514.35	502.94	511.99	1.59	ppb
Arsenic	75-2	504.62	504.84	499.03	502.83	0.65	ppb
Barium	135-1	2603.21	2563.24	2484.90	2550.45	2.36	ppb
Barium	137-1	2562.53	2527.35	2463.85	2517.91	1.99	ppb
Beryllium	9-1	495.41	505.13	509.95	503.50	1.47	ppb
Bismuth	209-1				107		%
Bismuth	209-2				102		%
Boron	10-1	489.12	486.49	509.43	495.01	2.54	ppb
Boron	11-1	486.89	496.06	511.32	498.09	2.48	ppb
Cadmium	111-1	517.56	513.69	500.74	510.66	1.73	ppb
Cadmium	106-1	523.02	518.05	506.74	515.94	1.62	ppb
Cadmium	108-1	522.69	515.20	513.08	516.99	0.98	ppb
Calcium	43-1	48787.79	48914.21	47625.93	48442.65	1.47	ppb
Calcium	44-1	48516.11	48456.33	46942.04	47971.49	1.86	ppb
Chromium	52-2	491.79	483.66	489.61	488.35	0.86	ppb
Cobalt	59-2	488.76	486.47	490.33	488.52	0.40	ppb
Copper	63-2	987.09	983.32	1011.48	993.96	1.54	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				107		%
Holmium	165-2				102		%
Indium	115-1				100		%
Indium	115-2				94		%
Iron	56-2	25494.96	25274.39	25583.55	25450.97	0.63	ppb
Iron	57-2	25568.05	25445.39	25397.68	25470.37	0.35	ppb
Lead	206-1	512.44	509.92	504.67	509.01	0.78	ppb
Lead	207-1	501.78	505.85	492.34	499.99	1.39	ppb
Lead	208-1	506.31	506.65	498.55	503.84	0.91	ppb
Lithium	6-1				105		%
Magnesium	24-2	51064.33	51179.66	51089.45	51111.15	0.12	ppb
Manganese	55-2	995.57	987.24	989.20	990.67	0.44	ppb

LB Number :	LB90073	Operator :	Jaswal
Lab Sample ID :	S06	Instrumnet Name :	P8
Client Sample ID :	S06	Dilution Factor :	1
Date & Time Acquired ::	2017-09-14 11:42:05	DataFile Name :	009CAL5_P8091417 MS

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Molybdenum	94-1	505.00	502.00	503.53	503.51	0.30	ppb
Molybdenum	95-1	501.08	503.65	500.84	501.85	0.31	ppb
Molybdenum	96-1	509.49	498.47	495.92	501.29	1.44	ppb
Molybdenum	97-1	501.06	489.90	492.12	494.36	1.19	ppb
Molybdenum	98-1	506.99	499.77	497.71	501.49	0.97	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	491.08	489.73	495.76	492.19	0.64	ppb
Phosphorus	31-2	9079.85	10097.01	10127.45	9768.10	6.10	ppb
Potassium	39-2	24913.32	24682.07	24936.33	24843.90	0.57	ppb
Rhodium	103-1				97		%
Rhodium	103-2				97		%
Scandium	45-1				99		%
Scandium	45-2				99		%
Selenium	77-2	454.59	557.27	457.10	489.66	11.96	ppb
Selenium	78-2	519.74	517.97	499.61	512.44	2.17	ppb
Selenium	82-1	510.00	506.96	506.42	507.79	0.38	ppb
Silicon	28-1	542.32	541.55	523.99	535.95	1.93	ppb
Silver	109-1	471.28	467.90	453.03	464.07	2.09	ppb
Silver	107-1	475.22	458.90	453.85	462.66	2.41	ppb
Sodium	23-2	49594.26	49950.40	50122.22	49888.96	0.54	ppb
Strontium	86-1	498.09	495.59	494.68	496.12	0.36	ppb
Strontium	88-1	503.19	504.43	500.19	502.60	0.43	ppb
Sulfur	34-1	10545.13	10363.40	9835.87	10248.13	3.59	ppb
Terbium	159-1				107		%
Terbium	159-2				101		%
Thallium	203-1	507.67	502.64	500.84	503.72	0.70	ppb
Thallium	205-1	500.32	499.88	496.78	498.99	0.39	ppb
Tin	118-1	523.61	515.69	505.42	514.91	1.77	ppb
Titanium	47-1	504.96	501.93	496.39	501.09	0.87	ppb
Uranium	238-1	488.39	485.34	480.50	484.74	0.82	ppb
Vanadium	51-2	493.73	491.68	497.05	494.16	0.55	ppb
Yttrium	89-1				99		%
Yttrium	89-2				96		%
Zinc	66-2	989.64	984.30	991.67	988.54	0.39	ppb
Zirconium	90-1	501.69	496.72	496.68	498.36	0.58	ppb

LB Number :	LB90073	Operator :	Jaswal
Lab Sample ID :	S06	Instrumnet Name :	P8
Client Sample ID :	S06	Dilution Factor :	1
Date & Time Acquired ::	2017-09-14 11:42:05	DataFile Name :	009CALS_P8091417 MS

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	91-1	503.45	497.78	500.92	500.71	0.57	ppb

LB Number :	LB90073	Operator :	Jaswal
Lab Sample ID :	S07	Instrumnet Name :	P8
Client Sample ID :	S07	Dilution Factor :	1
Date & Time Acquired ::	2017-09-14 11:48:34	DataFile Name :	011CAL5_P8091417 MS

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	19706.09	19333.58	19622.91	19554.20	1.00	ppb
Antimony	121-1	983.84	985.06	994.61	987.84	0.60	ppb
Arsenic	75-2	1007.90	992.68	993.43	998.00	0.86	ppb
Barium	135-1	4924.88	4956.32	4970.14	4950.44	0.47	ppb
Barium	137-1	4917.48	4967.53	5019.86	4968.29	1.03	ppb
Beryllium	9-1	998.23	971.71	1008.42	992.79	1.91	ppb
Bismuth	209-1				118		%
Bismuth	209-2				101		%
Boron	10-1	987.25	975.76	1037.34	1000.12	3.27	ppb
Boron	11-1	983.40	984.31	1027.44	998.38	2.52	ppb
Cadmium	111-1	983.78	978.41	1001.80	988.00	1.24	ppb
Cadmium	106-1	963.52	991.32	994.63	983.16	1.74	ppb
Cadmium	108-1	965.84	983.43	1002.04	983.77	1.84	ppb
Calcium	43-1	100207.46	97898.59	100344.98	99483.68	1.38	ppb
Calcium	44-1	96953.41	96299.66	97576.20	96943.09	0.66	ppb
Chromium	52-2	1014.46	996.70	1008.54	1006.57	0.90	ppb
Cobalt	59-2	1004.51	1006.93	1010.63	1007.36	0.31	ppb
Copper	63-2	2028.68	1972.36	2014.89	2005.31	1.46	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				117		%
Holmium	165-2				102		%
Indium	115-1				103		%
Indium	115-2				91		%
Iron	56-2	52028.95	50703.89	51725.97	51486.27	1.35	ppb
Iron	57-2	52114.68	50984.63	51987.49	51695.60	1.20	ppb
Lead	206-1	991.19	986.28	1006.00	994.49	1.03	ppb
Lead	207-1	1003.57	997.53	1000.01	1000.37	0.30	ppb
Lead	208-1	994.40	992.48	1004.17	997.02	0.63	ppb
Lithium	6-1				111		%
Magnesium	24-2	102056.43	100207.30	101847.88	101370.54	1.00	ppb
Manganese	55-2	2023.61	1979.08	2008.71	2003.80	1.13	ppb

LB Number :	LB90073	Operator :	Jaswal
Lab Sample ID :	S07	Instrumnet Name :	P8
Client Sample ID :	S07	Dilution Factor :	1
Date & Time Acquired ::	2017-09-14 11:48:34	DataFile Name :	011CAL5_P8091417 MS

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Molybdenum	94-1	995.20	996.90	997.05	996.38	0.10	ppb
Molybdenum	95-1	992.28	997.46	1008.60	999.45	0.83	ppb
Molybdenum	96-1	995.23	1003.03	1001.32	999.86	0.41	ppb
Molybdenum	97-1	988.20	1010.19	1008.82	1002.40	1.23	ppb
Molybdenum	98-1	998.15	992.17	1004.25	998.19	0.61	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	1015.49	990.45	1006.82	1004.25	1.27	ppb
Phosphorus	31-2	20108.24	19724.48	20337.76	20056.83	1.54	ppb
Potassium	39-2	49938.83	48874.90	49353.43	49389.05	1.08	ppb
Rhodium	103-1				101		%
Rhodium	103-2				97		%
Scandium	45-1				100		%
Scandium	45-2				95		%
Selenium	77-2	1012.17	966.46	996.42	991.69	2.34	ppb
Selenium	78-2	995.16	996.56	975.85	989.19	1.17	ppb
Selenium	82-1	990.86	990.92	996.72	992.83	0.34	ppb
Silicon	28-1	975.72	952.37	976.26	968.12	1.41	ppb
Silver	109-1	1012.10	1018.68	1026.29	1019.02	0.70	ppb
Silver	107-1	1009.48	1011.10	1037.18	1019.25	1.53	ppb
Sodium	23-2	101149.54	98809.23	99473.93	99810.90	1.21	ppb
Strontium	86-1	996.77	1010.33	995.54	1000.88	0.82	ppb
Strontium	88-1	993.20	999.70	996.65	996.51	0.33	ppb
Sulfur	34-1	19609.24	19190.04	19810.57	19536.62	1.62	ppb
Terbium	159-1				116		%
Terbium	159-2				102		%
Thallium	203-1	991.55	987.39	1010.98	996.64	1.26	ppb
Thallium	205-1	994.10	984.41	1016.72	998.41	1.66	ppb
Tin	118-1	980.25	982.12	999.13	987.17	1.05	ppb
Titanium	47-1	995.45	987.72	1006.40	996.53	0.94	ppb
Uranium	238-1	1000.76	1011.33	1013.43	1008.51	0.67	ppb
Vanadium	51-2	1011.41	989.65	1008.11	1003.06	1.17	ppb
Yttrium	89-1				104		%
Yttrium	89-2				95		%
Zinc	66-2	2028.14	1981.23	2007.33	2005.57	1.17	ppb
Zirconium	90-1	992.51	1002.96	1000.45	998.64	0.55	ppb

LB Number :	LB90073	Operator :	Jaswal
Lab Sample ID :	S07	Instrumnet Name :	P8
Client Sample ID :	S07	Dilution Factor :	1
Date & Time Acquired ::	2017-09-14 11:48:34	DataFile Name :	011CALS_P8091417 MS

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	91-1	990.54	1004.31	1000.27	998.37	0.71	ppb

LB Number :	LB90073	Operator :	Jaswal
Lab Sample ID :	S08	Instrumnet Name :	P8
Client Sample ID :	S08	Dilution Factor :	1
Date & Time Acquired ::	2017-09-14 11:55:07	DataFile Name :	013CALS_P8091417 MS

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	99973.25	98907.32	101462.34	100114.30	1.28	ppb
Antimony	121-1	2.35	2.47	2.42	2.41	2.57	ppb
Arsenic	75-2	0.37	0.36	0.32	0.35	7.39	ppb
Barium	135-1	1.77	1.57	1.65	1.66	6.22	ppb
Barium	137-1	1.78	1.68	1.57	1.68	6.27	ppb
Beryllium	9-1	0.49	0.47	0.50	0.48	3.53	ppb
Bismuth	209-1				107		%
Bismuth	209-2				98		%
Boron	10-1	49.67	47.33	42.64	46.55	7.69	ppb
Boron	11-1	50.10	46.09	43.46	46.55	7.19	ppb
Cadmium	111-1	0.05	0.09	-0.03	0.04	166.66	ppb
Cadmium	106-1	-1.44	-1.29	-2.46	-1.73		ppb
Cadmium	108-1	0.23	0.07	0.13	0.14	56.27	ppb
Calcium	43-1	493376.48	501855.19	505552.60	500261.42	1.25	ppb
Calcium	44-1	493197.82	501777.16	507540.62	500838.53	1.44	ppb
Chromium	52-2	6.78	6.34	6.77	6.63	3.78	ppb
Cobalt	59-2	1.19	1.12	1.22	1.18	4.13	ppb
Copper	63-2	2.80	2.91	2.82	2.84	2.01	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				112		%
Holmium	165-2				105		%
Indium	115-1				99		%
Indium	115-2				96		%
Iron	56-2	252035.26	245030.93	251857.26	249641.15	1.60	ppb
Iron	57-2	250672.08	245776.92	252349.98	249599.66	1.37	ppb
Lead	206-1	1.66	1.67	1.75	1.69	3.10	ppb
Lead	207-1	1.55	1.54	1.46	1.52	3.42	ppb
Lead	208-1	1.61	1.63	1.59	1.61	1.24	ppb
Lithium	6-1				108		%
Magnesium	24-2	501768.76	492569.41	504458.14	499598.77	1.25	ppb
Manganese	55-2	6.47	6.54	5.82	6.27	6.36	ppb

LB Number :	LB90073	Operator :	Jaswal
Lab Sample ID :	S08	Instrumnet Name :	P8
Client Sample ID :	S08	Dilution Factor :	1
Date & Time Acquired ::	2017-09-14 11:55:07	DataFile Name :	013CAL5_P8091417 MS

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Molybdenum	94-1	0.61	0.58	0.63	0.60	4.38	ppb
Molybdenum	95-1	1.40	1.38	1.30	1.36	4.05	ppb
Molybdenum	96-1	1.47	1.56	1.56	1.53	3.31	ppb
Molybdenum	97-1	1.50	1.26	1.31	1.36	9.28	ppb
Molybdenum	98-1	1.30	1.34	1.38	1.34	2.83	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	3.18	3.18	3.02	3.13	3.04	ppb
Phosphorus	31-2	-8.65	-8.65	9.52	-2.60		ppb
Potassium	39-2	252983.83	246175.76	251195.95	250118.51	1.41	ppb
Rhodium	103-1				94		%
Rhodium	103-2				96		%
Scandium	45-1				99		%
Scandium	45-2				101		%
Selenium	77-2	-1.50	-1.50	-1.50	-1.50		ppb
Selenium	78-2	-1.29	-1.29	-0.54	-1.04		ppb
Selenium	82-1	0.31	-0.41	0.07	-0.01		ppb
Silicon	28-1	4.80	7.52	9.51	7.28	32.52	ppb
Silver	109-1	0.15	0.14	0.13	0.14	6.40	ppb
Silver	107-1	0.14	0.12	0.14	0.13	9.68	ppb
Sodium	23-2	504228.28	491876.86	503979.30	500028.15	1.41	ppb
Strontium	86-1	34.97	34.92	35.10	35.00	0.28	ppb
Strontium	88-1	35.30	35.69	35.72	35.57	0.66	ppb
Sulfur	34-1	-852.84	-498.73	-498.51	-616.70		ppb
Terbium	159-1				111		%
Terbium	159-2				104		%
Thallium	203-1	0.40	0.40	0.33	0.38	10.06	ppb
Thallium	205-1	0.39	0.38	0.38	0.38	1.63	ppb
Tin	118-1	0.88	0.76	0.74	0.80	9.19	ppb
Titanium	47-1	0.59	0.72	0.63	0.65	10.27	ppb
Uranium	238-1	0.12	0.11	0.10	0.11	12.63	ppb
Vanadium	51-2	0.23	0.29	0.15	0.22	29.53	ppb
Yttrium	89-1				101		%
Yttrium	89-2				100		%
Zinc	66-2	6.64	7.66	6.49	6.93	9.15	ppb
Zirconium	90-1	0.26	0.27	0.26	0.26	2.46	ppb

LB Number :	LB90073	Operator :	Jaswal
Lab Sample ID :	S08	Instrumnet Name :	P8
Client Sample ID :	S08	Dilution Factor :	1
Date & Time Acquired ::	2017-09-14 11:55:07	DataFile Name :	013CALS_P8091417 MS

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	91-1	0.27	0.27	0.26	0.27	2.79	ppb

LB Number :	LB90073	Operator :	Jaswal
Lab Sample ID :	ICV	Instrumnet Name :	P8
Client Sample ID :	ICV	Dilution Factor :	1
Date & Time Acquired ::	2017-09-14 12:09:58	DataFile Name :	016ICV_P8091417 MS.D

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	436.49	463.18	466.67	455.45	3.62	ppb
Antimony	121-1	200.65	197.07	198.48	198.73	0.91	ppb
Arsenic	75-2	190.98	192.69	189.38	191.02	0.87	ppb
Barium	135-1	100.54	97.13	98.40	98.69	1.75	ppb
Barium	137-1	98.70	97.70	97.91	98.10	0.54	ppb
Beryllium	9-1	98.49	98.48	97.50	98.16	0.58	ppb
Bismuth	209-1				109		%
Bismuth	209-2				110		%
Boron	10-1	14.42	14.71	12.54	13.89	8.47	ppb
Boron	11-1	14.62	13.45	12.96	13.68	6.22	ppb
Cadmium	111-1	100.98	99.76	99.79	100.18	0.70	ppb
Cadmium	106-1	89.97	87.96	85.12	87.68	2.78	ppb
Cadmium	108-1	95.32	96.02	91.76	94.37	2.42	ppb
Calcium	43-1	1804.49	1910.74	1874.77	1863.34	2.90	ppb
Calcium	44-1	1878.83	1900.96	1893.88	1891.22	0.60	ppb
Chromium	52-2	91.59	90.73	91.39	91.24	0.49	ppb
Cobalt	59-2	93.13	93.13	93.13	93.13	0.00	ppb
Copper	63-2	93.32	93.37	93.22	93.30	0.08	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				108		%
Holmium	165-2				107		%
Indium	115-1				104		%
Indium	115-2				104		%
Iron	56-2	956.78	949.56	955.18	953.84	0.40	ppb
Iron	57-2	939.34	971.28	988.66	966.43	2.59	ppb
Lead	206-1	191.45	193.62	191.38	192.15	0.66	ppb
Lead	207-1	181.17	182.84	182.81	182.28	0.53	ppb
Lead	208-1	190.35	192.61	191.83	191.59	0.60	ppb
Lithium	6-1				109		%
Magnesium	24-2	1129.18	1160.09	1134.33	1141.20	1.45	ppb
Manganese	55-2	93.45	95.24	95.01	94.56	1.03	ppb

LB Number :	LB90073	Operator :	Jaswal
Lab Sample ID :	ICV	Instrumnet Name :	P8
Client Sample ID :	ICV	Dilution Factor :	1
Date & Time Acquired ::	2017-09-14 12:09:58	DataFile Name :	016ICV_P8091417 MS.D

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Molybdenum	94-1	0.05	0.04	0.03	0.04	19.93	ppb
Molybdenum	95-1	0.08	0.07	0.04	0.06	28.04	ppb
Molybdenum	96-1	0.09	0.08	0.08	0.09	9.84	ppb
Molybdenum	97-1	0.05	0.05	0.06	0.05	13.51	ppb
Molybdenum	98-1	0.06	0.06	0.07	0.06	11.17	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	94.48	94.72	96.18	95.13	0.96	ppb
Phosphorus	31-2	25.66	25.74	-8.65	14.25	139.20	ppb
Potassium	39-2	1899.95	1924.41	1918.11	1914.16	0.66	ppb
Rhodium	103-1				103		%
Rhodium	103-2				107		%
Scandium	45-1				104		%
Scandium	45-2				107		%
Selenium	77-2	221.77	240.20	172.37	211.44	16.59	ppb
Selenium	78-2	239.16	246.50	214.02	233.23	7.30	ppb
Selenium	82-1	198.20	198.65	198.48	198.45	0.11	ppb
Silicon	28-1	-9.63	-8.87	-10.47	-9.66		ppb
Silver	109-1	99.13	98.04	99.05	98.74	0.61	ppb
Silver	107-1	100.53	100.02	99.82	100.12	0.37	ppb
Sodium	23-2	1893.71	1868.00	1921.08	1894.26	1.40	ppb
Strontium	86-1	2.44	2.28	2.20	2.31	5.33	ppb
Strontium	88-1	2.19	2.21	2.27	2.22	2.00	ppb
Sulfur	34-1	-945.46	-765.79	-929.47	-880.24		ppb
Terbium	159-1				109		%
Terbium	159-2				107		%
Thallium	203-1	196.36	197.25	194.00	195.87	0.86	ppb
Thallium	205-1	201.68	200.99	199.17	200.62	0.65	ppb
Tin	118-1	0.13	0.13	0.11	0.12	8.14	ppb
Titanium	47-1	0.00	0.03	0.01	0.01	114.68	ppb
Uranium	238-1	0.00	0.01	0.00	0.00	64.25	ppb
Vanadium	51-2	92.42	91.21	92.60	92.08	0.82	ppb
Yttrium	89-1				103		%
Yttrium	89-2				104		%
Zinc	66-2	189.43	186.04	188.54	188.00	0.93	ppb
Zirconium	90-1	0.02	0.03	0.02	0.02	26.23	ppb

LB Number :	LB90073	Operator :	Jaswal
Lab Sample ID :	ICV	Instrumnet Name :	P8
Client Sample ID :	ICV	Dilution Factor :	1
Date & Time Acquired ::	2017-09-14 12:09:58	DataFile Name :	016ICV_P8091417 MS.D

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	91-1	0.06	0.08	0.08	0.08	13.95	ppb

LB Number :	LB90073	Operator :	Jaswal
Lab Sample ID :	ICB	Instrumnet Name :	P8
Client Sample ID :	ICB	Dilution Factor :	1
Date & Time Acquired ::	2017-09-14 12:13:19	DataFile Name :	017CCBE_P8091417 MS

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	0.10	-2.32	-1.04	-1.09		ppb
Antimony	121-1	0.13	0.14	0.12	0.13	5.67	ppb
Arsenic	75-2	-0.03	-0.04	0.01	-0.02		ppb
Barium	135-1	0.01	0.00	-0.01	0.00		ppb
Barium	137-1	-0.01	-0.01	-0.01	-0.01		ppb
Beryllium	9-1	0.11	0.11	0.13	0.11	11.02	ppb
Bismuth	209-1				110		%
Bismuth	209-2				113		%
Boron	10-1	10.32	9.34	9.70	9.79	5.05	ppb
Boron	11-1	11.31	10.20	10.86	10.79	5.16	ppb
Cadmium	111-1	-0.07	-0.10	-0.16	-0.11		ppb
Cadmium	106-1	-1.21	-1.57	-2.38	-1.72		ppb
Cadmium	108-1	0.01	0.14	0.01	0.05	150.82	ppb
Calcium	43-1	-7.39	-10.20	-16.09	-11.23		ppb
Calcium	44-1	2.08	-1.68	0.55	0.32	594.47	ppb
Chromium	52-2	-0.07	-0.04	-0.05	-0.05		ppb
Cobalt	59-2	0.01	0.01	0.01	0.01	43.73	ppb
Copper	63-2	-0.02	-0.07	-0.03	-0.04		ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				108		%
Holmium	165-2				108		%
Indium	115-1				106		%
Indium	115-2				105		%
Iron	56-2	0.22	0.21	-0.22	0.07	366.13	ppb
Iron	57-2	-0.20	0.16	-1.58	-0.54		ppb
Lead	206-1	0.09	0.09	0.07	0.08	13.87	ppb
Lead	207-1	0.06	0.05	0.08	0.06	30.21	ppb
Lead	208-1	0.07	0.07	0.07	0.07	5.27	ppb
Lithium	6-1				109		%
Magnesium	24-2	-1.22	-1.96	-3.78	-2.32		ppb
Manganese	55-2	-0.14	-0.09	-0.15	-0.13		ppb

LB Number :	LB90073	Operator :	Jaswal
Lab Sample ID :	ICB	Instrumnet Name :	P8
Client Sample ID :	ICB	Dilution Factor :	1
Date & Time Acquired ::	2017-09-14 12:13:19	DataFile Name :	017CCBE_P8091417 MS

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Molybdenum	94-1	0.01	0.01	0.02	0.02	40.73	ppb
Molybdenum	95-1	0.02	0.01	0.00	0.01	52.29	ppb
Molybdenum	96-1	0.04	0.04	0.03	0.03	10.82	ppb
Molybdenum	97-1	0.04	0.06	-0.01	0.03	123.41	ppb
Molybdenum	98-1	0.03	0.03	0.01	0.02	35.95	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	-0.10	-0.23	-0.02	-0.11		ppb
Phosphorus	31-2	42.62	8.43	-8.65	14.13	184.72	ppb
Potassium	39-2	1.33	-6.47	-9.43	-4.85		ppb
Rhodium	103-1				105		%
Rhodium	103-2				108		%
Scandium	45-1				105		%
Scandium	45-2				107		%
Selenium	77-2	2.85	-1.50	7.32	2.89	152.82	ppb
Selenium	78-2	-0.61	-1.33	-1.33	-1.09		ppb
Selenium	82-1	-0.04	-0.61	-0.29	-0.31		ppb
Silicon	28-1	-19.69	-18.29	-16.24	-18.07		ppb
Silver	109-1	0.03	0.03	0.03	0.03	4.19	ppb
Silver	107-1	0.03	0.03	0.02	0.02	14.61	ppb
Sodium	23-2	21.99	25.34	19.75	22.36	12.57	ppb
Strontium	86-1	0.01	-0.01	-0.04	-0.01		ppb
Strontium	88-1	0.00	0.01	0.00	0.01	43.63	ppb
Sulfur	34-1	-1220.27	-1399.35	-1048.81	-1222.81		ppb
Terbium	159-1				109		%
Terbium	159-2				109		%
Thallium	203-1	0.04	0.05	0.05	0.05	9.75	ppb
Thallium	205-1	0.05	0.06	0.03	0.05	26.44	ppb
Tin	118-1	0.02	0.02	0.03	0.02	32.50	ppb
Titanium	47-1	0.04	0.01	-0.06	-0.01		ppb
Uranium	238-1	0.00	0.00	0.00	0.00		ppb
Vanadium	51-2	0.00	0.00	0.01	0.00	278.35	ppb
Yttrium	89-1				104		%
Yttrium	89-2				105		%
Zinc	66-2	0.10	0.08	0.23	0.14	56.83	ppb
Zirconium	90-1	0.00	0.00	0.00	0.00	226.29	ppb

LB Number :	LB90073	Operator :	Jaswal
Lab Sample ID :	ICB	Instrumnet Name :	P8
Client Sample ID :	ICB	Dilution Factor :	1
Date & Time Acquired ::	2017-09-14 12:13:19	DataFile Name :	017CCBE_P8091417 MS

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	91-1	0.00	0.00	0.01	0.00	203.30	ppb

LB Number :	LB90073	Operator :	Jaswal
Lab Sample ID :	ICSA	Instrumnet Name :	P8
Client Sample ID :	ICSA	Dilution Factor :	1
Date & Time Acquired ::	2017-09-14 12:16:27	DataFile Name :	018ICSA_P8091417 MS.

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	88853.41	92265.37	91857.26	90992.01	2.05	ppb
Antimony	121-1	1.25	1.28	1.25	1.26	1.39	ppb
Arsenic	75-2	0.19	0.23	0.43	0.29	46.22	ppb
Barium	135-1	1.48	1.42	1.57	1.49	5.30	ppb
Barium	137-1	1.43	1.49	1.42	1.44	2.53	ppb
Beryllium	9-1	0.39	0.43	0.34	0.39	12.82	ppb
Bismuth	209-1				107		%
Bismuth	209-2				99		%
Boron	10-1	11.82	12.71	11.16	11.90	6.57	ppb
Boron	11-1	12.89	12.20	12.54	12.54	2.75	ppb
Cadmium	111-1	0.24	0.06	0.04	0.11	96.42	ppb
Cadmium	106-1	-1.71	-2.77	-2.33	-2.27		ppb
Cadmium	108-1	7.30	7.42	7.74	7.49	3.07	ppb
Calcium	43-1	94672.90	96537.36	97254.93	96155.06	1.39	ppb
Calcium	44-1	93881.55	94848.43	95833.82	94854.60	1.03	ppb
Chromium	52-2	19.12	20.03	19.69	19.61	2.33	ppb
Cobalt	59-2	1.12	1.16	1.09	1.12	3.26	ppb
Copper	63-2	7.59	7.87	7.61	7.69	2.05	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				110		%
Holmium	165-2				102		%
Indium	115-1				101		%
Indium	115-2				96		%
Iron	56-2	97823.08	100489.08	99220.79	99177.65	1.34	ppb
Iron	57-2	98434.82	101252.53	100475.89	100054.41	1.45	ppb
Lead	206-1	4.43	4.55	4.47	4.48	1.29	ppb
Lead	207-1	3.88	3.90	3.87	3.88	0.41	ppb
Lead	208-1	4.09	4.15	4.14	4.13	0.73	ppb
Lithium	6-1				105		%
Magnesium	24-2	97829.49	100999.38	100078.58	99635.82	1.64	ppb
Manganese	55-2	7.70	6.78	7.79	7.43	7.52	ppb

LB Number :	LB90073	Operator :	Jaswal
Lab Sample ID :	ICSA	Instrumnet Name :	P8
Client Sample ID :	ICSA	Dilution Factor :	1
Date & Time Acquired ::	2017-09-14 12:16:27	DataFile Name :	018ICSA_P8091417 MS.

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Molybdenum	94-1	575.59	582.51	588.91	582.34	1.14	ppb
Molybdenum	95-1	1845.61	1885.50	1918.90	1883.34	1.95	ppb
Molybdenum	96-1	1559.09	1566.92	1576.63	1567.55	0.56	ppb
Molybdenum	97-1	1867.13	1878.07	1913.97	1886.39	1.30	ppb
Molybdenum	98-1	1872.60	1896.92	1909.77	1893.09	1.00	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	5.75	5.26	5.44	5.48	4.54	ppb
Phosphorus	31-2	96652.94	98180.05	101147.48	98660.16	2.32	ppb
Potassium	39-2	98195.00	102010.60	101860.91	100688.84	2.15	ppb
Rhodium	103-1				98		%
Rhodium	103-2				98		%
Scandium	45-1				100		%
Scandium	45-2				98		%
Selenium	77-2	-1.50	3.31	-1.50	0.10	2751.98	ppb
Selenium	78-2	-2.07	-1.26	0.28	-1.02		ppb
Selenium	82-1	0.45	-0.65	-0.81	-0.34		ppb
Silicon	28-1	27.38	30.44	30.62	29.48	6.18	ppb
Silver	109-1	0.19	0.22	0.23	0.21	11.25	ppb
Silver	107-1	0.18	0.20	0.20	0.19	5.20	ppb
Sodium	23-2	96198.31	98608.88	98446.74	97751.31	1.38	ppb
Strontium	86-1	32.97	32.80	33.29	33.02	0.76	ppb
Strontium	88-1	33.59	33.28	33.81	33.56	0.79	ppb
Sulfur	34-1	72862.38	72844.23	75607.44	73771.35	2.16	ppb
Terbium	159-1				109		%
Terbium	159-2				102		%
Thallium	203-1	0.10	0.10	0.06	0.08	29.02	ppb
Thallium	205-1	0.10	0.09	0.09	0.09	8.41	ppb
Tin	118-1	0.22	0.16	0.21	0.20	16.59	ppb
Titanium	47-1	1942.01	1951.83	1944.26	1946.03	0.26	ppb
Uranium	238-1	0.02	0.02	0.02	0.02	7.94	ppb
Vanadium	51-2	0.12	0.19	0.11	0.14	29.90	ppb
Yttrium	89-1				101		%
Yttrium	89-2				98		%
Zinc	66-2	11.74	11.61	11.31	11.56	1.91	ppb
Zirconium	90-1	0.07	0.07	0.07	0.07	0.83	ppb

LB Number :	LB90073	Operator :	Jaswal
Lab Sample ID :	ICSA	Instrumnet Name :	P8
Client Sample ID :	ICSA	Dilution Factor :	1
Date & Time Acquired ::	2017-09-14 12:16:27	DataFile Name :	018ICSA_P8091417 MS.

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	91-1	0.08	0.07	0.11	0.08	24.47	ppb

LB Number :	LB90073	Operator :	Jaswal
Lab Sample ID :	ICSAB	Instrumnet Name :	P8
Client Sample ID :	ICSAB	Dilution Factor :	1
Date & Time Acquired ::	2017-09-14 12:19:31	DataFile Name :	019ICSB_P8091417 MS.

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	88762.95	88657.93	89048.46	88823.11	0.23	ppb
Antimony	121-1	21.73	21.23	21.01	21.32	1.74	ppb
Arsenic	75-2	19.21	19.89	19.20	19.44	2.03	ppb
Barium	135-1	22.39	21.10	21.97	21.82	3.02	ppb
Barium	137-1	22.52	21.55	21.34	21.80	2.90	ppb
Beryllium	9-1	20.81	21.33	20.93	21.02	1.29	ppb
Bismuth	209-1				105		%
Bismuth	209-2				101		%
Boron	10-1	75.88	76.67	74.09	75.55	1.75	ppb
Boron	11-1	72.52	74.16	74.29	73.66	1.34	ppb
Cadmium	111-1	20.69	20.10	19.99	20.26	1.85	ppb
Cadmium	106-1	25.08	22.76	23.32	23.72	5.11	ppb
Cadmium	108-1	29.92	28.91	29.17	29.34	1.78	ppb
Calcium	43-1	96698.99	98792.21	96720.50	97403.90	1.23	ppb
Calcium	44-1	96232.54	96420.51	95527.32	96060.13	0.49	ppb
Chromium	52-2	38.39	38.15	37.91	38.15	0.64	ppb
Cobalt	59-2	20.44	20.63	20.13	20.40	1.24	ppb
Copper	63-2	27.00	27.42	26.78	27.07	1.20	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				108		%
Holmium	165-2				106		%
Indium	115-1				99		%
Indium	115-2				99		%
Iron	56-2	96913.54	98162.66	96634.75	97236.98	0.84	ppb
Iron	57-2	96228.57	99011.25	97418.11	97552.64	1.43	ppb
Lead	206-1	25.19	24.86	24.89	24.98	0.73	ppb
Lead	207-1	23.00	22.87	22.34	22.74	1.55	ppb
Lead	208-1	23.75	23.51	23.46	23.57	0.66	ppb
Lithium	6-1				101		%
Magnesium	24-2	96834.54	97658.05	97769.89	97420.83	0.52	ppb
Manganese	55-2	25.52	27.29	27.06	26.63	3.62	ppb

LB Number :	LB90073	Operator :	Jaswal
Lab Sample ID :	ICSAB	Instrumnet Name :	P8
Client Sample ID :	ICSAB	Dilution Factor :	1
Date & Time Acquired ::	2017-09-14 12:19:31	DataFile Name :	019ICSB_P8091417 MS.

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Molybdenum	94-1	658.52	641.68	643.45	647.88	1.43	ppb
Molybdenum	95-1	1983.44	1947.84	1950.16	1960.48	1.02	ppb
Molybdenum	96-1	1676.97	1646.02	1624.56	1649.18	1.60	ppb
Molybdenum	97-1	2013.74	1956.92	1942.93	1971.20	1.90	ppb
Molybdenum	98-1	1990.10	1958.22	1939.33	1962.55	1.31	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	24.20	24.55	24.34	24.36	0.73	ppb
Phosphorus	31-2	94951.16	96688.15	94393.03	95344.11	1.26	ppb
Potassium	39-2	96366.93	97975.02	97307.16	97216.37	0.83	ppb
Rhodium	103-1				96		%
Rhodium	103-2				102		%
Scandium	45-1				98		%
Scandium	45-2				103		%
Selenium	77-2	25.68	12.31	12.33	16.77	46.00	ppb
Selenium	78-2	15.47	17.30	18.88	17.22	9.92	ppb
Selenium	82-1	20.04	19.07	18.23	19.11	4.75	ppb
Silicon	28-1	109.25	108.47	103.82	107.18	2.74	ppb
Silver	109-1	17.46	17.04	17.06	17.19	1.40	ppb
Silver	107-1	17.64	17.15	17.35	17.38	1.40	ppb
Sodium	23-2	95465.94	96944.51	96094.31	96168.25	0.77	ppb
Strontium	86-1	89.74	88.56	87.88	88.73	1.06	ppb
Strontium	88-1	93.57	91.05	90.99	91.87	1.60	ppb
Sulfur	34-1	73657.03	74925.92	72443.85	73675.60	1.68	ppb
Terbium	159-1				107		%
Terbium	159-2				106		%
Thallium	203-1	20.56	20.43	20.29	20.43	0.67	ppb
Thallium	205-1	20.76	20.87	20.37	20.67	1.29	ppb
Tin	118-1	58.02	57.29	57.70	57.67	0.63	ppb
Titanium	47-1	1995.06	2042.21	1993.25	2010.17	1.38	ppb
Uranium	238-1	55.99	55.52	55.77	55.76	0.42	ppb
Vanadium	51-2	18.93	19.54	19.58	19.35	1.87	ppb
Yttrium	89-1				99		%
Yttrium	89-2				101		%
Zinc	66-2	31.20	32.12	31.65	31.66	1.45	ppb
Zirconium	90-1	58.10	56.71	56.69	57.17	1.41	ppb

LB Number :	LB90073	Operator :	Jaswal
Lab Sample ID :	ICSAB	Instrumnet Name :	P8
Client Sample ID :	ICSAB	Dilution Factor :	1
Date & Time Acquired ::	2017-09-14 12:19:31	DataFile Name :	019ICSB_P8091417 MS.

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	91-1	57.66	56.50	56.06	56.74	1.46	ppb

LB Number :	LB90073	Operator :	Jaswal
Lab Sample ID :	CCV022	Instrumnet Name :	P8
Client Sample ID :	CCV022	Dilution Factor :	1
Date & Time Acquired ::	2017-09-14 12:29:19	DataFile Name :	022CCV_P8091417 MS.I

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	50182.13	50700.63	49856.58	50246.45	0.85	ppb
Antimony	121-1	512.37	513.37	511.18	512.31	0.21	ppb
Arsenic	75-2	501.99	505.72	500.28	502.66	0.55	ppb
Barium	135-1	2527.14	2579.60	2568.38	2558.37	1.08	ppb
Barium	137-1	2508.30	2574.01	2549.47	2543.93	1.31	ppb
Beryllium	9-1	514.11	517.65	518.59	516.78	0.46	ppb
Bismuth	209-1				110		%
Bismuth	209-2				103		%
Boron	10-1	520.67	533.50	541.48	531.88	1.97	ppb
Boron	11-1	522.36	536.92	536.62	531.97	1.56	ppb
Cadmium	111-1	496.61	504.07	503.47	501.39	0.83	ppb
Cadmium	106-1	501.66	520.03	513.95	511.88	1.83	ppb
Cadmium	108-1	498.25	510.41	495.32	501.33	1.60	ppb
Calcium	43-1	238587.79	242797.77	240883.51	240756.35	0.88	ppb
Calcium	44-1	236019.48	240849.12	241311.00	239393.20	1.22	ppb
Chromium	52-2	495.11	495.47	487.39	492.66	0.93	ppb
Cobalt	59-2	479.44	486.42	473.44	479.77	1.35	ppb
Copper	63-2	973.86	972.68	955.88	967.47	1.04	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				114		%
Holmium	165-2				107		%
Indium	115-1				104		%
Indium	115-2				99		%
Iron	56-2	122473.05	125695.75	121810.69	123326.50	1.69	ppb
Iron	57-2	124773.37	126711.97	121909.67	124465.00	1.94	ppb
Lead	206-1	511.55	519.13	523.45	518.05	1.16	ppb
Lead	207-1	502.67	512.84	517.01	510.84	1.44	ppb
Lead	208-1	505.86	514.09	519.70	513.22	1.36	ppb
Lithium	6-1				112		%
Magnesium	24-2	250992.05	252766.38	249177.01	250978.48	0.72	ppb
Manganese	55-2	1005.76	1017.17	996.54	1006.49	1.03	ppb

LB Number :	LB90073	Operator :	Jaswal
Lab Sample ID :	CCV022	Instrumnet Name :	P8
Client Sample ID :	CCV022	Dilution Factor :	1
Date & Time Acquired ::	2017-09-14 12:29:19	DataFile Name :	022CCV_P8091417 MS.I

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Molybdenum	94-1	507.67	515.95	521.18	514.94	1.32	ppb
Molybdenum	95-1	500.32	516.11	516.84	511.09	1.83	ppb
Molybdenum	96-1	510.37	516.39	516.86	514.54	0.70	ppb
Molybdenum	97-1	492.52	500.57	501.23	498.11	0.97	ppb
Molybdenum	98-1	503.38	511.50	514.40	509.76	1.12	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	479.67	488.29	476.81	481.59	1.24	ppb
Phosphorus	31-2	9217.06	9483.15	10608.37	9769.53	7.56	ppb
Potassium	39-2	125519.03	127709.12	125392.07	126206.74	1.03	ppb
Rhodium	103-1				100		%
Rhodium	103-2				100		%
Scandium	45-1				105		%
Scandium	45-2				105		%
Selenium	77-2	536.05	490.66	542.43	523.05	5.40	ppb
Selenium	78-2	520.39	516.94	511.91	516.41	0.83	ppb
Selenium	82-1	493.48	498.62	506.53	499.54	1.32	ppb
Silicon	28-1	527.86	533.47	541.79	534.37	1.31	ppb
Silver	109-1	488.26	494.74	491.68	491.56	0.66	ppb
Silver	107-1	485.96	497.57	491.28	491.60	1.18	ppb
Sodium	23-2	250964.55	252170.50	247400.30	250178.45	0.99	ppb
Strontium	86-1	507.04	514.77	520.20	514.00	1.29	ppb
Strontium	88-1	517.21	527.81	523.66	522.90	1.02	ppb
Sulfur	34-1	9204.28	9776.46	9801.23	9593.99	3.52	ppb
Terbium	159-1				113		%
Terbium	159-2				107		%
Thallium	203-1	511.04	524.83	525.57	520.48	1.57	ppb
Thallium	205-1	509.42	518.08	516.26	514.59	0.89	ppb
Tin	118-1	516.93	522.11	515.35	518.13	0.68	ppb
Titanium	47-1	497.17	508.21	504.07	503.15	1.11	ppb
Uranium	238-1	513.03	514.67	515.98	514.56	0.29	ppb
Vanadium	51-2	500.25	505.48	498.92	501.55	0.69	ppb
Yttrium	89-1				105		%
Yttrium	89-2				103		%
Zinc	66-2	979.23	976.34	950.29	968.62	1.65	ppb
Zirconium	90-1	509.53	518.10	514.46	514.03	0.84	ppb

LB Number :	LB90073	Operator :	Jaswal
Lab Sample ID :	CCV022	Instrumnet Name :	P8
Client Sample ID :	CCV022	Dilution Factor :	1
Date & Time Acquired ::	2017-09-14 12:29:19	DataFile Name :	022CCV_P8091417 MS.I

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	91-1	513.30	522.44	513.29	516.34	1.02	ppb

LB Number :	LB90073	Operator :	Jaswal
Lab Sample ID :	CCB022	Instrumnet Name :	P8
Client Sample ID :	CCB022	Dilution Factor :	1
Date & Time Acquired ::	2017-09-14 12:34:39	DataFile Name :	023CCBE_P8091417 MS

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	3.62	-3.53	-1.19	-0.37		ppb
Antimony	121-1	0.17	0.15	0.19	0.17	11.75	ppb
Arsenic	75-2	-0.01	0.02	-0.01	0.00	1149.34	ppb
Barium	135-1	0.02	0.00	-0.01	0.00	518.21	ppb
Barium	137-1	0.01	0.00	0.00	0.00	141.48	ppb
Beryllium	9-1	0.19	0.12	0.12	0.14	26.04	ppb
Bismuth	209-1				110		%
Bismuth	209-2				115		%
Boron	10-1	12.76	13.43	12.41	12.87	4.06	ppb
Boron	11-1	13.56	12.47	12.12	12.72	5.89	ppb
Cadmium	111-1	-0.14	-0.15	-0.14	-0.14		ppb
Cadmium	106-1	-2.36	-2.48	-2.29	-2.38		ppb
Cadmium	108-1	0.01	-0.06	0.01	-0.01		ppb
Calcium	43-1	-8.34	-18.44	-10.99	-12.59		ppb
Calcium	44-1	11.25	5.81	2.31	6.46	69.72	ppb
Chromium	52-2	-0.08	-0.05	-0.08	-0.07		ppb
Cobalt	59-2	0.00	0.00	-0.01	0.00		ppb
Copper	63-2	0.00	-0.01	0.02	0.00	1950.06	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				108		%
Holmium	165-2				110		%
Indium	115-1				104		%
Indium	115-2				107		%
Iron	56-2	1.52	1.85	1.23	1.53	20.39	ppb
Iron	57-2	-0.61	1.95	0.75	0.70	184.17	ppb
Lead	206-1	0.08	0.07	0.05	0.07	26.20	ppb
Lead	207-1	0.07	0.08	0.08	0.08	8.64	ppb
Lead	208-1	0.09	0.07	0.06	0.07	19.45	ppb
Lithium	6-1				110		%
Magnesium	24-2	-0.64	-0.48	-1.71	-0.94		ppb
Manganese	55-2	-0.13	-0.12	-0.11	-0.12		ppb

LB Number :	LB90073	Operator :	Jaswal
Lab Sample ID :	CCB022	Instrumnet Name :	P8
Client Sample ID :	CCB022	Dilution Factor :	1
Date & Time Acquired ::	2017-09-14 12:34:39	DataFile Name :	023CCBE_P8091417 MS

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Molybdenum	94-1	0.02	0.04	0.03	0.03	34.76	ppb
Molybdenum	95-1	0.08	0.08	0.08	0.08	4.78	ppb
Molybdenum	96-1	0.08	0.09	0.09	0.09	10.74	ppb
Molybdenum	97-1	0.08	0.09	0.10	0.09	12.54	ppb
Molybdenum	98-1	0.10	0.09	0.09	0.09	8.36	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	-0.20	-0.25	-0.24	-0.23		ppb
Phosphorus	31-2	8.19	-8.65	-8.65	-3.04		ppb
Potassium	39-2	26.28	16.88	27.33	23.50	24.49	ppb
Rhodium	103-1				103		%
Rhodium	103-2				110		%
Scandium	45-1				103		%
Scandium	45-2				109		%
Selenium	77-2	-1.50	-1.50	-1.50	-1.50		ppb
Selenium	78-2	-2.07	-1.34	0.10	-1.11		ppb
Selenium	82-1	-0.10	-0.04	0.21	0.02	680.18	ppb
Silicon	28-1	-14.75	-14.17	-20.03	-16.32		ppb
Silver	109-1	0.04	0.04	0.04	0.04	12.56	ppb
Silver	107-1	0.04	0.04	0.03	0.04	15.43	ppb
Sodium	23-2	91.62	91.52	78.59	87.24	8.59	ppb
Strontium	86-1	0.02	0.01	0.01	0.01	48.08	ppb
Strontium	88-1	0.00	0.00	0.00	0.00	100.29	ppb
Sulfur	34-1	-904.99	-1118.87	-1417.55	-1147.14		ppb
Terbium	159-1				108		%
Terbium	159-2				109		%
Thallium	203-1	0.05	0.05	0.06	0.05	7.95	ppb
Thallium	205-1	0.08	0.07	0.05	0.06	25.64	ppb
Tin	118-1	0.10	0.07	0.09	0.08	16.44	ppb
Titanium	47-1	0.01	-0.01	0.03	0.01	168.86	ppb
Uranium	238-1	0.00	0.00	0.00	0.00	34.81	ppb
Vanadium	51-2	-0.01	-0.01	-0.02	-0.01		ppb
Yttrium	89-1				102		%
Yttrium	89-2				107		%
Zinc	66-2	-0.01	0.08	-0.02	0.02	318.03	ppb
Zirconium	90-1	0.01	0.02	0.02	0.02	46.98	ppb

LB Number :	LB90073	Operator :	Jaswal
Lab Sample ID :	CCB022	Instrumnet Name :	P8
Client Sample ID :	CCB022	Dilution Factor :	1
Date & Time Acquired ::	2017-09-14 12:34:39	DataFile Name :	023CCBE_P8091417 MS

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	91-1	0.01	0.03	0.00	0.01	97.44	ppb

LB Number :	LB90073	Operator :	Jaswal
Lab Sample ID :	PB102313BL	Instrumnet Name :	P8
Client Sample ID :	PBW007	Dilution Factor :	1
Date & Time Acquired ::	2017-09-14 12:37:46	DataFile Name :	024CCBE_P8091417 MS

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	-4.74	-2.14	-0.62	-2.50		ppb
Antimony	121-1	0.09	0.09	0.09	0.09	3.06	ppb
Arsenic	75-2	0.03	-0.02	0.00	0.00	1137.68	ppb
Barium	135-1	-0.01	0.00	-0.01	-0.01		ppb
Barium	137-1	0.01	-0.02	0.00	0.00		ppb
Beryllium	9-1	0.24	0.16	0.12	0.17	35.18	ppb
Bismuth	209-1				102		%
Bismuth	209-2				101		%
Boron	10-1	11.62	10.84	10.12	10.86	6.89	ppb
Boron	11-1	11.11	10.88	10.87	10.95	1.24	ppb
Cadmium	111-1	-0.15	-0.13	-0.09	-0.12		ppb
Cadmium	106-1	-2.29	-2.05	-1.51	-1.95		ppb
Cadmium	108-1	0.01	-0.02	-0.02	-0.01		ppb
Calcium	43-1	-7.41	-13.99	-7.20	-9.53		ppb
Calcium	44-1	11.80	5.45	8.73	8.66	36.66	ppb
Chromium	52-2	0.10	0.04	0.03	0.06	67.12	ppb
Cobalt	59-2	0.00	0.01	0.02	0.01	77.92	ppb
Copper	63-2	0.02	0.01	0.00	0.01	98.66	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				101		%
Holmium	165-2				98		%
Indium	115-1				96		%
Indium	115-2				96		%
Iron	56-2	1.11	1.49	1.25	1.28	14.84	ppb
Iron	57-2	0.19	2.05	0.38	0.87	116.90	ppb
Lead	206-1	0.09	0.06	0.07	0.07	20.91	ppb
Lead	207-1	0.06	0.06	0.08	0.07	16.32	ppb
Lead	208-1	0.06	0.06	0.07	0.07	8.31	ppb
Lithium	6-1				103		%
Magnesium	24-2	-1.06	2.75	-0.63	0.35	594.00	ppb
Manganese	55-2	-0.13	-0.16	-0.18	-0.16		ppb

LB Number :	LB90073	Operator :	Jaswal
Lab Sample ID :	PB102313BL	Instrumnet Name :	P8
Client Sample ID :	PBW007	Dilution Factor :	1
Date & Time Acquired ::	2017-09-14 12:37:46	DataFile Name :	024CCBE_P8091417 MS

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Molybdenum	94-1	0.04	0.05	0.04	0.04	18.16	ppb
Molybdenum	95-1	0.05	0.03	0.05	0.04	32.71	ppb
Molybdenum	96-1	0.06	0.04	0.04	0.05	23.92	ppb
Molybdenum	97-1	0.02	0.03	0.05	0.03	37.18	ppb
Molybdenum	98-1	0.07	0.05	0.08	0.07	28.91	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	-0.25	-0.25	-0.16	-0.22		ppb
Phosphorus	31-2	-8.65	46.43	49.53	29.10	112.48	ppb
Potassium	39-2	7.81	36.34	37.86	27.34	61.93	ppb
Rhodium	103-1				96		%
Rhodium	103-2				98		%
Scandium	45-1				96		%
Scandium	45-2				98		%
Selenium	77-2	-1.50	-1.50	-1.50	-1.50		ppb
Selenium	78-2	-2.07	-1.29	1.25	-0.70		ppb
Selenium	82-1	-0.42	-0.29	0.32	-0.13		ppb
Silicon	28-1	1.43	-7.48	-0.98	-2.35		ppb
Silver	109-1	0.03	0.04	0.04	0.04	11.57	ppb
Silver	107-1	0.03	0.03	0.03	0.03	14.28	ppb
Sodium	23-2	65.55	65.25	69.87	66.89	3.87	ppb
Strontium	86-1	0.03	0.03	0.08	0.05	65.39	ppb
Strontium	88-1	0.00	0.00	0.00	0.00	194.50	ppb
Sulfur	34-1	368.02	-369.06	-104.77	-35.27		ppb
Terbium	159-1				100		%
Terbium	159-2				98		%
Thallium	203-1	0.03	0.05	0.04	0.04	17.10	ppb
Thallium	205-1	0.05	0.04	0.04	0.04	6.87	ppb
Tin	118-1	0.09	0.06	0.08	0.08	22.59	ppb
Titanium	47-1	0.00	-0.03	-0.05	-0.03		ppb
Uranium	238-1	0.00	0.00	0.00	0.00	216.49	ppb
Vanadium	51-2	0.02	-0.01	-0.01	0.00	456.55	ppb
Yttrium	89-1				95		%
Yttrium	89-2				96		%
Zinc	66-2	-0.02	0.29	0.08	0.11	135.29	ppb
Zirconium	90-1	0.02	0.04	0.04	0.03	38.91	ppb

LB Number :	LB90073	Operator :	Jaswal
Lab Sample ID :	PB102313BL	Instrumnet Name :	P8
Client Sample ID :	PBW007	Dilution Factor :	1
Date & Time Acquired ::	2017-09-14 12:37:46	DataFile Name :	024CCBE_P8091417 MS

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	91-1	0.05	0.01	0.05	0.04	58.25	ppb

LB Number : LB90073 Operator : Jaswal
 Lab Sample ID : PB102313BS Instrumnet Name : P8
 Client Sample ID : LCS007 Dilution Factor : 1
 Date & Time Acquired :: 2017-09-14 12:40:54 DataFile Name : 025LCSE_P8091417 MS

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	30.79	31.49	40.97	34.42	16.51	ppb
Antimony	121-1	4.18	4.27	4.20	4.22	1.16	ppb
Arsenic	75-2	2.21	2.00	2.22	2.14	5.59	ppb
Barium	135-1	19.80	20.16	19.39	19.78	1.97	ppb
Barium	137-1	20.05	19.76	19.49	19.77	1.41	ppb
Beryllium	9-1	2.20	1.99	2.27	2.15	6.87	ppb
Bismuth	209-1				103		%
Bismuth	209-2				99		%
Boron	10-1	53.75	56.64	59.66	56.68	5.22	ppb
Boron	11-1	54.26	56.59	55.48	55.44	2.10	ppb
Cadmium	111-1	2.07	1.97	1.89	1.98	4.59	ppb
Cadmium	106-1	1.44	0.59	-0.57	0.49	207.46	ppb
Cadmium	108-1	2.33	2.59	2.16	2.36	9.21	ppb
Calcium	43-1	950.96	897.86	933.07	927.29	2.91	ppb
Calcium	44-1	952.07	951.74	958.24	954.02	0.38	ppb
Chromium	52-2	3.81	4.07	3.83	3.90	3.76	ppb
Cobalt	59-2	1.96	2.02	2.07	2.02	2.75	ppb
Copper	63-2	4.19	3.94	4.16	4.10	3.32	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				102		%
Holmium	165-2				100		%
Indium	115-1				98		%
Indium	115-2				98		%
Iron	56-2	393.25	383.15	388.19	388.20	1.30	ppb
Iron	57-2	384.26	381.97	390.47	385.57	1.14	ppb
Lead	206-1	2.34	2.34	2.27	2.32	1.72	ppb
Lead	207-1	2.16	2.23	2.25	2.21	2.08	ppb
Lead	208-1	2.29	2.29	2.25	2.28	0.78	ppb
Lithium	6-1				104		%
Magnesium	24-2	960.70	936.25	977.67	958.21	2.17	ppb
Manganese	55-2	2.13	2.18	1.60	1.97	16.26	ppb

LB Number :	LB90073	Operator :	Jaswal
Lab Sample ID :	PB102313BS	Instrumnet Name :	P8
Client Sample ID :	LCS007	Dilution Factor :	1
Date & Time Acquired ::	2017-09-14 12:40:54	DataFile Name :	025LCSE_P8091417 MS

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Molybdenum	94-1	4.38	4.25	4.41	4.35	1.95	ppb
Molybdenum	95-1	9.82	9.37	9.77	9.65	2.57	ppb
Molybdenum	96-1	8.34	8.30	8.14	8.26	1.29	ppb
Molybdenum	97-1	9.77	9.64	9.24	9.55	2.90	ppb
Molybdenum	98-1	9.87	9.61	9.77	9.75	1.35	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	1.77	1.83	1.81	1.80	1.83	ppb
Phosphorus	31-2	47.07	-8.65	27.19	21.87	129.13	ppb
Potassium	39-2	1013.34	968.38	1009.31	997.01	2.50	ppb
Rhodium	103-1				99		%
Rhodium	103-2				101		%
Scandium	45-1				99		%
Scandium	45-2				101		%
Selenium	77-2	8.01	3.16	3.16	4.77	58.64	ppb
Selenium	78-2	6.73	7.35	7.36	7.14	5.05	ppb
Selenium	82-1	10.11	8.98	11.02	10.04	10.19	ppb
Silicon	28-1	22.90	15.72	21.09	19.90	18.76	ppb
Silver	109-1	1.97	1.87	1.93	1.92	2.74	ppb
Silver	107-1	2.00	1.86	2.06	1.97	5.02	ppb
Sodium	23-2	1031.40	1026.88	1004.13	1020.80	1.43	ppb
Strontium	86-1	2.11	2.01	1.80	1.97	7.92	ppb
Strontium	88-1	2.18	2.04	2.14	2.12	3.43	ppb
Sulfur	34-1	-487.10	-547.31	-355.35	-463.26		ppb
Terbium	159-1				102		%
Terbium	159-2				101		%
Thallium	203-1	2.04	2.08	2.02	2.04	1.50	ppb
Thallium	205-1	2.00	2.01	1.99	2.00	0.28	ppb
Tin	118-1	10.41	10.25	10.27	10.31	0.87	ppb
Titanium	47-1	8.97	9.68	9.65	9.43	4.26	ppb
Uranium	238-1	1.94	1.85	1.87	1.89	2.65	ppb
Vanadium	51-2	8.96	9.48	9.61	9.35	3.67	ppb
Yttrium	89-1				98		%
Yttrium	89-2				99		%
Zinc	66-2	3.90	4.16	3.56	3.87	7.72	ppb
Zirconium	90-1	2.09	2.00	1.96	2.02	3.54	ppb

LB Number :	LB90073	Operator :	Jaswal
Lab Sample ID :	PB102313BS	Instrumnet Name :	P8
Client Sample ID :	LCS007	Dilution Factor :	1
Date & Time Acquired ::	2017-09-14 12:40:54	DataFile Name :	025LCSE_P8091417 MS

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	91-1	2.03	1.96	1.99	2.00	1.83	ppb

LB Number :	LB90073	Operator :	Jaswal
Lab Sample ID :	PB102314BL	Instrumnet Name :	P8
Client Sample ID :	PBW007	Dilution Factor :	1
Date & Time Acquired ::	2017-09-14 12:44:03	DataFile Name :	026CCBE_P8091417 MS

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	2.64	1.62	-3.51	0.25	1298.06	ppb
Antimony	121-1	0.07	0.05	0.05	0.06	17.29	ppb
Arsenic	75-2	-0.01	0.01	-0.01	0.00		ppb
Barium	135-1	0.00	0.00	-0.01	0.00		ppb
Barium	137-1	0.00	0.01	0.00	0.00	475.76	ppb
Beryllium	9-1	0.10	0.08	0.09	0.09	11.65	ppb
Bismuth	209-1				102		%
Bismuth	209-2				108		%
Boron	10-1	9.55	10.44	9.01	9.67	7.47	ppb
Boron	11-1	8.87	9.00	8.60	8.82	2.32	ppb
Cadmium	111-1	-0.08	-0.19	-0.06	-0.11		ppb
Cadmium	106-1	-1.21	-2.81	-1.02	-1.68		ppb
Cadmium	108-1	0.09	0.01	0.01	0.04	124.91	ppb
Calcium	43-1	-10.46	-14.43	-19.73	-14.87		ppb
Calcium	44-1	7.47	3.87	4.12	5.15	39.03	ppb
Chromium	52-2	-0.01	-0.03	-0.04	-0.03		ppb
Cobalt	59-2	0.00	0.00	0.00	0.00		ppb
Copper	63-2	-0.04	0.00	-0.03	-0.02		ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				101		%
Holmium	165-2				105		%
Indium	115-1				98		%
Indium	115-2				102		%
Iron	56-2	0.50	0.90	0.47	0.62	37.80	ppb
Iron	57-2	0.60	-1.86	-3.77	-1.68		ppb
Lead	206-1	0.10	0.06	0.07	0.08	27.85	ppb
Lead	207-1	0.08	0.06	0.06	0.07	18.40	ppb
Lead	208-1	0.08	0.06	0.06	0.07	19.42	ppb
Lithium	6-1				104		%
Magnesium	24-2	-1.04	-1.46	-1.49	-1.33		ppb
Manganese	55-2	-0.18	-0.25	-0.11	-0.18		ppb

LB Number :	LB90073	Operator :	Jaswal
Lab Sample ID :	PB102314BL	Instrumnet Name :	P8
Client Sample ID :	PBW007	Dilution Factor :	1
Date & Time Acquired ::	2017-09-14 12:44:03	DataFile Name :	026CCBE_P8091417 MS

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Molybdenum	94-1	0.02	0.02	0.01	0.02	29.73	ppb
Molybdenum	95-1	0.02	0.03	0.02	0.03	15.53	ppb
Molybdenum	96-1	0.03	0.03	0.05	0.03	27.49	ppb
Molybdenum	97-1	0.05	0.00	0.03	0.02	100.63	ppb
Molybdenum	98-1	0.02	0.03	0.02	0.02	12.86	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	-0.20	-0.19	-0.21	-0.20		ppb
Phosphorus	31-2	-8.65	-8.65	-8.65	-8.65		ppb
Potassium	39-2	5.53	17.61	11.83	11.66	51.80	ppb
Rhodium	103-1				98		%
Rhodium	103-2				105		%
Scandium	45-1				97		%
Scandium	45-2				104		%
Selenium	77-2	3.00	-1.50	2.95	1.48	174.60	ppb
Selenium	78-2	-1.31	-2.07	-2.07	-1.82		ppb
Selenium	82-1	-0.80	0.63	-0.98	-0.38		ppb
Silicon	28-1	-1.50	-6.71	-8.68	-5.63		ppb
Silver	109-1	0.04	0.04	0.03	0.04	15.14	ppb
Silver	107-1	0.04	0.03	0.02	0.03	25.32	ppb
Sodium	23-2	37.83	42.64	30.98	37.15	15.78	ppb
Strontium	86-1	0.03	-0.03	0.04	0.01	244.47	ppb
Strontium	88-1	0.00	0.00	0.00	0.00	91.23	ppb
Sulfur	34-1	299.95	-240.79	-481.64	-140.83		ppb
Terbium	159-1				102		%
Terbium	159-2				106		%
Thallium	203-1	0.01	0.01	0.02	0.01	65.32	ppb
Thallium	205-1	0.02	0.00	0.02	0.01	78.64	ppb
Tin	118-1	0.01	0.04	0.03	0.03	63.34	ppb
Titanium	47-1	0.02	0.01	-0.05	-0.01		ppb
Uranium	238-1	0.00	0.00	0.00	0.00		ppb
Vanadium	51-2	0.01	-0.01	0.00	0.00	1166.11	ppb
Yttrium	89-1				97		%
Yttrium	89-2				103		%
Zinc	66-2	0.07	-0.26	0.00	-0.06		ppb
Zirconium	90-1	0.00	0.01	0.01	0.01	59.46	ppb

LB Number :	LB90073	Operator :	Jaswal
Lab Sample ID :	PB102314BL	Instrumnet Name :	P8
Client Sample ID :	PBW007	Dilution Factor :	1
Date & Time Acquired ::	2017-09-14 12:44:03	DataFile Name :	026CCBE_P8091417 MS

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	91-1	0.01	0.01	0.00	0.00	159.61	ppb

LB Number :	LB90073	Operator :	Jaswal
Lab Sample ID :	PB102314BS	Instrumnet Name :	P8
Client Sample ID :	LCS007	Dilution Factor :	1
Date & Time Acquired ::	2017-09-14 12:47:10	DataFile Name :	027LCSE_P8091417 MS

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	23.10	34.54	34.77	30.81	21.65	ppb
Antimony	121-1	3.90	4.04	4.05	4.00	2.07	ppb
Arsenic	75-2	2.12	1.95	1.90	1.99	5.83	ppb
Barium	135-1	19.49	19.60	19.37	19.49	0.60	ppb
Barium	137-1	19.15	19.42	19.44	19.34	0.84	ppb
Beryllium	9-1	2.11	2.12	1.92	2.05	5.52	ppb
Bismuth	209-1				104		%
Bismuth	209-2				108		%
Boron	10-1	48.85	52.50	51.27	50.87	3.65	ppb
Boron	11-1	51.57	53.25	51.80	52.20	1.74	ppb
Cadmium	111-1	1.91	1.81	2.00	1.91	5.00	ppb
Cadmium	106-1	0.77	-0.91	0.49	0.12	766.43	ppb
Cadmium	108-1	2.03	1.94	2.06	2.01	3.25	ppb
Calcium	43-1	916.62	903.90	888.15	902.89	1.58	ppb
Calcium	44-1	906.11	925.28	903.04	911.48	1.32	ppb
Chromium	52-2	3.59	3.80	3.72	3.70	2.82	ppb
Cobalt	59-2	1.82	2.05	1.80	1.89	7.30	ppb
Copper	63-2	3.85	3.96	3.93	3.91	1.38	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				104		%
Holmium	165-2				105		%
Indium	115-1				101		%
Indium	115-2				103		%
Iron	56-2	371.89	380.12	372.87	374.96	1.20	ppb
Iron	57-2	352.04	373.57	373.02	366.21	3.35	ppb
Lead	206-1	2.10	2.28	2.21	2.20	4.12	ppb
Lead	207-1	2.18	2.29	2.14	2.20	3.50	ppb
Lead	208-1	2.21	2.27	2.15	2.21	2.56	ppb
Lithium	6-1				106		%
Magnesium	24-2	949.44	947.84	931.54	942.94	1.05	ppb
Manganese	55-2	1.79	2.36	2.29	2.15	14.35	ppb

LB Number :	LB90073	Operator :	Jaswal
Lab Sample ID :	PB102314BS	Instrumnet Name :	P8
Client Sample ID :	LCS007	Dilution Factor :	1
Date & Time Acquired ::	2017-09-14 12:47:10	DataFile Name :	027LCSE_P8091417 MS

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Molybdenum	94-1	4.29	4.21	4.21	4.23	1.06	ppb
Molybdenum	95-1	9.29	9.19	9.16	9.21	0.76	ppb
Molybdenum	96-1	7.77	7.90	7.90	7.86	0.98	ppb
Molybdenum	97-1	9.41	9.15	9.70	9.42	2.90	ppb
Molybdenum	98-1	9.30	9.12	9.39	9.27	1.45	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	1.76	1.73	1.77	1.75	1.25	ppb
Phosphorus	31-2	-8.65	-8.65	-8.65	-8.65		ppb
Potassium	39-2	939.92	953.31	974.52	955.91	1.83	ppb
Rhodium	103-1				101		%
Rhodium	103-2				106		%
Scandium	45-1				101		%
Scandium	45-2				105		%
Selenium	77-2	29.00	3.02	3.03	11.68	128.36	ppb
Selenium	78-2	7.46	13.95	10.14	10.52	31.01	ppb
Selenium	82-1	9.71	9.86	10.22	9.93	2.66	ppb
Silicon	28-1	17.03	15.93	16.67	16.54	3.41	ppb
Silver	109-1	1.82	1.88	1.88	1.86	1.84	ppb
Silver	107-1	1.94	1.85	1.87	1.89	2.47	ppb
Sodium	23-2	944.08	976.09	949.99	956.72	1.78	ppb
Strontium	86-1	1.91	1.75	2.11	1.93	9.32	ppb
Strontium	88-1	2.09	2.01	2.01	2.04	2.26	ppb
Sulfur	34-1	-594.85	-441.74	-465.78	-500.79		ppb
Terbium	159-1				104		%
Terbium	159-2				105		%
Thallium	203-1	1.88	1.92	1.87	1.89	1.31	ppb
Thallium	205-1	1.89	1.96	1.87	1.91	2.48	ppb
Tin	118-1	9.73	10.10	9.97	9.93	1.88	ppb
Titanium	47-1	9.19	9.40	9.39	9.33	1.26	ppb
Uranium	238-1	1.83	1.83	1.77	1.81	1.90	ppb
Vanadium	51-2	9.22	9.37	8.84	9.14	2.96	ppb
Yttrium	89-1				100		%
Yttrium	89-2				103		%
Zinc	66-2	3.66	4.20	3.45	3.77	10.25	ppb
Zirconium	90-1	1.87	1.92	1.89	1.90	1.23	ppb

LB Number :	LB90073	Operator :	Jaswal
Lab Sample ID :	PB102314BS	Instrumnet Name :	P8
Client Sample ID :	LCS007	Dilution Factor :	1
Date & Time Acquired ::	2017-09-14 12:47:10	DataFile Name :	027LCSE_P8091417 MS

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	91-1	1.81	1.86	1.95	1.87	4.00	ppb

LB Number :	LB90073	Operator :	Jaswal
Lab Sample ID :	I5192-06	Instrumnet Name :	P8
Client Sample ID :	MBDD18	Dilution Factor :	1
Date & Time Acquired ::	2017-09-14 12:50:20	DataFile Name :	028SMPL_P8091417 MS

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	64.71	54.77	49.37	56.28	13.83	ppb
Antimony	121-1	0.40	0.42	0.39	0.40	2.80	ppb
Arsenic	75-2	0.38	0.59	0.43	0.47	22.73	ppb
Barium	135-1	170.28	171.27	170.53	170.69	0.30	ppb
Barium	137-1	170.23	172.79	171.72	171.58	0.75	ppb
Beryllium	9-1	0.21	0.25	0.19	0.21	14.24	ppb
Bismuth	209-1				109		%
Bismuth	209-2				108		%
Boron	10-1	75.94	75.69	80.05	77.22	3.17	ppb
Boron	11-1	78.37	77.50	79.58	78.48	1.33	ppb
Cadmium	111-1	0.01	0.03	-0.06	-0.01		ppb
Cadmium	106-1	-1.92	-0.97	-2.36	-1.75		ppb
Cadmium	108-1	0.23	0.23	0.34	0.27	24.31	ppb
Calcium	43-1	29024.89	28989.51	29174.50	29062.97	0.34	ppb
Calcium	44-1	29095.50	29133.83	28923.04	29050.79	0.39	ppb
Chromium	52-2	-0.09	-0.06	-0.02	-0.06		ppb
Cobalt	59-2	15.07	15.37	15.18	15.20	1.00	ppb
Copper	63-2	4.47	4.34	4.64	4.48	3.32	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				109		%
Holmium	165-2				105		%
Indium	115-1				105		%
Indium	115-2				102		%
Iron	56-2	22.08	23.19	22.93	22.73	2.54	ppb
Iron	57-2	21.01	22.28	21.80	21.70	2.95	ppb
Lead	206-1	0.69	0.72	0.74	0.72	3.44	ppb
Lead	207-1	0.64	0.63	0.55	0.60	8.39	ppb
Lead	208-1	0.65	0.66	0.63	0.65	2.45	ppb
Lithium	6-1				108		%
Magnesium	24-2	7996.32	8001.33	8090.75	8029.47	0.66	ppb
Manganese	55-2	266.34	269.25	269.87	268.49	0.70	ppb

LB Number :	LB90073	Operator :	Jaswal
Lab Sample ID :	I5192-06	Instrumnet Name :	P8
Client Sample ID :	MBDD18	Dilution Factor :	1
Date & Time Acquired ::	2017-09-14 12:50:20	DataFile Name :	028SMPL_P8091417 MS

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Molybdenum	94-1	0.02	0.02	0.01	0.02	59.88	ppb
Molybdenum	95-1	0.03	0.03	0.02	0.03	20.84	ppb
Molybdenum	96-1	0.04	0.03	0.03	0.03	16.30	ppb
Molybdenum	97-1	0.02	0.04	0.03	0.03	36.51	ppb
Molybdenum	98-1	0.03	0.03	0.02	0.03	24.80	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	75.84	76.59	78.89	77.11	2.06	ppb
Phosphorus	31-2	8.24	8.84	27.71	14.93	74.19	ppb
Potassium	39-2	5530.79	5526.13	5690.54	5582.49	1.68	ppb
Rhodium	103-1				103		%
Rhodium	103-2				105		%
Scandium	45-1				105		%
Scandium	45-2				105		%
Selenium	77-2	-1.50	-1.50	3.15	0.05	5695.95	ppb
Selenium	78-2	-1.34	-1.31	0.28	-0.79		ppb
Selenium	82-1	-0.15	-0.69	-0.27	-0.37		ppb
Silicon	28-1	7749.94	7848.75	7730.56	7776.42	0.82	ppb
Silver	109-1	0.40	0.47	0.48	0.45	9.72	ppb
Silver	107-1	0.43	0.40	0.50	0.44	11.97	ppb
Sodium	23-2	42134.92	42397.57	43053.77	42528.75	1.11	ppb
Strontium	86-1	287.65	290.71	287.15	288.51	0.67	ppb
Strontium	88-1	292.58	297.73	290.95	293.75	1.20	ppb
Sulfur	34-1	3932.52	3919.74	4097.46	3983.24	2.49	ppb
Terbium	159-1				109		%
Terbium	159-2				106		%
Thallium	203-1	0.26	0.31	0.32	0.30	10.33	ppb
Thallium	205-1	0.26	0.27	0.26	0.26	2.53	ppb
Tin	118-1	0.15	0.17	0.15	0.15	7.14	ppb
Titanium	47-1	0.29	0.18	0.29	0.25	23.41	ppb
Uranium	238-1	0.00	0.00	0.00	0.00		ppb
Vanadium	51-2	0.27	0.24	0.23	0.25	8.80	ppb
Yttrium	89-1				104		%
Yttrium	89-2				103		%
Zinc	66-2	455.18	450.30	460.69	455.39	1.14	ppb
Zirconium	90-1	0.03	0.01	0.02	0.02	39.84	ppb

LB Number :	LB90073	Operator :	Jaswal
Lab Sample ID :	I5192-06	Instrumnet Name :	P8
Client Sample ID :	MBDD18	Dilution Factor :	1
Date & Time Acquired ::	2017-09-14 12:50:20	DataFile Name :	028SMPL_P8091417 MS

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	91-1	0.01	0.00	0.01	0.01	83.67	ppb

LB Number :	LB90073	Operator :	Jaswal
Lab Sample ID :	I5193-06	Instrumnet Name :	P8
Client Sample ID :	MBDD17	Dilution Factor :	1
Date & Time Acquired ::	2017-09-14 12:53:27	DataFile Name :	029SMPL_P8091417 MS

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	61.37	75.17	55.77	64.10	15.58	ppb
Antimony	121-1	0.42	0.42	0.39	0.41	3.78	ppb
Arsenic	75-2	0.64	0.73	0.76	0.71	9.09	ppb
Barium	135-1	179.95	180.55	182.02	180.84	0.59	ppb
Barium	137-1	179.31	182.79	181.05	181.05	0.96	ppb
Beryllium	9-1	0.16	0.20	0.25	0.21	22.62	ppb
Bismuth	209-1				117		%
Bismuth	209-2				108		%
Boron	10-1	77.59	82.47	84.53	81.53	4.37	ppb
Boron	11-1	81.93	83.16	83.97	83.02	1.24	ppb
Cadmium	111-1	0.00	-0.11	-0.05	-0.06		ppb
Cadmium	106-1	-1.40	-2.73	-2.01	-2.05		ppb
Cadmium	108-1	0.30	0.40	0.37	0.36	13.65	ppb
Calcium	43-1	29389.36	29765.40	29377.36	29510.71	0.75	ppb
Calcium	44-1	29432.81	29930.81	29582.02	29648.55	0.86	ppb
Chromium	52-2	0.10	0.21	0.10	0.14	49.99	ppb
Cobalt	59-2	16.74	19.68	16.40	17.60	10.24	ppb
Copper	63-2	3.38	4.16	3.36	3.63	12.57	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				116		%
Holmium	165-2				105		%
Indium	115-1				112		%
Indium	115-2				100		%
Iron	56-2	31.82	39.21	32.81	34.61	11.58	ppb
Iron	57-2	34.97	44.06	34.18	37.74	14.55	ppb
Lead	206-1	1.13	1.09	0.99	1.07	6.98	ppb
Lead	207-1	0.91	0.99	0.99	0.96	5.02	ppb
Lead	208-1	1.00	1.04	1.01	1.01	1.93	ppb
Lithium	6-1				113		%
Magnesium	24-2	7773.22	9192.29	7933.21	8299.57	9.36	ppb
Manganese	55-2	289.51	339.96	288.18	305.88	9.65	ppb

LB Number :	LB90073	Operator :	Jaswal
Lab Sample ID :	I5193-06	Instrumnet Name :	P8
Client Sample ID :	MBDD17	Dilution Factor :	1
Date & Time Acquired ::	2017-09-14 12:53:27	DataFile Name :	029SMPL_P8091417 MS

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Molybdenum	94-1	0.02	0.00	0.02	0.01	58.50	ppb
Molybdenum	95-1	0.01	0.01	0.00	0.00	60.83	ppb
Molybdenum	96-1	0.02	0.05	0.04	0.04	44.23	ppb
Molybdenum	97-1	0.02	0.03	0.02	0.02	34.02	ppb
Molybdenum	98-1	0.02	0.03	0.04	0.03	36.68	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	90.41	104.59	89.20	94.74	9.04	ppb
Phosphorus	31-2	-8.65	-8.65	8.42	-2.96		ppb
Potassium	39-2	5500.13	6337.90	5392.54	5743.52	9.01	ppb
Rhodium	103-1				109		%
Rhodium	103-2				103		%
Scandium	45-1				112		%
Scandium	45-2				103		%
Selenium	77-2	2.77	-1.50	-1.50	-0.08		ppb
Selenium	78-2	-2.07	-1.20	1.66	-0.54		ppb
Selenium	82-1	-0.37	-0.31	-0.46	-0.38		ppb
Silicon	28-1	7869.72	8019.10	7898.57	7929.13	1.00	ppb
Silver	109-1	0.36	0.35	0.33	0.35	5.85	ppb
Silver	107-1	0.35	0.35	0.35	0.35	0.89	ppb
Sodium	23-2	41689.06	49634.30	41923.63	44415.66	10.18	ppb
Strontium	86-1	294.54	302.85	298.32	298.57	1.39	ppb
Strontium	88-1	298.47	306.04	305.56	303.36	1.40	ppb
Sulfur	34-1	3260.75	3395.47	3354.20	3336.81	2.07	ppb
Terbium	159-1				117		%
Terbium	159-2				105		%
Thallium	203-1	0.19	0.18	0.17	0.18	5.04	ppb
Thallium	205-1	0.19	0.18	0.18	0.18	2.09	ppb
Tin	118-1	0.10	0.07	0.07	0.08	25.60	ppb
Titanium	47-1	0.32	0.23	0.19	0.24	28.04	ppb
Uranium	238-1	0.00	0.00	0.00	0.00	926.35	ppb
Vanadium	51-2	0.23	0.24	0.21	0.23	5.64	ppb
Yttrium	89-1				110		%
Yttrium	89-2				101		%
Zinc	66-2	707.34	833.16	699.10	746.53	10.06	ppb
Zirconium	90-1	0.01	0.02	0.02	0.02	20.45	ppb

LB Number :	LB90073	Operator :	Jaswal
Lab Sample ID :	I5193-06	Instrumnet Name :	P8
Client Sample ID :	MBDD17	Dilution Factor :	1
Date & Time Acquired ::	2017-09-14 12:53:27	DataFile Name :	029SMPL_P8091417 MS

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	91-1	0.01	0.00	0.01	0.01	53.35	ppb

LB Number :	LB90073	Operator :	Jaswal
Lab Sample ID :	I5192-06RE	Instrumnet Name :	P8
Client Sample ID :	MBDD18	Dilution Factor :	1
Date & Time Acquired ::	2017-09-14 13:00:29	DataFile Name :	031SMPL_P8091417 MS

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	55.05	61.84	68.26	61.72	10.70	ppb
Antimony	121-1	0.35	0.44	0.44	0.41	12.47	ppb
Arsenic	75-2	0.68	0.61	0.68	0.66	6.11	ppb
Barium	135-1	173.62	170.06	169.43	171.04	1.32	ppb
Barium	137-1	172.23	170.36	171.95	171.51	0.59	ppb
Beryllium	9-1	0.19	0.15	0.19	0.18	12.37	ppb
Bismuth	209-1				117		%
Bismuth	209-2				111		%
Boron	10-1	73.72	74.23	81.99	76.65	6.05	ppb
Boron	11-1	74.48	75.65	79.25	76.46	3.25	ppb
Cadmium	111-1	-0.07	-0.16	-0.11	-0.11		ppb
Cadmium	106-1	-2.38	-3.72	-2.89	-2.99		ppb
Cadmium	108-1	0.16	0.18	0.40	0.25	54.28	ppb
Calcium	43-1	29393.79	29195.73	29538.04	29375.85	0.59	ppb
Calcium	44-1	29465.45	29374.32	29878.16	29572.64	0.91	ppb
Chromium	52-2	0.17	0.14	-0.04	0.09	129.91	ppb
Cobalt	59-2	15.56	15.33	15.37	15.42	0.78	ppb
Copper	63-2	4.20	4.13	4.16	4.16	0.78	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				115		%
Holmium	165-2				107		%
Indium	115-1				110		%
Indium	115-2				103		%
Iron	56-2	23.56	23.59	22.85	23.33	1.80	ppb
Iron	57-2	30.52	25.24	25.74	27.17	10.73	ppb
Lead	206-1	0.64	0.64	0.64	0.64	0.56	ppb
Lead	207-1	0.64	0.62	0.59	0.62	3.48	ppb
Lead	208-1	0.62	0.64	0.62	0.62	1.86	ppb
Lithium	6-1				112		%
Magnesium	24-2	8036.74	7984.19	8013.45	8011.46	0.33	ppb
Manganese	55-2	273.56	267.58	273.07	271.41	1.22	ppb

LB Number :	LB90073	Operator :	Jaswal
Lab Sample ID :	I5192-06RE	Instrumnet Name :	P8
Client Sample ID :	MBDD18	Dilution Factor :	1
Date & Time Acquired ::	2017-09-14 13:00:29	DataFile Name :	031SMPL_P8091417 MS

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Molybdenum	94-1	0.01	0.03	0.01	0.01	78.30	ppb
Molybdenum	95-1	0.01	0.01	0.02	0.01	60.78	ppb
Molybdenum	96-1	0.03	0.03	0.02	0.03	33.49	ppb
Molybdenum	97-1	0.03	0.00	0.01	0.01	129.71	ppb
Molybdenum	98-1	0.04	0.02	0.02	0.03	35.36	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	79.01	77.93	77.77	78.24	0.86	ppb
Phosphorus	31-2	26.51	9.07	42.85	26.14	64.62	ppb
Potassium	39-2	5534.86	5480.14	5629.34	5548.11	1.36	ppb
Rhodium	103-1				108		%
Rhodium	103-2				106		%
Scandium	45-1				108		%
Scandium	45-2				105		%
Selenium	77-2	2.95	-1.50	2.92	1.45	176.17	ppb
Selenium	78-2	-0.57	-0.54	-0.58	-0.57		ppb
Selenium	82-1	0.03	0.02	-0.68	-0.21		ppb
Silicon	28-1	7871.80	7827.95	7914.30	7871.35	0.55	ppb
Silver	109-1	0.22	0.26	0.28	0.25	11.63	ppb
Silver	107-1	0.22	0.24	0.26	0.24	8.70	ppb
Sodium	23-2	42759.55	42642.25	42591.28	42664.36	0.20	ppb
Strontium	86-1	293.96	290.61	296.04	293.54	0.93	ppb
Strontium	88-1	298.03	296.96	299.78	298.26	0.48	ppb
Sulfur	34-1	3554.04	3436.31	3936.55	3642.30	7.18	ppb
Terbium	159-1				116		%
Terbium	159-2				108		%
Thallium	203-1	0.16	0.17	0.17	0.17	4.35	ppb
Thallium	205-1	0.17	0.17	0.16	0.17	2.76	ppb
Tin	118-1	0.14	0.11	0.16	0.14	16.89	ppb
Titanium	47-1	0.15	0.24	0.22	0.20	23.26	ppb
Uranium	238-1	0.00	0.00	0.00	0.00		ppb
Vanadium	51-2	0.24	0.19	0.27	0.24	16.80	ppb
Yttrium	89-1				108		%
Yttrium	89-2				103		%
Zinc	66-2	468.28	459.55	458.94	462.26	1.13	ppb
Zirconium	90-1	0.01	0.03	0.01	0.02	59.67	ppb

LB Number :	LB90073	Operator :	Jaswal
Lab Sample ID :	I5192-06RE	Instrumnet Name :	P8
Client Sample ID :	MBDD18	Dilution Factor :	1
Date & Time Acquired ::	2017-09-14 13:00:29	DataFile Name :	031SMPL_P8091417 MS

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	91-1	0.01	0.02	0.02	0.02	35.82	ppb

LB Number :	LB90073	Operator :	Jaswal
Lab Sample ID :	I5193-06RE	Instrumnet Name :	P8
Client Sample ID :	MBDD17	Dilution Factor :	1
Date & Time Acquired ::	2017-09-14 13:03:36	DataFile Name :	032SMPL_P8091417 MS

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	60.66	46.42	62.55	56.54	15.59	ppb
Antimony	121-1	0.42	0.42	0.44	0.42	2.86	ppb
Arsenic	75-2	0.57	0.42	0.39	0.46	21.34	ppb
Barium	135-1	183.10	181.55	182.67	182.44	0.44	ppb
Barium	137-1	184.02	182.02	182.57	182.87	0.56	ppb
Beryllium	9-1	0.10	0.17	0.19	0.15	32.27	ppb
Bismuth	209-1				118		%
Bismuth	209-2				113		%
Boron	10-1	78.06	78.01	85.60	80.56	5.42	ppb
Boron	11-1	81.89	81.46	80.54	81.30	0.85	ppb
Cadmium	111-1	-0.05	-0.05	-0.13	-0.08		ppb
Cadmium	106-1	-1.70	-1.67	-2.83	-2.06		ppb
Cadmium	108-1	0.43	0.46	0.43	0.44	4.12	ppb
Calcium	43-1	30397.03	30198.14	30279.64	30291.60	0.33	ppb
Calcium	44-1	30487.45	30203.82	30241.74	30311.00	0.51	ppb
Chromium	52-2	0.14	0.06	0.08	0.10	43.20	ppb
Cobalt	59-2	17.92	17.07	16.51	17.17	4.11	ppb
Copper	63-2	3.55	3.34	3.22	3.37	5.03	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				117		%
Holmium	165-2				109		%
Indium	115-1				110		%
Indium	115-2				104		%
Iron	56-2	36.75	34.42	33.38	34.85	4.96	ppb
Iron	57-2	37.93	31.91	35.68	35.17	8.65	ppb
Lead	206-1	1.06	1.14	1.05	1.08	4.44	ppb
Lead	207-1	0.90	0.96	0.94	0.93	2.98	ppb
Lead	208-1	0.98	1.05	0.99	1.01	3.66	ppb
Lithium	6-1				113		%
Magnesium	24-2	8550.87	8157.67	8066.18	8258.24	3.12	ppb
Manganese	55-2	314.30	300.35	292.44	302.36	3.66	ppb

LB Number :	LB90073	Operator :	Jaswal
Lab Sample ID :	I5193-06RE	Instrumnet Name :	P8
Client Sample ID :	MBDD17	Dilution Factor :	1
Date & Time Acquired ::	2017-09-14 13:03:36	DataFile Name :	032SMPL_P8091417 MS

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Molybdenum	94-1	0.01	0.01	0.01	0.01	23.06	ppb
Molybdenum	95-1	0.01	0.02	0.02	0.02	40.67	ppb
Molybdenum	96-1	0.02	0.03	0.03	0.03	19.64	ppb
Molybdenum	97-1	0.03	0.06	0.04	0.04	33.36	ppb
Molybdenum	98-1	0.03	0.03	0.02	0.02	29.19	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	95.31	91.34	90.79	92.48	2.67	ppb
Phosphorus	31-2	-8.65	25.73	8.30	8.46	203.28	ppb
Potassium	39-2	5865.94	5638.78	5435.80	5646.84	3.81	ppb
Rhodium	103-1				109		%
Rhodium	103-2				108		%
Scandium	45-1				109		%
Scandium	45-2				106		%
Selenium	77-2	-1.50	-1.50	-1.50	-1.50		ppb
Selenium	78-2	0.21	-0.60	-0.60	-0.33		ppb
Selenium	82-1	0.23	0.30	0.18	0.23	25.80	ppb
Silicon	28-1	8135.67	8039.49	8107.85	8094.33	0.61	ppb
Silver	109-1	0.23	0.21	0.25	0.23	7.88	ppb
Silver	107-1	0.20	0.20	0.25	0.22	12.19	ppb
Sodium	23-2	45278.75	43338.13	42252.71	43623.20	3.51	ppb
Strontium	86-1	298.89	302.30	299.31	300.17	0.62	ppb
Strontium	88-1	303.34	309.23	307.51	306.69	0.99	ppb
Sulfur	34-1	3750.02	3729.48	3785.67	3755.06	0.76	ppb
Terbium	159-1				116		%
Terbium	159-2				110		%
Thallium	203-1	0.13	0.17	0.16	0.15	13.88	ppb
Thallium	205-1	0.16	0.16	0.16	0.16	1.17	ppb
Tin	118-1	0.06	0.09	0.05	0.07	24.94	ppb
Titanium	47-1	0.21	0.21	0.29	0.24	18.36	ppb
Uranium	238-1	0.00	0.00	0.00	0.00	223.91	ppb
Vanadium	51-2	0.22	0.18	0.16	0.19	16.82	ppb
Yttrium	89-1				109		%
Yttrium	89-2				105		%
Zinc	66-2	766.09	733.10	720.49	739.89	3.18	ppb
Zirconium	90-1	0.00	0.01	0.00	0.00	61.01	ppb

LB Number :	LB90073	Operator :	Jaswal
Lab Sample ID :	I5193-06RE	Instrumnet Name :	P8
Client Sample ID :	MBDD17	Dilution Factor :	1
Date & Time Acquired ::	2017-09-14 13:03:36	DataFile Name :	032SMPL_P8091417 MS

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

LB Number :	LB90073	Operator :	Jaswal
Lab Sample ID :	CCV023	Instrumnet Name :	P8
Client Sample ID :	CCV023	Dilution Factor :	1
Date & Time Acquired ::	2017-09-14 13:06:43	DataFile Name :	033CCV_P8091417 MS.I

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	50542.28	50395.57	48673.58	49870.48	2.08	ppb
Antimony	121-1	514.87	508.96	519.85	514.56	1.06	ppb
Arsenic	75-2	500.13	499.98	506.93	502.35	0.79	ppb
Barium	135-1	2593.36	2617.59	2637.49	2616.15	0.84	ppb
Barium	137-1	2597.64	2564.50	2609.37	2590.51	0.90	ppb
Beryllium	9-1	520.64	520.48	515.81	518.98	0.53	ppb
Bismuth	209-1				110		%
Bismuth	209-2				103		%
Boron	10-1	505.15	518.00	516.36	513.17	1.36	ppb
Boron	11-1	516.33	521.54	518.76	518.88	0.50	ppb
Cadmium	111-1	497.81	493.46	502.39	497.89	0.90	ppb
Cadmium	106-1	511.03	500.30	506.21	505.85	1.06	ppb
Cadmium	108-1	511.66	497.74	518.59	509.33	2.08	ppb
Calcium	43-1	247682.51	245448.76	243959.08	245696.79	0.76	ppb
Calcium	44-1	243199.84	240575.19	241777.10	241850.71	0.54	ppb
Chromium	52-2	503.51	497.73	485.87	495.71	1.81	ppb
Cobalt	59-2	485.57	485.52	473.28	481.46	1.47	ppb
Copper	63-2	975.41	984.72	947.64	969.26	1.99	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				112		%
Holmium	165-2				107		%
Indium	115-1				103		%
Indium	115-2				97		%
Iron	56-2	125036.57	124380.81	120665.18	123360.85	1.91	ppb
Iron	57-2	126717.76	126657.63	121962.54	125112.64	2.18	ppb
Lead	206-1	510.86	520.58	521.44	517.63	1.13	ppb
Lead	207-1	516.07	525.86	515.36	519.10	1.13	ppb
Lead	208-1	513.43	520.32	518.24	517.33	0.68	ppb
Lithium	6-1				110		%
Magnesium	24-2	252490.32	252249.91	242743.48	249161.24	2.23	ppb
Manganese	55-2	1017.63	1010.60	973.81	1000.68	2.35	ppb

LB Number :	LB90073	Operator :	Jaswal
Lab Sample ID :	CCV023	Instrumnet Name :	P8
Client Sample ID :	CCV023	Dilution Factor :	1
Date & Time Acquired ::	2017-09-14 13:06:43	DataFile Name :	033CCV_P8091417 MS.I

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Molybdenum	94-1	518.25	519.55	526.58	521.46	0.86	ppb
Molybdenum	95-1	514.56	520.34	518.60	517.83	0.57	ppb
Molybdenum	96-1	524.80	526.25	527.37	526.14	0.24	ppb
Molybdenum	97-1	503.38	505.74	507.95	505.69	0.45	ppb
Molybdenum	98-1	513.97	515.88	514.55	514.80	0.19	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	487.21	486.44	473.17	482.27	1.64	ppb
Phosphorus	31-2	10760.93	9578.68	9374.19	9904.60	7.56	ppb
Potassium	39-2	127478.04	126836.64	121726.37	125347.02	2.51	ppb
Rhodium	103-1				99		%
Rhodium	103-2				100		%
Scandium	45-1				103		%
Scandium	45-2				103		%
Selenium	77-2	446.31	442.19	455.66	448.05	1.54	ppb
Selenium	78-2	503.18	504.48	520.01	509.22	1.84	ppb
Selenium	82-1	500.05	505.78	499.26	501.70	0.71	ppb
Silicon	28-1	539.90	528.85	533.45	534.07	1.04	ppb
Silver	109-1	502.63	492.90	510.20	501.91	1.73	ppb
Silver	107-1	505.68	499.31	509.25	504.74	1.00	ppb
Sodium	23-2	250562.74	252183.28	242200.14	248315.39	2.16	ppb
Strontium	86-1	513.22	518.84	520.71	517.59	0.75	ppb
Strontium	88-1	524.47	525.68	533.99	528.05	0.98	ppb
Sulfur	34-1	10293.07	9852.11	9603.12	9916.10	3.52	ppb
Terbium	159-1				112		%
Terbium	159-2				107		%
Thallium	203-1	509.12	516.50	517.23	514.29	0.87	ppb
Thallium	205-1	507.66	510.42	512.96	510.34	0.52	ppb
Tin	118-1	525.34	516.45	527.25	523.01	1.10	ppb
Titanium	47-1	510.38	506.79	510.56	509.24	0.42	ppb
Uranium	238-1	513.32	514.15	518.29	515.25	0.52	ppb
Vanadium	51-2	508.50	503.13	490.50	500.71	1.85	ppb
Yttrium	89-1				103		%
Yttrium	89-2				100		%
Zinc	66-2	978.33	973.26	946.72	966.10	1.76	ppb
Zirconium	90-1	519.52	514.25	516.93	516.90	0.51	ppb

LB Number :	LB90073	Operator :	Jaswal
Lab Sample ID :	CCV023	Instrumnet Name :	P8
Client Sample ID :	CCV023	Dilution Factor :	1
Date & Time Acquired ::	2017-09-14 13:06:43	DataFile Name :	033CCV_P8091417 MS.I

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	91-1	528.84	520.15	514.60	521.20	1.38	ppb

LB Number :	LB90073	Operator :	Jaswal
Lab Sample ID :	CCB023	Instrumnet Name :	P8
Client Sample ID :	CCB023	Dilution Factor :	1
Date & Time Acquired ::	2017-09-14 13:09:40	DataFile Name :	034CCBE_P8091417 MS

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	4.34	-4.74	0.21	-0.07		ppb
Antimony	121-1	0.30	0.28	0.29	0.29	3.95	ppb
Arsenic	75-2	0.10	0.09	0.03	0.07	53.10	ppb
Barium	135-1	0.22	0.34	0.33	0.30	22.40	ppb
Barium	137-1	0.28	0.31	0.32	0.30	6.56	ppb
Beryllium	9-1	0.25	0.21	0.19	0.22	13.38	ppb
Bismuth	209-1				110		%
Bismuth	209-2				107		%
Boron	10-1	16.21	14.83	15.56	15.53	4.43	ppb
Boron	11-1	15.93	14.75	14.13	14.94	6.14	ppb
Cadmium	111-1	-0.08	-0.04	-0.11	-0.07		ppb
Cadmium	106-1	-2.59	-1.77	-2.50	-2.29		ppb
Cadmium	108-1	0.18	0.07	0.08	0.11	55.88	ppb
Calcium	43-1	17.63	20.17	19.56	19.12	6.94	ppb
Calcium	44-1	28.68	27.31	37.02	31.01	16.94	ppb
Chromium	52-2	-0.06	-0.03	-0.02	-0.04		ppb
Cobalt	59-2	0.08	0.05	-0.01	0.04	105.09	ppb
Copper	63-2	0.22	0.09	0.04	0.12	75.79	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				107		%
Holmium	165-2				104		%
Indium	115-1				102		%
Indium	115-2				100		%
Iron	56-2	19.06	9.95	4.49	11.17	65.92	ppb
Iron	57-2	20.06	10.68	2.83	11.19	77.13	ppb
Lead	206-1	0.07	0.11	0.11	0.10	25.43	ppb
Lead	207-1	0.08	0.07	0.12	0.09	28.42	ppb
Lead	208-1	0.07	0.09	0.10	0.08	18.20	ppb
Lithium	6-1				106		%
Magnesium	24-2	37.01	16.01	1.28	18.10	99.19	ppb
Manganese	55-2	-0.08	-0.10	-0.16	-0.11		ppb

LB Number :	LB90073	Operator :	Jaswal
Lab Sample ID :	CCB023	Instrumnet Name :	P8
Client Sample ID :	CCB023	Dilution Factor :	1
Date & Time Acquired ::	2017-09-14 13:09:40	DataFile Name :	034CCBE_P8091417 MS

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Molybdenum	94-1	0.10	0.12	0.10	0.11	11.66	ppb
Molybdenum	95-1	0.13	0.14	0.15	0.14	7.73	ppb
Molybdenum	96-1	0.13	0.15	0.13	0.14	9.39	ppb
Molybdenum	97-1	0.19	0.12	0.15	0.16	22.30	ppb
Molybdenum	98-1	0.15	0.15	0.10	0.14	20.79	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	-0.09	-0.14	-0.17	-0.13		ppb
Phosphorus	31-2	9.64	9.90	-8.65	3.63	293.20	ppb
Potassium	39-2	24.96	23.00	8.78	18.92	46.69	ppb
Rhodium	103-1				101		%
Rhodium	103-2				103		%
Scandium	45-1				100		%
Scandium	45-2				101		%
Selenium	77-2	-1.50	-1.50	-1.50	-1.50		ppb
Selenium	78-2	0.27	-0.46	-0.53	-0.24		ppb
Selenium	82-1	-0.77	-0.09	-0.86	-0.57		ppb
Silicon	28-1	-13.36	-18.96	-14.77	-15.70		ppb
Silver	109-1	0.17	0.12	0.13	0.14	16.59	ppb
Silver	107-1	0.12	0.11	0.14	0.13	13.43	ppb
Sodium	23-2	89.01	72.43	37.21	66.21	39.95	ppb
Strontium	86-1	0.13	0.11	0.06	0.10	35.24	ppb
Strontium	88-1	0.06	0.07	0.08	0.07	12.96	ppb
Sulfur	34-1	-961.86	-1223.00	-845.95	-1010.27		ppb
Terbium	159-1				107		%
Terbium	159-2				104		%
Thallium	203-1	0.10	0.11	0.12	0.11	8.09	ppb
Thallium	205-1	0.10	0.10	0.10	0.10	1.09	ppb
Tin	118-1	0.18	0.19	0.19	0.19	1.74	ppb
Titanium	47-1	0.00	0.00	0.10	0.03	172.17	ppb
Uranium	238-1	0.06	0.06	0.08	0.07	19.25	ppb
Vanadium	51-2	0.10	0.04	0.03	0.06	69.92	ppb
Yttrium	89-1				100		%
Yttrium	89-2				99		%
Zinc	66-2	0.12	0.17	0.18	0.16	22.34	ppb
Zirconium	90-1	0.08	0.08	0.07	0.08	1.12	ppb

LB Number :	LB90073	Operator :	Jaswal
Lab Sample ID :	CCB023	Instrumnet Name :	P8
Client Sample ID :	CCB023	Dilution Factor :	1
Date & Time Acquired ::	2017-09-14 13:09:40	DataFile Name :	034CCBE_P8091417 MS

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	91-1	0.08	0.10	0.07	0.08	16.59	ppb

LB Number :	LB90073	Operator :	Jaswal
Lab Sample ID :	S00	Instrumnet Name :	P8
Client Sample ID :	S00	Dilution Factor :	1
Date & Time Acquired ::	2017-09-14 11:21:21	DataFile Name :	003CALB_P8091417 MS

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	8	58	25	31	83.33	cps
Antimony	121-1	58	58	92	69	27.71	cps
Arsenic	75-2	7	4	7	6	34.70	cps
Barium	135-1	33	58	33	42	34.65	cps
Barium	137-1	67	100	75	81	21.53	cps
Beryllium	9-1	244	167	211	207	18.82	cps
Bismuth	209-1	5408783	5050915	5294025	5251241	3.48	cps
Bismuth	209-2	1611977	1668140	1712786	1664301	3.04	cps
Boron	10-1	242	217	233	231	5.52	cps
Boron	11-1	1108	1108	1025	1081	4.45	cps
Cadmium	111-1	1395	1291	1375	1354	4.10	cps
Cadmium	106-1	1984	1842	1967	1931	4.01	cps
Cadmium	108-1	8	4	8	7	34.59	cps
Calcium	43-1	2050	2067	1934	2017	3.60	cps
Calcium	44-1	31920	30635	31553	31369	2.11	cps
Chromium	52-2	660	757	760	726	7.83	cps
Cobalt	59-2	53	53	60	56	6.93	cps
Copper	63-2	320	353	300	324	8.31	cps
Dysprosium	156-1	33	8	0	14	124.91	cps
Dysprosium	156-2	0	7	3	3	100.05	cps
Erbium	164-1	58	25	25	36	53.30	cps
Erbium	164-2	10	3	7	7	50.03	cps
Gadolinium	160-1	83	58	83	75	19.24	cps
Gadolinium	160-2	17	17	7	13	43.29	cps
Holmium	165-1	8803640	8323523	8743385	8623516	3.03	cps
Holmium	165-2	2087146	2137648	2142596	2122463	1.45	cps
Indium	115-1	7916069	7498072	7847131	7753757	2.89	cps
Indium	115-2	351774	365519	371134	362809	2.75	cps
Iron	56-2	2278	1906	2128	2104	8.90	cps
Iron	57-2	78	56	61	65	17.84	cps
Lead	206-1	600	600	556	585	4.39	cps
Lead	207-1	533	528	572	544	4.45	cps
Lead	208-1	2406	2439	2378	2408	1.27	cps
Lithium	6-1	1247239	1195784	1231293	1224772	2.15	cps
Magnesium	24-2	375	350	392	372	5.63	cps
Manganese	55-2	93	97	117	102	12.35	cps

LB Number :	LB90073	Operator :	Jaswal
Lab Sample ID :	S00	Instrumnet Name :	P8
Client Sample ID :	S00	Dilution Factor :	1
Date & Time Acquired ::	2017-09-14 11:21:21	DataFile Name :	003CALB_P8091417 MS

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Molybdenum	94-1	158	233	217	203	19.42	cps
Molybdenum	95-1	58	50	83	64	27.15	cps
Molybdenum	96-1	58	75	100	78	26.96	cps
Molybdenum	97-1	83	100	125	103	20.40	cps
Molybdenum	98-1	67	75	25	56	48.22	cps
Neodymium	150-1	0	0	20	7	173.21	cps
Neodymium	150-2	0	0	0	0	0.00	cps
Nickel	60-2	273	267	317	286	9.51	cps
Phosphorus	31-2	0	0	8	3	173.21	cps
Potassium	39-2	3159	3067	3134	3120	1.52	cps
Rhodium	103-1	7595206	7126932	7394899	7372346	3.19	cps
Rhodium	103-2	1983327	2039967	2064473	2029256	2.05	cps
Scandium	45-1	4935401	4634993	4797665	4789353	3.14	cps
Scandium	45-2	39379	40468	41307	40385	2.39	cps
Selenium	77-2	0	0	3	1	173.21	cps
Selenium	78-2	4	6	6	5	21.74	cps
Selenium	82-1	19	-25	12	2	1138.38	cps
Silicon	28-1	452765	442136	450224	448375	1.24	cps
Silver	109-1	50	100	42	64	49.39	cps
Silver	107-1	100	125	175	133	28.64	cps
Sodium	23-2	8470	8286	7828	8194	4.04	cps
Strontium	86-1	900	733	925	853	12.22	cps
Strontium	88-1	183	175	150	169	10.24	cps
Sulfur	34-1	407244	403249	403082	404525	0.58	cps
Terbium	159-1	9250016	8817107	9068238	9045120	2.40	cps
Terbium	159-2	2002839	2064849	2086076	2051254	2.11	cps
Thallium	203-1	183	250	217	217	15.39	cps
Thallium	205-1	458	517	417	464	10.83	cps
Tin	118-1	775	583	758	706	15.05	cps
Titanium	47-1	142	208	158	169	20.48	cps
Uranium	238-1	100	50	75	75	33.33	cps
Vanadium	51-2	13	20	10	14	35.26	cps
Yttrium	89-1	8569389	7953906	8362492	8295262	3.78	cps
Yttrium	89-2	263911	270939	277175	270675	2.45	cps
Zinc	66-2	57	57	67	60	9.62	cps
Zirconium	90-1	442	533	550	508	11.48	cps

LB Number :	LB90073	Operator :	Jaswal
Lab Sample ID :	S00	Instrumnet Name :	P8
Client Sample ID :	S00	Dilution Factor :	1
Date & Time Acquired ::	2017-09-14 11:21:21	DataFile Name :	003CALB_P8091417 MS

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	91-1	75	108	117	100	22.05	cps

LB Number :	LB90073	Operator :	Jaswal
Lab Sample ID :	S02	Instrumnet Name :	P8
Client Sample ID :	S02	Dilution Factor :	1
Date & Time Acquired ::	2017-09-14 11:28:31	DataFile Name :	005CAL5_P8091417 MS

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	100	150	175	142	26.95	cps
Antimony	121-1	14934	14800	15101	14945	1.01	cps
Arsenic	75-2	96	89	104	96	7.69	cps
Barium	135-1	15476	16035	14809	15440	3.98	cps
Barium	137-1	25776	27029	26995	26600	2.68	cps
Beryllium	9-1	1467	1345	1378	1396	4.53	cps
Bismuth	209-1	5145262	5215349	5098573	5153061	1.14	cps
Bismuth	209-2	1801067	1791276	1588389	1726911	6.95	cps
Boron	10-1	3326	3576	3559	3487	4.01	cps
Boron	11-1	15200	15634	15776	15537	1.93	cps
Cadmium	111-1	2924	2926	2884	2911	0.82	cps
Cadmium	106-1	1992	2025	1792	1936	6.52	cps
Cadmium	108-1	154	167	125	149	14.39	cps
Calcium	43-1	10496	10588	10696	10593	0.95	cps
Calcium	44-1	171985	172978	171866	172276	0.35	cps
Chromium	52-2	2604	2594	2557	2585	0.95	cps
Cobalt	59-2	1977	1793	1920	1897	4.95	cps
Copper	63-2	3761	3634	3611	3668	2.20	cps
Dysprosium	156-1	25	25	0	17	86.60	cps
Dysprosium	156-2	0	0	0	0	0.00	cps
Erbium	164-1	42	58	92	64	39.85	cps
Erbium	164-2	0	7	13	7	99.98	cps
Gadolinium	160-1	125	67	25	72	69.55	cps
Gadolinium	160-2	10	10	20	13	43.30	cps
Holmium	165-1	8540154	8588889	8469977	8533007	0.70	cps
Holmium	165-2	2241319	2237023	2032528	2170290	5.50	cps
Indium	115-1	7647711	7714361	7592185	7651419	0.80	cps
Indium	115-2	382467	380435	346788	369897	5.42	cps
Iron	56-2	29749	29170	29855	29591	1.25	cps
Iron	57-2	845	794	783	807	4.03	cps
Lead	206-1	5201	5107	5096	5135	1.13	cps
Lead	207-1	4456	4662	4462	4527	2.59	cps
Lead	208-1	20363	20674	20479	20505	0.77	cps
Lithium	6-1	1238810	1227603	1205079	1223831	1.40	cps
Magnesium	24-2	15517	14984	15342	15281	1.78	cps
Manganese	55-2	363	327	263	318	15.92	cps

LB Number :	LB90073	Operator :	Jaswal
Lab Sample ID :	S02	Instrumnet Name :	P8
Client Sample ID :	S02	Dilution Factor :	1
Date & Time Acquired ::	2017-09-14 11:28:31	DataFile Name :	005CAL5_P8091417 MS

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Molybdenum	94-1	12898	12948	12923	12923	0.19	cps
Molybdenum	95-1	15535	15384	15977	15632	1.97	cps
Molybdenum	96-1	18697	17629	18205	18177	2.94	cps
Molybdenum	97-1	10263	10213	10129	10202	0.66	cps
Molybdenum	98-1	25467	25391	25717	25525	0.67	cps
Neodymium	150-1	7	20	13	13	49.99	cps
Neodymium	150-2	0	0	0	0	0.00	cps
Nickel	60-2	870	933	897	900	3.53	cps
Phosphorus	31-2	8	8	0	6	86.60	cps
Potassium	39-2	12014	11138	12256	11803	4.98	cps
Rhodium	103-1	7247002	7302697	7207168	7252289	0.66	cps
Rhodium	103-2	2131769	2148849	1948519	2076379	5.35	cps
Scandium	45-1	4829462	4819986	4765349	4804932	0.72	cps
Scandium	45-2	43367	43768	39009	42048	6.28	cps
Selenium	77-2	0	7	3	3	100.05	cps
Selenium	78-2	15	19	6	13	51.49	cps
Selenium	82-1	512	380	492	461	15.46	cps
Silicon	28-1	502951	510136	504423	505837	0.75	cps
Silver	109-1	10563	10054	10046	10221	2.90	cps
Silver	107-1	11205	11063	10997	11088	0.96	cps
Sodium	23-2	44044	45482	45232	44919	1.71	cps
Strontium	86-1	3226	3017	3359	3201	5.38	cps
Strontium	88-1	19632	19189	19323	19381	1.17	cps
Sulfur	34-1	425792	421802	424032	423876	0.47	cps
Terbium	159-1	8970390	9142652	8965815	9026286	1.12	cps
Terbium	159-2	2162207	2189254	1952511	2101324	6.17	cps
Thallium	203-1	4951	5026	5110	5029	1.58	cps
Thallium	205-1	12223	12382	12515	12373	1.18	cps
Tin	118-1	25575	25450	26368	25798	1.93	cps
Titanium	47-1	4784	4376	4793	4651	5.12	cps
Uranium	238-1	15202	15444	15168	15271	0.98	cps
Vanadium	51-2	3237	2954	2900	3030	5.97	cps
Yttrium	89-1	8100517	8332942	8135244	8189568	1.53	cps
Yttrium	89-2	285075	284466	259374	276305	5.31	cps
Zinc	66-2	353	317	333	334	5.49	cps
Zirconium	90-1	11122	11405	11380	11302	1.39	cps

LB Number :	LB90073	Operator :	Jaswal
Lab Sample ID :	S02	Instrumnet Name :	P8
Client Sample ID :	S02	Dilution Factor :	1
Date & Time Acquired ::	2017-09-14 11:28:31	DataFile Name :	005CALS_P8091417 MS

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	91-1	2500	2609	2509	2539	2.37	cps

LB Number :	LB90073	Operator :	Jaswal
Lab Sample ID :	S03	Instrumnet Name :	P8
Client Sample ID :	S03	Dilution Factor :	1
Date & Time Acquired ::	2017-09-14 11:31:58	DataFile Name :	006CAL5_P8091417 MS

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	6902	6510	6618	6677	3.03	cps
Antimony	121-1	429928	428034	429963	429308	0.26	cps
Arsenic	75-2	5953	5520	5842	5772	3.90	cps
Barium	135-1	450994	445308	446995	447766	0.65	cps
Barium	137-1	776269	782923	779090	779428	0.43	cps
Beryllium	9-1	66331	66777	65416	66174	1.05	cps
Bismuth	209-1	5404424	5371682	5448467	5408191	0.71	cps
Bismuth	209-2	1885889	1834155	1851004	1857016	1.42	cps
Boron	10-1	7494	7752	7719	7655	1.84	cps
Boron	11-1	34417	33440	35520	34459	3.02	cps
Cadmium	111-1	96880	96276	96548	96568	0.31	cps
Cadmium	106-1	11939	11539	12223	11900	2.89	cps
Cadmium	108-1	6602	6610	6756	6656	1.30	cps
Calcium	43-1	102120	100400	99544	100688	1.30	cps
Calcium	44-1	1700139	1689110	1672922	1687390	0.81	cps
Chromium	52-2	47751	48685	49159	48532	1.48	cps
Cobalt	59-2	100734	101103	100761	100866	0.20	cps
Copper	63-2	174344	174044	173268	173886	0.32	cps
Dysprosium	156-1	25	33	58	39	44.62	cps
Dysprosium	156-2	3	0	0	1	173.21	cps
Erbium	164-1	25	50	42	39	32.73	cps
Erbium	164-2	3	0	13	6	124.93	cps
Gadolinium	160-1	50	42	100	64	49.38	cps
Gadolinium	160-2	10	20	10	13	43.30	cps
Holmium	165-1	8927288	8799180	8878575	8868348	0.73	cps
Holmium	165-2	2320067	2292403	2295413	2302628	0.66	cps
Indium	115-1	7933194	7793972	7853572	7860246	0.89	cps
Indium	115-2	394672	386479	390409	390520	1.05	cps
Iron	56-2	1597505	1608514	1599333	1601784	0.37	cps
Iron	57-2	39712	39963	40738	40138	1.33	cps
Lead	206-1	233533	235621	236357	235170	0.62	cps
Lead	207-1	212954	213330	211829	212704	0.37	cps
Lead	208-1	953867	952581	955133	953861	0.13	cps
Lithium	6-1	1265974	1255108	1284770	1268617	1.18	cps
Magnesium	24-2	170496	170031	171440	170655	0.42	cps
Manganese	55-2	26064	26115	26155	26111	0.17	cps

LB Number :	LB90073	Operator :	Jaswal
Lab Sample ID :	S03	Instrumnet Name :	P8
Client Sample ID :	S03	Dilution Factor :	1
Date & Time Acquired ::	2017-09-14 11:31:58	DataFile Name :	006CAL5_P8091417 MS

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Molybdenum	94-1	344636	341971	342968	343192	0.39	cps
Molybdenum	95-1	184984	183827	182968	183926	0.55	cps
Molybdenum	96-1	242980	238681	238148	239937	1.10	cps
Molybdenum	97-1	117440	117458	115311	116736	1.06	cps
Molybdenum	98-1	299638	298157	298024	298606	0.30	cps
Neodymium	150-1	47	27	33	36	28.64	cps
Neodymium	150-2	0	3	3	2	86.60	cps
Nickel	60-2	29879	30283	30667	30276	1.30	cps
Phosphorus	31-2	442	517	508	489	8.41	cps
Potassium	39-2	52649	54457	51470	52859	2.85	cps
Rhodium	103-1	7460432	7487624	7533907	7493988	0.50	cps
Rhodium	103-2	2165912	2159328	2171640	2165627	0.28	cps
Scandium	45-1	4910128	4933857	4858137	4900707	0.79	cps
Scandium	45-2	44357	43738	44029	44041	0.70	cps
Selenium	77-2	50	57	27	44	35.44	cps
Selenium	78-2	146	133	141	140	4.64	cps
Selenium	82-1	5989	5956	5957	5967	0.31	cps
Silicon	28-1	688982	684314	685340	686212	0.36	cps
Silver	109-1	444879	446458	443844	445060	0.30	cps
Silver	107-1	470069	466111	473326	469835	0.77	cps
Sodium	23-2	425360	421397	422285	423014	0.49	cps
Strontium	86-1	118167	121940	118377	119495	1.77	cps
Strontium	88-1	1031986	1036083	1033635	1033901	0.20	cps
Sulfur	34-1	457585	454024	455530	455713	0.39	cps
Terbium	159-1	9373018	9323999	9447480	9381499	0.66	cps
Terbium	159-2	2257974	2202159	2209595	2223243	1.36	cps
Thallium	203-1	288328	291454	291144	290309	0.59	cps
Thallium	205-1	684260	698098	702194	694851	1.35	cps
Tin	118-1	294381	295101	295854	295112	0.25	cps
Titanium	47-1	53160	52483	53997	53213	1.43	cps
Uranium	238-1	878798	868897	868474	872056	0.67	cps
Vanadium	51-2	34817	35575	35462	35285	1.16	cps
Yttrium	89-1	8399204	8436191	8422378	8419258	0.22	cps
Yttrium	89-2	295628	288840	289771	291413	1.26	cps
Zinc	66-2	15789	15222	15716	15576	1.98	cps
Zirconium	90-1	662934	659748	660811	661164	0.25	cps

LB Number :	LB90073	Operator :	Jaswal
Lab Sample ID :	S03	Instrumnet Name :	P8
Client Sample ID :	S03	Dilution Factor :	1
Date & Time Acquired ::	2017-09-14 11:31:58	DataFile Name :	006CALS_P8091417 MS

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	91-1	147922	146842	145798	146854	0.72	cps

LB Number : LB90073 Operator : Jaswal
 Lab Sample ID : S04 Instrumnet Name : P8
 Client Sample ID : S04 Dilution Factor : 1
 Date & Time Acquired :: 2017-09-14 11:35:25 DataFile Name : 007CAL5_P8091417 MS

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	17086	16827	16877	16930	0.81	cps
Antimony	121-1	1052159	1046464	1055330	1051318	0.43	cps
Arsenic	75-2	13711	14083	13801	13865	1.40	cps
Barium	135-1	1086234	1091918	1083801	1087318	0.38	cps
Barium	137-1	1915231	1908864	1922198	1915431	0.35	cps
Beryllium	9-1	158846	159092	158995	158977	0.08	cps
Bismuth	209-1	5221204	5301022	5173156	5231794	1.23	cps
Bismuth	209-2	1623756	1677246	1778536	1693180	4.64	cps
Boron	10-1	17937	18413	18688	18346	2.07	cps
Boron	11-1	83568	83938	85102	84202	0.95	cps
Cadmium	111-1	231054	233910	231410	232124	0.67	cps
Cadmium	106-1	25700	25316	25675	25564	0.84	cps
Cadmium	108-1	16281	16202	16285	16256	0.29	cps
Calcium	43-1	241535	244213	241759	242502	0.61	cps
Calcium	44-1	3976054	3979559	3958571	3971395	0.28	cps
Chromium	52-2	114681	116127	115162	115323	0.64	cps
Cobalt	59-2	242844	243748	242201	242931	0.32	cps
Copper	63-2	417297	419756	416393	417815	0.42	cps
Dysprosium	156-1	33	33	17	28	34.63	cps
Dysprosium	156-2	0	0	7	2	173.21	cps
Erbium	164-1	42	42	50	44	10.82	cps
Erbium	164-2	3	17	0	7	132.33	cps
Gadolinium	160-1	67	58	58	61	7.87	cps
Gadolinium	160-2	13	3	17	11	62.48	cps
Holmium	165-1	8641036	8652581	8834373	8709330	1.25	cps
Holmium	165-2	2103484	2154331	2207256	2155024	2.41	cps
Indium	115-1	7535454	7689557	7555598	7593536	1.10	cps
Indium	115-2	351650	362905	372353	362303	2.86	cps
Iron	56-2	3827892	3864099	3813390	3835127	0.68	cps
Iron	57-2	97249	96869	96436	96851	0.42	cps
Lead	206-1	571451	571842	575171	572821	0.36	cps
Lead	207-1	511232	515765	519781	515593	0.83	cps
Lead	208-1	2327820	2327183	2333066	2329356	0.14	cps
Lithium	6-1	1204010	1212547	1206054	1207537	0.37	cps
Magnesium	24-2	415018	411997	414853	413956	0.41	cps
Manganese	55-2	63483	63169	63413	63355	0.26	cps

LB Number :	LB90073	Operator :	Jaswal
Lab Sample ID :	S04	Instrumnet Name :	P8
Client Sample ID :	S04	Dilution Factor :	1
Date & Time Acquired ::	2017-09-14 11:35:25	DataFile Name :	007CAL5_P8091417 MS

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Molybdenum	94-1	841565	846762	836584	841637	0.60	cps
Molybdenum	95-1	452419	457998	452562	454327	0.70	cps
Molybdenum	96-1	586043	588522	581749	585438	0.59	cps
Molybdenum	97-1	281662	286346	279427	282478	1.25	cps
Molybdenum	98-1	721016	724444	725612	723690	0.33	cps
Neodymium	150-1	67	107	80	84	24.12	cps
Neodymium	150-2	7	0	0	2	173.21	cps
Nickel	60-2	71308	72310	72340	71986	0.82	cps
Phosphorus	31-2	1200	1325	1217	1247	5.44	cps
Potassium	39-2	123177	123925	122489	123197	0.58	cps
Rhodium	103-1	7109342	7210091	7147300	7155578	0.71	cps
Rhodium	103-2	1966874	2007411	2089061	2021115	3.08	cps
Scandium	45-1	4698810	4761004	4724915	4728243	0.66	cps
Scandium	45-2	40218	40779	42140	41046	2.41	cps
Selenium	77-2	103	93	117	104	11.21	cps
Selenium	78-2	339	343	331	338	1.68	cps
Selenium	82-1	14736	14800	14587	14708	0.74	cps
Silicon	28-1	915287	910251	926434	917324	0.90	cps
Silver	109-1	1077910	1097995	1079080	1084995	1.04	cps
Silver	107-1	1138178	1144380	1140377	1140978	0.28	cps
Sodium	23-2	1012961	1015367	1001071	1009800	0.76	cps
Strontium	86-1	290496	288618	285314	288143	0.91	cps
Strontium	88-1	2564840	2525177	2508822	2532946	1.14	cps
Sulfur	34-1	503557	503786	501416	502920	0.26	cps
Terbium	159-1	9092646	9154869	9126944	9124820	0.34	cps
Terbium	159-2	2020341	2077685	2133910	2077312	2.73	cps
Thallium	203-1	717999	714472	711306	714592	0.47	cps
Thallium	205-1	1715079	1703320	1695546	1704648	0.58	cps
Tin	118-1	722706	722837	722896	722813	0.01	cps
Titanium	47-1	130233	129704	128166	129368	0.83	cps
Uranium	238-1	2170038	2183416	2185610	2179688	0.39	cps
Vanadium	51-2	84081	85449	84858	84796	0.81	cps
Yttrium	89-1	8173870	8193445	8101691	8156335	0.59	cps
Yttrium	89-2	263357	270364	279819	271180	3.05	cps
Zinc	66-2	36882	36665	36869	36806	0.33	cps
Zirconium	90-1	1633313	1651558	1607288	1630720	1.36	cps

LB Number :	LB90073	Operator :	Jaswal
Lab Sample ID :	S04	Instrumnet Name :	P8
Client Sample ID :	S04	Dilution Factor :	1
Date & Time Acquired ::	2017-09-14 11:35:25	DataFile Name :	007CALS_P8091417 MS

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	91-1	356860	355884	354137	355627	0.39	cps

LB Number :	LB90073	Operator :	Jaswal
Lab Sample ID :	S05	Instrumnet Name :	P8
Client Sample ID :	S05	Dilution Factor :	1
Date & Time Acquired ::	2017-09-14 11:38:47	DataFile Name :	008CAL5_P8091417 MS

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	31912	32187	33090	32396	1.90	cps
Antimony	121-1	2144841	2156972	2139744	2147186	0.41	cps
Arsenic	75-2	26611	27175	26859	26882	1.05	cps
Barium	135-1	2197745	2215519	2226165	2213143	0.65	cps
Barium	137-1	3784790	3819598	3837829	3814072	0.71	cps
Beryllium	9-1	321513	319505	322045	321021	0.42	cps
Bismuth	209-1	5213416	5283374	5385816	5294202	1.64	cps
Bismuth	209-2	1757047	1742584	1745044	1748225	0.44	cps
Boron	10-1	36990	36907	36865	36921	0.17	cps
Boron	11-1	170165	171084	172130	171127	0.57	cps
Cadmium	111-1	466109	461346	465029	464161	0.54	cps
Cadmium	106-1	49910	51014	49626	50183	1.46	cps
Cadmium	108-1	32226	33500	32373	32700	2.13	cps
Calcium	43-1	484840	478819	484353	482670	0.69	cps
Calcium	44-1	7788573	7811440	7812974	7804329	0.18	cps
Chromium	52-2	225947	225442	224731	225373	0.27	cps
Cobalt	59-2	478712	479223	470825	476253	0.99	cps
Copper	63-2	821507	826029	816486	821341	0.58	cps
Dysprosium	156-1	67	67	50	61	15.75	cps
Dysprosium	156-2	3	10	10	8	49.52	cps
Erbium	164-1	50	42	33	42	20.00	cps
Erbium	164-2	10	13	10	11	17.30	cps
Gadolinium	160-1	183	92	58	111	58.25	cps
Gadolinium	160-2	10	10	7	9	21.63	cps
Holmium	165-1	8502668	8805051	8983595	8763771	2.77	cps
Holmium	165-2	2203209	2203891	2197487	2201529	0.16	cps
Indium	115-1	7423453	7568205	7658389	7550016	1.57	cps
Indium	115-2	368554	364368	364482	365802	0.65	cps
Iron	56-2	7489803	7491270	7375598	7452224	0.89	cps
Iron	57-2	187229	189817	187713	188253	0.73	cps
Lead	206-1	1177737	1172285	1192764	1180929	0.90	cps
Lead	207-1	1075737	1050312	1073848	1066632	1.33	cps
Lead	208-1	4867945	4772836	4900935	4847239	1.37	cps
Lithium	6-1	1212022	1252745	1238397	1234388	1.67	cps
Magnesium	24-2	823930	815556	816778	818755	0.55	cps
Manganese	55-2	123893	123914	122367	123391	0.72	cps

LB Number :	LB90073	Operator :	Jaswal
Lab Sample ID :	S05	Instrumnet Name :	P8
Client Sample ID :	S05	Dilution Factor :	1
Date & Time Acquired ::	2017-09-14 11:38:47	DataFile Name :	008CAL5_P8091417 MS

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Molybdenum	94-1	1710180	1686029	1716855	1704355	0.95	cps
Molybdenum	95-1	903780	905026	910695	906500	0.41	cps
Molybdenum	96-1	1182024	1168449	1172456	1174310	0.59	cps
Molybdenum	97-1	571717	567470	560654	566614	0.98	cps
Molybdenum	98-1	1458939	1468137	1457934	1461670	0.38	cps
Neodymium	150-1	67	80	87	78	13.09	cps
Neodymium	150-2	3	0	0	1	173.21	cps
Nickel	60-2	140887	140840	139931	140553	0.38	cps
Phosphorus	31-2	2550	2450	2259	2420	6.13	cps
Potassium	39-2	235860	240439	237605	237968	0.97	cps
Rhodium	103-1	7011896	7186621	7259644	7152720	1.78	cps
Rhodium	103-2	2072560	2052073	2036405	2053679	0.88	cps
Scandium	45-1	4526245	4745965	4744198	4672136	2.70	cps
Scandium	45-2	41495	42110	41658	41754	0.76	cps
Selenium	77-2	257	207	187	217	16.64	cps
Selenium	78-2	683	624	600	636	6.75	cps
Selenium	82-1	29395	29481	29131	29336	0.62	cps
Silicon	28-1	1359538	1353966	1372744	1362083	0.71	cps
Silver	109-1	2259422	2240514	2215044	2238327	0.99	cps
Silver	107-1	2331594	2353793	2338410	2341266	0.49	cps
Sodium	23-2	2026141	2010191	2028552	2021628	0.49	cps
Strontium	86-1	580264	581293	579774	580444	0.13	cps
Strontium	88-1	4954888	4947788	5003914	4968863	0.62	cps
Sulfur	34-1	572303	573024	565977	570435	0.68	cps
Terbium	159-1	8991929	9302686	9340996	9211871	2.08	cps
Terbium	159-2	2130361	2139073	2115465	2128300	0.56	cps
Thallium	203-1	1441261	1463384	1475601	1460082	1.19	cps
Thallium	205-1	3476660	3464978	3534482	3492040	1.07	cps
Tin	118-1	1458356	1439068	1462696	1453373	0.87	cps
Titanium	47-1	259905	257775	255951	257877	0.77	cps
Uranium	238-1	4460941	4450592	4516295	4475943	0.79	cps
Vanadium	51-2	169795	169778	165549	168374	1.45	cps
Yttrium	89-1	7920037	8229568	8271473	8140359	2.36	cps
Yttrium	89-2	276306	275869	274196	275457	0.40	cps
Zinc	66-2	72699	72049	71788	72179	0.65	cps
Zirconium	90-1	3207132	3240701	3287027	3244954	1.24	cps

LB Number :	LB90073	Operator :	Jaswal
Lab Sample ID :	S05	Instrumnet Name :	P8
Client Sample ID :	S05	Dilution Factor :	1
Date & Time Acquired ::	2017-09-14 11:38:47	DataFile Name :	008CALS_P8091417 MS

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	91-1	714738	716639	723536	718305	0.64	cps

LB Number :	LB90073	Operator :	Jaswal
Lab Sample ID :	S06	Instrumnet Name :	P8
Client Sample ID :	S06	Dilution Factor :	1
Date & Time Acquired ::	2017-09-14 11:42:05	DataFile Name :	009CAL5_P8091417 MS

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	62296	61969	61500	61922	0.65	cps
Antimony	121-1	4231318	4292756	4326380	4283484	1.13	cps
Arsenic	75-2	50951	51787	51178	51305	0.84	cps
Barium	135-1	4448948	4481578	4478027	4469518	0.40	cps
Barium	137-1	7609944	7678442	7715369	7667919	0.70	cps
Beryllium	9-1	623677	637947	641107	634244	1.46	cps
Bismuth	209-1	5526317	5570488	5743591	5613466	2.05	cps
Bismuth	209-2	1650648	1682486	1746278	1693137	2.88	cps
Boron	10-1	73144	72986	76068	74066	2.34	cps
Boron	11-1	335627	343021	351931	343527	2.38	cps
Cadmium	111-1	910249	924267	928666	921061	1.04	cps
Cadmium	106-1	95018	96302	97139	96153	1.11	cps
Cadmium	108-1	63997	64533	66241	64924	1.81	cps
Calcium	43-1	939235	955990	945775	947000	0.89	cps
Calcium	44-1	15365809	15580406	15336260	15427491	0.86	cps
Chromium	52-2	427175	427608	424499	426427	0.39	cps
Cobalt	59-2	908334	920175	909555	912688	0.71	cps
Copper	63-2	1571229	1593089	1607057	1590458	1.14	cps
Dysprosium	156-1	83	50	58	64	27.15	cps
Dysprosium	156-2	0	10	13	8	89.21	cps
Erbium	164-1	42	58	58	53	18.23	cps
Erbium	164-2	10	3	10	8	49.52	cps
Gadolinium	160-1	133	100	108	114	15.23	cps
Gadolinium	160-2	30	13	20	21	39.75	cps
Holmium	165-1	9087330	9186358	9468000	9247229	2.14	cps
Holmium	165-2	2132069	2159005	2173625	2154900	0.98	cps
Indium	115-1	7588416	7685594	7886826	7720279	1.97	cps
Indium	115-2	339157	341769	344974	341967	0.85	cps
Iron	56-2	14269573	14397966	14292565	14320035	0.48	cps
Iron	57-2	362385	367067	359302	362918	1.08	cps
Lead	206-1	2483932	2491477	2542485	2505965	1.27	cps
Lead	207-1	2233287	2269402	2277442	2260044	1.04	cps
Lead	208-1	10045478	10132619	10280420	10152839	1.17	cps
Lithium	6-1	1289429	1293549	1287667	1290215	0.23	cps
Magnesium	24-2	1579069	1610809	1576913	1588930	1.19	cps
Manganese	55-2	233793	235963	231864	233873	0.88	cps

LB Number :	LB90073	Operator :	Jaswal
Lab Sample ID :	S06	Instrumnet Name :	P8
Client Sample ID :	S06	Dilution Factor :	1
Date & Time Acquired ::	2017-09-14 11:42:05	DataFile Name :	009CAL5_P8091417 MS

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Molybdenum	94-1	3336483	3391924	3415090	3381165	1.19	cps
Molybdenum	95-1	1815582	1866329	1862914	1848275	1.53	cps
Molybdenum	96-1	2393675	2395051	2391771	2393499	0.07	cps
Molybdenum	97-1	1123204	1123122	1132467	1126264	0.48	cps
Molybdenum	98-1	2903967	2927559	2926511	2919346	0.46	cps
Neodymium	150-1	160	87	160	136	31.23	cps
Neodymium	150-2	7	3	0	3	100.05	cps
Nickel	60-2	265026	269007	267054	267029	0.75	cps
Phosphorus	31-2	4051	4584	4509	4381	6.59	cps
Potassium	39-2	440025	443730	439611	441122	0.51	cps
Rhodium	103-1	7042861	7167909	7294720	7168497	1.76	cps
Rhodium	103-2	1971885	1981566	1964145	1972532	0.44	cps
Scandium	45-1	4672460	4743547	4819529	4745179	1.55	cps
Scandium	45-2	39623	40328	39549	39833	1.08	cps
Selenium	77-2	313	390	320	341	12.45	cps
Selenium	78-2	1183	1198	1156	1179	1.83	cps
Selenium	82-1	57217	58167	58324	57902	1.03	cps
Silicon	28-1	2164270	2194701	2172196	2177056	0.73	cps
Silver	109-1	4363294	4431860	4422736	4405963	0.85	cps
Silver	107-1	4579977	4524643	4612301	4572307	0.97	cps
Sodium	23-2	3755897	3850153	3788748	3798266	1.26	cps
Strontium	86-1	1132600	1152512	1154731	1146614	1.06	cps
Strontium	88-1	9725780	9970897	9924486	9873721	1.32	cps
Sulfur	34-1	700923	706384	702353	703220	0.40	cps
Terbium	159-1	9443935	9661553	9958218	9687902	2.66	cps
Terbium	159-2	2042256	2066681	2093261	2067399	1.23	cps
Thallium	203-1	3030133	3024069	3106870	3053691	1.51	cps
Thallium	205-1	7087770	7138248	7314318	7180112	1.66	cps
Tin	118-1	2927133	2949319	2979338	2951930	0.89	cps
Titanium	47-1	501514	506089	508523	505375	0.70	cps
Uranium	238-1	9189678	9205291	9396808	9263926	1.25	cps
Vanadium	51-2	317512	321822	319052	319462	0.68	cps
Yttrium	89-1	8099751	8283607	8314881	8232746	1.41	cps
Yttrium	89-2	258025	262145	262074	260748	0.90	cps
Zinc	66-2	136433	138113	136459	137002	0.70	cps
Zirconium	90-1	6309853	6389069	6412784	6370569	0.85	cps

LB Number :	LB90073	Operator :	Jaswal
Lab Sample ID :	S06	Instrumnet Name :	P8
Client Sample ID :	S06	Dilution Factor :	1
Date & Time Acquired ::	2017-09-14 11:42:05	DataFile Name :	009CALS_P8091417 MS

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	91-1	1413398	1429214	1443644	1428752	1.06	cps

LB Number :	LB90073	Operator :	Jaswal
Lab Sample ID :	S07	Instrumnet Name :	P8
Client Sample ID :	S07	Dilution Factor :	1
Date & Time Acquired ::	2017-09-14 11:48:34	DataFile Name :	011CAL5_P8091417 MS

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	119191	119442	118937	119190	0.21	cps
Antimony	121-1	9043189	8928987	8960870	8977682	0.66	cps
Arsenic	75-2	100831	100480	99001	100104	0.97	cps
Barium	135-1	9483267	9411655	9380648	9425190	0.56	cps
Barium	137-1	16453939	16391219	16463439	16436199	0.24	cps
Beryllium	9-1	1338015	1307955	1322894	1322955	1.14	cps
Bismuth	209-1	6224137	6214945	6103591	6180891	1.09	cps
Bismuth	209-2	1677296	1698227	1669469	1681664	0.88	cps
Boron	10-1	156957	155786	161396	158046	1.87	cps
Boron	11-1	720644	724346	736838	727276	1.17	cps
Cadmium	111-1	1948016	1910562	1944348	1934309	1.07	cps
Cadmium	106-1	195312	198101	197550	196988	0.75	cps
Cadmium	108-1	133233	133781	135485	134166	0.88	cps
Calcium	43-1	1983494	1946158	1973568	1967740	0.98	cps
Calcium	44-1	31574441	31496368	31574744	31548518	0.14	cps
Chromium	52-2	846410	849407	843240	846352	0.36	cps
Cobalt	59-2	1794652	1837481	1809370	1813834	1.20	cps
Copper	63-2	3104130	3082569	3089512	3092070	0.36	cps
Dysprosium	156-1	158	142	158	153	6.30	cps
Dysprosium	156-2	20	10	13	14	35.26	cps
Erbium	164-1	50	75	67	64	19.92	cps
Erbium	164-2	20	3	3	9	108.30	cps
Gadolinium	160-1	175	75	192	147	42.86	cps
Gadolinium	160-2	17	50	3	23	103.02	cps
Holmium	165-1	10155202	10094616	9988543	10079453	0.84	cps
Holmium	165-2	2174311	2175315	2126523	2158717	1.29	cps
Indium	115-1	8143798	7920627	7914093	7992839	1.64	cps
Indium	115-2	329301	333752	330423	331159	0.70	cps
Iron	56-2	27993523	27864711	27889066	27915767	0.25	cps
Iron	57-2	710038	709515	709795	709782	0.04	cps
Lead	206-1	5410640	5375867	5385112	5390540	0.33	cps
Lead	207-1	5029960	4992332	4915074	4979122	1.18	cps
Lead	208-1	22218148	22142523	22001727	22120799	0.50	cps
Lithium	6-1	1373117	1378892	1343882	1365297	1.37	cps
Magnesium	24-2	3033624	3042437	3033794	3036618	0.17	cps
Manganese	55-2	456749	456264	454341	455785	0.28	cps

LB Number :	LB90073	Operator :	Jaswal
Lab Sample ID :	S07	Instrumnet Name :	P8
Client Sample ID :	S07	Dilution Factor :	1
Date & Time Acquired ::	2017-09-14 11:48:34	DataFile Name :	011CAL5_P8091417 MS

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Molybdenum	94-1	7011114	6960266	6972794	6981391	0.38	cps
Molybdenum	95-1	3833830	3819396	3868380	3840535	0.66	cps
Molybdenum	96-1	4985837	4979970	4979678	4981828	0.07	cps
Molybdenum	97-1	2362057	2393021	2393705	2382928	0.76	cps
Molybdenum	98-1	6096423	6005734	6088854	6063670	0.83	cps
Neodymium	150-1	280	273	380	311	19.21	cps
Neodymium	150-2	3	7	3	4	43.40	cps
Nickel	60-2	526581	524602	523188	524790	0.32	cps
Phosphorus	31-2	8620	8636	8736	8664	0.73	cps
Potassium	39-2	844996	844764	836882	842214	0.55	cps
Rhodium	103-1	7556720	7371066	7320076	7415954	1.68	cps
Rhodium	103-2	1939880	2010526	1963945	1971450	1.82	cps
Scandium	45-1	4809292	4829936	4778672	4805967	0.54	cps
Scandium	45-2	38092	38907	38172	38390	1.17	cps
Selenium	77-2	690	667	677	678	1.73	cps
Selenium	78-2	2241	2271	2189	2234	1.85	cps
Selenium	82-1	118538	117484	118366	118129	0.48	cps
Silicon	28-1	3647918	3586722	3626463	3620368	0.86	cps
Silver	109-1	10557832	10479304	10493539	10510225	0.40	cps
Silver	107-1	10961690	10827258	11039184	10942711	0.98	cps
Sodium	23-2	7356303	7340134	7249788	7315408	0.78	cps
Strontium	86-1	2416010	2426977	2395397	2412794	0.66	cps
Strontium	88-1	20469936	20419580	20390787	20426768	0.20	cps
Sulfur	34-1	984553	976559	984091	981734	0.46	cps
Terbium	159-1	10640677	10493325	10429682	10521228	1.03	cps
Terbium	159-2	2092899	2102488	2091738	2095708	0.28	cps
Thallium	203-1	6665291	6627564	6664284	6652380	0.32	cps
Thallium	205-1	15860828	15682911	15907508	15817082	0.75	cps
Tin	118-1	6173629	6099741	6167727	6147032	0.67	cps
Titanium	47-1	1017456	1013889	1022089	1017811	0.40	cps
Uranium	238-1	21208512	21400706	21061054	21223424	0.80	cps
Vanadium	51-2	625274	624922	624551	624916	0.06	cps
Yttrium	89-1	8637090	8559838	8573913	8590281	0.48	cps
Yttrium	89-2	255666	258686	254683	256345	0.81	cps
Zinc	66-2	268740	268146	266543	267810	0.42	cps
Zirconium	90-1	13310531	13330380	13318828	13319913	0.07	cps

LB Number :	LB90073	Operator :	Jaswal
Lab Sample ID :	S07	Instrumnet Name :	P8
Client Sample ID :	S07	Dilution Factor :	1
Date & Time Acquired ::	2017-09-14 11:48:34	DataFile Name :	011CALS_P8091417 MS

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	91-1	2965255	2979605	2972487	2972449	0.24	cps

LB Number :	LB90073	Operator :	Jaswal
Lab Sample ID :	S08	Instrumnet Name :	P8
Client Sample ID :	S08	Dilution Factor :	1
Date & Time Acquired ::	2017-09-14 11:55:07	DataFile Name :	013CAL5_P8091417 MS

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	636764	649818	656317	647633	1.54	cps
Antimony	121-1	20500	21635	21142	21092	2.70	cps
Arsenic	75-2	44	44	41	43	4.95	cps
Barium	135-1	3276	2909	3059	3081	5.98	cps
Barium	137-1	5735	5435	5076	5415	6.09	cps
Beryllium	9-1	850	822	878	850	3.27	cps
Bismuth	209-1	5666045	5632214	5600327	5632862	0.58	cps
Bismuth	209-2	1618337	1613749	1637327	1623138	0.77	cps
Boron	10-1	7761	7469	6869	7366	6.18	cps
Boron	11-1	36096	33573	32262	33977	5.74	cps
Cadmium	111-1	1607	1674	1448	1577	7.36	cps
Cadmium	106-1	1875	1909	1684	1822	6.66	cps
Cadmium	108-1	38	17	25	26	39.73	cps
Calcium	43-1	9670663	9858576	9819080	9782773	1.01	cps
Calcium	44-1	159054549	162178712	162189279	161140847	1.12	cps
Chromium	52-2	6672	6485	6768	6642	2.17	cps
Cobalt	59-2	2297	2240	2387	2308	3.21	cps
Copper	63-2	4838	5168	4944	4983	3.38	cps
Dysprosium	156-1	67	58	42	56	22.91	cps
Dysprosium	156-2	7	3	13	8	65.47	cps
Erbium	164-1	108	83	50	81	36.33	cps
Erbium	164-2	7	3	3	4	43.40	cps
Gadolinium	160-1	108	75	75	86	22.35	cps
Gadolinium	160-2	23	27	17	22	22.91	cps
Holmium	165-1	9753352	9588965	9757730	9700016	0.99	cps
Holmium	165-2	2213961	2223606	2253333	2230300	0.92	cps
Indium	115-1	7681731	7775700	7672648	7710026	0.74	cps
Indium	115-2	345788	346202	353199	348396	1.20	cps
Iron	56-2	142819175	143223437	144941759	143661457	0.78	cps
Iron	57-2	3596953	3637792	3677442	3637396	1.11	cps
Lead	206-1	8887	8859	9243	8996	2.38	cps
Lead	207-1	7658	7575	7147	7460	3.68	cps
Lead	208-1	35415	35532	34530	35159	1.56	cps
Lithium	6-1	1308901	1319666	1342257	1323608	1.29	cps
Magnesium	24-2	15708043	15905739	16038264	15884015	1.05	cps
Manganese	55-2	1640	1707	1507	1618	6.30	cps

LB Number :	LB90073	Operator :	Jaswal
Lab Sample ID :	S08	Instrumnet Name :	P8
Client Sample ID :	S08	Dilution Factor :	1
Date & Time Acquired ::	2017-09-14 11:55:07	DataFile Name :	013CAL5_P8091417 MS

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Molybdenum	94-1	4351	4117	4476	4315	4.22	cps
Molybdenum	95-1	5285	5210	4893	5129	4.06	cps
Molybdenum	96-1	7202	7602	7619	7475	3.16	cps
Molybdenum	97-1	3567	3009	3125	3234	9.11	cps
Molybdenum	98-1	7736	7953	8169	7953	2.73	cps
Neodymium	150-1	113	113	80	102	18.83	cps
Neodymium	150-2	13	13	20	16	24.76	cps
Nickel	60-2	2020	2084	1960	2021	3.05	cps
Phosphorus	31-2	0	0	8	3	173.21	cps
Potassium	39-2	4496040	4512932	4533838	4514270	0.42	cps
Rhodium	103-1	6949926	6942789	6994650	6962455	0.40	cps
Rhodium	103-2	1952819	1942666	1937543	1944342	0.40	cps
Scandium	45-1	4766305	4776846	4722920	4755357	0.60	cps
Scandium	45-2	40121	41384	40746	40750	1.55	cps
Selenium	77-2	0	0	0	0	0.00	cps
Selenium	78-2	2	2	4	2	43.30	cps
Selenium	82-1	38	-46	10	1	8083.11	cps
Silicon	28-1	461983	471867	472951	468934	1.29	cps
Silver	109-1	1542	1467	1367	1458	6.02	cps
Silver	107-1	1584	1358	1584	1508	8.61	cps
Sodium	23-2	38591777	38832382	39173659	38865939	0.75	cps
Strontium	86-1	82759	82431	82926	82706	0.30	cps
Strontium	88-1	703381	709432	710538	707783	0.54	cps
Sulfur	34-1	387109	398174	393685	392989	1.42	cps
Terbium	159-1	10061038	10088528	10075965	10075177	0.14	cps
Terbium	159-2	2115731	2140365	2150273	2135456	0.83	cps
Thallium	203-1	2675	2667	2250	2531	9.60	cps
Thallium	205-1	6193	6018	5952	6055	2.06	cps
Tin	118-1	6018	5335	5226	5526	7.77	cps
Titanium	47-1	767	900	800	822	8.44	cps
Uranium	238-1	2450	2142	1900	2164	12.74	cps
Vanadium	51-2	163	207	117	162	27.75	cps
Yttrium	89-1	8348802	8328364	8333961	8337042	0.13	cps
Yttrium	89-2	268278	268846	275302	270809	1.44	cps
Zinc	66-2	987	1163	980	1043	9.97	cps
Zirconium	90-1	3867	3992	3842	3901	2.06	cps

LB Number :	LB90073	Operator :	Jaswal
Lab Sample ID :	S08	Instrumnet Name :	P8
Client Sample ID :	S08	Dilution Factor :	1
Date & Time Acquired ::	2017-09-14 11:55:07	DataFile Name :	013CALS_P8091417 MS

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	91-1	892	883	850	875	2.52	cps

LB Number :	LB90073	Operator :	Jaswal
Lab Sample ID :	ICV	Instrumnet Name :	P8
Client Sample ID :	ICV	Dilution Factor :	1
Date & Time Acquired ::	2017-09-14 12:09:58	DataFile Name :	016ICV_P8091417 MS.D

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	3025	3200	3217	3148	3.37	cps
Antimony	121-1	1687638	1686660	1682443	1685581	0.16	cps
Arsenic	75-2	20957	21096	20814	20955	0.67	cps
Barium	135-1	177195	174189	174781	175388	0.91	cps
Barium	137-1	302270	304450	302218	302980	0.42	cps
Beryllium	9-1	129359	128743	127555	128552	0.71	cps
Bismuth	209-1	5745008	5713214	5732783	5730335	0.28	cps
Bismuth	209-2	1830256	1843256	1840744	1838085	0.38	cps
Boron	10-1	2492	2525	2192	2403	7.64	cps
Boron	11-1	11647	10763	10421	10944	5.78	cps
Cadmium	111-1	184279	185255	183537	184357	0.47	cps
Cadmium	106-1	18572	18522	17821	18305	2.29	cps
Cadmium	108-1	12039	12339	11680	12019	2.74	cps
Calcium	43-1	39130	41011	40292	40144	2.36	cps
Calcium	44-1	667007	669587	667443	668012	0.21	cps
Chromium	52-2	87354	86334	86756	86815	0.59	cps
Cobalt	59-2	188726	188246	187828	188267	0.24	cps
Copper	63-2	162238	161938	161307	161827	0.29	cps
Dysprosium	156-1	25	25	8	19	49.50	cps
Dysprosium	156-2	0	0	3	1	173.21	cps
Erbium	164-1	83	83	67	78	12.37	cps
Erbium	164-2	17	10	10	12	31.50	cps
Gadolinium	160-1	92	158	92	114	33.80	cps
Gadolinium	160-2	10	3	7	7	50.03	cps
Holmium	165-1	9396780	9337335	9312052	9348723	0.47	cps
Holmium	165-2	2276607	2277572	2251929	2268703	0.64	cps
Indium	115-1	8146831	8049348	8072943	8089707	0.63	cps
Indium	115-2	379492	375364	380592	378483	0.73	cps
Iron	56-2	585933	580087	582206	582742	0.51	cps
Iron	57-2	14580	15036	15270	14962	2.34	cps
Lead	206-1	965143	970697	962730	966190	0.42	cps
Lead	207-1	838628	841679	844427	841578	0.34	cps
Lead	208-1	3927707	3952279	3949756	3943247	0.34	cps
Lithium	6-1	1343326	1337165	1338076	1339522	0.25	cps
Magnesium	24-2	38454	39397	38445	38765	1.41	cps
Manganese	55-2	24021	24418	24305	24248	0.84	cps

LB Number :	LB90073	Operator :	Jaswal
Lab Sample ID :	ICV	Instrumnet Name :	P8
Client Sample ID :	ICV	Dilution Factor :	1
Date & Time Acquired ::	2017-09-14 12:09:58	DataFile Name :	016ICV_P8091417 MS.D

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Molybdenum	94-1	558	508	442	503	11.64	cps
Molybdenum	95-1	367	325	233	308	22.12	cps
Molybdenum	96-1	550	475	483	503	8.18	cps
Molybdenum	97-1	233	217	250	233	7.14	cps
Molybdenum	98-1	392	433	475	433	9.62	cps
Neodymium	150-1	20	40	47	36	39.03	cps
Neodymium	150-2	0	3	0	1	173.21	cps
Nickel	60-2	55831	55835	56561	56076	0.75	cps
Phosphorus	31-2	17	17	0	11	86.60	cps
Potassium	39-2	39665	40033	39824	39841	0.46	cps
Rhodium	103-1	7575535	7659837	7647974	7627782	0.60	cps
Rhodium	103-2	2172538	2164844	2153998	2163793	0.43	cps
Scandium	45-1	4990658	4954451	4956167	4967092	0.41	cps
Scandium	45-2	43193	43086	42990	43089	0.24	cps
Selenium	77-2	167	180	130	159	16.30	cps
Selenium	78-2	594	611	533	580	7.06	cps
Selenium	82-1	23486	23615	23494	23532	0.31	cps
Silicon	28-1	434675	434086	428811	432524	0.75	cps
Silver	109-1	946296	952291	952871	950486	0.38	cps
Silver	107-1	999061	1011324	999750	1003378	0.69	cps
Sodium	23-2	164776	162256	166244	164425	1.23	cps
Strontium	86-1	6744	6368	6160	6424	4.60	cps
Strontium	88-1	44858	45435	46555	45616	1.89	cps
Sulfur	34-1	402540	404992	400237	402590	0.59	cps
Terbium	159-1	9736589	9907312	9812764	9818888	0.87	cps
Terbium	159-2	2200151	2185734	2209610	2198498	0.55	cps
Thallium	203-1	1218505	1217258	1201330	1212364	0.79	cps
Thallium	205-1	2970539	2943929	2927347	2947272	0.74	cps
Tin	118-1	1517	1517	1417	1483	3.89	cps
Titanium	47-1	175	208	192	192	8.69	cps
Uranium	238-1	150	217	117	161	31.61	cps
Vanadium	51-2	64803	63794	64622	64406	0.83	cps
Yttrium	89-1	8554629	8582323	8545511	8560821	0.22	cps
Yttrium	89-2	280370	279719	280815	280301	0.20	cps
Zinc	66-2	28520	27942	28252	28238	1.02	cps
Zirconium	90-1	850	942	767	853	10.26	cps

LB Number :	LB90073	Operator :	Jaswal
Lab Sample ID :	ICV	Instrumnet Name :	P8
Client Sample ID :	ICV	Dilution Factor :	1
Date & Time Acquired ::	2017-09-14 12:09:58	DataFile Name :	016ICV_P8091417 MS.D

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	91-1	292	350	342	328	9.63	cps

LB Number :	LB90073	Operator :	Jaswal
Lab Sample ID :	ICB	Instrumnet Name :	P8
Client Sample ID :	ICB	Dilution Factor :	1
Date & Time Acquired ::	2017-09-14 12:13:19	DataFile Name :	017CCBE_P8091417 MS

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	33	17	25	25	33.32	cps
Antimony	121-1	1217	1258	1117	1197	6.08	cps
Arsenic	75-2	4	2	7	4	65.54	cps
Barium	135-1	58	42	33	44	28.64	cps
Barium	137-1	67	67	58	64	7.53	cps
Beryllium	9-1	361	372	389	374	3.74	cps
Bismuth	209-1	5777832	5842087	5742631	5787517	0.87	cps
Bismuth	209-2	1903768	1869420	1852882	1875357	1.38	cps
Boron	10-1	1809	1733	1725	1756	2.61	cps
Boron	11-1	9045	8636	8786	8823	2.34	cps
Cadmium	111-1	1352	1300	1177	1276	7.05	cps
Cadmium	106-1	1892	1817	1642	1784	7.19	cps
Cadmium	108-1	8	25	8	14	69.31	cps
Calcium	43-1	1959	1925	1767	1884	5.44	cps
Calcium	44-1	33516	32656	32764	32979	1.42	cps
Chromium	52-2	713	743	713	723	2.39	cps
Cobalt	59-2	87	70	83	80	11.03	cps
Copper	63-2	307	223	290	273	16.13	cps
Dysprosium	156-1	8	8	8	8	0.00	cps
Dysprosium	156-2	3	0	7	3	100.05	cps
Erbium	164-1	50	8	33	31	68.64	cps
Erbium	164-2	7	0	10	6	91.64	cps
Gadolinium	160-1	83	58	58	67	21.65	cps
Gadolinium	160-2	3	17	10	10	66.70	cps
Holmium	165-1	9303646	9421373	9301045	9342021	0.74	cps
Holmium	165-2	2299846	2310028	2254185	2288020	1.30	cps
Indium	115-1	8163904	8270702	8116604	8183737	0.96	cps
Indium	115-2	385839	380933	375121	380631	1.41	cps
Iron	56-2	2395	2389	2084	2289	7.78	cps
Iron	57-2	67	72	44	61	24.05	cps
Lead	206-1	1106	1111	995	1070	6.15	cps
Lead	207-1	856	833	983	891	9.09	cps
Lead	208-1	4039	4150	4167	4119	1.69	cps
Lithium	6-1	1309303	1366767	1317090	1331053	2.34	cps
Magnesium	24-2	358	333	267	319	14.83	cps
Manganese	55-2	73	87	70	77	11.51	cps

LB Number :	LB90073	Operator :	Jaswal
Lab Sample ID :	ICB	Instrumnet Name :	P8
Client Sample ID :	ICB	Dilution Factor :	1
Date & Time Acquired ::	2017-09-14 12:13:19	DataFile Name :	017CCBE_P8091417 MS

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Molybdenum	94-1	300	292	367	319	12.87	cps
Molybdenum	95-1	125	125	83	111	21.65	cps
Molybdenum	96-1	258	275	233	256	8.21	cps
Molybdenum	97-1	192	242	83	172	47.00	cps
Molybdenum	98-1	217	217	133	189	25.47	cps
Neodymium	150-1	13	0	7	7	99.98	cps
Neodymium	150-2	0	0	0	0	0.00	cps
Nickel	60-2	250	173	290	238	24.93	cps
Phosphorus	31-2	25	8	0	11	114.58	cps
Potassium	39-2	3376	3226	3109	3237	4.13	cps
Rhodium	103-1	7673925	7863558	7682435	7739972	1.38	cps
Rhodium	103-2	2213662	2184329	2168100	2188697	1.06	cps
Scandium	45-1	5008284	5072506	4972871	5017887	1.01	cps
Scandium	45-2	43343	43337	42518	43066	1.10	cps
Selenium	77-2	3	0	7	3	100.05	cps
Selenium	78-2	4	2	2	2	43.30	cps
Selenium	82-1	-3	-72	-33	-36	-95.78	cps
Silicon	28-1	401859	411874	410712	408148	1.34	cps
Silver	109-1	333	350	325	336	3.79	cps
Silver	107-1	408	408	342	386	9.97	cps
Sodium	23-2	10621	10896	10237	10585	3.13	cps
Strontium	86-1	917	867	792	858	7.33	cps
Strontium	88-1	250	350	275	292	17.84	cps
Sulfur	34-1	395655	395246	398004	396301	0.38	cps
Terbium	159-1	9920310	9878661	9742649	9847207	0.94	cps
Terbium	159-2	2245691	2251654	2218212	2238519	0.80	cps
Thallium	203-1	517	575	567	553	5.71	cps
Thallium	205-1	1292	1392	1008	1231	16.16	cps
Tin	118-1	917	858	933	903	4.36	cps
Titanium	47-1	217	192	108	172	32.94	cps
Uranium	238-1	50	83	92	75	29.40	cps
Vanadium	51-2	17	13	20	17	20.01	cps
Yttrium	89-1	8639186	8705438	8561012	8635212	0.84	cps
Yttrium	89-2	287534	284878	284056	285490	0.64	cps
Zinc	66-2	80	77	97	84	12.69	cps
Zirconium	90-1	558	525	533	539	3.22	cps

LB Number :	LB90073	Operator :	Jaswal
Lab Sample ID :	ICB	Instrumnet Name :	P8
Client Sample ID :	ICB	Dilution Factor :	1
Date & Time Acquired ::	2017-09-14 12:13:19	DataFile Name :	017CCBE_P8091417 MS

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	91-1	100	108	125	111	11.46	cps

LB Number :	LB90073	Operator :	Jaswal
Lab Sample ID :	ICSA	Instrumnet Name :	P8
Client Sample ID :	ICSA	Dilution Factor :	1
Date & Time Acquired ::	2017-09-14 12:16:27	DataFile Name :	018ICSA_P8091417 MS.

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	572165	573915	575081	573720	0.26	cps
Antimony	121-1	10630	11080	10813	10841	2.09	cps
Arsenic	75-2	26	30	52	36	39.16	cps
Barium	135-1	2659	2592	2875	2709	5.47	cps
Barium	137-1	4476	4726	4509	4570	2.97	cps
Beryllium	9-1	700	767	639	702	9.11	cps
Bismuth	209-1	5611358	5629907	5668832	5636699	0.52	cps
Bismuth	209-2	1649367	1591242	1685097	1641902	2.89	cps
Boron	10-1	1992	2142	1900	2011	6.07	cps
Boron	11-1	9929	9537	9729	9731	2.01	cps
Cadmium	111-1	1886	1592	1563	1681	10.64	cps
Cadmium	106-1	1767	1600	1684	1684	4.95	cps
Cadmium	108-1	929	963	1004	965	3.89	cps
Calcium	43-1	1869108	1901105	1906436	1892216	1.07	cps
Calcium	44-1	30494315	30730893	30907414	30710874	0.67	cps
Chromium	52-2	17705	17878	17698	17760	0.58	cps
Cobalt	59-2	2184	2194	2074	2150	3.10	cps
Copper	63-2	12686	12703	12376	12588	1.46	cps
Dysprosium	156-1	67	50	25	47	44.41	cps
Dysprosium	156-2	13	3	23	13	75.02	cps
Erbium	164-1	50	50	67	56	17.32	cps
Erbium	164-2	20	3	17	13	66.16	cps
Gadolinium	160-1	75	108	100	94	18.37	cps
Gadolinium	160-2	20	7	23	17	52.90	cps
Holmium	165-1	9446316	9590512	9469438	9502089	0.82	cps
Holmium	165-2	2214637	2125176	2165989	2168601	2.07	cps
Indium	115-1	7826896	7771729	7874131	7824252	0.66	cps
Indium	115-2	350341	341848	349964	347384	1.38	cps
Iron	56-2	56043578	55611635	55265798	55640337	0.70	cps
Iron	57-2	1428035	1418921	1417167	1421374	0.41	cps
Lead	206-1	22437	23072	22860	22789	1.42	cps
Lead	207-1	18097	18264	18252	18204	0.51	cps
Lead	208-1	85023	86488	86757	86089	1.08	cps
Lithium	6-1	1281362	1292079	1285899	1286447	0.42	cps
Magnesium	24-2	3096562	3088088	3079778	3088143	0.27	cps
Manganese	55-2	1954	1673	1920	1849	8.27	cps

LB Number :	LB90073	Operator :	Jaswal
Lab Sample ID :	ICSA	Instrumnet Name :	P8
Client Sample ID :	ICSA	Dilution Factor :	1
Date & Time Acquired ::	2017-09-14 12:16:27	DataFile Name :	018ICSA_P8091417 MS.

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Molybdenum	94-1	3947293	3986348	3997635	3977092	0.66	cps
Molybdenum	95-1	6941276	7076336	7143556	7053723	1.46	cps
Molybdenum	96-1	7603041	7625094	7610422	7612852	0.15	cps
Molybdenum	97-1	4344236	4360478	4407964	4370893	0.76	cps
Molybdenum	98-1	11133347	11254130	11238962	11208813	0.59	cps
Neodymium	150-1	73	33	60	56	36.67	cps
Neodymium	150-2	10	13	3	9	57.30	cps
Nickel	60-2	3460	3080	3197	3246	6.00	cps
Phosphorus	31-2	44103	43275	44872	44084	1.81	cps
Potassium	39-2	1766233	1772302	1781180	1773239	0.42	cps
Rhodium	103-1	7196576	7241117	7259193	7232295	0.45	cps
Rhodium	103-2	2030319	1954552	2010875	1998582	1.97	cps
Scandium	45-1	4796594	4784581	4762636	4781270	0.36	cps
Scandium	45-2	40562	39181	39435	39726	1.85	cps
Selenium	77-2	0	3	0	1	173.21	cps
Selenium	78-2	0	2	6	2	114.63	cps
Selenium	82-1	54	-74	-92	-37	-213.23	cps
Silicon	28-1	538726	547337	545440	543834	0.83	cps
Silver	109-1	1842	2167	2334	2114	11.83	cps
Silver	107-1	1934	2159	2125	2072	5.86	cps
Sodium	23-2	7450288	7376878	7412513	7413226	0.50	cps
Strontium	86-1	78636	78065	78584	78428	0.40	cps
Strontium	88-1	674027	666517	671575	670706	0.57	cps
Sulfur	34-1	2523651	2516807	2584692	2541717	1.47	cps
Terbium	159-1	9746161	9928580	9931334	9868692	1.08	cps
Terbium	159-2	2138601	2040156	2082004	2086921	2.37	cps
Thallium	203-1	825	825	575	742	19.46	cps
Thallium	205-1	1942	1767	1759	1822	5.68	cps
Tin	118-1	2017	1709	2025	1917	9.42	cps
Titanium	47-1	1979525	1984553	1967794	1977291	0.43	cps
Uranium	238-1	417	458	408	428	6.26	cps
Vanadium	51-2	97	133	83	104	24.79	cps
Yttrium	89-1	8407566	8389824	8322117	8373169	0.54	cps
Yttrium	89-2	269914	259730	268641	266095	2.09	cps
Zinc	66-2	1717	1640	1610	1656	3.32	cps
Zirconium	90-1	1433	1442	1433	1436	0.34	cps

LB Number :	LB90073	Operator :	Jaswal
Lab Sample ID :	ICSA	Instrumnet Name :	P8
Client Sample ID :	ICSA	Dilution Factor :	1
Date & Time Acquired ::	2017-09-14 12:16:27	DataFile Name :	018ICSA_P8091417 MS.

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	91-1	342	292	408	347	16.86	cps

LB Number : LB90073 Operator : Jaswal
 Lab Sample ID : ICSAB Instrumnet Name : P8
 Client Sample ID : ICSAB Dilution Factor : 1
 Date & Time Acquired :: 2017-09-14 12:19:31 DataFile Name : 019ICSB_P8091417 MS.

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	591088	579563	586372	585674	0.99	cps
Antimony	121-1	177400	178950	179481	178610	0.61	cps
Arsenic	75-2	2084	2122	2046	2084	1.82	cps
Barium	135-1	38315	37278	39352	38315	2.71	cps
Barium	137-1	66995	66183	66426	66535	0.63	cps
Beryllium	9-1	24928	25807	25952	25562	2.17	cps
Bismuth	209-1	5466079	5511293	5635013	5537461	1.58	cps
Bismuth	209-2	1696980	1681080	1688837	1688966	0.47	cps
Boron	10-1	10905	11130	11030	11021	1.02	cps
Boron	11-1	48098	49679	50992	49590	2.92	cps
Cadmium	111-1	37757	37917	38239	37971	0.65	cps
Cadmium	106-1	6477	6260	6452	6396	1.85	cps
Cadmium	108-1	3671	3663	3746	3694	1.24	cps
Calcium	43-1	1858546	1897958	1912286	1889597	1.47	cps
Calcium	44-1	30430009	30476914	31073782	30660235	1.17	cps
Chromium	52-2	36000	35121	35154	35425	1.41	cps
Cobalt	59-2	40278	39907	39225	39804	1.34	cps
Copper	63-2	45822	45685	44956	45488	1.02	cps
Dysprosium	156-1	42	42	42	42	0.00	cps
Dysprosium	156-2	10	10	3	8	49.52	cps
Erbium	164-1	42	67	92	67	37.50	cps
Erbium	164-2	3	10	20	11	75.52	cps
Gadolinium	160-1	125	125	108	119	8.06	cps
Gadolinium	160-2	10	20	13	14	35.26	cps
Holmium	165-1	9128679	9218390	9467814	9271628	1.90	cps
Holmium	165-2	2277595	2226731	2248751	2251025	1.13	cps
Indium	115-1	7541728	7696820	7863797	7700782	2.09	cps
Indium	115-2	362273	356966	358150	359130	0.78	cps
Iron	56-2	57417317	57090871	56613212	57040467	0.71	cps
Iron	57-2	1443671	1458178	1445206	1449018	0.55	cps
Lead	206-1	121357	120740	123645	121914	1.26	cps
Lead	207-1	101811	102079	101940	101943	0.13	cps
Lead	208-1	468481	467577	477041	471033	1.11	cps
Lithium	6-1	1217118	1229780	1260198	1235699	1.79	cps
Magnesium	24-2	3169674	3138007	3164571	3157417	0.54	cps
Manganese	55-2	6448	6762	6755	6655	2.69	cps

LB Number :	LB90073	Operator :	Jaswal
Lab Sample ID :	ICSAB	Instrumnet Name :	P8
Client Sample ID :	ICSAB	Dilution Factor :	1
Date & Time Acquired ::	2017-09-14 12:19:31	DataFile Name :	019ICSB_P8091417 MS.

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Molybdenum	94-1	4293539	4319169	4412816	4341841	1.45	cps
Molybdenum	95-1	7092205	7190290	7334779	7205758	1.69	cps
Molybdenum	96-1	7775073	7878506	7922603	7858727	0.96	cps
Molybdenum	97-1	4454565	4468950	4520776	4481430	0.78	cps
Molybdenum	98-1	11249133	11427124	11530508	11402255	1.25	cps
Neodymium	150-1	33	53	13	33	60.01	cps
Neodymium	150-2	13	7	10	10	33.30	cps
Nickel	60-2	14107	14047	14031	14062	0.29	cps
Phosphorus	31-2	44805	44788	44045	44546	0.97	cps
Potassium	39-2	1792565	1789005	1789823	1790465	0.10	cps
Rhodium	103-1	6973252	7048787	7169693	7063911	1.40	cps
Rhodium	103-2	2080848	2056299	2043145	2060097	0.93	cps
Scandium	45-1	4669662	4667751	4803619	4713677	1.65	cps
Scandium	45-2	41946	41177	41478	41534	0.93	cps
Selenium	77-2	20	10	10	13	43.30	cps
Selenium	78-2	43	46	50	46	8.00	cps
Selenium	82-1	2220	2181	2124	2175	2.22	cps
Silicon	28-1	784986	782179	789725	785630	0.49	cps
Silver	109-1	161801	162977	165403	163394	1.12	cps
Silver	107-1	170160	170864	175166	172063	1.57	cps
Sodium	23-2	7645951	7621862	7610332	7626048	0.24	cps
Strontium	86-1	202061	205853	208138	205351	1.49	cps
Strontium	88-1	1784851	1793112	1825757	1801240	1.20	cps
Sulfur	34-1	2479264	2513998	2515213	2502825	0.82	cps
Terbium	159-1	9447068	9752990	9887572	9695877	2.33	cps
Terbium	159-2	2191267	2189637	2158201	2179702	0.86	cps
Thallium	203-1	121587	121838	123681	122369	0.93	cps
Thallium	205-1	291393	295388	294700	293827	0.73	cps
Tin	118-1	325092	331418	338425	331645	2.01	cps
Titanium	47-1	1979784	2025735	2034732	2013417	1.46	cps
Uranium	238-1	1042141	1041949	1070104	1051398	1.54	cps
Vanadium	51-2	12903	13073	13193	13056	1.12	cps
Yttrium	89-1	7993438	8252082	8407886	8217802	2.55	cps
Yttrium	89-2	276295	271887	271553	273245	0.97	cps
Zinc	66-2	4614	4661	4628	4634	0.52	cps
Zirconium	90-1	721547	727078	740605	729743	1.34	cps

LB Number :	LB90073	Operator :	Jaswal
Lab Sample ID :	ICSAB	Instrumnet Name :	P8
Client Sample ID :	ICSAB	Dilution Factor :	1
Date & Time Acquired ::	2017-09-14 12:19:31	DataFile Name :	019ICSB_P8091417 MS.

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	91-1	159837	161706	163453	161665	1.12	cps

LB Number :	LB90073	Operator :	Jaswal
Lab Sample ID :	CCV022	Instrumnet Name :	P8
Client Sample ID :	CCV022	Dilution Factor :	1
Date & Time Acquired ::	2017-09-14 12:29:19	DataFile Name :	022CCV_P8091417 MS.I

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	337860	338066	340301	338742	0.40	cps
Antimony	121-1	4577741	4521138	4522124	4540334	0.71	cps
Arsenic	75-2	54899	54873	54974	54915	0.09	cps
Barium	135-1	4730013	4759186	4759882	4749694	0.36	cps
Barium	137-1	8157854	8251944	8210156	8206652	0.57	cps
Beryllium	9-1	696311	694436	692834	694527	0.25	cps
Bismuth	209-1	5862322	5731565	5673130	5755672	1.68	cps
Bismuth	209-2	1760972	1697236	1708159	1722123	1.98	cps
Boron	10-1	83753	84994	85907	84885	1.27	cps
Boron	11-1	387306	394275	392438	391340	0.92	cps
Cadmium	111-1	956599	957064	960247	957970	0.21	cps
Cadmium	106-1	99901	102000	101288	101063	1.06	cps
Cadmium	108-1	66811	67463	65764	66679	1.29	cps
Calcium	43-1	5017959	5001395	4955204	4991519	0.65	cps
Calcium	44-1	81671483	81627204	81671996	81656894	0.03	cps
Chromium	52-2	460283	456182	459369	458611	0.47	cps
Cobalt	59-2	953640	958200	954702	955514	0.25	cps
Copper	63-2	1659115	1641167	1650967	1650416	0.54	cps
Dysprosium	156-1	67	58	50	58	14.29	cps
Dysprosium	156-2	10	17	20	16	32.73	cps
Erbium	164-1	50	58	92	67	33.07	cps
Erbium	164-2	7	7	0	4	86.60	cps
Gadolinium	160-1	108	125	125	119	8.06	cps
Gadolinium	160-2	23	30	3	19	73.49	cps
Holmium	165-1	9993569	9802153	9732118	9842613	1.38	cps
Holmium	165-2	2286606	2260243	2273292	2273380	0.58	cps
Indium	115-1	8080820	8027919	8036224	8048321	0.35	cps
Indium	115-2	360805	356203	361378	359462	0.79	cps
Iron	56-2	73357538	74563418	73967696	73962884	0.82	cps
Iron	57-2	1892478	1903389	1874562	1890143	0.77	cps
Lead	206-1	2630428	2609845	2604717	2614997	0.52	cps
Lead	207-1	2373279	2367283	2362197	2367586	0.23	cps
Lead	208-1	10646818	10578683	10584955	10603485	0.36	cps
Lithium	6-1	1387253	1374049	1368399	1376567	0.70	cps
Magnesium	24-2	8305406	8283644	8359137	8316062	0.47	cps
Manganese	55-2	252783	253190	253923	253299	0.23	cps

LB Number :	LB90073	Operator :	Jaswal
Lab Sample ID :	CCV022	Instrumnet Name :	P8
Client Sample ID :	CCV022	Dilution Factor :	1
Date & Time Acquired ::	2017-09-14 12:29:19	DataFile Name :	022CCV_P8091417 MS.I

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Molybdenum	94-1	3647283	3661645	3662265	3657064	0.23	cps
Molybdenum	95-1	1971321	2008770	1991736	1990609	0.94	cps
Molybdenum	96-1	2607422	2606016	2582635	2598691	0.54	cps
Molybdenum	97-1	1200578	1205321	1195011	1200303	0.43	cps
Molybdenum	98-1	3135345	3147087	3133656	3138696	0.23	cps
Neodymium	150-1	140	220	187	182	22.05	cps
Neodymium	150-2	3	0	7	3	100.05	cps
Nickel	60-2	277069	279332	279223	278541	0.46	cps
Phosphorus	31-2	4401	4484	5134	4673	8.59	cps
Potassium	39-2	2359518	2377534	2389664	2375572	0.64	cps
Rhodium	103-1	7427428	7348283	7311854	7362521	0.80	cps
Rhodium	103-2	2040782	2034160	2014409	2029784	0.68	cps
Scandium	45-1	5113127	5007920	5001081	5040709	1.25	cps
Scandium	45-2	42407	41999	42992	42466	1.18	cps
Selenium	77-2	400	363	407	390	5.98	cps
Selenium	78-2	1283	1265	1269	1272	0.77	cps
Selenium	82-1	60203	60089	60440	60244	0.30	cps
Silicon	28-1	2317987	2289461	2314679	2307375	0.68	cps
Silver	109-1	4950791	4944734	4936382	4943969	0.15	cps
Silver	107-1	5129270	5176787	5134374	5146811	0.51	cps
Sodium	23-2	20306953	20208175	20294934	20270020	0.27	cps
Strontium	86-1	1253736	1257309	1258025	1256356	0.18	cps
Strontium	88-1	10870530	10958258	10764831	10864540	0.89	cps
Sulfur	34-1	725648	728012	727765	727142	0.18	cps
Terbium	159-1	10342765	10194958	10240964	10259562	0.74	cps
Terbium	159-2	2190633	2183868	2179492	2184664	0.26	cps
Thallium	203-1	3235706	3248866	3220281	3234951	0.44	cps
Thallium	205-1	7655477	7612056	7507933	7591822	1.00	cps
Tin	118-1	3164880	3150895	3124141	3146639	0.66	cps
Titanium	47-1	540349	540984	535847	539060	0.52	cps
Uranium	238-1	10240393	10043860	9966804	10083686	1.40	cps
Vanadium	51-2	344313	344566	348133	345670	0.62	cps
Yttrium	89-1	8807813	8700510	8614644	8707655	1.11	cps
Yttrium	89-2	279478	277281	280809	279190	0.64	cps
Zinc	66-2	144486	142674	142153	143105	0.86	cps
Zirconium	90-1	6968590	6999443	6881792	6949942	0.88	cps

LB Number :	LB90073	Operator :	Jaswal
Lab Sample ID :	CCV022	Instrumnet Name :	P8
Client Sample ID :	CCV022	Dilution Factor :	1
Date & Time Acquired ::	2017-09-14 12:29:19	DataFile Name :	022CCV_P8091417 MS.I

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	91-1	1567024	1575518	1532625	1558389	1.46	cps

LB Number :	LB90073	Operator :	Jaswal
Lab Sample ID :	CCB022	Instrumnet Name :	P8
Client Sample ID :	CCB022	Dilution Factor :	1
Date & Time Acquired ::	2017-09-14 12:34:39	DataFile Name :	023CCBE_P8091417 MS

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	58	8	25	31	83.33	cps
Antimony	121-1	1442	1333	1684	1486	12.06	cps
Arsenic	75-2	6	9	6	7	31.45	cps
Barium	135-1	75	50	25	50	50.00	cps
Barium	137-1	117	92	92	100	14.43	cps
Beryllium	9-1	456	400	394	417	8.11	cps
Bismuth	209-1	5540053	5859243	5854395	5751230	3.18	cps
Bismuth	209-2	1925821	1897525	1918985	1914110	0.77	cps
Boron	10-1	2150	2400	2225	2259	5.68	cps
Boron	11-1	10479	10379	10071	10310	2.07	cps
Cadmium	111-1	1163	1219	1248	1210	3.61	cps
Cadmium	106-1	1592	1659	1709	1653	3.54	cps
Cadmium	108-1	8	0	8	6	86.60	cps
Calcium	43-1	1859	1709	1900	1822	5.53	cps
Calcium	44-1	35103	34326	33875	34435	1.80	cps
Chromium	52-2	710	733	720	721	1.62	cps
Cobalt	59-2	57	67	40	54	24.75	cps
Copper	63-2	347	330	387	354	8.22	cps
Dysprosium	156-1	25	17	42	28	45.82	cps
Dysprosium	156-2	0	0	3	1	173.21	cps
Erbium	164-1	33	33	33	33	0.02	cps
Erbium	164-2	3	7	7	6	34.70	cps
Gadolinium	160-1	67	25	83	58	51.51	cps
Gadolinium	160-2	7	7	17	10	57.72	cps
Holmium	165-1	8989049	9440116	9514090	9314418	3.05	cps
Holmium	165-2	2337955	2325420	2350441	2337939	0.54	cps
Indium	115-1	7731218	8210316	8235467	8059000	3.53	cps
Indium	115-2	386963	387951	392232	389049	0.72	cps
Iron	56-2	3234	3395	3084	3238	4.81	cps
Iron	57-2	61	100	83	81	23.95	cps
Lead	206-1	1000	1017	889	969	7.17	cps
Lead	207-1	883	995	978	952	6.29	cps
Lead	208-1	4334	4156	3995	4162	4.07	cps
Lithium	6-1	1292579	1378616	1371780	1347658	3.55	cps
Magnesium	24-2	383	383	350	372	5.17	cps
Manganese	55-2	77	80	83	80	4.17	cps

LB Number :	LB90073	Operator :	Jaswal
Lab Sample ID :	CCB022	Instrumnet Name :	P8
Client Sample ID :	CCB022	Dilution Factor :	1
Date & Time Acquired ::	2017-09-14 12:34:39	DataFile Name :	023CCBE_P8091417 MS

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Molybdenum	94-1	317	458	442	406	19.09	cps
Molybdenum	95-1	358	392	367	372	4.66	cps
Molybdenum	96-1	442	508	558	503	11.64	cps
Molybdenum	97-1	275	308	342	308	10.81	cps
Molybdenum	98-1	642	608	583	611	4.79	cps
Neodymium	150-1	0	20	0	7	173.21	cps
Neodymium	150-2	3	0	0	1	173.21	cps
Nickel	60-2	193	157	170	173	10.71	cps
Phosphorus	31-2	8	0	0	3	173.21	cps
Potassium	39-2	3909	3676	3967	3851	4.01	cps
Rhodium	103-1	7321819	7724401	7833547	7626589	3.53	cps
Rhodium	103-2	2181301	2244473	2244549	2223441	1.64	cps
Scandium	45-1	4800601	4942928	5050147	4931225	2.54	cps
Scandium	45-2	43959	43363	44383	43902	1.17	cps
Selenium	77-2	0	0	0	0	0.00	cps
Selenium	78-2	0	2	6	2	114.63	cps
Selenium	82-1	-10	-3	27	5	420.44	cps
Silicon	28-1	401363	415205	404066	406878	1.80	cps
Silver	109-1	392	433	508	444	13.30	cps
Silver	107-1	525	525	450	500	8.66	cps
Sodium	23-2	16610	16377	15667	16218	3.03	cps
Strontium	86-1	892	900	917	903	1.41	cps
Strontium	88-1	192	208	175	192	8.70	cps
Sulfur	34-1	388383	393517	392949	391616	0.72	cps
Terbium	159-1	9424791	9943573	10029742	9799368	3.34	cps
Terbium	159-2	2244254	2222654	2261785	2242898	0.87	cps
Thallium	203-1	517	550	592	553	6.80	cps
Thallium	205-1	1625	1500	1225	1450	14.11	cps
Tin	118-1	1275	1183	1292	1250	4.67	cps
Titanium	47-1	183	167	217	189	13.48	cps
Uranium	238-1	100	125	108	111	11.46	cps
Vanadium	51-2	7	10	3	7	50.03	cps
Yttrium	89-1	8226929	8572468	8674766	8491388	2.76	cps
Yttrium	89-2	287742	289259	291645	289548	0.68	cps
Zinc	66-2	63	77	63	68	11.36	cps
Zirconium	90-1	608	825	833	756	16.89	cps

LB Number :	LB90073	Operator :	Jaswal
Lab Sample ID :	CCB022	Instrumnet Name :	P8
Client Sample ID :	CCB022	Dilution Factor :	1
Date & Time Acquired ::	2017-09-14 12:34:39	DataFile Name :	023CCBE_P8091417 MS

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	91-1	133	183	108	142	26.96	cps

LB Number : LB90073 Operator : Jaswal
 Lab Sample ID : PB102313BL Instrumnet Name : P8
 Client Sample ID : PBW007 Dilution Factor : 1
 Date & Time Acquired :: 2017-09-14 12:37:46 DataFile Name : 024CCBE_P8091417 MS

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	0	17	25	14	91.65	cps
Antimony	121-1	792	825	767	795	3.68	cps
Arsenic	75-2	9	4	6	6	45.85	cps
Barium	135-1	25	42	25	31	31.50	cps
Barium	137-1	108	33	83	75	50.92	cps
Beryllium	9-1	506	422	361	430	16.88	cps
Bismuth	209-1	5304500	5468234	5315414	5362716	1.71	cps
Bismuth	209-2	1631063	1761388	1646229	1679560	4.24	cps
Boron	10-1	1909	1875	1700	1828	6.12	cps
Boron	11-1	8478	8695	8353	8508	2.03	cps
Cadmium	111-1	1091	1166	1199	1152	4.81	cps
Cadmium	106-1	1525	1617	1675	1606	4.71	cps
Cadmium	108-1	8	4	4	6	43.22	cps
Calcium	43-1	1750	1717	1775	1747	1.67	cps
Calcium	44-1	32898	32647	32355	32633	0.83	cps
Chromium	52-2	800	760	710	757	5.96	cps
Cobalt	59-2	57	80	80	72	18.65	cps
Copper	63-2	347	340	307	331	6.47	cps
Dysprosium	156-1	8	25	8	14	69.31	cps
Dysprosium	156-2	0	3	3	2	86.60	cps
Erbium	164-1	33	33	17	28	34.63	cps
Erbium	164-2	3	13	10	9	57.30	cps
Gadolinium	160-1	50	67	117	78	44.61	cps
Gadolinium	160-2	3	10	13	9	57.30	cps
Holmium	165-1	8503568	8890778	8734215	8709520	2.24	cps
Holmium	165-2	2091737	2140179	2022409	2084775	2.84	cps
Indium	115-1	7316812	7741140	7307101	7455018	3.32	cps
Indium	115-2	343238	359226	339555	347340	3.01	cps
Iron	56-2	2695	2950	2667	2771	5.64	cps
Iron	57-2	67	94	67	76	21.12	cps
Lead	206-1	989	878	922	930	6.02	cps
Lead	207-1	806	833	889	843	5.04	cps
Lead	208-1	3606	3761	3811	3726	2.88	cps
Lithium	6-1	1246438	1301472	1251713	1266541	2.40	cps
Magnesium	24-2	333	458	333	375	19.25	cps
Manganese	55-2	70	63	57	63	10.52	cps

LB Number :	LB90073	Operator :	Jaswal
Lab Sample ID :	PB102313BL	Instrumnet Name :	P8
Client Sample ID :	PBW007	Dilution Factor :	1
Date & Time Acquired ::	2017-09-14 12:37:46	DataFile Name :	024CCBE_P8091417 MS

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Molybdenum	94-1	458	542	425	475	12.65	cps
Molybdenum	95-1	242	158	225	208	21.17	cps
Molybdenum	96-1	358	275	275	303	15.89	cps
Molybdenum	97-1	142	175	200	172	16.99	cps
Molybdenum	98-1	408	317	517	414	24.19	cps
Neodymium	150-1	27	13	7	16	65.47	cps
Neodymium	150-2	0	0	0	0	0.00	cps
Nickel	60-2	147	147	187	160	14.43	cps
Phosphorus	31-2	0	25	25	17	86.60	cps
Potassium	39-2	3209	3767	3592	3523	8.11	cps
Rhodium	103-1	6895276	7283339	7003150	7060589	2.84	cps
Rhodium	103-2	1977102	2061021	1919825	1985983	3.58	cps
Scandium	45-1	4476106	4717653	4530395	4574718	2.77	cps
Scandium	45-2	39740	40345	38195	39427	2.81	cps
Selenium	77-2	0	0	0	0	0.00	cps
Selenium	78-2	0	2	7	3	124.95	cps
Selenium	82-1	-43	-31	36	-13	-339.93	cps
Silicon	28-1	423580	417784	421269	420877	0.69	cps
Silver	109-1	333	417	383	378	11.10	cps
Silver	107-1	433	442	367	414	9.93	cps
Sodium	23-2	13040	13215	12848	13034	1.41	cps
Strontium	86-1	842	900	983	908	7.84	cps
Strontium	88-1	150	167	225	181	21.81	cps
Sulfur	34-1	396522	396932	388404	393953	1.22	cps
Terbium	159-1	8959278	9248952	9060505	9089578	1.62	cps
Terbium	159-2	2003812	2057562	1985918	2015764	1.85	cps
Thallium	203-1	408	500	467	458	10.12	cps
Thallium	205-1	1092	1108	1017	1072	4.55	cps
Tin	118-1	1158	1025	1150	1111	6.72	cps
Titanium	47-1	158	133	108	133	18.75	cps
Uranium	238-1	83	100	67	83	20.00	cps
Vanadium	51-2	30	10	10	17	69.28	cps
Yttrium	89-1	7661121	8046536	7823365	7843674	2.47	cps
Yttrium	89-2	258561	269602	254161	260775	3.05	cps
Zinc	66-2	57	100	67	74	30.48	cps
Zirconium	90-1	683	975	975	878	19.18	cps

LB Number :	LB90073	Operator :	Jaswal
Lab Sample ID :	PB102313BL	Instrumnet Name :	P8
Client Sample ID :	PBW007	Dilution Factor :	1
Date & Time Acquired ::	2017-09-14 12:37:46	DataFile Name :	024CCBE_P8091417 MS

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	91-1	225	133	242	200	29.17	cps

LB Number :	LB90073	Operator :	Jaswal
Lab Sample ID :	PB102313BS	Instrumnet Name :	P8
Client Sample ID :	LCS007	Dilution Factor :	1
Date & Time Acquired ::	2017-09-14 12:40:54	DataFile Name :	025LCSE_P8091417 MS

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	225	233	300	253	16.26	cps
Antimony	121-1	33092	34980	33184	33752	3.15	cps
Arsenic	75-2	233	217	239	230	5.04	cps
Barium	135-1	32825	34571	32073	33157	3.86	cps
Barium	137-1	57777	58865	56053	57565	2.46	cps
Beryllium	9-1	2956	2723	3028	2902	5.50	cps
Bismuth	209-1	5397187	5493493	5345287	5411989	1.39	cps
Bismuth	209-2	1622976	1647132	1672890	1647666	1.51	cps
Boron	10-1	8178	8695	8987	8620	4.75	cps
Boron	11-1	38060	40065	38611	38912	2.66	cps
Cadmium	111-1	4888	4890	4570	4783	3.85	cps
Cadmium	106-1	2200	2125	1850	2059	8.95	cps
Cadmium	108-1	283	325	263	290	10.96	cps
Calcium	43-1	20566	19815	19781	20054	2.21	cps
Calcium	44-1	336917	341733	331599	336750	1.51	cps
Chromium	52-2	4044	4344	4204	4197	3.58	cps
Cobalt	59-2	3717	3901	4067	3895	4.50	cps
Copper	63-2	7032	6745	7239	7005	3.54	cps
Dysprosium	156-1	25	8	8	14	69.31	cps
Dysprosium	156-2	0	0	3	1	173.21	cps
Erbium	164-1	42	92	83	72	37.09	cps
Erbium	164-2	20	7	13	13	49.99	cps
Gadolinium	160-1	67	58	42	56	22.91	cps
Gadolinium	160-2	17	17	7	13	43.29	cps
Holmium	165-1	8834142	8994887	8687280	8838770	1.74	cps
Holmium	165-2	2084066	2143149	2136373	2121196	1.52	cps
Indium	115-1	7652341	7719199	7534825	7635455	1.22	cps
Indium	115-2	352100	357228	356493	355274	0.78	cps
Iron	56-2	223615	221635	228837	224696	1.66	cps
Iron	57-2	5546	5607	5840	5664	2.74	cps
Lead	206-1	11656	11889	11233	11593	2.87	cps
Lead	207-1	9960	10421	10249	10210	2.28	cps
Lead	208-1	46763	47586	45717	46689	2.01	cps
Lithium	6-1	1277505	1290955	1268468	1278976	0.88	cps
Magnesium	24-2	30266	30008	31920	30731	3.38	cps
Manganese	55-2	603	627	497	576	12.04	cps

LB Number :	LB90073	Operator :	Jaswal
Lab Sample ID :	PB102313BS	Instrumnet Name :	P8
Client Sample ID :	LCS007	Dilution Factor :	1
Date & Time Acquired ::	2017-09-14 12:40:54	DataFile Name :	025LCSE_P8091417 MS

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Molybdenum	94-1	29099	28723	29057	28960	0.71	cps
Molybdenum	95-1	35614	34545	35130	35097	1.53	cps
Molybdenum	96-1	39225	39684	37971	38960	2.28	cps
Molybdenum	97-1	21977	22060	20625	21554	3.74	cps
Molybdenum	98-1	56494	55950	55523	55989	0.87	cps
Neodymium	150-1	7	7	13	9	43.25	cps
Neodymium	150-2	0	0	0	0	0.00	cps
Nickel	60-2	1240	1297	1310	1282	2.90	cps
Phosphorus	31-2	25	0	17	14	91.65	cps
Potassium	39-2	20975	20524	21667	21055	2.74	cps
Rhodium	103-1	7208265	7439895	7271856	7306672	1.64	cps
Rhodium	103-2	2035117	2050080	2041856	2042351	0.37	cps
Scandium	45-1	4748155	4817543	4645898	4737199	1.82	cps
Scandium	45-2	39887	40565	41344	40599	1.80	cps
Selenium	77-2	7	3	3	4	43.40	cps
Selenium	78-2	20	22	22	22	4.94	cps
Selenium	82-1	1134	1025	1227	1128	8.95	cps
Silicon	28-1	518803	502806	501873	507827	1.87	cps
Silver	109-1	17737	17379	17370	17495	1.20	cps
Silver	107-1	18814	18146	19306	18755	3.10	cps
Sodium	23-2	86564	87686	87577	87276	0.71	cps
Strontium	86-1	5610	5476	4876	5321	7.35	cps
Strontium	88-1	42192	40160	41163	41172	2.47	cps
Sulfur	34-1	396116	400154	391279	395850	1.12	cps
Terbium	159-1	9149818	9462374	9130641	9247611	2.01	cps
Terbium	159-2	2042601	2099609	2083743	2075318	1.42	cps
Thallium	203-1	12090	12548	11864	12168	2.87	cps
Thallium	205-1	28157	28733	27806	28232	1.66	cps
Tin	118-1	57106	58135	56202	57148	1.69	cps
Titanium	47-1	9220	10079	9695	9665	4.45	cps
Uranium	238-1	35803	34674	34073	34850	2.52	cps
Vanadium	51-2	5815	6255	6462	6177	5.35	cps
Yttrium	89-1	8089934	8227521	8025448	8114301	1.27	cps
Yttrium	89-2	263401	268401	268170	266657	1.06	cps
Zinc	66-2	600	647	573	607	6.12	cps
Zirconium	90-1	26811	26042	24857	25903	3.80	cps

LB Number :	LB90073	Operator :	Jaswal
Lab Sample ID :	PB102313BS	Instrumnet Name :	P8
Client Sample ID :	LCS007	Dilution Factor :	1
Date & Time Acquired ::	2017-09-14 12:40:54	DataFile Name :	025LCSE_P8091417 MS

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	91-1	5802	5693	5635	5710	1.48	cps

LB Number :	LB90073	Operator :	Jaswal
Lab Sample ID :	PB102314BL	Instrumnet Name :	P8
Client Sample ID :	PBW007	Dilution Factor :	1
Date & Time Acquired ::	2017-09-14 12:44:03	DataFile Name :	026CCBE_P8091417 MS

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	50	42	8	33	66.15	cps
Antimony	121-1	583	483	475	514	11.73	cps
Arsenic	75-2	6	7	6	6	17.29	cps
Barium	135-1	33	50	33	39	24.75	cps
Barium	137-1	75	108	75	86	22.35	cps
Beryllium	9-1	322	311	333	322	3.45	cps
Bismuth	209-1	5111208	5431616	5473703	5338842	3.71	cps
Bismuth	209-2	1815514	1790201	1808419	1804711	0.72	cps
Boron	10-1	1584	1784	1617	1661	6.45	cps
Boron	11-1	6869	7260	7185	7105	2.93	cps
Cadmium	111-1	1193	1063	1301	1186	10.03	cps
Cadmium	106-1	1692	1492	1825	1670	10.05	cps
Cadmium	108-1	17	8	8	11	43.34	cps
Calcium	43-1	1692	1700	1625	1672	2.46	cps
Calcium	44-1	31545	31987	32614	32049	1.68	cps
Chromium	52-2	757	717	720	731	3.04	cps
Cobalt	59-2	67	50	57	58	14.52	cps
Copper	63-2	277	337	297	303	10.07	cps
Dysprosium	156-1	8	0	25	11	114.58	cps
Dysprosium	156-2	0	0	0	0	0.00	cps
Erbium	164-1	42	50	50	47	10.18	cps
Erbium	164-2	13	0	7	7	99.98	cps
Gadolinium	160-1	42	42	75	53	36.46	cps
Gadolinium	160-2	7	10	3	7	50.03	cps
Holmium	165-1	8369095	8816277	8885621	8690331	3.23	cps
Holmium	165-2	2246324	2200166	2212593	2219694	1.08	cps
Indium	115-1	7292452	7708592	7795647	7598897	3.54	cps
Indium	115-2	373282	369475	371902	371553	0.52	cps
Iron	56-2	2528	2673	2495	2565	3.68	cps
Iron	57-2	78	39	11	43	78.62	cps
Lead	206-1	1033	895	961	963	7.21	cps
Lead	207-1	872	822	850	848	2.95	cps
Lead	208-1	3867	3645	3717	3743	3.03	cps
Lithium	6-1	1225136	1278425	1314756	1272772	3.54	cps
Magnesium	24-2	358	333	342	344	3.70	cps
Manganese	55-2	63	43	80	62	29.51	cps

LB Number :	LB90073	Operator :	Jaswal
Lab Sample ID :	PB102314BL	Instrumnet Name :	P8
Client Sample ID :	PBW007	Dilution Factor :	1
Date & Time Acquired ::	2017-09-14 12:44:03	DataFile Name :	026CCBE_P8091417 MS

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Molybdenum	94-1	292	358	292	314	12.26	cps
Molybdenum	95-1	142	175	150	156	11.15	cps
Molybdenum	96-1	208	208	292	236	20.38	cps
Molybdenum	97-1	200	100	158	153	32.88	cps
Molybdenum	98-1	167	208	183	186	11.27	cps
Neodymium	150-1	20	13	7	13	49.99	cps
Neodymium	150-2	0	0	0	0	0.00	cps
Nickel	60-2	187	187	177	183	3.15	cps
Phosphorus	31-2	0	0	0	0	0.00	cps
Potassium	39-2	3401	3509	3501	3470	1.74	cps
Rhodium	103-1	6935243	7314417	7401189	7216950	3.43	cps
Rhodium	103-2	2139255	2126615	2113159	2126343	0.61	cps
Scandium	45-1	4470264	4695133	4775122	4646840	3.40	cps
Scandium	45-2	42645	41241	42417	42101	1.79	cps
Selenium	77-2	3	0	3	2	86.60	cps
Selenium	78-2	2	0	0	1	173.21	cps
Selenium	82-1	-85	73	-109	-40	-244.42	cps
Silicon	28-1	414104	418265	418972	417114	0.63	cps
Silver	109-1	425	417	350	397	10.35	cps
Silver	107-1	475	392	367	411	13.80	cps
Sodium	23-2	11739	11730	11121	11530	3.07	cps
Strontium	86-1	867	775	925	856	8.84	cps
Strontium	88-1	167	250	200	206	20.40	cps
Sulfur	34-1	394168	398672	398523	397121	0.64	cps
Terbium	159-1	8878410	9294275	9400693	9191126	3.00	cps
Terbium	159-2	2178234	2163661	2164636	2168844	0.38	cps
Thallium	203-1	267	267	367	300	19.25	cps
Thallium	205-1	717	500	717	644	19.41	cps
Tin	118-1	733	950	908	864	13.31	cps
Titanium	47-1	175	175	117	156	21.65	cps
Uranium	238-1	50	50	67	56	17.32	cps
Vanadium	51-2	20	10	17	16	32.73	cps
Yttrium	89-1	7739857	8149843	8173026	8020908	3.04	cps
Yttrium	89-2	277918	278016	280853	278929	0.60	cps
Zinc	66-2	73	23	63	53	49.61	cps
Zirconium	90-1	533	575	675	594	12.25	cps

LB Number :	LB90073	Operator :	Jaswal
Lab Sample ID :	PB102314BL	Instrumnet Name :	P8
Client Sample ID :	PBW007	Dilution Factor :	1
Date & Time Acquired ::	2017-09-14 12:44:03	DataFile Name :	026CCBE_P8091417 MS

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	91-1	108	117	92	106	12.06	cps

LB Number :	LB90073	Operator :	Jaswal
Lab Sample ID :	PB102314BS	Instrumnet Name :	P8
Client Sample ID :	LCS007	Dilution Factor :	1
Date & Time Acquired ::	2017-09-14 12:47:10	DataFile Name :	027LCSE_P8091417 MS

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	192	258	267	239	17.21	cps
Antimony	121-1	32248	32649	32967	32621	1.10	cps
Arsenic	75-2	244	217	211	224	7.97	cps
Barium	135-1	33702	33184	32967	33284	1.13	cps
Barium	137-1	57559	57133	57518	57403	0.41	cps
Beryllium	9-1	2884	2884	2661	2810	4.57	cps
Bismuth	209-1	5482368	5417469	5517862	5472567	0.93	cps
Bismuth	209-2	1842760	1799368	1769905	1804011	2.03	cps
Boron	10-1	7552	8044	7961	7852	3.35	cps
Boron	11-1	36706	37609	37074	37130	1.22	cps
Cadmium	111-1	4826	4536	4892	4751	3.99	cps
Cadmium	106-1	2175	1834	2092	2034	8.76	cps
Cadmium	108-1	258	242	258	253	3.81	cps
Calcium	43-1	20374	19798	19748	19973	1.74	cps
Calcium	44-1	329897	330829	327943	329556	0.45	cps
Chromium	52-2	4187	4187	4227	4201	0.55	cps
Cobalt	59-2	3771	4041	3647	3819	5.27	cps
Copper	63-2	7059	6919	7049	7009	1.11	cps
Dysprosium	156-1	8	33	8	17	86.62	cps
Dysprosium	156-2	3	0	3	2	86.60	cps
Erbium	164-1	58	58	92	69	27.71	cps
Erbium	164-2	13	10	13	12	15.73	cps
Gadolinium	160-1	125	92	100	106	16.44	cps
Gadolinium	160-2	13	7	10	10	33.30	cps
Holmium	165-1	9003589	8814664	8975682	8931312	1.14	cps
Holmium	165-2	2279487	2209079	2212847	2233804	1.77	cps
Indium	115-1	7915939	7795544	7838035	7849839	0.78	cps
Indium	115-2	382706	370194	369161	374020	2.02	cps
Iron	56-2	230011	224557	226115	226895	1.24	cps
Iron	57-2	5529	5601	5740	5624	1.91	cps
Lead	206-1	10699	11422	11322	11148	3.51	cps
Lead	207-1	10177	10555	10099	10277	2.37	cps
Lead	208-1	45929	46534	45155	45873	1.51	cps
Lithium	6-1	1294342	1285711	1301831	1293961	0.62	cps
Magnesium	24-2	32521	31018	31293	31611	2.53	cps
Manganese	55-2	570	683	683	646	10.14	cps

LB Number :	LB90073	Operator :	Jaswal
Lab Sample ID :	PB102314BS	Instrumnet Name :	P8
Client Sample ID :	LCS007	Dilution Factor :	1
Date & Time Acquired ::	2017-09-14 12:47:10	DataFile Name :	027LCSE_P8091417 MS

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Molybdenum	94-1	29182	28823	28748	28918	0.80	cps
Molybdenum	95-1	34528	34336	34144	34336	0.56	cps
Molybdenum	96-1	37445	38296	38213	37985	1.24	cps
Molybdenum	97-1	21701	21217	22428	21782	2.80	cps
Molybdenum	98-1	54602	53850	55272	54575	1.30	cps
Neodymium	150-1	7	7	13	9	43.25	cps
Neodymium	150-2	0	0	0	0	0.00	cps
Nickel	60-2	1347	1267	1323	1312	3.14	cps
Phosphorus	31-2	0	0	0	0	0.00	cps
Potassium	39-2	21392	20683	21626	21233	2.31	cps
Rhodium	103-1	7433139	7370676	7449431	7417748	0.56	cps
Rhodium	103-2	2199013	2109645	2114779	2141145	2.34	cps
Scandium	45-1	4862254	4784565	4848306	4831708	0.86	cps
Scandium	45-2	43360	41424	42515	42433	2.29	cps
Selenium	77-2	23	3	3	10	115.51	cps
Selenium	78-2	24	39	30	31	24.26	cps
Selenium	82-1	1116	1141	1179	1145	2.78	cps
Silicon	28-1	511819	500036	509146	507000	1.22	cps
Silver	109-1	17120	17303	17395	17273	0.81	cps
Silver	107-1	19022	17796	18021	18280	3.57	cps
Sodium	23-2	86881	85532	85666	86026	0.86	cps
Strontium	86-1	5301	4959	5785	5349	7.75	cps
Strontium	88-1	41497	40060	40144	40567	1.99	cps
Sulfur	34-1	402473	400463	405095	402677	0.58	cps
Terbium	159-1	9543524	9342405	9393712	9426547	1.11	cps
Terbium	159-2	2184750	2162356	2139029	2162045	1.06	cps
Thallium	203-1	11331	11439	11389	11386	0.48	cps
Thallium	205-1	27071	27723	26963	27253	1.51	cps
Tin	118-1	55709	56570	56152	56144	0.77	cps
Titanium	47-1	9670	9729	9845	9748	0.91	cps
Uranium	238-1	34265	33822	33346	33811	1.36	cps
Vanadium	51-2	6502	6312	6115	6309	3.07	cps
Yttrium	89-1	8290902	8337346	8318082	8315443	0.28	cps
Yttrium	89-2	287238	276151	276144	279844	2.29	cps
Zinc	66-2	617	667	573	619	7.55	cps
Zirconium	90-1	24640	25374	24932	24982	1.48	cps

LB Number :	LB90073	Operator :	Jaswal
Lab Sample ID :	PB102314BS	Instrumnet Name :	P8
Client Sample ID :	LCS007	Dilution Factor :	1
Date & Time Acquired ::	2017-09-14 12:47:10	DataFile Name :	027LCSE_P8091417 MS

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	91-1	5293	5468	5735	5499	4.05	cps

LB Number :	LB90073	Operator :	Jaswal
Lab Sample ID :	I5192-06	Instrumnet Name :	P8
Client Sample ID :	MBDD18	Dilution Factor :	1
Date & Time Acquired ::	2017-09-14 12:50:20	DataFile Name :	028SMPL_P8091417 MS

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	483	400	350	411	16.38	cps
Antimony	121-1	3526	3701	3326	3517	5.34	cps
Arsenic	75-2	50	70	52	57	19.62	cps
Barium	135-1	304206	312512	295384	304034	2.82	cps
Barium	137-1	528471	547884	516865	531073	2.95	cps
Beryllium	9-1	494	556	456	502	10.05	cps
Bismuth	209-1	5703097	5846291	5600280	5716556	2.16	cps
Bismuth	209-2	1874662	1806917	1726572	1802717	4.11	cps
Boron	10-1	11822	12147	12306	12092	2.04	cps
Boron	11-1	56220	57316	56413	56649	1.03	cps
Cadmium	111-1	1503	1571	1318	1464	8.97	cps
Cadmium	106-1	1750	1967	1617	1778	9.94	cps
Cadmium	108-1	38	38	50	42	17.32	cps
Calcium	43-1	601025	612746	589596	601122	1.93	cps
Calcium	44-1	9910877	10129720	9615587	9885395	2.61	cps
Chromium	52-2	697	703	710	703	0.95	cps
Cobalt	59-2	31041	30577	29064	30227	3.42	cps
Copper	63-2	8229	7722	7919	7957	3.21	cps
Dysprosium	156-1	33	50	25	36	35.25	cps
Dysprosium	156-2	7	13	7	9	43.25	cps
Erbium	164-1	58	83	25	56	52.68	cps
Erbium	164-2	17	20	7	14	48.02	cps
Gadolinium	160-1	100	100	50	83	34.64	cps
Gadolinium	160-2	17	23	17	19	20.36	cps
Holmium	165-1	9352534	9604394	9222900	9393276	2.07	cps
Holmium	165-2	2315874	2225719	2173639	2238411	3.21	cps
Indium	115-1	8194781	8313287	7942978	8150349	2.32	cps
Indium	115-2	382315	368253	360055	370208	3.04	cps
Iron	56-2	15959	16076	15320	15785	2.58	cps
Iron	57-2	400	406	383	396	2.92	cps
Lead	206-1	4090	4345	4256	4230	3.07	cps
Lead	207-1	3517	3578	3045	3380	8.64	cps
Lead	208-1	15838	16582	15248	15890	4.21	cps
Lithium	6-1	1318582	1359106	1303445	1327044	2.17	cps
Magnesium	24-2	273922	264727	257621	265423	3.08	cps
Manganese	55-2	69281	67643	65252	67392	3.01	cps

LB Number :	LB90073	Operator :	Jaswal
Lab Sample ID :	I5192-06	Instrumnet Name :	P8
Client Sample ID :	MBDD18	Dilution Factor :	1
Date & Time Acquired ::	2017-09-14 12:50:20	DataFile Name :	028SMPL_P8091417 MS

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Molybdenum	94-1	342	383	242	322	22.60	cps
Molybdenum	95-1	175	192	142	169	15.03	cps
Molybdenum	96-1	283	233	233	250	11.55	cps
Molybdenum	97-1	158	217	175	183	16.39	cps
Molybdenum	98-1	267	275	183	242	20.98	cps
Neodymium	150-1	47	27	60	44	37.74	cps
Neodymium	150-2	7	3	3	4	43.40	cps
Nickel	60-2	45545	44424	44026	44665	1.76	cps
Phosphorus	31-2	8	8	17	11	43.34	cps
Potassium	39-2	110716	106846	105795	107786	2.40	cps
Rhodium	103-1	7548364	7760923	7453122	7587470	2.08	cps
Rhodium	103-2	2180233	2131919	2077250	2129801	2.42	cps
Scandium	45-1	5018631	5122721	4898039	5013130	2.24	cps
Scandium	45-2	43838	42340	40749	42309	3.65	cps
Selenium	77-2	0	0	3	1	173.21	cps
Selenium	78-2	2	2	6	3	69.39	cps
Selenium	82-1	-17	-83	-30	-43	-81.68	cps
Silicon	28-1	26972596	27876921	26259778	27036432	3.00	cps
Silver	109-1	3934	4709	4568	4404	9.37	cps
Silver	107-1	4518	4243	5051	4604	8.93	cps
Sodium	23-2	3531841	3432369	3354363	3439524	2.59	cps
Strontium	86-1	702293	718296	675967	698852	3.06	cps
Strontium	88-1	6068623	6249604	5818668	6045632	3.58	cps
Sulfur	34-1	552553	563618	544152	553441	1.76	cps
Terbium	159-1	9870878	10081732	9570484	9841031	2.61	cps
Terbium	159-2	2223763	2182142	2110877	2172260	2.63	cps
Thallium	203-1	1867	2217	2184	2089	9.25	cps
Thallium	205-1	4268	4559	4218	4348	4.25	cps
Tin	118-1	1617	1775	1592	1661	5.99	cps
Titanium	47-1	483	383	475	447	12.41	cps
Uranium	238-1	67	75	100	81	21.53	cps
Vanadium	51-2	210	183	167	187	11.71	cps
Yttrium	89-1	8692003	8796580	8380725	8623103	2.51	cps
Yttrium	89-2	288280	277509	268746	278179	3.52	cps
Zinc	66-2	69463	66371	65350	67062	3.19	cps
Zirconium	90-1	933	725	758	806	13.89	cps

LB Number :	LB90073	Operator :	Jaswal
Lab Sample ID :	I5192-06	Instrumnet Name :	P8
Client Sample ID :	MBDD18	Dilution Factor :	1
Date & Time Acquired ::	2017-09-14 12:50:20	DataFile Name :	028SMPL_P8091417 MS

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	91-1	150	108	133	131	16.06	cps

LB Number :	LB90073	Operator :	Jaswal
Lab Sample ID :	I5193-06	Instrumnet Name :	P8
Client Sample ID :	MBDD17	Dilution Factor :	1
Date & Time Acquired ::	2017-09-14 12:53:27	DataFile Name :	029SMPL_P8091417 MS

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	467	467	417	450	6.42	cps
Antimony	121-1	3942	3926	3651	3840	4.27	cps
Arsenic	75-2	80	74	91	81	10.41	cps
Barium	135-1	346849	344654	345614	345706	0.32	cps
Barium	137-1	600575	606327	597367	601423	0.75	cps
Beryllium	9-1	461	506	572	513	10.90	cps
Bismuth	209-1	6202883	6099644	6057429	6119985	1.22	cps
Bismuth	209-2	1913226	1585247	1873325	1790599	9.99	cps
Boron	10-1	12940	13449	13674	13354	2.82	cps
Boron	11-1	62930	62512	62638	62693	0.34	cps
Cadmium	111-1	1584	1356	1473	1471	7.75	cps
Cadmium	106-1	1992	1709	1842	1847	7.67	cps
Cadmium	108-1	50	63	58	57	11.18	cps
Calcium	43-1	656132	649935	646861	650976	0.73	cps
Calcium	44-1	10809345	10750743	10714824	10758304	0.44	cps
Chromium	52-2	893	833	870	866	3.49	cps
Cobalt	59-2	34971	34002	33427	34133	2.29	cps
Copper	63-2	6392	6442	6201	6345	2.00	cps
Dysprosium	156-1	42	67	58	56	22.91	cps
Dysprosium	156-2	7	17	10	11	45.82	cps
Erbium	164-1	67	33	75	58	37.80	cps
Erbium	164-2	17	7	10	11	45.82	cps
Gadolinium	160-1	133	125	142	133	6.25	cps
Gadolinium	160-2	23	10	23	19	40.75	cps
Holmium	165-1	10218290	9948159	9943002	10036484	1.57	cps
Holmium	165-2	2376141	1954652	2327012	2219268	10.39	cps
Indium	115-1	8816851	8582590	8591958	8663800	1.53	cps
Indium	115-2	390722	321775	378023	363507	10.09	cps
Iron	56-2	22307	22291	22363	22320	0.17	cps
Iron	57-2	628	639	600	622	3.22	cps
Lead	206-1	6841	6535	5918	6431	7.31	cps
Lead	207-1	5168	5490	5457	5372	3.30	cps
Lead	208-1	25105	25483	24638	25075	1.69	cps
Lithium	6-1	1413071	1383409	1373011	1389830	1.50	cps
Magnesium	24-2	270129	264206	268923	267753	1.17	cps
Manganese	55-2	76384	74186	74169	74913	1.70	cps

LB Number :	LB90073	Operator :	Jaswal
Lab Sample ID :	I5193-06	Instrumnet Name :	P8
Client Sample ID :	MBDD17	Dilution Factor :	1
Date & Time Acquired ::	2017-09-14 12:53:27	DataFile Name :	029SMPL_P8091417 MS

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Molybdenum	94-1	358	258	367	328	18.39	cps
Molybdenum	95-1	100	92	75	89	14.33	cps
Molybdenum	96-1	183	333	308	275	29.22	cps
Molybdenum	97-1	175	192	150	172	12.18	cps
Molybdenum	98-1	192	250	325	256	26.15	cps
Neodymium	150-1	53	73	87	71	23.59	cps
Neodymium	150-2	0	3	3	2	86.60	cps
Nickel	60-2	55022	52616	52954	53531	2.43	cps
Phosphorus	31-2	0	0	8	3	173.21	cps
Potassium	39-2	111708	106057	106904	108223	2.82	cps
Rhodium	103-1	8179910	8019827	8000376	8066704	1.22	cps
Rhodium	103-2	2244090	1835163	2167319	2082191	10.44	cps
Scandium	45-1	5411069	5292480	5336786	5346779	1.12	cps
Scandium	45-2	44470	36789	43380	41547	10.00	cps
Selenium	77-2	3	0	0	1	173.21	cps
Selenium	78-2	0	2	9	4	132.32	cps
Selenium	82-1	-47	-38	-55	-47	-18.72	cps
Silicon	28-1	29523378	29415083	29223003	29387154	0.52	cps
Silver	109-1	3876	3742	3417	3678	6.41	cps
Silver	107-1	3926	3876	3917	3906	0.69	cps
Sodium	23-2	3544934	3490127	3477450	3504171	1.02	cps
Strontium	86-1	771969	774971	753570	766836	1.51	cps
Strontium	88-1	6646125	6653529	6557672	6619109	0.81	cps
Sulfur	34-1	573821	565549	568954	569441	0.73	cps
Terbium	159-1	10649793	10547147	10491059	10562666	0.76	cps
Terbium	159-2	2316000	1907976	2238570	2154182	10.06	cps
Thallium	203-1	1500	1467	1358	1442	5.14	cps
Thallium	205-1	3501	3326	3342	3390	2.85	cps
Tin	118-1	1467	1242	1225	1311	10.29	cps
Titanium	47-1	558	442	400	467	17.59	cps
Uranium	238-1	117	117	42	92	47.24	cps
Vanadium	51-2	180	157	167	168	6.98	cps
Yttrium	89-1	9331261	9110758	8993628	9145216	1.87	cps
Yttrium	89-2	292438	241478	282350	272089	9.92	cps
Zinc	66-2	109464	106656	105538	107219	1.89	cps
Zirconium	90-1	742	808	775	775	4.30	cps

LB Number :	LB90073	Operator :	Jaswal
Lab Sample ID :	I5193-06	Instrumnet Name :	P8
Client Sample ID :	MBDD17	Dilution Factor :	1
Date & Time Acquired ::	2017-09-14 12:53:27	DataFile Name :	029SMPL_P8091417 MS

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	91-1	150	125	125	133	10.82	cps

LB Number :	LB90073	Operator :	Jaswal
Lab Sample ID :	I5192-06RE	Instrumnet Name :	P8
Client Sample ID :	MBDD18	Dilution Factor :	1
Date & Time Acquired ::	2017-09-14 13:00:29	DataFile Name :	031SMPL_P8091417 MS

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	400	442	500	447	11.23	cps
Antimony	121-1	3201	4118	4017	3779	13.31	cps
Arsenic	75-2	81	72	81	78	6.82	cps
Barium	135-1	324525	327462	319773	323920	1.20	cps
Barium	137-1	559408	570047	563927	564461	0.95	cps
Beryllium	9-1	478	444	483	469	4.49	cps
Bismuth	209-1	6131274	6222158	6093684	6149039	1.07	cps
Bismuth	209-2	1833913	1836695	1890815	1853808	1.73	cps
Boron	10-1	11789	12272	13115	12392	5.42	cps
Boron	11-1	54906	57642	58487	57012	3.28	cps
Cadmium	111-1	1407	1273	1351	1344	5.00	cps
Cadmium	106-1	1742	1525	1659	1642	6.66	cps
Cadmium	108-1	29	33	63	42	43.59	cps
Calcium	43-1	628054	633885	623777	628572	0.81	cps
Calcium	44-1	10356660	10491035	10378972	10408889	0.69	cps
Chromium	52-2	913	880	733	842	11.37	cps
Cobalt	59-2	30804	30106	31168	30693	1.76	cps
Copper	63-2	7442	7272	7556	7423	1.92	cps
Dysprosium	156-1	50	42	42	44	10.82	cps
Dysprosium	156-2	7	7	7	7	0.00	cps
Erbium	164-1	58	83	100	81	26.03	cps
Erbium	164-2	3	10	27	13	90.16	cps
Gadolinium	160-1	150	150	75	125	34.64	cps
Gadolinium	160-2	17	10	20	16	32.73	cps
Holmium	165-1	9907852	10121940	9817900	9949231	1.57	cps
Holmium	165-2	2295185	2221832	2321824	2279613	2.27	cps
Indium	115-1	8403195	8643438	8459601	8502078	1.48	cps
Indium	115-2	371869	367130	379691	372897	1.70	cps
Iron	56-2	16221	16104	16176	16167	0.36	cps
Iron	57-2	528	444	467	480	9.00	cps
Lead	206-1	4140	4206	4084	4143	1.48	cps
Lead	207-1	3784	3745	3551	3693	3.39	cps
Lead	208-1	16366	17077	16310	16584	2.58	cps
Lithium	6-1	1353544	1399559	1356862	1369989	1.87	cps
Magnesium	24-2	264639	260720	270196	265185	1.80	cps
Manganese	55-2	68400	66350	69914	68221	2.62	cps

LB Number :	LB90073	Operator :	Jaswal
Lab Sample ID :	I5192-06RE	Instrumnet Name :	P8
Client Sample ID :	MBDD18	Dilution Factor :	1
Date & Time Acquired ::	2017-09-14 13:00:29	DataFile Name :	031SMPL_P8091417 MS

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Molybdenum	94-1	258	417	292	322	25.91	cps
Molybdenum	95-1	108	100	158	122	25.81	cps
Molybdenum	96-1	250	242	167	219	20.91	cps
Molybdenum	97-1	183	108	133	142	26.96	cps
Molybdenum	98-1	325	208	217	250	26.03	cps
Neodymium	150-1	53	40	7	33	72.11	cps
Neodymium	150-2	0	0	7	2	173.21	cps
Nickel	60-2	45601	44605	45966	45391	1.55	cps
Phosphorus	31-2	17	8	25	17	50.01	cps
Potassium	39-2	106503	104603	110859	107322	2.99	cps
Rhodium	103-1	7899095	7979737	7899977	7926269	0.58	cps
Rhodium	103-2	2121913	2138255	2195290	2151819	1.79	cps
Scandium	45-1	5178736	5262149	5118436	5186440	1.39	cps
Scandium	45-2	42140	41789	43150	42360	1.67	cps
Selenium	77-2	3	0	3	2	86.60	cps
Selenium	78-2	4	4	4	4	0.00	cps
Selenium	82-1	5	4	-83	-25	-203.01	cps
Silicon	28-1	28263103	28561105	28082244	28302151	0.85	cps
Silver	109-1	2309	2750	2925	2662	11.94	cps
Silver	107-1	2425	2784	2884	2698	8.94	cps
Sodium	23-2	3445221	3407154	3513918	3455431	1.57	cps
Strontium	86-1	735379	743032	741645	740019	0.55	cps
Strontium	88-1	6334061	6450396	6380442	6388300	0.92	cps
Sulfur	34-1	558350	563605	563666	561874	0.54	cps
Terbium	159-1	10327556	10639126	10427904	10464862	1.52	cps
Terbium	159-2	2217935	2168088	2262252	2216092	2.13	cps
Thallium	203-1	1308	1425	1350	1361	4.34	cps
Thallium	205-1	3184	3234	3042	3153	3.15	cps
Tin	118-1	1667	1550	1809	1675	7.72	cps
Titanium	47-1	350	458	417	408	13.38	cps
Uranium	238-1	100	75	83	86	14.78	cps
Vanadium	51-2	180	147	207	178	16.91	cps
Yttrium	89-1	8906463	9102590	8919238	8976097	1.22	cps
Yttrium	89-2	280818	275701	282872	279797	1.32	cps
Zinc	66-2	68692	66850	68937	68160	1.67	cps
Zirconium	90-1	700	992	725	806	20.07	cps

LB Number :	LB90073	Operator :	Jaswal
Lab Sample ID :	I5192-06RE	Instrumnet Name :	P8
Client Sample ID :	MBDD18	Dilution Factor :	1
Date & Time Acquired ::	2017-09-14 13:00:29	DataFile Name :	031SMPL_P8091417 MS

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	91-1	142	183	175	167	13.23	cps

LB Number :	LB90073	Operator :	Jaswal
Lab Sample ID :	I5193-06RE	Instrumnet Name :	P8
Client Sample ID :	MBDD17	Dilution Factor :	1
Date & Time Acquired ::	2017-09-14 13:03:36	DataFile Name :	032SMPL_P8091417 MS

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	433	350	467	417	14.42	cps
Antimony	121-1	3892	3859	4026	3926	2.25	cps
Arsenic	75-2	69	54	50	57	17.07	cps
Barium	135-1	351591	345979	345943	347838	0.93	cps
Barium	137-1	614019	602756	600805	605860	1.18	cps
Beryllium	9-1	367	467	494	443	15.19	cps
Bismuth	209-1	6241996	6122210	6156557	6173588	1.00	cps
Bismuth	209-2	1835346	1878172	1931074	1881531	2.55	cps
Boron	10-1	12740	12798	13907	13148	5.00	cps
Boron	11-1	61558	61558	60403	61173	1.09	cps
Cadmium	111-1	1480	1480	1305	1422	7.10	cps
Cadmium	106-1	1925	1917	1675	1839	7.72	cps
Cadmium	108-1	67	71	67	68	3.53	cps
Calcium	43-1	657071	652410	649249	652910	0.60	cps
Calcium	44-1	10841000	10734279	10666949	10747409	0.82	cps
Chromium	52-2	880	833	863	859	2.75	cps
Cobalt	59-2	35131	34556	33898	34528	1.79	cps
Copper	63-2	6288	6125	5995	6136	2.40	cps
Dysprosium	156-1	42	25	67	44	47.19	cps
Dysprosium	156-2	3	3	13	7	86.65	cps
Erbium	164-1	92	42	50	61	43.83	cps
Erbium	164-2	13	7	7	9	43.25	cps
Gadolinium	160-1	175	142	117	144	20.26	cps
Gadolinium	160-2	27	20	17	21	24.12	cps
Holmium	165-1	10180189	10128074	9861225	10056496	1.70	cps
Holmium	165-2	2279617	2327248	2355866	2320910	1.66	cps
Indium	115-1	8631521	8500903	8506462	8546295	0.86	cps
Indium	115-2	369666	380274	387015	378985	2.31	cps
Iron	56-2	23843	23197	22875	23305	2.12	cps
Iron	57-2	633	561	628	607	6.62	cps
Lead	206-1	6502	6780	6335	6539	3.44	cps
Lead	207-1	5190	5362	5285	5279	1.63	cps
Lead	208-1	24866	25906	24788	25186	2.48	cps
Lithium	6-1	1382961	1390157	1379237	1384118	0.40	cps
Magnesium	24-2	278885	274708	275383	276325	0.81	cps
Manganese	55-2	77828	76790	75804	76807	1.32	cps

LB Number :	LB90073	Operator :	Jaswal
Lab Sample ID :	I5193-06RE	Instrumnet Name :	P8
Client Sample ID :	MBDD17	Dilution Factor :	1
Date & Time Acquired ::	2017-09-14 13:03:36	DataFile Name :	032SMPL_P8091417 MS

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Molybdenum	94-1	275	292	267	278	4.58	cps
Molybdenum	95-1	108	150	158	139	19.29	cps
Molybdenum	96-1	200	225	250	225	11.11	cps
Molybdenum	97-1	192	258	208	219	15.81	cps
Molybdenum	98-1	225	242	158	208	21.17	cps
Neodymium	150-1	20	33	73	42	65.75	cps
Neodymium	150-2	0	3	0	1	173.21	cps
Nickel	60-2	54429	53864	54282	54192	0.54	cps
Phosphorus	31-2	0	17	8	8	100.02	cps
Potassium	39-2	111615	110901	108507	110341	1.48	cps
Rhodium	103-1	8133001	8001637	7927927	8020855	1.30	cps
Rhodium	103-2	2164035	2204938	2226944	2198639	1.45	cps
Scandium	45-1	5239780	5236762	5197410	5224651	0.45	cps
Scandium	45-2	41742	43096	43691	42843	2.33	cps
Selenium	77-2	0	0	0	0	0.00	cps
Selenium	78-2	6	4	4	4	24.86	cps
Selenium	82-1	30	39	24	31	24.61	cps
Silicon	28-1	29538380	29178132	29200970	29305827	0.69	cps
Silver	109-1	2475	2267	2625	2456	7.33	cps
Silver	107-1	2367	2292	2792	2484	10.86	cps
Sodium	23-2	3613251	3570924	3529788	3571321	1.17	cps
Strontium	86-1	771700	769607	755861	765723	1.12	cps
Strontium	88-1	6653979	6688540	6597541	6646687	0.69	cps
Sulfur	34-1	571130	570152	567630	569637	0.32	cps
Terbium	159-1	10609695	10529304	10463720	10534240	0.69	cps
Terbium	159-2	2188667	2266460	2289595	2248241	2.35	cps
Thallium	203-1	1125	1367	1325	1272	10.15	cps
Thallium	205-1	3092	3009	2992	3031	1.77	cps
Tin	118-1	1200	1350	1150	1233	8.44	cps
Titanium	47-1	417	425	500	447	10.26	cps
Uranium	238-1	142	92	75	103	33.76	cps
Vanadium	51-2	167	143	130	147	12.65	cps
Yttrium	89-1	9192501	9064042	8990971	9082505	1.12	cps
Yttrium	89-2	277573	286158	286226	283319	1.76	cps
Zinc	66-2	111278	109942	109545	110255	0.82	cps
Zirconium	90-1	617	675	592	628	6.81	cps

LB Number :	LB90073	Operator :	Jaswal
Lab Sample ID :	I5193-06RE	Instrumnet Name :	P8
Client Sample ID :	MBDD17	Dilution Factor :	1
Date & Time Acquired ::	2017-09-14 13:03:36	DataFile Name :	032SMPL_P8091417 MS

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	91-1	92	67	125	94	30.99	cps

LB Number :	LB90073	Operator :	Jaswal
Lab Sample ID :	CCV023	Instrumnet Name :	P8
Client Sample ID :	CCV023	Dilution Factor :	1
Date & Time Acquired ::	2017-09-14 13:06:43	DataFile Name :	033CCV_P8091417 MS.I

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	330707	328973	326489	328723	0.64	cps
Antimony	121-1	4505081	4489423	4562282	4518929	0.85	cps
Arsenic	75-2	53622	53549	53239	53470	0.38	cps
Barium	135-1	4753739	4836941	4849099	4813260	1.08	cps
Barium	137-1	8274015	8234493	8336270	8281592	0.62	cps
Beryllium	9-1	674682	677638	687359	679893	0.98	cps
Bismuth	209-1	5742315	5780350	5804766	5775810	0.54	cps
Bismuth	209-2	1717634	1685319	1716945	1706633	1.08	cps
Boron	10-1	77752	80099	81724	79858	2.50	cps
Boron	11-1	366298	371720	378453	372157	1.64	cps
Cadmium	111-1	939108	938439	950567	942705	0.72	cps
Cadmium	106-1	99625	98367	99003	98999	0.64	cps
Cadmium	108-1	67192	65893	68306	67130	1.80	cps
Calcium	43-1	4968101	4959255	4988398	4971918	0.30	cps
Calcium	44-1	80260835	79974577	81339741	80525051	0.89	cps
Chromium	52-2	454908	448636	450032	451192	0.73	cps
Cobalt	59-2	938653	936337	937901	937630	0.13	cps
Copper	63-2	1614990	1626578	1608479	1616682	0.57	cps
Dysprosium	156-1	183	92	150	142	32.75	cps
Dysprosium	156-2	7	13	23	14	58.06	cps
Erbium	164-1	33	67	75	58	37.80	cps
Erbium	164-2	3	3	7	4	43.40	cps
Gadolinium	160-1	117	92	92	100	14.43	cps
Gadolinium	160-2	33	27	37	32	15.80	cps
Holmium	165-1	9564998	9755624	9760365	9693662	1.15	cps
Holmium	165-2	2272531	2280554	2258719	2270601	0.49	cps
Indium	115-1	7953417	7892212	8001505	7949045	0.69	cps
Indium	115-2	355196	354727	346058	351994	1.46	cps
Iron	56-2	72785102	72233438	72006763	72341767	0.55	cps
Iron	57-2	1867874	1862606	1842989	1857823	0.71	cps
Lead	206-1	2573107	2639397	2654920	2622475	1.66	cps
Lead	207-1	2386657	2447990	2409282	2414643	1.28	cps
Lead	208-1	10584793	10797946	10800253	10727664	1.15	cps
Lithium	6-1	1327289	1333520	1364908	1341906	1.50	cps
Magnesium	24-2	8119832	8093060	8002692	8071861	0.76	cps
Manganese	55-2	248567	246270	243848	246228	0.96	cps

LB Number :	LB90073	Operator :	Jaswal
Lab Sample ID :	CCV023	Instrumnet Name :	P8
Client Sample ID :	CCV023	Dilution Factor :	1
Date & Time Acquired ::	2017-09-14 13:06:43	DataFile Name :	033CCV_P8091417 MS.I

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Molybdenum	94-1	3626056	3613365	3693586	3644336	1.18	cps
Molybdenum	95-1	1974462	1984673	1994965	1984700	0.52	cps
Molybdenum	96-1	2611092	2602638	2630490	2614740	0.55	cps
Molybdenum	97-1	1194992	1193412	1208880	1199095	0.71	cps
Molybdenum	98-1	3117653	3110501	3129017	3119057	0.30	cps
Neodymium	150-1	193	207	167	189	10.78	cps
Neodymium	150-2	0	10	3	4	114.60	cps
Nickel	60-2	273500	272425	272307	272744	0.24	cps
Phosphorus	31-2	4993	4434	4459	4629	6.82	cps
Potassium	39-2	2328849	2311709	2279839	2306799	1.08	cps
Rhodium	103-1	7310315	7224394	7346601	7293770	0.86	cps
Rhodium	103-2	2019241	2047880	1998563	2021895	1.22	cps
Scandium	45-1	4876516	4912114	4971138	4919923	0.97	cps
Scandium	45-2	41214	41117	42250	41527	1.51	cps
Selenium	77-2	327	323	327	326	0.59	cps
Selenium	78-2	1217	1219	1232	1222	0.66	cps
Selenium	82-1	59410	59732	59466	59536	0.29	cps
Silicon	28-1	2250739	2230170	2272564	2251158	0.94	cps
Silver	109-1	4991203	4934207	5081563	5002324	1.49	cps
Silver	107-1	5227222	5203049	5279832	5236701	0.75	cps
Sodium	23-2	19703830	19784663	19525418	19671304	0.67	cps
Strontium	86-1	1235842	1241881	1257026	1244916	0.88	cps
Strontium	88-1	10735167	10695543	10957563	10796091	1.31	cps
Sulfur	34-1	724114	716327	717464	719302	0.58	cps
Terbium	159-1	10129234	10211121	10159575	10166643	0.41	cps
Terbium	159-2	2193583	2189459	2187679	2190240	0.14	cps
Thallium	203-1	3157562	3224538	3242721	3208274	1.40	cps
Thallium	205-1	7472900	7563231	7633009	7556380	1.06	cps
Tin	118-1	3149918	3121674	3170865	3147486	0.78	cps
Titanium	47-1	529033	529152	539492	532559	1.13	cps
Uranium	238-1	10036442	10119145	10243652	10133080	1.03	cps
Vanadium	51-2	340142	335760	336348	337417	0.70	cps
Yttrium	89-1	8577696	8526363	8599298	8567786	0.44	cps
Yttrium	89-2	273987	273701	268384	272024	1.16	cps
Zinc	66-2	140291	139236	139174	139567	0.45	cps
Zirconium	90-1	6919566	6808384	6902528	6876826	0.87	cps

LB Number :	LB90073	Operator :	Jaswal
Lab Sample ID :	CCV023	Instrumnet Name :	P8
Client Sample ID :	CCV023	Dilution Factor :	1
Date & Time Acquired ::	2017-09-14 13:06:43	DataFile Name :	033CCV_P8091417 MS.I

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	91-1	1572293	1537202	1533800	1547765	1.38	cps

LB Number :	LB90073	Operator :	Jaswal
Lab Sample ID :	CCB023	Instrumnet Name :	P8
Client Sample ID :	CCB023	Dilution Factor :	1
Date & Time Acquired ::	2017-09-14 13:09:40	DataFile Name :	034CCBE_P8091417 MS

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	58	0	33	31	95.79	cps
Antimony	121-1	2534	2450	2459	2481	1.85	cps
Arsenic	75-2	17	15	9	14	28.39	cps
Barium	135-1	425	658	617	567	21.96	cps
Barium	137-1	925	1067	1033	1008	7.35	cps
Beryllium	9-1	528	494	456	493	7.34	cps
Bismuth	209-1	5714222	5957469	5652894	5774862	2.79	cps
Bismuth	209-2	1786457	1704939	1826192	1772529	3.49	cps
Boron	10-1	2650	2534	2542	2575	2.53	cps
Boron	11-1	12047	11639	10763	11483	5.71	cps
Cadmium	111-1	1295	1428	1244	1322	7.16	cps
Cadmium	106-1	1575	1800	1592	1656	7.57	cps
Cadmium	108-1	29	17	17	21	34.64	cps
Calcium	43-1	2325	2467	2375	2389	3.01	cps
Calcium	44-1	39975	41078	42858	41304	3.52	cps
Chromium	52-2	673	687	743	701	5.30	cps
Cobalt	59-2	210	150	47	136	60.95	cps
Copper	63-2	677	467	417	520	26.53	cps
Dysprosium	156-1	0	8	0	3	173.21	cps
Dysprosium	156-2	0	7	0	2	173.21	cps
Erbium	164-1	33	67	67	56	34.65	cps
Erbium	164-2	0	17	23	13	90.13	cps
Gadolinium	160-1	33	50	42	42	20.00	cps
Gadolinium	160-2	10	0	3	4	114.60	cps
Holmium	165-1	9071319	9475199	9219411	9255310	2.21	cps
Holmium	165-2	2211563	2158342	2236724	2202210	1.82	cps
Indium	115-1	7806861	8101159	7892348	7933456	1.91	cps
Indium	115-2	363799	353712	365874	361128	1.80	cps
Iron	56-2	13006	7691	4901	8533	48.26	cps
Iron	57-2	356	217	111	228	53.83	cps
Lead	206-1	978	1233	1183	1132	11.97	cps
Lead	207-1	978	933	1111	1007	9.18	cps
Lead	208-1	4011	4578	4584	4391	7.49	cps
Lithium	6-1	1285423	1331593	1279549	1298855	2.19	cps
Magnesium	24-2	1542	867	433	947	58.97	cps
Manganese	55-2	83	77	67	76	11.10	cps

LB Number :	LB90073	Operator :	Jaswal
Lab Sample ID :	CCB023	Instrumnet Name :	P8
Client Sample ID :	CCB023	Dilution Factor :	1
Date & Time Acquired ::	2017-09-14 13:09:40	DataFile Name :	034CCBE_P8091417 MS

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Molybdenum	94-1	883	1075	900	953	11.14	cps
Molybdenum	95-1	533	617	617	589	8.17	cps
Molybdenum	96-1	692	833	708	744	10.40	cps
Molybdenum	97-1	542	400	450	464	15.49	cps
Molybdenum	98-1	925	975	658	853	19.96	cps
Neodymium	150-1	7	7	0	4	86.60	cps
Neodymium	150-2	0	0	0	0	0.00	cps
Nickel	60-2	237	207	203	216	8.52	cps
Phosphorus	31-2	8	8	0	6	86.60	cps
Potassium	39-2	3576	3492	3442	3503	1.92	cps
Rhodium	103-1	7294628	7684035	7373332	7450665	2.76	cps
Rhodium	103-2	2104080	2054270	2136740	2098364	1.98	cps
Scandium	45-1	4707501	4890853	4732786	4777047	2.08	cps
Scandium	45-2	40475	39923	42404	40934	3.18	cps
Selenium	77-2	0	0	0	0	0.00	cps
Selenium	78-2	6	4	4	4	24.86	cps
Selenium	82-1	-86	-9	-97	-64	-75.56	cps
Silicon	28-1	398051	394892	395611	396185	0.42	cps
Silver	109-1	1625	1250	1333	1403	14.04	cps
Silver	107-1	1325	1283	1550	1386	10.35	cps
Sodium	23-2	15092	13624	11622	13446	12.95	cps
Strontium	86-1	1133	1142	992	1089	7.74	cps
Strontium	88-1	1358	1659	1734	1584	12.53	cps
Sulfur	34-1	379235	386297	384583	383372	0.96	cps
Terbium	159-1	9570863	9991183	9569411	9710486	2.50	cps
Terbium	159-2	2155159	2055074	2181924	2130719	3.14	cps
Thallium	203-1	867	975	967	936	6.44	cps
Thallium	205-1	2000	2084	1950	2011	3.35	cps
Tin	118-1	1775	1884	1809	1822	3.05	cps
Titanium	47-1	167	175	267	203	27.36	cps
Uranium	238-1	1250	1367	1709	1442	16.52	cps
Vanadium	51-2	83	43	33	53	49.61	cps
Yttrium	89-1	8192426	8517070	8298420	8335972	1.99	cps
Yttrium	89-2	270427	261887	273513	268609	2.24	cps
Zinc	66-2	77	83	90	83	8.00	cps
Zirconium	90-1	1475	1533	1475	1495	2.25	cps

LB Number :	LB90073	Operator :	Jaswal
Lab Sample ID :	CCB023	Instrumnet Name :	P8
Client Sample ID :	CCB023	Dilution Factor :	1
Date & Time Acquired ::	2017-09-14 13:09:40	DataFile Name :	034CCBE_P8091417 MS

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	91-1	317	392	308	339	13.54	cps