

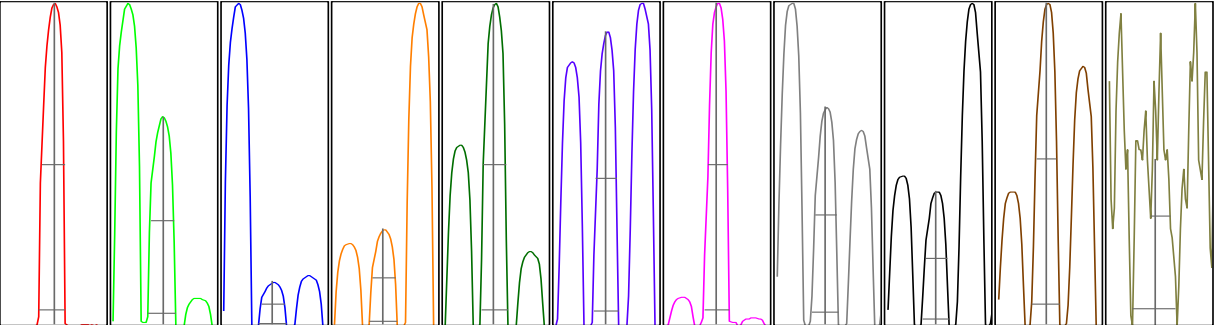
US EPA Tune Check Sample Report

Batch Folder D:\P8092817MS.b
Report Comment
Instrument Name G8403A JP17141814

[No Gas]				
Mass	Count (Mean)	RSD% (Actual)	RSD% (Required)	RSD% (Flag)
9	7439	0.93	5.00	
24	50532	0.75	5.00	
25	6735	1.02	5.00	
26	7760	1.08	5.00	
59	72812	1.46	5.00	
113	10443	2.02	5.00	
115	132441	1.85	5.00	
206	29879	1.48	5.00	
207	27273	1.50	5.00	
208	64905	1.93	5.00	
220	2	7.65		

Mass	Replicate 1 Count	Replicate 2 Count	Replicate 3 Count	Replicate 4 Count	Replicate 5 Count
9	7336	7510	7492	7443	7414
24	50233	50468	51183	50300	50477
25	6666	6690	6844	6728	6746
26	7796	7693	7877	7667	7766
59	73702	72185	74209	72060	71903
113	10712	10285	10569	10459	10189
115	135547	131866	133137	132868	128788
206	29864	30106	29771	30427	29229
207	27298	27337	27459	27681	26592
208	64598	65744	64947	66251	62984
220	2	2	2	1	2

Integration Time [sec] = 0.1



Mass	Peak Height	Axis (Actual)	Axis (Required)	Axis (Flag)	Width-X% (Actual)	Width-X% (Required)	Width- X% (Flag)
9	12087	9.05	8.9 - 9.1		0.744	0.900	
24	79154	24.00	23.9 - 24.1		0.791	0.900	
25	10646	24.95	24.9 - 25.1		0.789	0.900	
26	12370	25.95	25.9 - 26.1		0.788	0.900	
59	122120	58.95	58.9 - 59.1		0.779	0.900	
113	18693	113.00	112.9 - 113.1		0.734	0.900	
115	234401	115.00	114.9 - 115.1		0.739	0.900	
206	52056	205.95	205.9 - 206.1		0.775	0.900	
207	46479	206.95	206.9 - 207.1		0.780	0.900	
208	111729	207.95	207.9 - 208.1		0.794	0.900	
220	2	219.90	-		1.222		

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

Tune Parameters

Plasma Paramters

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

Lenses Parameters

ParameterName	Value	Unit	ParameterName	Value	Unit	ParameterName	Value	Unit
Extract 1	0.0	V	Omega Lens	8.8	V	Deflect	13.8	V
Extract 2	-240.0	V	Cell Entrance	-30	V	Plate Bias	-35	V
Omega Bias	-95	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	190	V			

[He]

Mass	Count (Mean)	RSD% (Actual)	RSD% (Required)
59	9508	0.83	
89	2131	1.02	
205	14564	1.15	

Mass	Replicate 1 Count	Replicate 2 Count	Replicate 3 Count	Replicate 4 Count	Replicate 5 Count
59	9638	9482	9523	9438	9460
89	2165	2121	2138	2108	2121
205	14745	14612	14685	14358	14418

Integration Time [sec] = 0.1

Tune Parameters

Plasma Paramters

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

Lenses Parameters

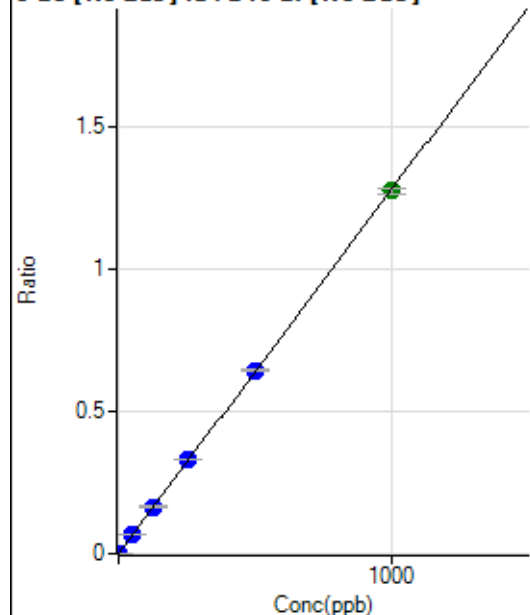
ParameterName	Value	Unit	ParameterName	Value	Unit	ParameterName	Value	Unit
Extract 1	0.0	V	Omega Lens	8.8	V	Deflect	2.0	V
Extract 2	-240.0	V	Cell Entrance	-40	V	Plate Bias	-60	V
Omega Bias	-95	V	Cell Exit	-60	V			

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			

Batch Folder: D:\P8092817MS .b\
Analysis File: P8092817MS .batch.bin
DA Date-Time: 2017-09-28 15:34:18
Calibration Title:
Calibration Method: External Calibration
VIS Interpolation Fit:

Level	Standard Data File	Sample Name	Acq. Date-Time
1	003CALB P8092817MS.D	S00	2017-09-28 12:53:26
2			
3	005CALS P8092817MS.D	S02	2017-09-28 13:00:30
4	006CALS P8092817MS.D	S03	2017-09-28 13:04:01
5	007CALS P8092817MS.D	S04	2017-09-28 13:07:32
6	008CALS P8092817MS.D	S05	2017-09-28 13:11:04
7	009CALS P8092817MS.D	S06	2017-09-28 13:14:23
8	010CALS P8092817MS.D	S07	2017-09-28 13:17:40
9	011CALS P8092817MS.D	S08	2017-09-28 13:20:52

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

	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	190.75	0.0002	P	21.8
2	☐	0.100					
3	☐	1.000	0.981	1226.01	0.0015	P	4.0
4	☐	50.000	51.547	57061.30	0.0663	P	1.5
5	☐	125.000	129.134	142189.97	0.1657	P	0.3
6	☐	250.000	257.113	290738.80	0.3296	P	0.5
7	☐	500.000	502.362	574317.00	0.6439	P	0.9
8	☐	1000.000	996.446	1154045.22	1.2769	A	1.5
9	☐			829.68	0.0010	P	6.1

$$y = 0.0013 * x + 2.2475E-004$$

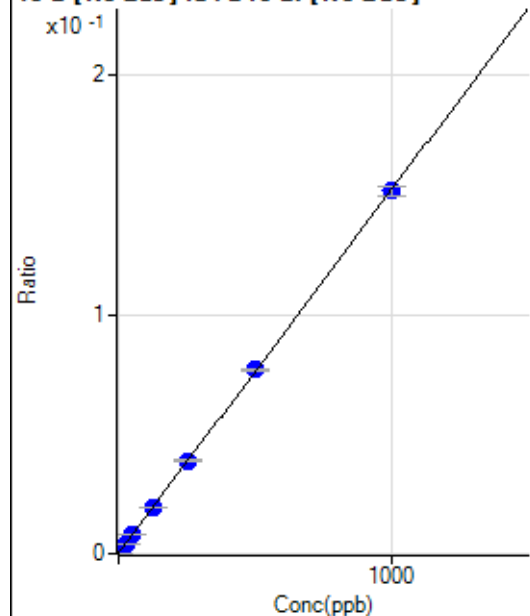
$$R = 1.0000$$

$$DL = 0.1149$$

$$BEC = 0.1754$$

Weight: <None>

Min Conc: 0

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

	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	183.34	0.0002	P	5.3
2	☐	2.500					
3	☐	25.000	23.232	3092.13	0.0037	P	6.1
4	☐	50.000	51.513	6926.98	0.0080	P	2.5
5	☐	125.000	125.832	16587.88	0.0193	P	3.1
6	☐	250.000	253.986	34230.65	0.0388	P	2.2
7	☐	500.000	503.991	68508.83	0.0768	P	1.8
8	☐	1000.000	996.873	137074.63	0.1517	P	2.9
9	☐			4928.86	0.0057	P	7.2

$$y = 1.5196E-004 * x + 2.1594E-004$$

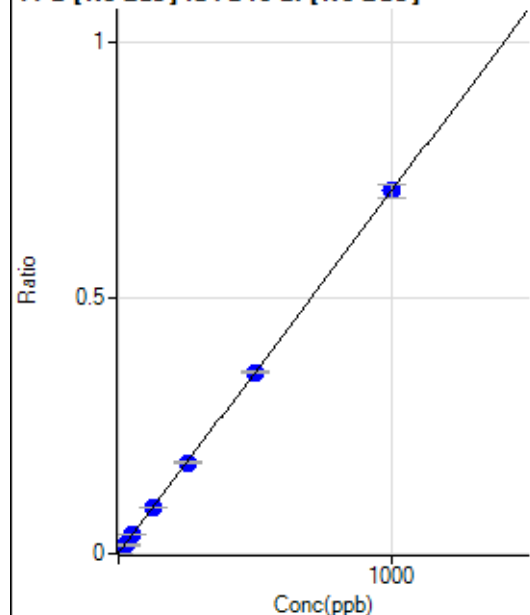
$$R = 1.0000$$

$$DL = 0.2271$$

$$BEC = 1.421$$

Weight: <None>

Min Conc: 0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	572.26	0.0007	P	10.4
2	☐	2.500					
3	☐	25.000	23.073	14051.91	0.0170	P	4.0
4	☐	50.000	50.646	31460.36	0.0365	P	2.3
5	☐	125.000	127.156	77819.44	0.0907	P	2.3
6	☐	250.000	250.148	156823.85	0.1778	P	1.0
7	☐	500.000	499.234	315943.59	0.3542	P	0.9
8	☐	1000.000	1000.092	640450.76	0.7089	P	3.7
9	☐			23904.14	0.0277	P	7.1

$$y = 7.0811\text{E-}004 * x + 6.7368\text{E-}004$$

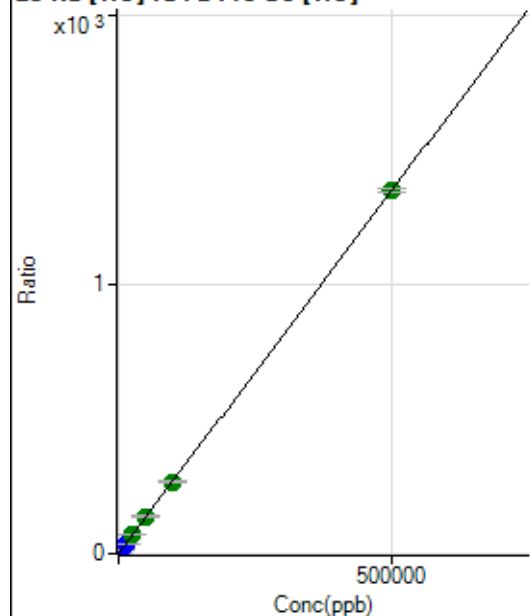
$$R = 1.0000$$

$$DL = 0.2981$$

$$BEC = 0.9514$$

Weight: <None>

Min Conc: 0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	10009.48	0.4288	P	10.0
2	☐	50.000					
3	☐	500.000	441.538	40232.77	1.6195	P	1.7
4	☐	5000.000	5083.976	353256.57	14.1388	P	0.9
5	☐	12500.000	12637.274	768239.79	34.5079	P	0.5
6	☐	25000.000	25540.856	1737452.25	69.3052	A	1.1
7	☐	50000.000	51176.445	3390565.18	138.4371	A	2.6
8	☐	100000.00	98997.405	6491143.59	267.3966	A	0.7
9	☐	500000.00	500051.61	29967441.30	1,348.925	A	1.0

$$y = 0.0027 * x + 0.4288$$

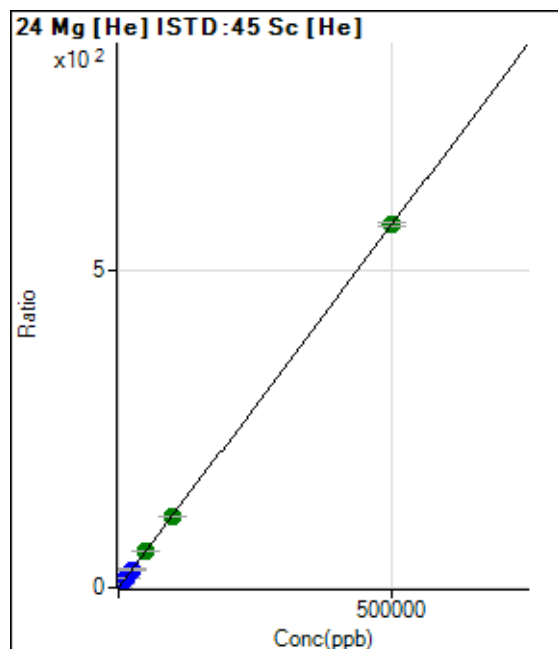
$$R = 1.0000$$

$$DL = 47.88$$

$$BEC = 159$$

Weight: <None>

Min Conc: 0



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	341.69	0.0146	P	0.8
2	☐	50.000					
3	☐	500.000	465.340	13568.18	0.5462	P	3.9
4	☐	5000.000	5075.162	145243.07	5.8131	P	0.2
5	☐	12500.000	12493.481	318124.31	14.2888	P	0.8
6	☐	25000.000	25169.822	721291.79	28.7720	P	1.4
7	☐	50000.000	50772.549	1421285.57	58.0241	A	1.6
8	☐	100000.00	98511.502	2732655.01	112.5677	A	0.2
9	☐	500000.00	500211.40	12696300.02	571.5252	A	1.0

$$y = 0.0011 * x + 0.0146$$

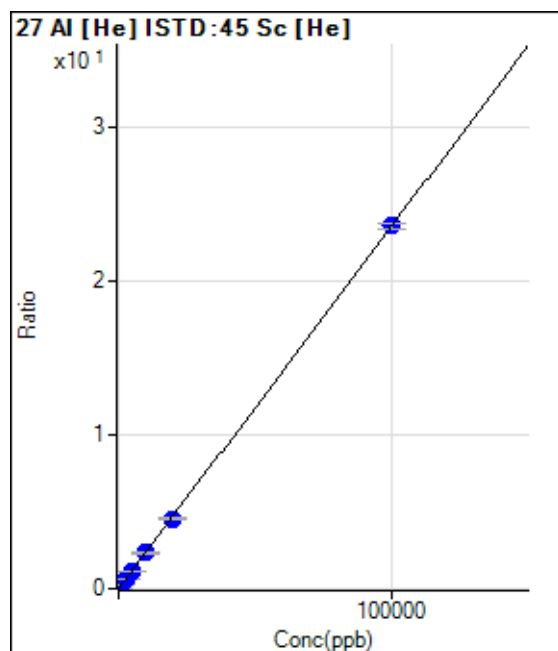
$$R = 1.0000$$

$$DL = 0.3015$$

$$BEC = 12.74$$

Weight: <None>

Min Conc: 0



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	22.22	0.0009	P	71.6
2	☐	2.000					
3	☐	20.000	15.506	113.89	0.0046	P	11.3
4	☐	1000.000	978.656	5784.78	0.2316	P	2.9
5	☐	2500.000	2504.911	13159.44	0.5912	P	1.7
6	☐	5000.000	4898.155	28961.02	1.1552	P	1.3
7	☐	10000.000	9910.466	57222.00	2.3364	P	2.9
8	☐	20000.000	19275.527	110295.82	4.5434	P	1.1
9	☐	100000.00	100159.03	524354.20	23.6045	P	1.6

$$y = 2.3566E-004 * x + 9.3008E-004$$

$$R = 1.0000$$

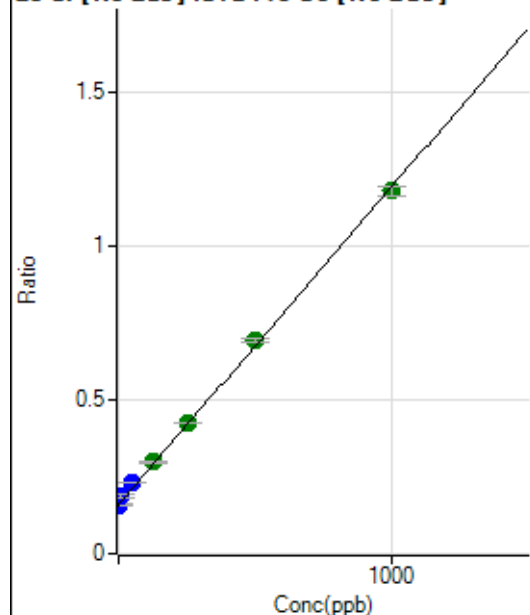
$$DL = 8.478$$

$$BEC = 3.947$$

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	471462.81	0.1590	P	0.6
2	☐	1.000					
3	☐	10.000	26.162	530089.33	0.1860	P	4.9
4	☐	50.000	68.151	684003.53	0.2293	P	0.8
5	☐	125.000	133.297	873476.79	0.2964	A	1.2
6	☐	250.000	258.015	1288312.19	0.4250	A	0.3
7	☐	500.000	517.121	2086715.87	0.6921	A	1.4
8	☐	1000.000	987.330	3551996.39	1.1769	A	2.9
9	☐			582719.10	0.2085	P	3.0

$$y = 0.0010 * x + 0.1590$$

$$R = 0.9997$$

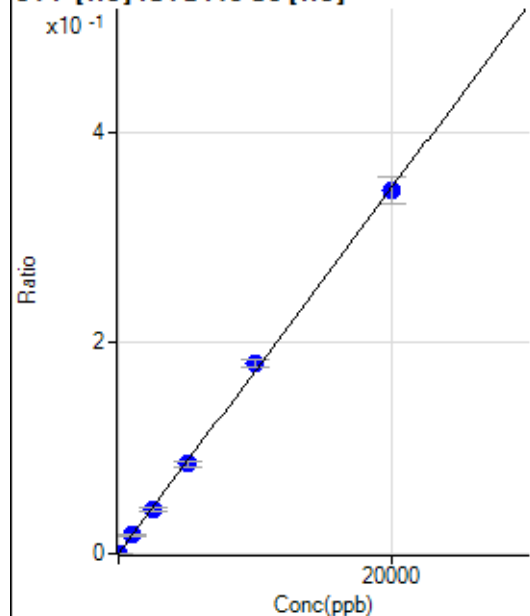
$$DL = 2.714$$

$$BEC = 154.2$$

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	-3.117	2.78	0.0001	P	173.2
2	☐	0.000					
3	☐	0.000	3.117	5.55	0.0002	P	86.6
4	☐	1000.000	997.696	436.14	0.0175	P	6.0
5	☐	2500.000	2366.703	916.74	0.0412	P	8.8
6	☐	5000.000	4897.230	2130.82	0.0850	P	6.9
7	☐	10000.000	10388.579	4412.02	0.1802	P	4.4
8	☐	20000.000	19848.180	8352.87	0.3441	P	7.4
9	☐			8.33	0.0004	P	100.8

$$y = 1.7326E-005 * x + 1.6851E-004$$

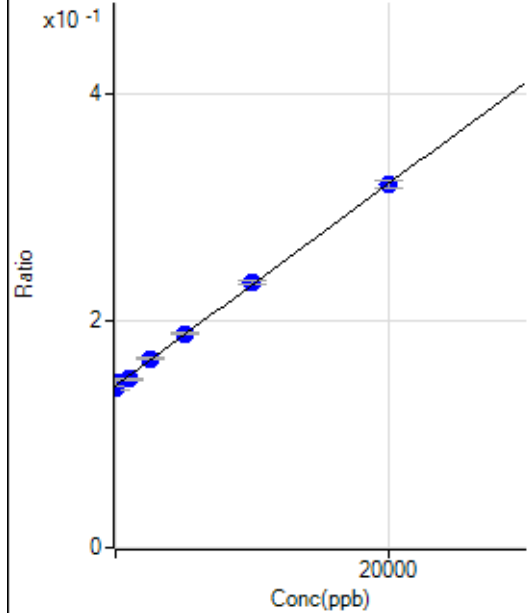
$$R = 0.9997$$

$$DL = 33.85$$

$$BEC = 9.725$$

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	-252.438	416103.09	0.1403	P	1.4
2	☐	0.000					
3	☐	0.000	252.438	412831.73	0.1448	P	4.7
4	☐	1000.000	625.310	441989.19	0.1481	P	1.0
5	☐	2500.000	2682.166	490374.33	0.1664	P	1.6
6	☐	5000.000	5132.042	570533.81	0.1882	P	0.6
7	☐	10000.000	10197.256	703267.37	0.2333	P	1.0
8	☐	20000.000	19864.325	963514.19	0.3192	P	2.1
9	☐			408230.06	0.1460	P	2.3

$$y = 8.8908\text{E-}006 * x + 0.1426$$

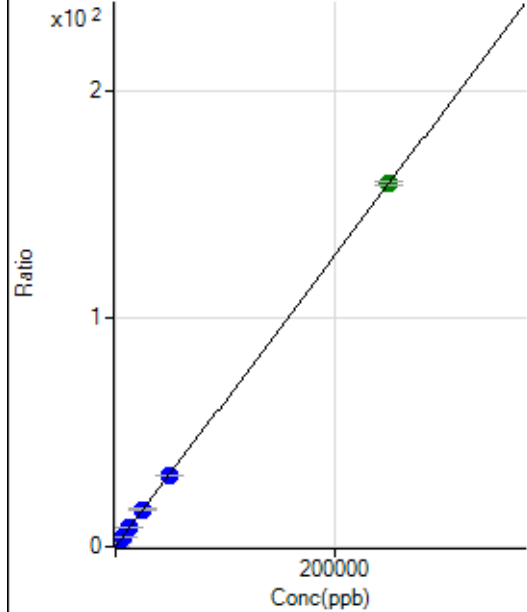
$$R = 0.9994$$

$$DL = 1473$$

$$BEC = 1.604\text{E}+04$$

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	2753.17	0.1179	P	10.3
2	☐	50.000					
3	☐	500.000	459.890	10187.40	0.4101	P	1.6
4	☐	2500.000	2525.621	43030.67	1.7222	P	1.4
5	☐	6250.000	6343.642	92352.90	4.1474	P	2.0
6	☐	12500.000	12620.304	203916.95	8.1344	P	1.8
7	☐	25000.000	25468.603	399107.89	16.2957	P	2.5
8	☐	50000.000	49026.341	758835.33	31.2596	P	0.8
9	☐	250000.00	250139.33	3532666.18	159.0070	A	1.2

$$y = 6.3520\text{E-}004 * x + 0.1179$$

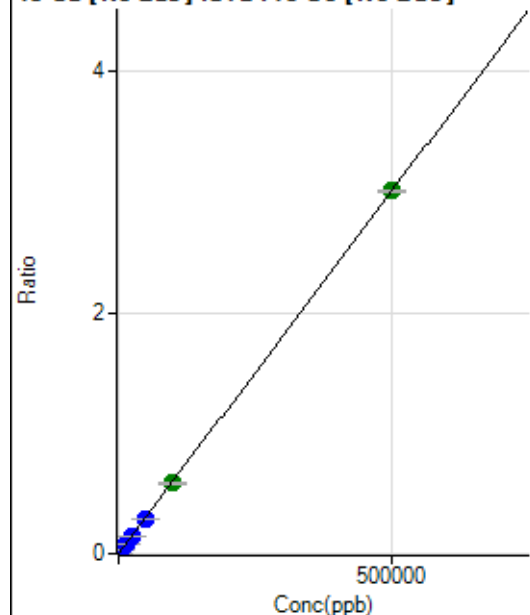
$$R = 1.0000$$

$$DL = 57.59$$

$$BEC = 185.7$$

Weight: <None>

Min Conc: 0

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

	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	1886.34	0.0006	P	5.1
2	☐	50.000					
3	☐	500.000	465.318	9770.49	0.0034	P	9.3
4	☐	5000.000	4872.254	89275.26	0.0299	P	0.7
5	☐	12500.000	12199.873	218061.02	0.0740	P	1.4
6	☐	25000.000	24268.252	444123.66	0.1465	P	0.7
7	☐	50000.000	48625.947	883215.63	0.2929	P	0.8
8	☐	100000.00	97148.795	1764750.60	0.5846	A	1.8
9	☐	500000.00	500753.04	8419353.23	3.0107	A	0.8

$$y = 6.0111\text{E-}006 * x + 6.3606\text{E-}004$$

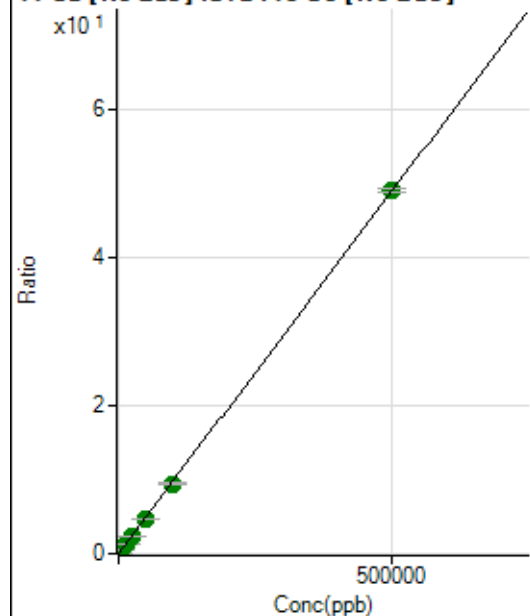
$$R = 1.0000$$

$$DL = 16.3$$

$$BEC = 105.8$$

Weight: <None>

Min Conc: 0

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

	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	25872.18	0.0087	P	0.8
2	☐	50.000					
3	☐	500.000	452.691	151019.50	0.0530	P	6.1
4	☐	5000.000	4882.417	1450748.13	0.4863	A	1.5
5	☐	12500.000	12187.307	3538915.53	1.2008	A	0.4
6	☐	25000.000	24092.704	7169809.10	2.3653	A	0.5
7	☐	50000.000	48294.411	14268850.67	4.7325	A	1.0
8	☐	100000.00	95807.446	28310576.67	9.3798	A	2.8
9	☐	500000.00	501063.47	137072385.0	49.0187	A	1.1

$$y = 9.7812\text{E-}005 * x + 0.0087$$

$$R = 1.0000$$

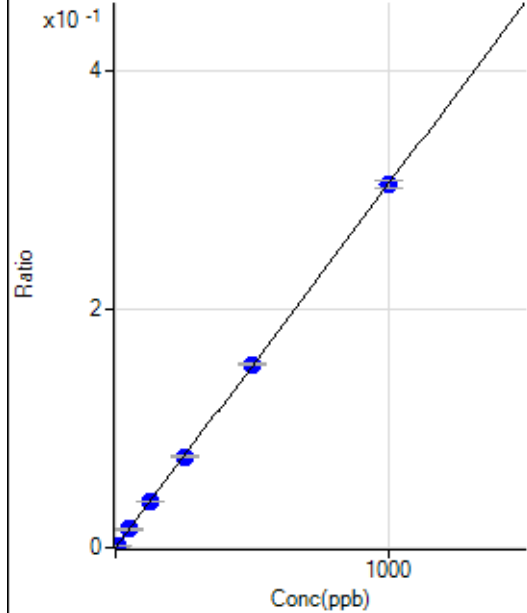
$$DL = 2.13$$

$$BEC = 89.21$$

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	150.01	0.0001	P	40.5
2	☐	0.500					
3	☐	5.000	4.413	3989.63	0.0014	P	4.5
4	☐	50.000	50.105	45697.73	0.0153	P	0.8
5	☐	125.000	126.325	113594.63	0.0385	P	0.6
6	☐	250.000	250.934	231919.46	0.0765	P	0.3
7	☐	500.000	503.778	462967.28	0.1535	P	0.8
8	☐	1000.000	997.710	917786.09	0.3040	P	2.1
9	☐			1511.93	0.0005	P	106.7

$$y = 3.0469\text{E-}004 * x + 5.0664\text{E-}005$$

$$R = 1.0000$$

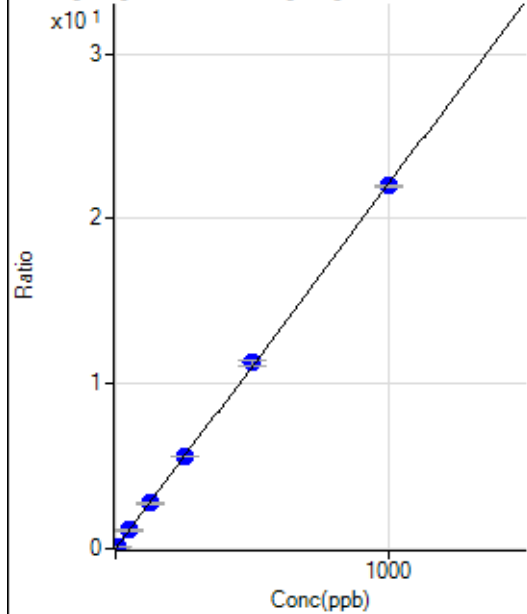
$$DL = 0.2021$$

$$BEC = 0.1663$$

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	27.78	0.0012	P	32.8
2	☐	0.500					
3	☐	5.000	4.697	2609.18	0.1050	P	3.4
4	☐	50.000	50.091	27700.88	1.1088	P	1.3
5	☐	125.000	124.230	61179.82	2.7481	P	0.7
6	☐	250.000	252.697	140105.49	5.5887	P	1.1
7	☐	500.000	509.164	275767.16	11.2595	P	2.4
8	☐	1000.000	994.837	534021.03	21.9984	P	0.4
9	☐			136.67	0.0062	P	22.8

$$y = 0.0221 * x + 0.0012$$

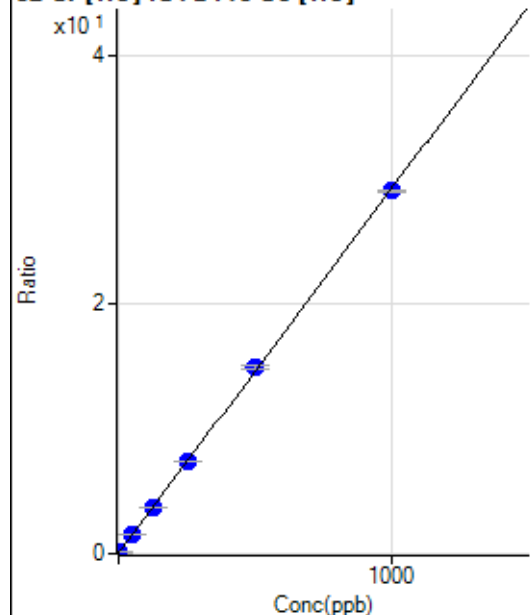
$$R = 0.9999$$

$$DL = 0.05232$$

$$BEC = 0.05309$$

Weight: <None>

Min Conc: 0

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

	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	588.91	0.0253	P	14.2
2	☐	0.200					
3	☐	2.000	1.898	2009.07	0.0808	P	5.1
4	☐	50.000	51.030	37932.53	1.5182	P	1.4
5	☐	125.000	125.730	82454.49	3.7036	P	1.6
6	☐	250.000	253.030	186209.24	7.4278	P	1.4
7	☐	500.000	509.667	365815.59	14.9359	P	2.3
8	☐	1000.000	994.266	706738.04	29.1131	P	0.4
9	☐			7660.00	0.3447	P	3.3

$$y = 0.0293 * x + 0.0253$$

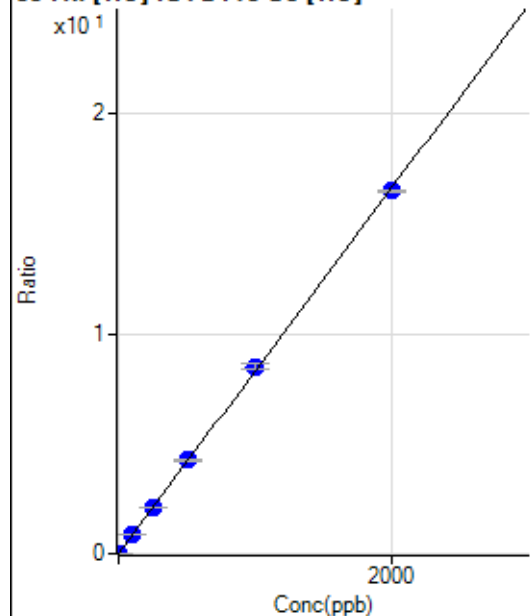
$$R = 0.9999$$

$$DL = 0.367$$

$$BEC = 0.8645$$

Weight: <None>

Min Conc: 0

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

	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	43.33	0.0019	P	37.6
2	☐	0.100					
3	☐	1.000	1.054	264.45	0.0107	P	10.0
4	☐	100.000	103.347	21518.97	0.8613	P	0.4
5	☐	250.000	251.111	46529.67	2.0900	P	0.7
6	☐	500.000	510.872	106540.12	4.2500	P	1.8
7	☐	1000.000	1023.469	208470.91	8.5124	P	3.0
8	☐	2000.000	1985.241	400785.41	16.5099	P	0.3
9	☐			1241.19	0.0559	P	4.0

$$y = 0.0083 * x + 0.0019$$

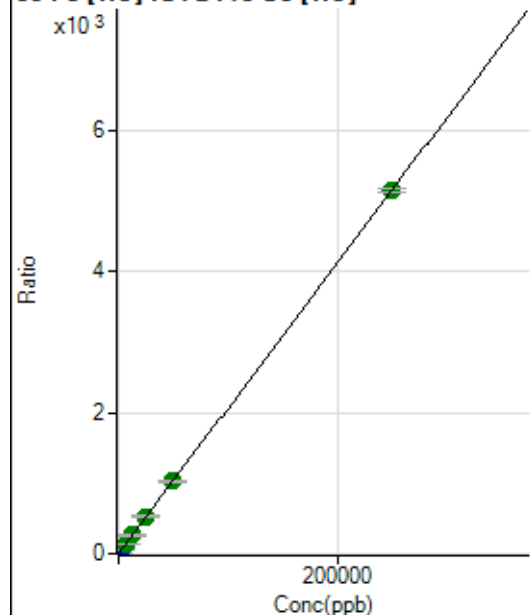
$$R = 0.9999$$

$$DL = 0.2557$$

$$BEC = 0.2268$$

Weight: <None>

Min Conc: 0

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

	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	1259.35	0.0538	P	7.2
2	☐	5.000					
3	☐	50.000	46.123	24872.69	1.0012	P	1.9
4	☐	2500.000	2557.651	1313877.75	52.5863	P	0.4
5	☐	6250.000	6394.009	2924907.50	131.3826	A	0.8
6	☐	12500.000	12629.000	6504118.61	259.4451	A	1.2
7	☐	25000.000	25583.127	12871280.27	525.5144	A	2.2
8	☐	50000.000	49785.654	24824713.75	1,022.618	A	0.4
9	☐	250000.00	249973.93	114056547.9	5,134.353	A	1.2

$$y = 0.0205 * x + 0.0538$$

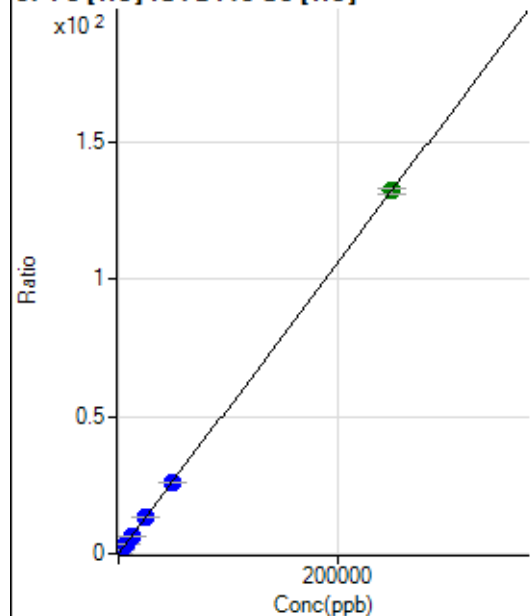
$$R = 1.0000$$

$$DL = 0.5687$$

$$BEC = 2.622$$

Weight: <None>

Min Conc: 0

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

	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	24.07	0.0010	P	53.3
2	☐	5.000					
3	☐	50.000	47.197	644.48	0.0260	P	7.2
4	☐	2500.000	2495.234	32959.90	1.3193	P	1.8
5	☐	6250.000	6167.365	72557.08	3.2593	P	0.3
6	☐	12500.000	12287.607	162762.88	6.4926	P	1.4
7	☐	25000.000	24871.735	321842.71	13.1408	P	2.4
8	☐	50000.000	48860.327	626649.17	25.8141	P	0.6
9	☐	250000.00	250253.49	2936633.37	132.2107	A	1.9

$$y = 5.2830E-004 * x + 0.0010$$

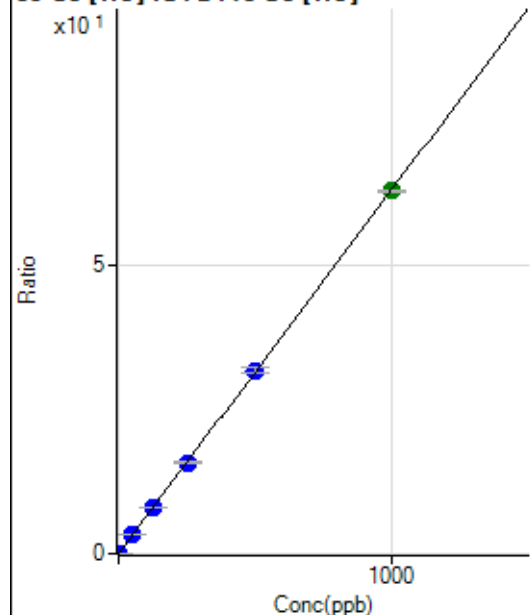
$$R = 1.0000$$

$$DL = 3.088$$

$$BEC = 1.93$$

Weight: <None>

Min Conc: 0

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

	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	286.67	0.0122	P	11.1
2	☐	0.100					
3	☐	1.000	0.992	1861.27	0.0749	P	4.0
4	☐	50.000	50.386	79793.43	3.1936	P	0.3
5	☐	125.000	125.624	176851.79	7.9441	P	0.7
6	☐	250.000	249.985	396010.28	15.7962	P	1.0
7	☐	500.000	504.320	780182.66	31.8548	P	2.4
8	☐	1000.000	997.747	1529589.44	63.0095	A	0.4
9	☐			1595.68	0.0717	P	6.1

$$y = 0.0631 * x + 0.0122$$

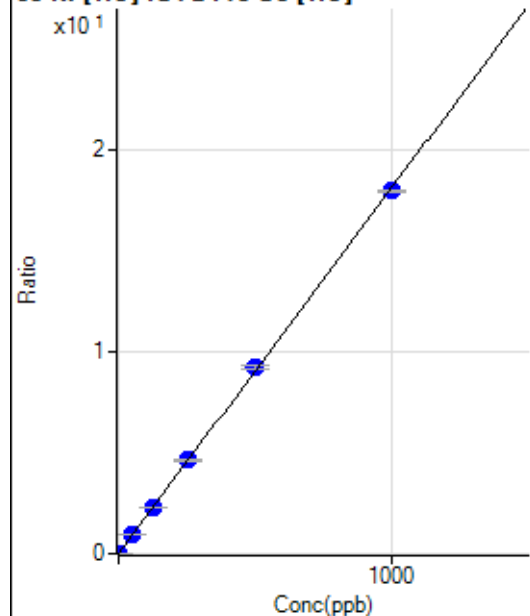
$$R = 1.0000$$

$$DL = 0.06468$$

$$BEC = 0.1939$$

Weight: <None>

Min Conc: 0

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

	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	132.23	0.0057	P	17.3
2	☐	0.100					
3	☐	1.000	0.926	555.58	0.0224	P	7.3
4	☐	50.000	52.670	23908.45	0.9570	P	2.9
5	☐	125.000	127.262	51301.02	2.3044	P	0.6
6	☐	250.000	255.498	115840.17	4.6208	P	1.2
7	☐	500.000	511.779	226567.89	9.2501	P	1.8
8	☐	1000.000	992.320	435264.72	17.9302	P	0.3
9	☐			2076.86	0.0934	P	2.6

$$y = 0.0181 * x + 0.0057$$

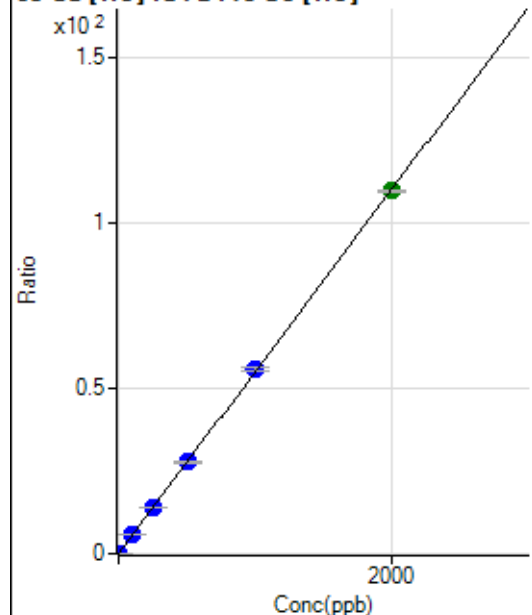
$$R = 0.9999$$

$$DL = 0.1623$$

$$BEC = 0.313$$

Weight: <None>

Min Conc: 0

⁶³Cu [He] ISTD:45 Sc [He]

	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	201.11	0.0087	P	21.4
2	☐	0.200					
3	☐	2.000	1.848	2745.87	0.1105	P	3.1
4	☐	100.000	102.300	141085.02	5.6470	P	1.1
5	☐	250.000	251.808	309155.87	13.8871	P	0.5
6	☐	500.000	503.355	695708.04	27.7512	P	1.1
7	☐	1000.000	1010.402	1364138.87	55.6972	P	2.3
8	☐	2000.000	1993.619	2667569.96	109.8873	A	0.4
9	☐			2804.78	0.1263	P	4.2

$$y = 0.0551 * x + 0.0087$$

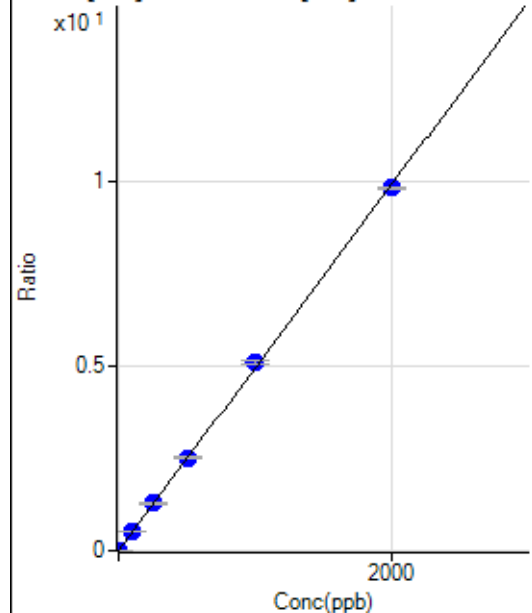
$$R = 1.0000$$

$$DL = 0.1011$$

$$BEC = 0.1573$$

Weight: <None>

Min Conc: 0

⁶⁶Zn [He] ISTD:45 Sc [He]

	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	23.33	0.0010	P	37.9
2	☐	0.200					
3	☐	2.000	2.003	271.12	0.0109	P	10.4
4	☐	100.000	105.049	13004.03	0.5205	P	1.2
5	☐	250.000	258.356	28468.39	1.2786	P	1.3
6	☐	500.000	507.708	62965.43	2.5117	P	1.4
7	☐	1000.000	1028.036	124541.66	5.0847	P	2.1
8	☐	2000.000	1982.758	238043.19	9.8059	P	0.5
9	☐			481.13	0.0217	P	6.2

$$y = 0.0049 * x + 0.0010$$

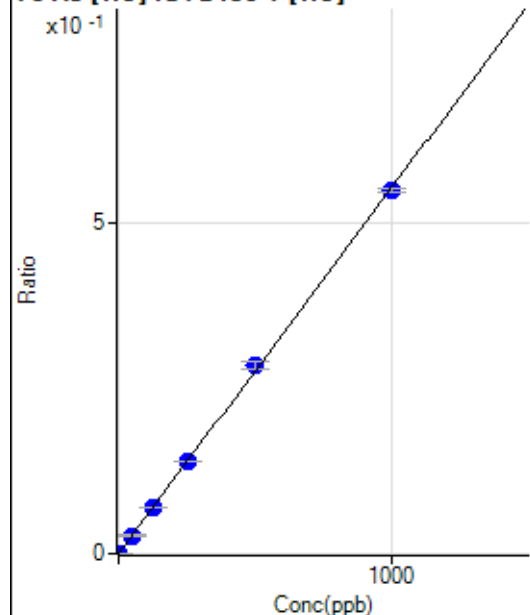
$$R = 0.9998$$

$$DL = 0.2338$$

$$BEC = 0.2056$$

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	9.26	0.0001	P	35.4
2	☐	0.100					
3	☐	1.000	0.848	90.13	0.0005	P	28.0
4	☐	50.000	49.552	4725.54	0.0275	P	2.9
5	☐	125.000	126.010	10508.39	0.0698	P	1.5
6	☐	250.000	252.935	23818.12	0.1400	P	1.1
7	☐	500.000	514.359	46565.77	0.2847	P	4.8
8	☐	1000.000	991.983	90016.43	0.5489	P	0.9
9	☐			27.16	0.0002	P	35.9

$$y = 5.5331\text{E-}004 * x + 5.5743\text{E-}005$$

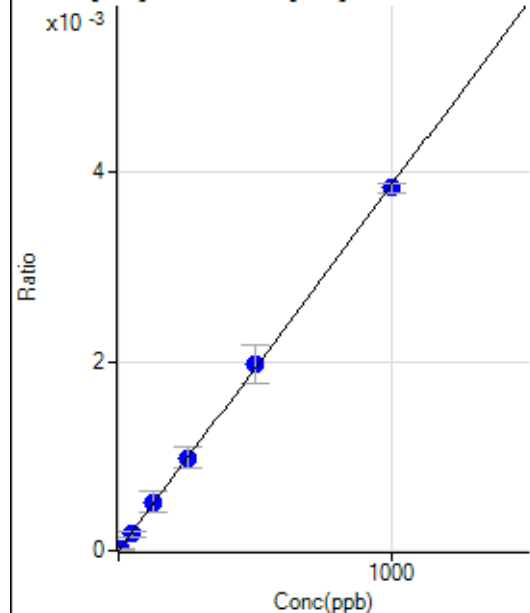
$$R = 0.9998$$

$$DL = 0.1069$$

$$BEC = 0.1007$$

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	0.00	0.0000	P	
2	☐	0.500					
3	☐	5.000	3.341	2.22	0.0000	P	86.6
4	☐	50.000	45.155	30.00	0.0002	P	33.4
5	☐	125.000	133.402	77.78	0.0005	P	41.9
6	☐	250.000	253.613	166.67	0.0010	P	22.8
7	☐	500.000	511.446	322.23	0.0020	P	20.8
8	☐	1000.000	992.574	628.92	0.0038	P	2.7
9	☐			0.00	0.0000	P	

$$y = 3.8637\text{E-}006 * x + 0.0000\text{E+}000$$

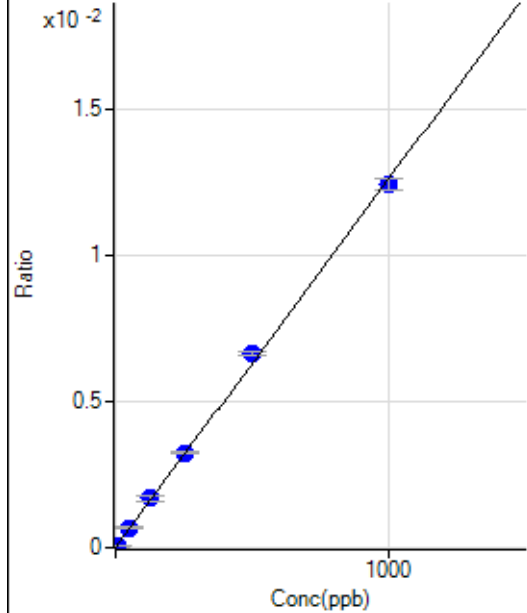
$$R = 0.9998$$

$$DL = 0$$

$$BEC = 0$$

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	1.23	0.0000	P	87.3
2	☐	0.500					
3	☐	5.000	4.520	11.11	0.0001	P	59.6
4	☐	50.000	52.114	114.20	0.0007	P	10.7
5	☐	125.000	133.881	254.94	0.0017	P	11.5
6	☐	250.000	256.741	551.25	0.0032	P	2.1
7	☐	500.000	524.958	1083.39	0.0066	P	2.0
8	☐	1000.000	984.622	2034.12	0.0124	P	3.1
9	☐			2.47	0.0000	P	117.4

$$y = 1.2591\text{E-}005 * x + 7.6946\text{E-}006$$

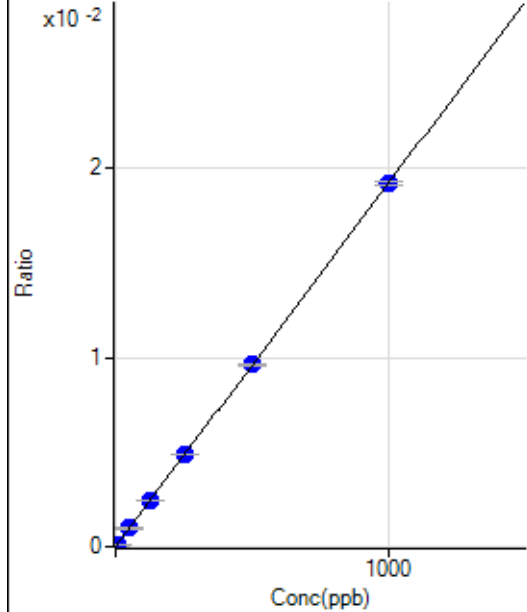
$$R = 0.9995$$

$$DL = 1.6$$

$$BEC = 0.6111$$

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	-32.76	0.0000	P	-110.
2	☐	0.500					
3	☐	5.000	4.574	432.95	0.0001	P	5.5
4	☐	50.000	50.464	5261.68	0.0010	P	1.0
5	☐	125.000	127.647	13249.12	0.0024	P	2.3
6	☐	250.000	254.976	27006.19	0.0049	P	0.4
7	☐	500.000	500.119	53272.68	0.0096	P	0.2
8	☐	1000.000	998.345	105116.68	0.0192	P	1.2
9	☐			38.80	0.0000	P	27.0

$$y = 1.9239\text{E-}005 * x - 6.0901\text{E-}006$$

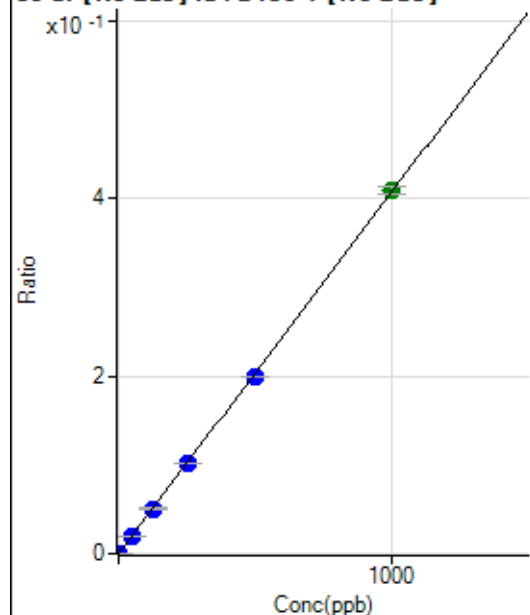
$$R = 1.0000$$

$$DL = 1.05$$

$$BEC = -0.3166$$

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	847.29	0.0002	P	13.7
2	☐	0.100					
3	☐	1.000	0.993	2961.58	0.0006	P	6.2
4	☐	50.000	49.185	109789.30	0.0201	P	1.1
5	☐	125.000	124.590	274595.28	0.0508	P	0.4
6	☐	250.000	250.924	562560.14	0.1021	P	0.5
7	☐	500.000	491.139	1105869.88	0.1996	P	0.3
8	☐	1000.000	1004.291	2233384.97	0.4080	A	2.3
9	☐			72471.19	0.0141	P	0.7

$$y = 4.0609\text{E-}004 * x + 1.5713\text{E-}004$$

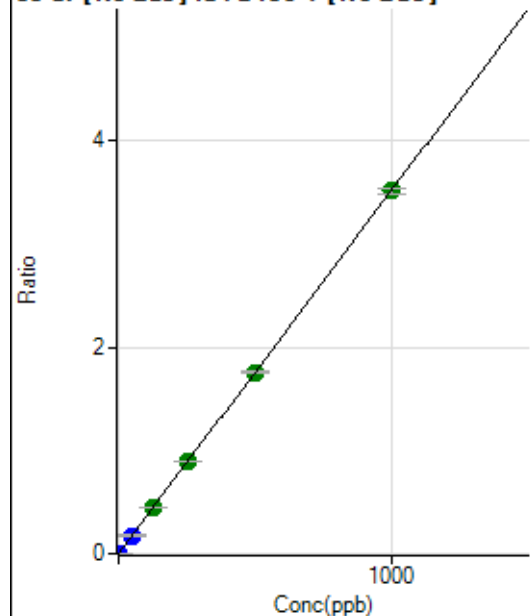
$$R = 0.9999$$

$$DL = 0.1587$$

$$BEC = 0.3869$$

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	197.23	0.0000	P	10.5
2	☐	0.100					
3	☐	1.000	0.944	17779.00	0.0034	P	2.8
4	☐	50.000	50.145	962076.80	0.1764	P	0.6
5	☐	125.000	127.879	2433507.89	0.4498	A	0.6
6	☐	250.000	252.853	4902355.58	0.8893	A	0.1
7	☐	500.000	500.121	9745491.28	1.7590	A	0.3
8	☐	1000.000	998.859	19232081.51	3.5131	A	1.9
9	☐			625170.03	0.1216	P	0.2

$$y = 0.0035 * x + 3.6551\text{E-}005$$

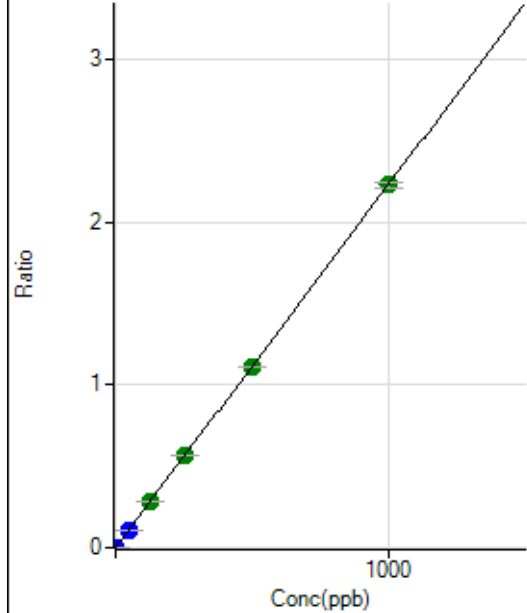
$$R = 1.0000$$

$$DL = 0.003265$$

$$BEC = 0.01039$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	311.13	0.0001	P	8.7
2	☐	0.100					
3	☐	1.000	0.952	11541.44	0.0022	P	5.3
4	☐	50.000	49.613	604557.03	0.1109	P	1.2
5	☐	125.000	125.997	1522669.46	0.2814	A	0.5
6	☐	250.000	253.477	3120575.63	0.5661	A	0.1
7	☐	500.000	499.707	6182860.73	1.1160	A	0.2
8	☐	1000.000	999.172	12215309.04	2.2314	A	1.7
9	☐			1767.21	0.0003	P	14.9

$$y = 0.0022 * x + 5.7683E-005$$

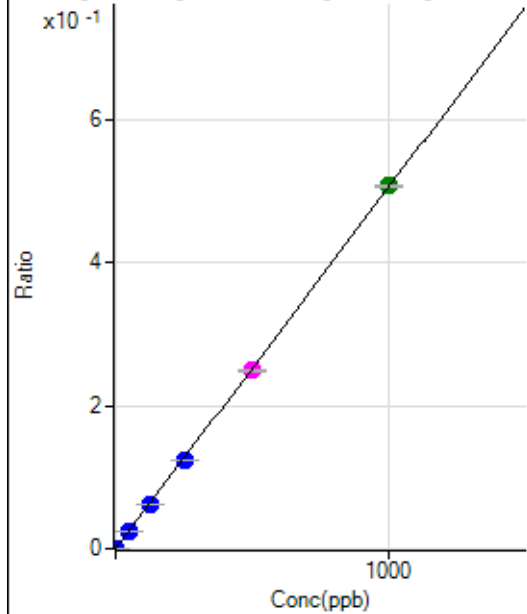
$$R = 1.0000$$

$$DL = 0.006723$$

$$BEC = 0.02583$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	86.11	0.0000	P	30.4
2	☐	0.100					
3	☐	1.000	0.927	2561.47	0.0005	P	5.7
4	☐	50.000	48.697	134136.15	0.0246	P	0.7
5	☐	125.000	122.342	334112.72	0.0618	P	1.0
6	☐	250.000	246.582	686087.48	0.1245	P	0.7
7	☐	500.000	493.197	1379174.04	0.2489	M	0.9
8	☐	1000.000	1004.653	2776094.70	0.5071	A	0.9
9	☐			372.25	0.0001	P	5.3

$$y = 5.0470E-004 * x + 1.5940E-005$$

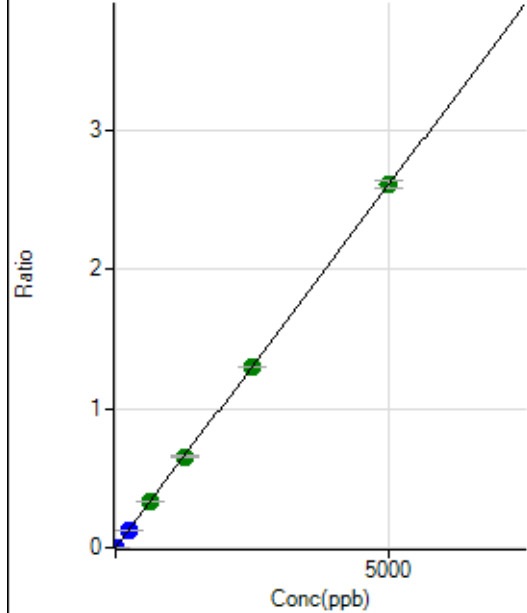
$$R = 1.0000$$

$$DL = 0.02884$$

$$BEC = 0.03158$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	291.68	0.0001	P	10.4
2	☐	0.500					
3	☐	5.000	4.534	12762.07	0.0024	P	4.3
4	☐	250.000	247.324	702265.69	0.1288	P	1.2
5	☐	625.000	633.264	1783213.60	0.3296	A	0.7
6	☐	1250.000	1258.130	3609504.03	0.6548	A	0.9
7	☐	2500.000	2489.076	7177034.19	1.2954	A	0.2
8	☐	5000.000	5002.531	14252060.73	2.6035	A	2.1
9	☐			5342.97	0.0010	P	4.2

$$y = 5.2042\text{E-}004 * x + 5.4077\text{E-}005$$

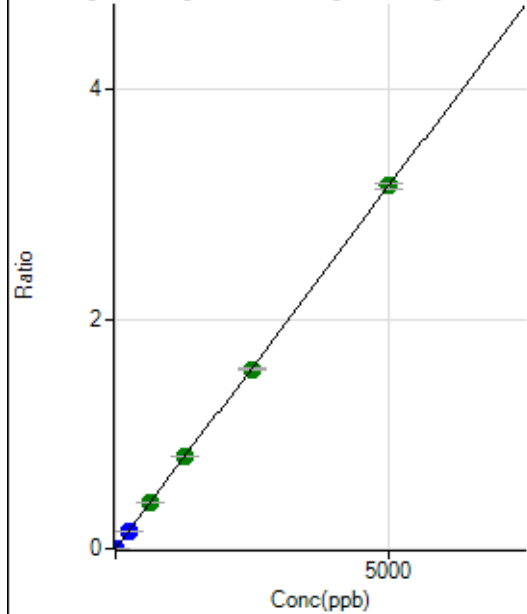
$$R = 1.0000$$

$$DL = 0.03228$$

$$BEC = 0.1039$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	119.45	0.0000	P	22.6
2	☐	0.500					
3	☐	5.000	4.594	15431.66	0.0029	P	6.3
4	☐	250.000	247.279	850883.21	0.1560	P	0.6
5	☐	625.000	631.585	2155574.05	0.3984	A	0.9
6	☐	1250.000	1264.337	4396591.55	0.7976	A	0.5
7	☐	2500.000	2478.935	8663983.44	1.5638	A	0.4
8	☐	5000.000	5006.262	17289700.91	3.1581	A	1.3
9	☐			8072.20	0.0016	P	8.5

$$y = 6.3083\text{E-}004 * x + 2.2142\text{E-}005$$

$$R = 1.0000$$

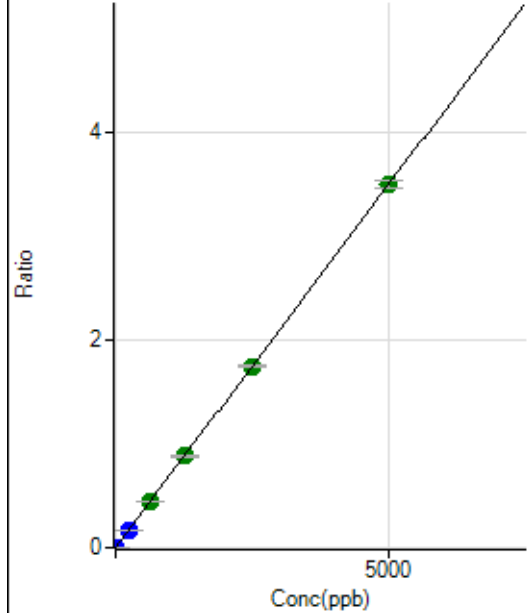
$$DL = 0.02375$$

$$BEC = 0.0351$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	194.45	0.0000	P	27.9
2	☐	0.500					
3	☐	5.000	4.555	17014.19	0.0032	P	5.9
4	☐	250.000	248.804	948300.30	0.1739	P	0.7
5	☐	625.000	635.419	2401850.71	0.4440	A	1.0
6	☐	1250.000	1264.831	4871517.55	0.8838	A	1.1
7	☐	2500.000	2495.316	9659597.35	1.7435	A	0.9
8	☐	5000.000	4997.392	19114670.57	3.4917	A	1.9
9	☐			10507.27	0.0020	P	0.8

$$y = 6.9870E-004 * x + 3.5999E-005$$

$$R = 1.0000$$

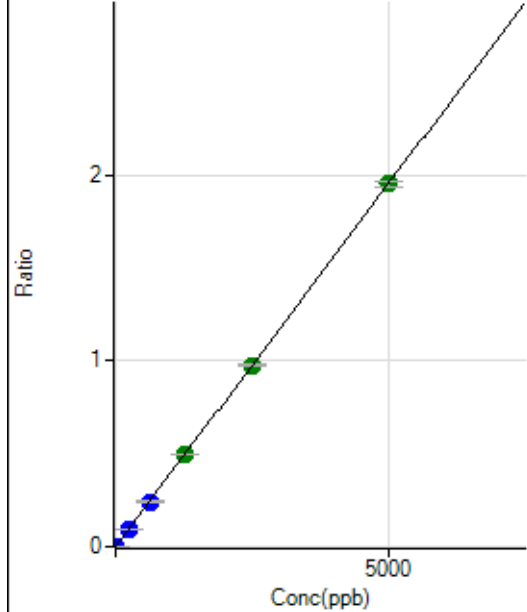
$$DL = 0.04308$$

$$BEC = 0.05152$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	119.45	0.0000	P	11.2
2	☐	0.500					
3	☐	5.000	4.701	9828.99	0.0019	P	6.5
4	☐	250.000	248.792	530504.42	0.0973	P	0.4
5	☐	625.000	621.553	1314425.94	0.2430	P	0.9
6	☐	1250.000	1265.963	2727747.22	0.4949	A	0.7
7	☐	2500.000	2498.831	5411472.26	0.9767	A	0.7
8	☐	5000.000	4997.085	10693150.24	1.9533	A	1.5
9	☐			5031.72	0.0010	P	4.4

$$y = 3.9087E-004 * x + 2.2148E-005$$

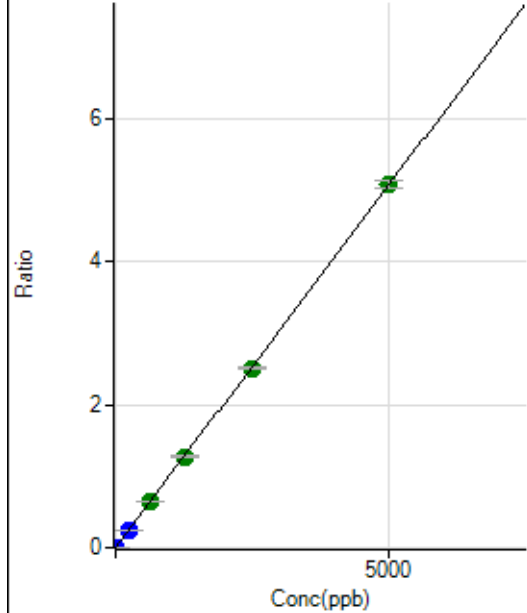
$$R = 1.0000$$

$$DL = 0.01905$$

$$BEC = 0.05666$$

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	197.24	0.0000	P	24.5
2	☐	0.500					
3	☐	5.000	4.590	24740.20	0.0047	P	5.6
4	☐	250.000	247.375	1365408.01	0.2504	P	0.8
5	☐	625.000	630.062	3449954.55	0.6376	A	0.5
6	☐	1250.000	1258.326	7018933.49	1.2733	A	0.6
7	☐	2500.000	2480.300	13905362.64	2.5098	A	0.8
8	☐	5000.000	5007.268	27737444.72	5.0669	A	2.0
9	☐			12892.81	0.0025	P	5.2

$$y = 0.0010 * x + 3.6541E-005$$

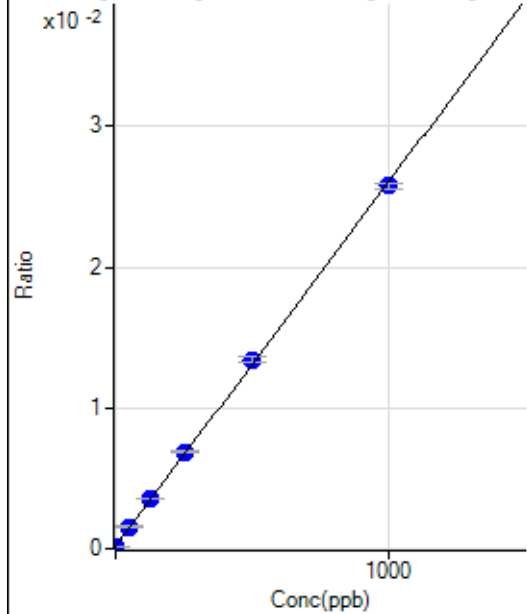
$$R = 1.0000$$

$$DL = 0.02655$$

$$BEC = 0.03611$$

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	997.31	0.0002	P	9.7
2	☐	0.100					
3	☐	1.000	0.462	1050.09	0.0002	P	14.0
4	☐	50.000	54.533	10287.75	0.0016	P	4.6
5	☐	125.000	131.488	23351.53	0.0036	P	1.3
6	☐	250.000	259.963	46207.90	0.0069	P	0.9
7	☐	500.000	513.771	90394.41	0.0134	P	3.2
8	☐	1000.000	989.586	177053.96	0.0258	P	1.7
9	☐			1019.54	0.0002	P	6.2

$$y = 2.5876E-005 * x + 1.5258E-004$$

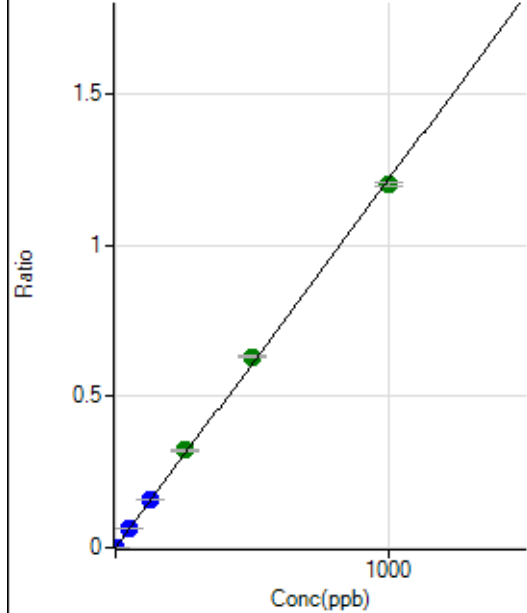
$$R = 0.9998$$

$$DL = 1.71$$

$$BEC = 5.897$$

Weight: <None>

Min Conc: 0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	33.33	0.0000	P	0.6
2	☐	0.100					
3	☐	1.000	1.013	7874.92	0.0012	P	2.6
4	☐	50.000	52.261	418740.14	0.0636	P	1.4
5	☐	125.000	129.879	1038824.57	0.1581	P	1.1
6	☐	250.000	264.173	2160530.67	0.3217	A	0.5
7	☐	500.000	519.485	4252201.05	0.6325	A	1.6
8	☐	1000.000	985.991	8252434.04	1.2005	A	0.9
9	☐			525.04	0.0001	P	10.3

$$y = 0.0012 * x + 5.0980E-006$$

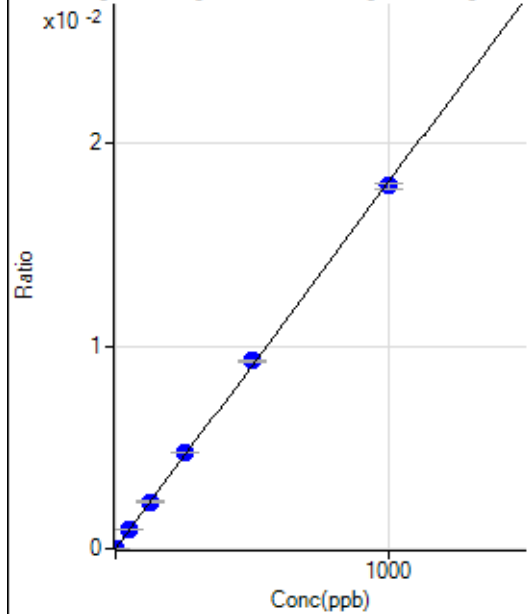
$$R = 0.9996$$

$$DL = 8.078E-05$$

$$BEC = 0.004187$$

Weight: <None>

Min Conc: 0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	5.56	0.0000	P	43.1
2	☐	0.100					
3	☐	1.000	1.025	123.62	0.0000	P	25.7
4	☐	50.000	52.906	6298.82	0.0010	P	3.2
5	☐	125.000	128.354	15245.01	0.0023	P	1.8
6	☐	250.000	261.535	31764.01	0.0047	P	0.9
7	☐	500.000	513.489	62413.18	0.0093	P	1.2
8	☐	1000.000	989.807	123002.98	0.0179	P	1.3
9	☐			27.78	0.0000	P	35.9

$$y = 1.8078E-005 * x + 8.4954E-007$$

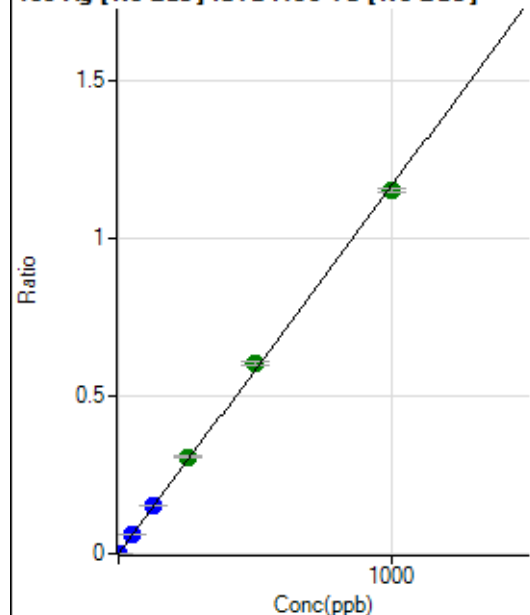
$$R = 0.9998$$

$$DL = 0.0607$$

$$BEC = 0.04699$$

Weight: <None>

Min Conc: 0

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

	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	27.78	0.0000	P	91.6
2	☐	0.100					
3	☐	1.000	1.042	7733.17	0.0012	P	4.8
4	☐	50.000	52.287	400383.22	0.0608	P	1.6
5	☐	125.000	130.126	994626.23	0.1514	P	1.5
6	☐	250.000	263.281	2057848.92	0.3064	A	1.0
7	☐	500.000	518.369	4055172.92	0.6032	A	1.3
8	☐	1000.000	986.740	7892756.60	1.1482	A	0.9
9	☐			566.70	0.0001	P	11.7

$$y = 0.0012 * x + 4.2324E-006$$

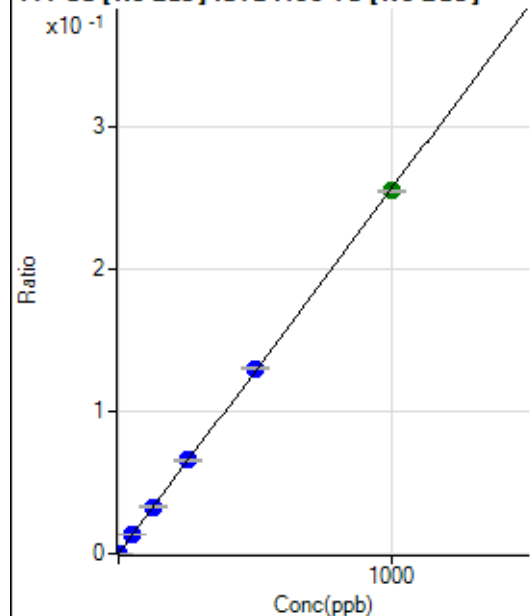
$$R = 0.9996$$

$$DL = 0.009991$$

$$BEC = 0.003637$$

Weight: <None>

Min Conc: 0

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

	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	751.17	0.0001	P	7.3
2	☐	0.100					
3	☐	1.000	1.002	2358.41	0.0004	P	5.2
4	☐	50.000	51.975	88218.47	0.0134	P	1.7
5	☐	125.000	128.699	216989.41	0.0330	P	0.5
6	☐	250.000	255.545	439727.92	0.0655	P	0.6
7	☐	500.000	507.194	872782.22	0.1298	P	0.8
8	☐	1000.000	994.456	1749032.15	0.2544	A	0.5
9	☐			931.74	0.0001	P	7.9

$$y = 2.5573E-004 * x + 1.1491E-004$$

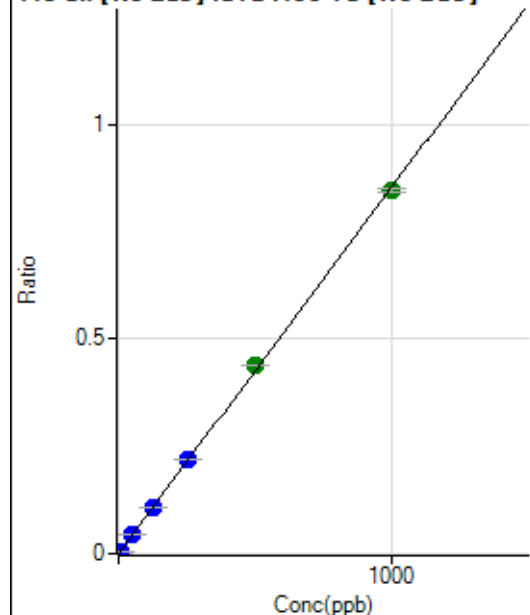
$$R = 0.9999$$

$$DL = 0.09822$$

$$BEC = 0.4494$$

Weight: <None>

Min Conc: 0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	536.14	0.0001	P	20.5
2	☐	0.500					
3	☐	5.000	4.699	25984.66	0.0041	P	6.2
4	☐	50.000	51.068	287218.90	0.0436	P	1.3
5	☐	125.000	127.103	712810.91	0.1085	P	1.2
6	☐	250.000	255.824	1466510.11	0.2183	P	0.1
7	☐	500.000	514.724	2952739.67	0.4392	A	0.6
8	☐	1000.000	990.867	5811327.82	0.8454	A	1.0
9	☐			3050.48	0.0005	P	3.0

$$y = 8.5312\text{E-}004 * x + 8.2071\text{E-}005$$

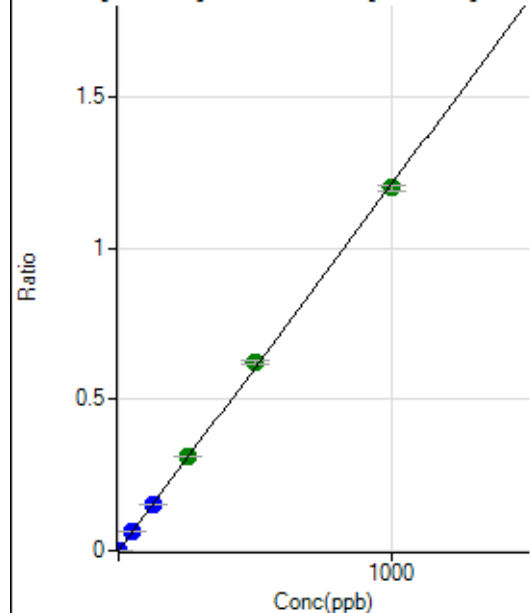
$$R = 0.9998$$

$$DL = 0.05906$$

$$BEC = 0.0962$$

Weight: <None>

Min Conc: 0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	52.78	0.0000	P	24.1
2	☐	0.200					
3	☐	2.000	1.934	14964.61	0.0024	P	5.6
4	☐	50.000	50.999	407251.22	0.0619	P	1.6
5	☐	125.000	127.131	1013416.77	0.1543	P	1.1
6	☐	250.000	258.690	2108507.12	0.3139	A	0.6
7	☐	500.000	514.880	4200263.73	0.6248	A	1.3
8	☐	1000.000	990.071	8257678.83	1.2014	A	1.8
9	☐			9259.16	0.0014	P	1.1

$$y = 0.0012 * x + 8.0737\text{E-}006$$

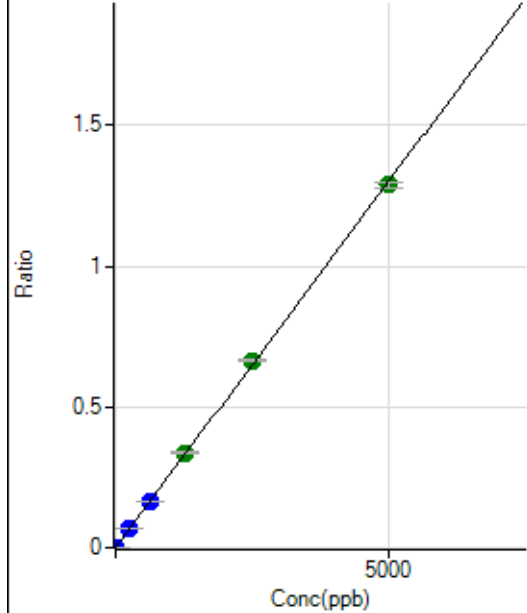
$$R = 0.9998$$

$$DL = 0.004813$$

$$BEC = 0.006654$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	136.12	0.0000	P	34.0
2	☐	1.000					
3	☐	10.000	9.588	15979.73	0.0025	P	4.3
4	☐	250.000	255.234	436887.54	0.0664	P	1.0
5	☐	625.000	634.227	1083739.10	0.1649	P	1.0
6	☐	1250.000	1297.977	2267242.58	0.3375	A	1.0
7	☐	2500.000	2560.625	4476639.68	0.6659	A	1.0
8	☐	5000.000	4956.279	8858873.63	1.2888	A	1.7
9	☐			2086.38	0.0003	P	6.4

$$y = 2.6004\text{E-}004 * x + 2.0840\text{E-}005$$

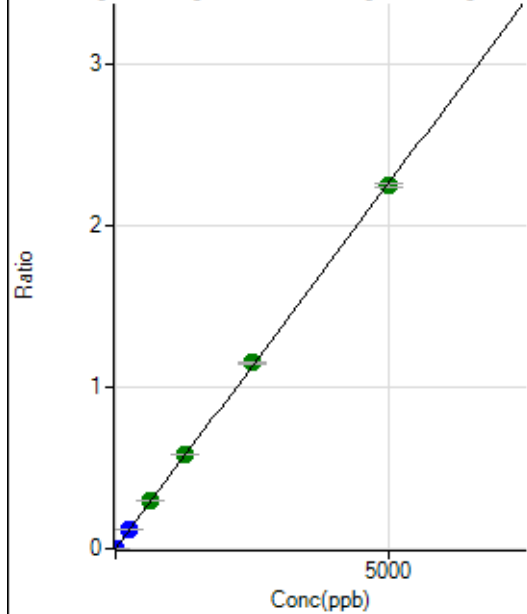
$$R = 0.9998$$

$$DL = 0.08177$$

$$BEC = 0.08014$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	208.35	0.0000	P	21.8
2	☐	1.000					
3	☐	10.000	9.488	27476.70	0.0043	P	5.1
4	☐	250.000	256.194	762683.67	0.1159	P	1.7
5	☐	625.000	649.107	1929624.85	0.2936	A	1.2
6	☐	1250.000	1288.475	3914598.00	0.5828	A	1.0
7	☐	2500.000	2541.006	7726720.14	1.1493	A	0.9
8	☐	5000.000	4966.556	15441403.99	2.2464	A	1.1
9	☐			3672.90	0.0006	P	9.4

$$y = 4.5229\text{E-}004 * x + 3.1893\text{E-}005$$

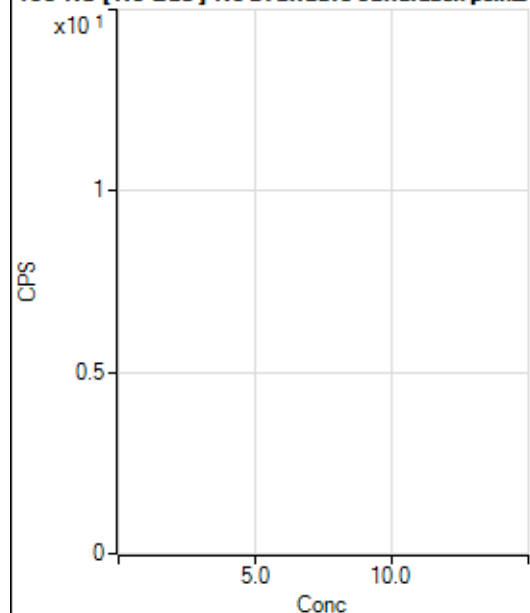
$$R = 0.9999$$

$$DL = 0.04612$$

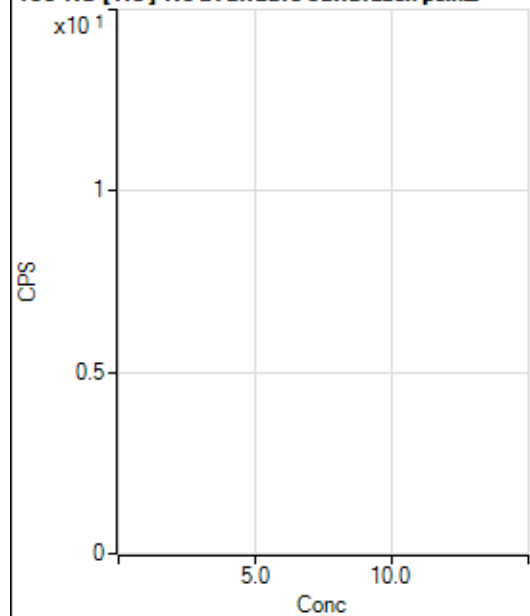
$$BEC = 0.07051$$

Weight: <None>

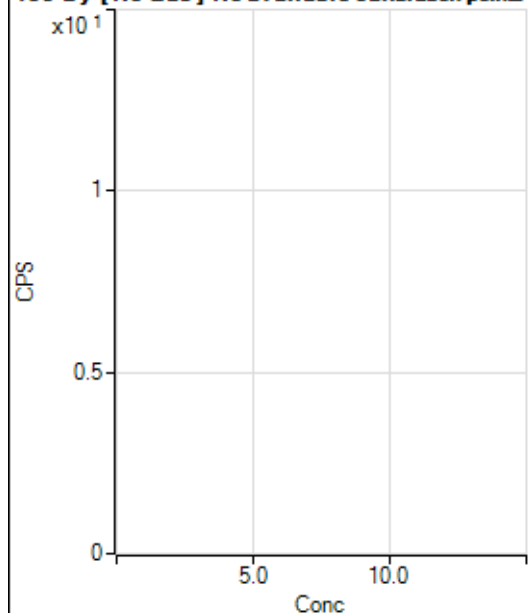
Min Conc: 0

150 Nd [No Gas] No available calibration points

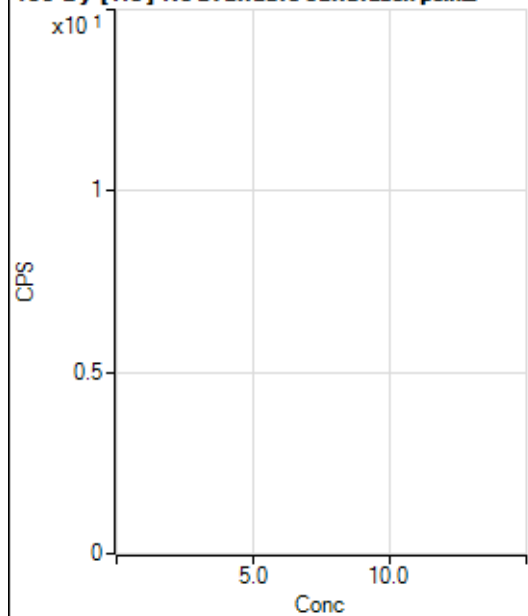
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			11.11		P	69.3
2	☐						
3	☐			6.67		P	0.0
4	☐			31.11		P	44.6
5	☐			48.89		P	34.3
6	☐			86.67		P	13.3
7	☐			153.34		P	4.3
8	☐			342.24		P	10.0
9	☐			95.56		P	20.1

150 Nd [He] No available calibration points

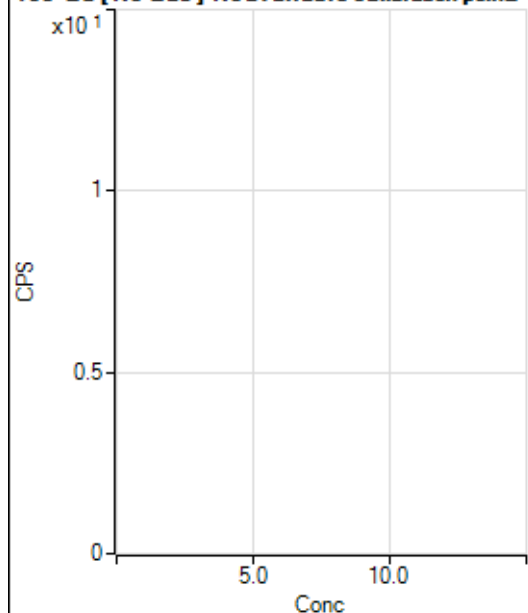
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			0.00		P	
2	☐						
3	☐			0.00		P	
4	☐			0.00		P	
5	☐			1.11		P	173.2
6	☐			1.11		P	173.2
7	☐			3.33		P	100.1
8	☐			12.22		P	41.7
9	☐			11.11		P	96.4

156 Dy [No Gas] No available calibration points

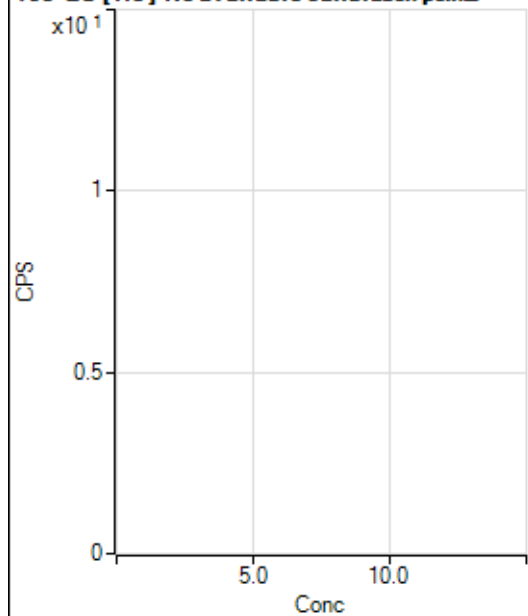
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			2.78		P	173.2
2	☐						
3	☐			13.89		P	91.6
4	☐			25.00		P	33.3
5	☐			19.45		P	24.7
6	☐			44.45		P	10.8
7	☐			97.23		P	13.1
8	☐			122.23		P	35.0
9	☐			61.11		P	31.5

156 Dy [He] No available calibration points

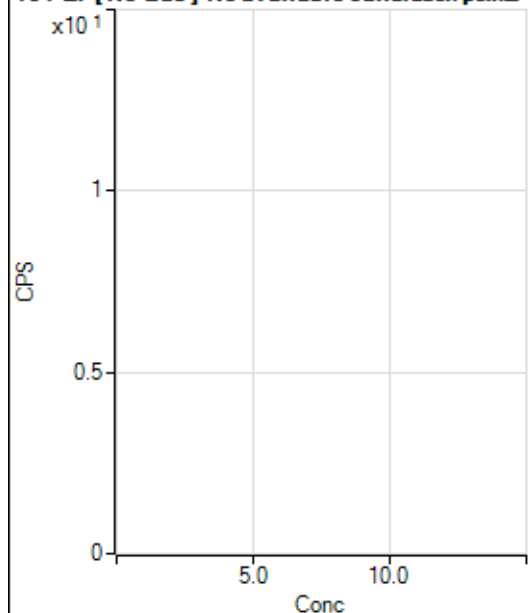
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			1.11		P	173.2
2	☐						
3	☐			1.11		P	173.2
4	☐			2.22		P	173.2
5	☐			1.11		P	173.2
6	☐			4.44		P	114.6
7	☐			12.22		P	31.5
8	☐			17.78		P	28.6
9	☐			13.33		P	50.0

160 Gd [No Gas] Noavailable calibration poin_

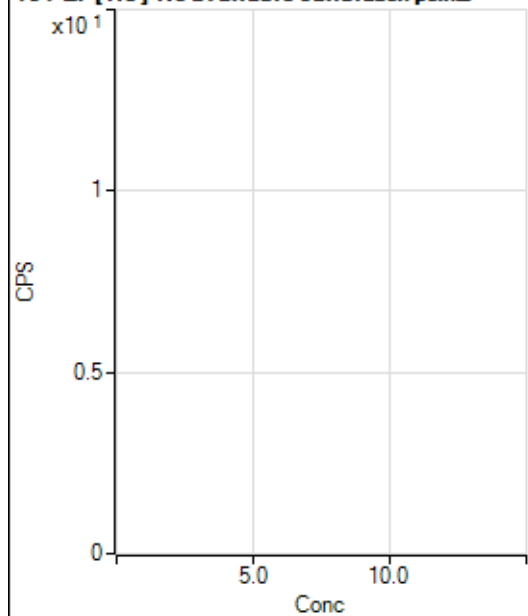
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			25.00		P	0.0
2	☐						
3	☐			50.00		P	72.7
4	☐			52.78		P	24.1
5	☐			47.22		P	36.7
6	☐			86.11		P	11.2
7	☐			72.23		P	17.6
8	☐			152.79		P	15.7
9	☐			141.68		P	38.6

160 Gd [He] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			4.44		P	114.6
2	☐						
3	☐			6.67		P	50.0
4	☐			6.67		P	100.0
5	☐			6.67		P	50.0
6	☐			13.33		P	25.0
7	☐			13.33		P	43.3
8	☐			28.89		P	17.6
9	☐			32.22		P	15.8

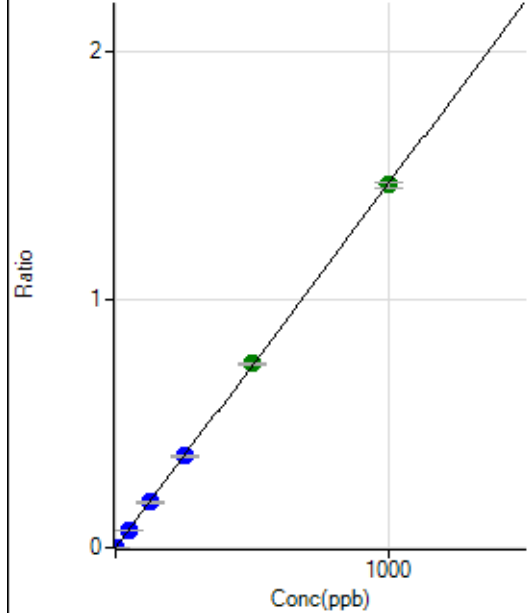
164 Er [No Gas] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			36.11		P	48.0
2	☐						
3	☐			38.89		P	12.4
4	☐			30.55		P	68.6
5	☐			33.33		P	43.3
6	☐			41.67		P	52.9
7	☐			41.67		P	34.6
8	☐			50.00		P	57.7
9	☐			66.67		P	33.1

164 Er [He] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			5.55		P	69.3
2	☐						
3	☐			6.67		P	50.0
4	☐			6.67		P	100.0
5	☐			3.33		P	100.1
6	☐			5.56		P	34.7
7	☐			5.55		P	69.3
8	☐			6.67		P	0.0
9	☐			8.89		P	94.4

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	722.28	0.0002	P	8.8
2	☐	0.100					
3	☐	1.000	0.946	6287.97	0.0016	P	4.1
4	☐	50.000	49.661	302182.29	0.0731	P	0.7
5	☐	125.000	124.419	753138.93	0.1830	P	1.4
6	☐	250.000	251.692	1554819.14	0.3700	P	0.7
7	☐	500.000	506.424	3161973.47	0.7443	A	1.0
8	☐	1000.000	996.455	6255223.36	1.4643	A	1.4
9	☐			2961.60	0.0007	P	7.5

$$y = 0.0015 * x + 1.7551E-004$$

$$R = 1.0000$$

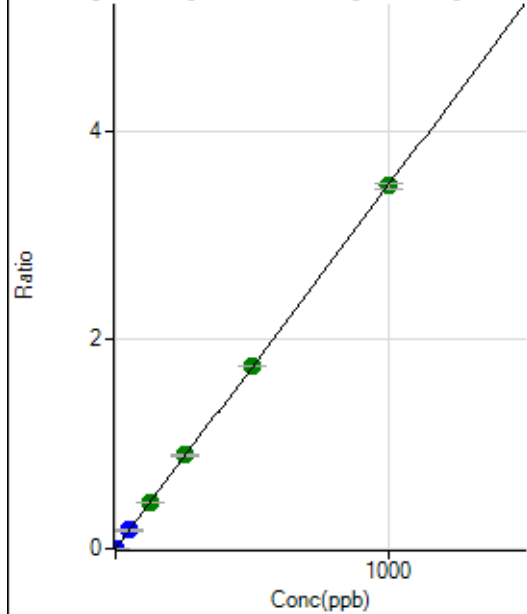
$$DL = 0.03137$$

$$BEC = 0.1194$$

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	1525.16	0.0004	P	4.1
2	☐	0.100					
3	☐	1.000	1.003	15532.39	0.0039	P	3.6
4	☐	50.000	50.142	723334.99	0.1751	P	0.5
5	☐	125.000	127.462	1829893.70	0.4445	A	0.8
6	☐	250.000	256.404	3755829.90	0.8938	A	0.7
7	☐	500.000	500.753	7414197.47	1.7452	A	0.4
8	☐	1000.000	997.708	14851301.90	3.4768	A	1.6
9	☐			6949.47	0.0018	P	4.1

$$y = 0.0035 * x + 3.7063E-004$$

$$R = 1.0000$$

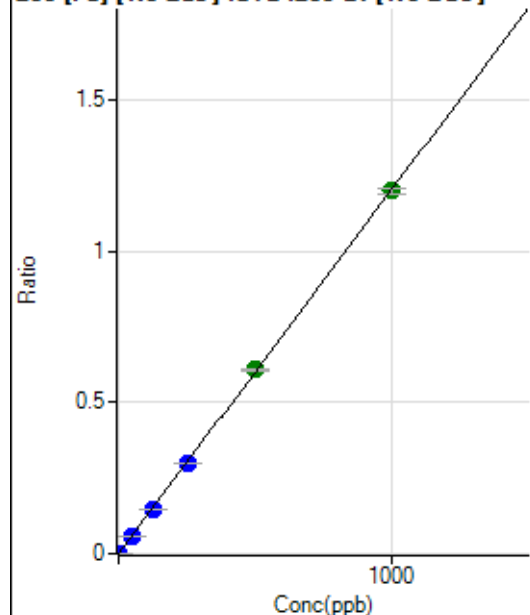
$$DL = 0.013$$

$$BEC = 0.1064$$

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	677.82	0.0002	P	10.2
2	☐	0.100					
3	☐	1.000	0.983	5414.28	0.0013	P	7.8
4	☐	50.000	49.566	247313.82	0.0599	P	0.5
5	☐	125.000	123.311	611987.11	0.1487	P	0.9
6	☐	250.000	249.213	1262025.82	0.3003	P	0.4
7	☐	500.000	506.150	2590565.74	0.6098	A	1.1
8	☐	1000.000	997.354	5131921.47	1.2014	A	1.7
9	☐			5981.21	0.0015	P	1.9

$$y = 0.0012 * x + 1.6477E-004$$

$$R = 1.0000$$

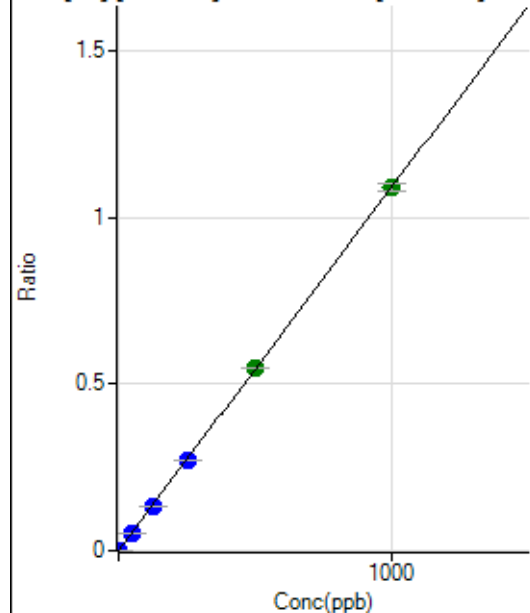
$$DL = 0.04188$$

$$BEC = 0.1368$$

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	561.14	0.0001	P	9.9
2	☐	0.100					
3	☐	1.000	0.980	4836.27	0.0012	P	9.4
4	☐	50.000	49.263	222587.97	0.0539	P	0.5
5	☐	125.000	122.407	550227.65	0.1337	P	0.1
6	☐	250.000	247.201	1133820.30	0.2698	P	0.2
7	☐	500.000	504.768	2340031.22	0.5508	A	0.3
8	☐	1000.000	998.677	4654157.68	1.0896	A	2.2
9	☐			4965.93	0.0013	P	1.8

$$y = 0.0011 * x + 1.3630E-004$$

$$R = 1.0000$$

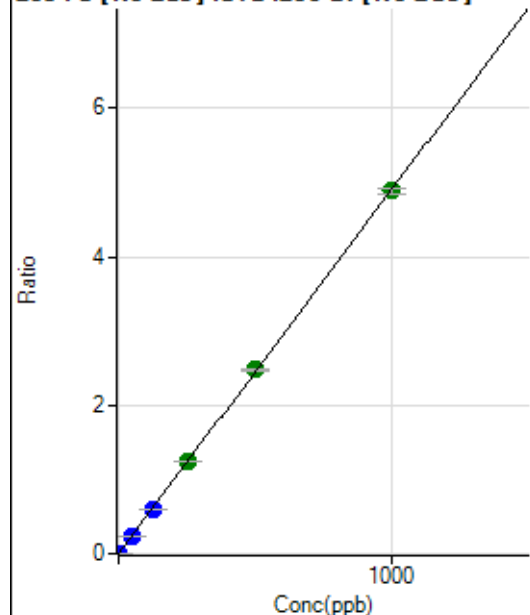
$$DL = 0.03697$$

$$BEC = 0.1249$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	2692.80	0.0007	P	1.2
2	☐	0.100					
3	☐	1.000	0.964	21607.80	0.0054	P	5.7
4	☐	50.000	49.157	998067.75	0.2416	P	0.3
5	☐	125.000	122.965	2483386.49	0.6033	P	0.5
6	☐	250.000	252.277	5198717.22	1.2371	A	0.1
7	☐	500.000	505.139	10521032.21	2.4765	A	0.2
8	☐	1000.000	997.158	20879406.71	4.8880	A	1.6
9	☐			23281.27	0.0059	P	0.6

$$y = 0.0049 * x + 6.5431E-004$$

$$R = 1.0000$$

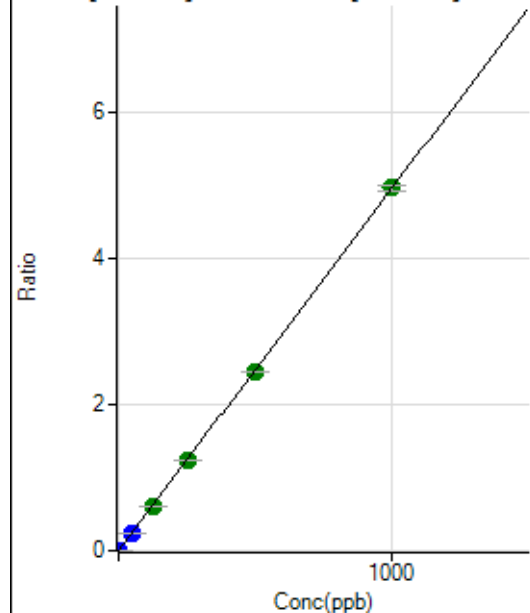
$$DL = 0.004628$$

$$BEC = 0.1335$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	1019.54	0.0002	P	8.7
2	☐	0.100					
3	☐	1.000	0.866	18241.89	0.0045	P	6.6
4	☐	50.000	48.609	996592.49	0.2412	P	1.0
5	☐	125.000	124.521	2542089.18	0.6176	A	0.3
6	☐	250.000	249.531	5199533.23	1.2373	A	0.7
7	☐	500.000	494.177	10409457.26	2.4502	A	0.6
8	☐	1000.000	1003.158	21244603.60	4.9735	A	1.7
9	☐			2158.62	0.0005	P	4.7

$$y = 0.0050 * x + 2.4774E-004$$

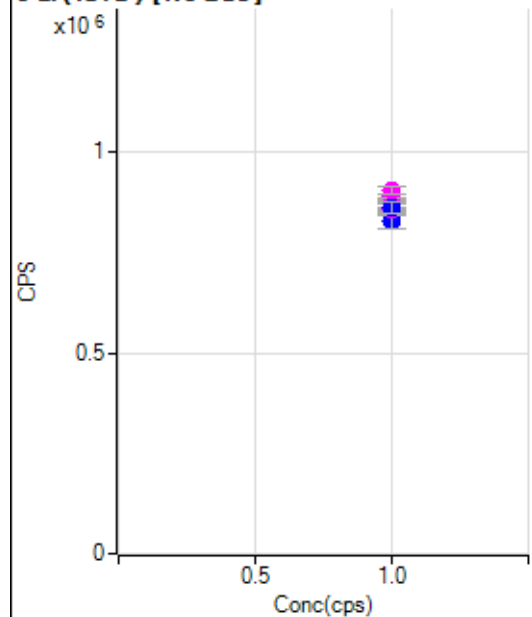
$$R = 1.0000$$

$$DL = 0.01305$$

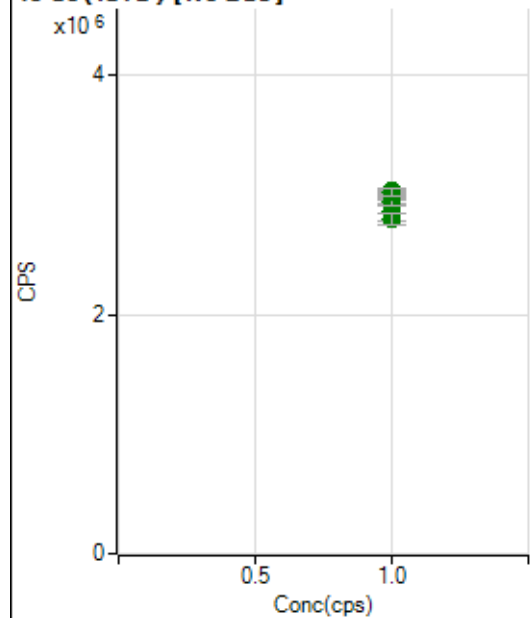
$$BEC = 0.04997$$

Weight: <None>

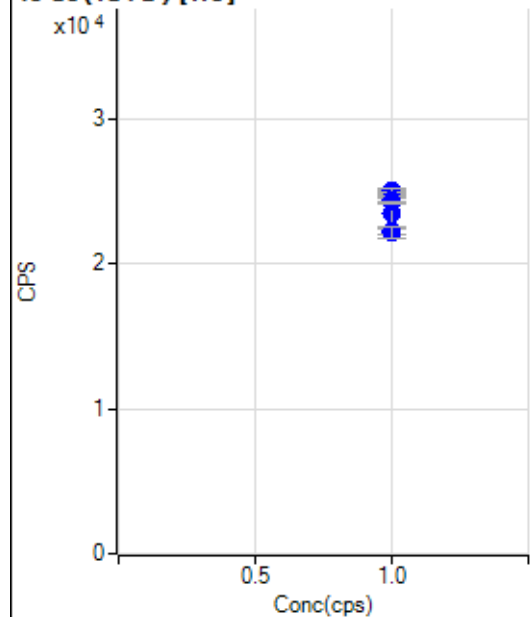
Min Conc: 0

6 Li (ISTD) [No Gas]

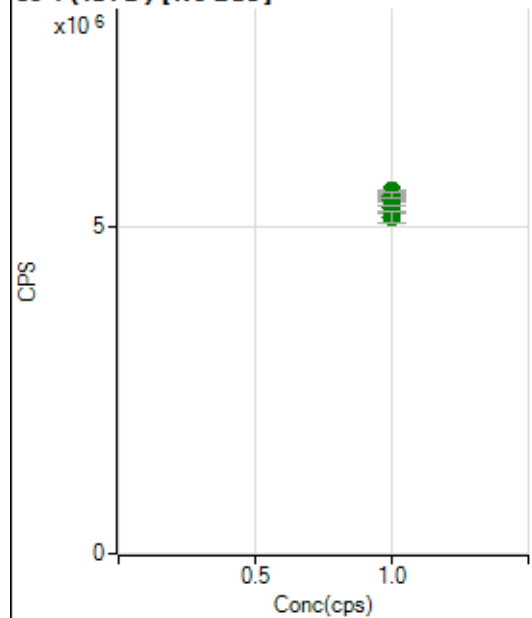
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		849294.74		P	0.8
2	☐	1.000					
3	☐	1.000		826943.11		P	4.6
4	☐	1.000		861117.85		P	0.7
5	☐	1.000		858275.83		M	3.2
6	☐	1.000		881984.33		P	0.3
7	☐	1.000		892027.90		M	0.9
8	☐	1.000		903992.16		M	2.3
9	☐	1.000		863515.53		P	3.2

45 Sc (ISTD) [No Gas]

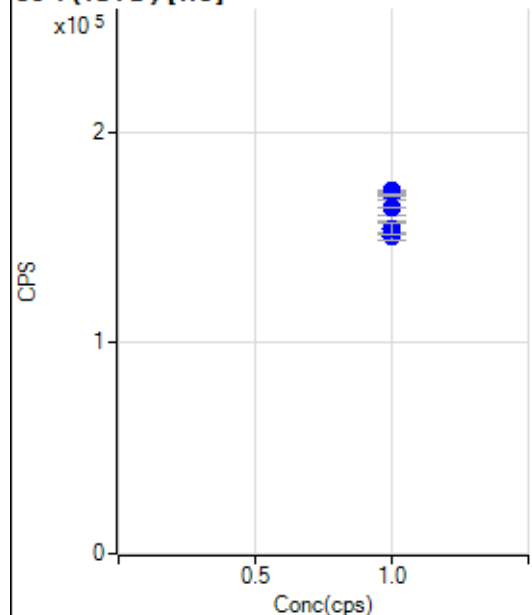
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		2965068.79		A	0.8
2	☐	1.000					
3	☐	1.000		2855051.26		A	5.2
4	☐	1.000		2983526.35		A	0.7
5	☐	1.000		2947139.35		A	2.9
6	☐	1.000		3031289.63		A	0.3
7	☐	1.000		3015223.83		A	0.9
8	☐	1.000		3019513.31		A	2.3
9	☐	1.000		2796933.07		A	3.3

45 Sc (ISTD) [He]

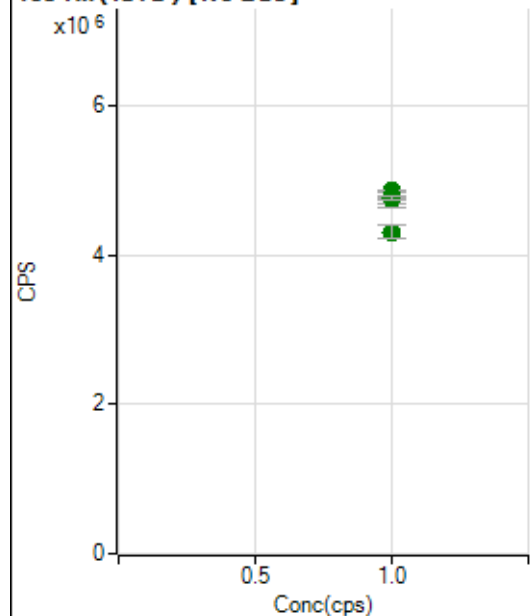
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		23491.20		P	9.3
2	☐	1.000					
3	☐	1.000		24846.65		P	1.2
4	☐	1.000		24985.71		P	0.9
5	☐	1.000		22261.17		P	2.1
6	☐	1.000		25071.49		P	1.1
7	☐	1.000		24499.45		P	1.9
8	☐	1.000		24275.61		P	0.2
9	☐	1.000		22215.57		P	3.5

89 Y (ISTD) [No Gas]

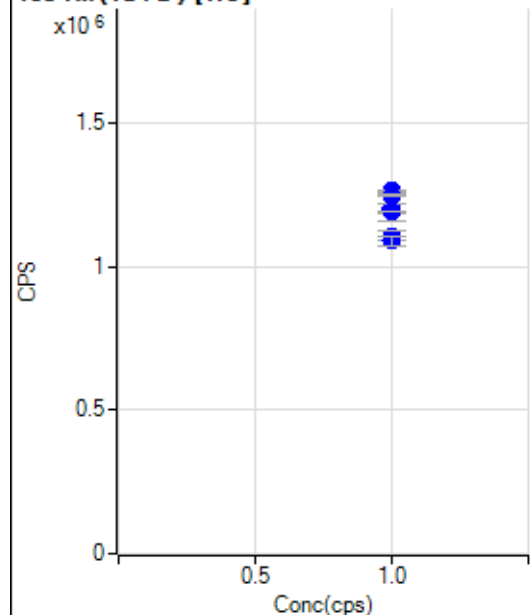
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		5395472.14		A	0.6
2	☐	1.000					
3	☐	1.000		5293343.11		A	4.1
4	☐	1.000		5454078.88		A	0.7
5	☐	1.000		5410833.88		A	3.6
6	☐	1.000		5512305.96		A	0.3
7	☐	1.000		5540303.11		A	0.2
8	☐	1.000		5475327.56		A	1.5
9	☐	1.000		5139727.84		A	3.1

89 Y(ISTD) [He]

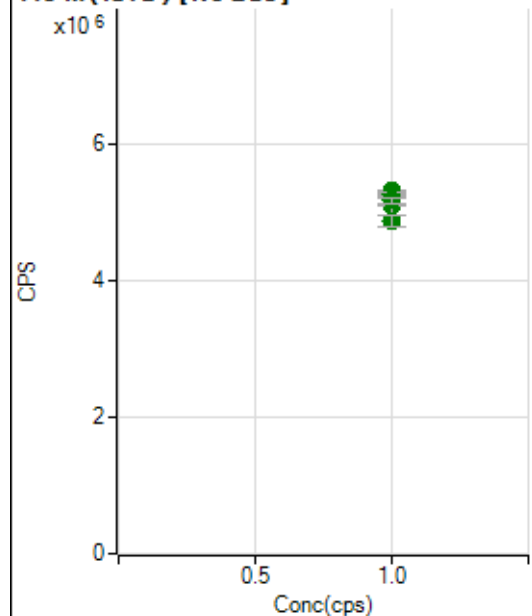
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		163934.96		P	7.7
2	☐	1.000					
3	☐	1.000		171722.31		P	0.5
4	☐	1.000		172006.23		P	0.1
5	☐	1.000		150579.41		P	2.4
6	☐	1.000		170117.07		P	0.3
7	☐	1.000		163808.81		P	4.4
8	☐	1.000		163984.10		P	0.3
9	☐	1.000		154109.32		P	4.0

103 Rh(ISTD) [No Gas]

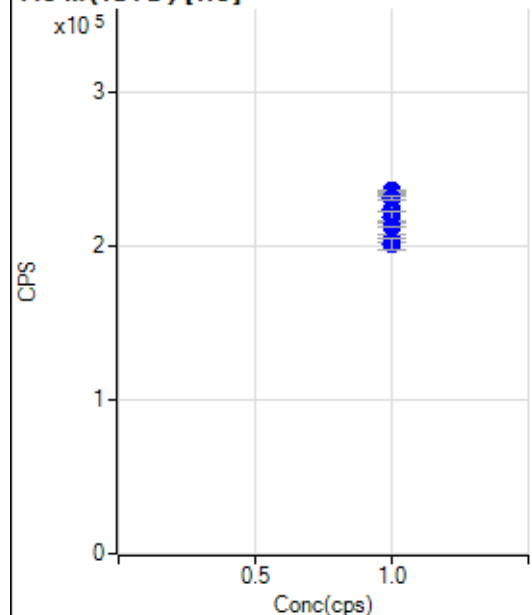
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		4841986.87		A	0.4
2	☐	1.000					
3	☐	1.000		4747961.30		A	4.5
4	☐	1.000		4847909.87		A	0.3
5	☐	1.000		4789208.65		A	3.7
6	☐	1.000		4859752.02		A	0.3
7	☐	1.000		4786198.85		A	0.4
8	☐	1.000		4761807.66		A	1.1
9	☐	1.000		4306968.85		A	4.0

103 Rh (ISTD) [He]

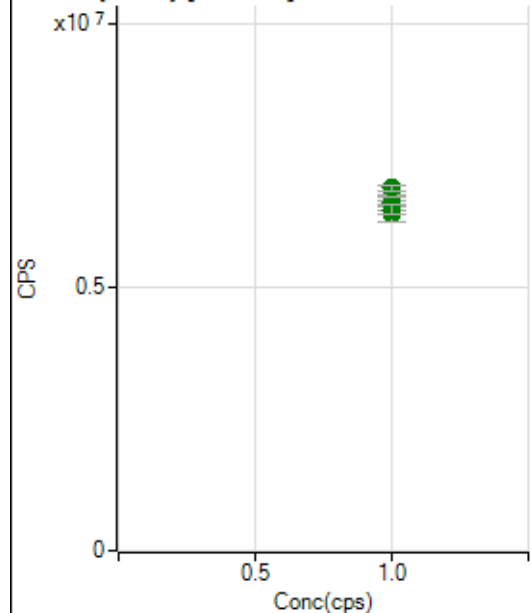
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		1209269.92		P	7.9
2	☐	1.000					
3	☐	1.000		1263557.29		P	0.6
4	☐	1.000		1266140.76		P	0.3
5	☐	1.000		1109700.08		P	2.7
6	☐	1.000		1251499.04		P	0.6
7	☐	1.000		1204338.22		P	2.9
8	☐	1.000		1194826.80		P	0.4
9	☐	1.000		1091295.29		P	3.0

115 In (ISTD) [No Gas]

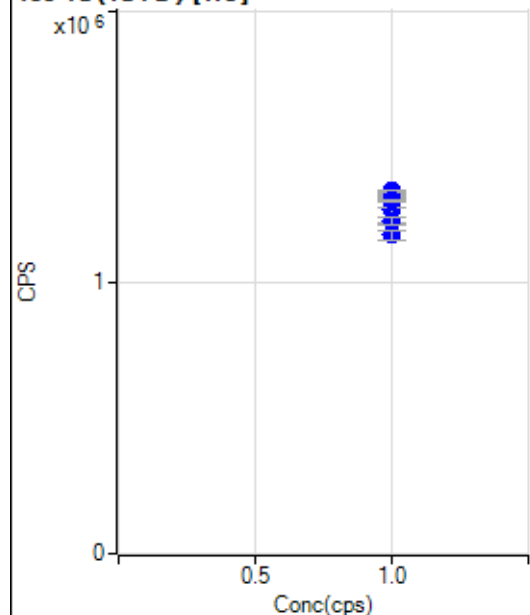
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		5280011.35		A	0.5
2	☐	1.000					
3	☐	1.000		5091297.52		A	4.6
4	☐	1.000		5279992.19		A	0.1
5	☐	1.000		5205440.74		A	4.0
6	☐	1.000		5319985.38		A	0.2
7	☐	1.000		5268218.72		A	1.2
8	☐	1.000		5183588.25		A	1.7
9	☐	1.000		4874555.21		A	3.5

115 In (ISTD) [He]

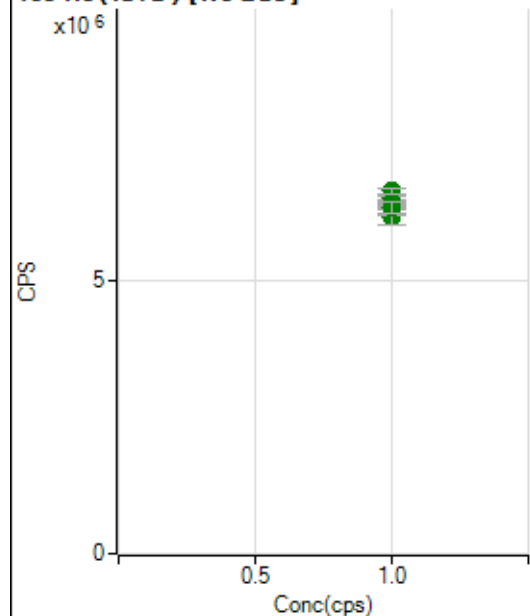
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		224187.29		P	8.6
2	☐	1.000					
3	☐	1.000		234069.24		P	0.2
4	☐	1.000		235639.20		P	0.2
5	☐	1.000		205083.58		P	2.4
6	☐	1.000		230713.74		P	1.0
7	☐	1.000		219165.13		P	2.9
8	☐	1.000		212277.70		P	0.3
9	☐	1.000		201631.45		P	3.7

159 Tb (ISTD) [No Gas]

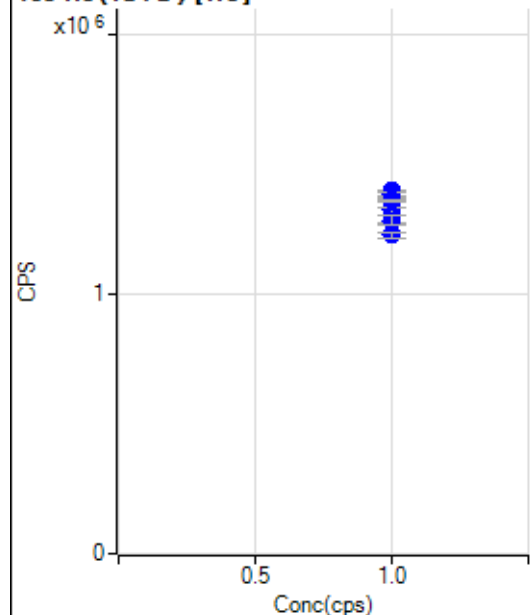
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		6538076.29		A	0.6
2	☐	1.000					
3	☐	1.000		6364297.34		A	4.6
4	☐	1.000		6580835.87		A	1.1
5	☐	1.000		6570584.35		A	3.7
6	☐	1.000		6716958.93		A	0.2
7	☐	1.000		6723117.82		A	0.7
8	☐	1.000		6874549.13		A	1.3
9	☐	1.000		6467173.51		A	3.3

159 Tb (ISTD) [He]

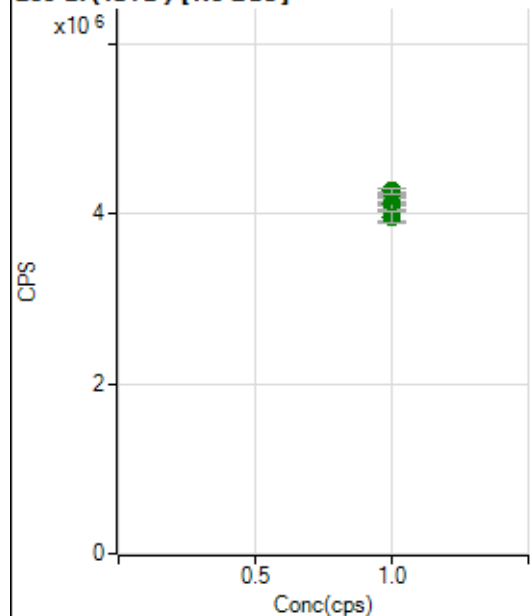
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		1268705.14		P	8.0
2	☐	1.000					
3	☐	1.000		1328752.57		P	0.2
4	☐	1.000		1337621.91		P	0.3
5	☐	1.000		1173859.21		P	2.7
6	☐	1.000		1334940.29		P	0.6
7	☐	1.000		1294421.45		P	2.8
8	☐	1.000		1303118.42		P	0.7
9	☐	1.000		1226679.44		P	2.8

165 Ho (ISTD) [No Gas]

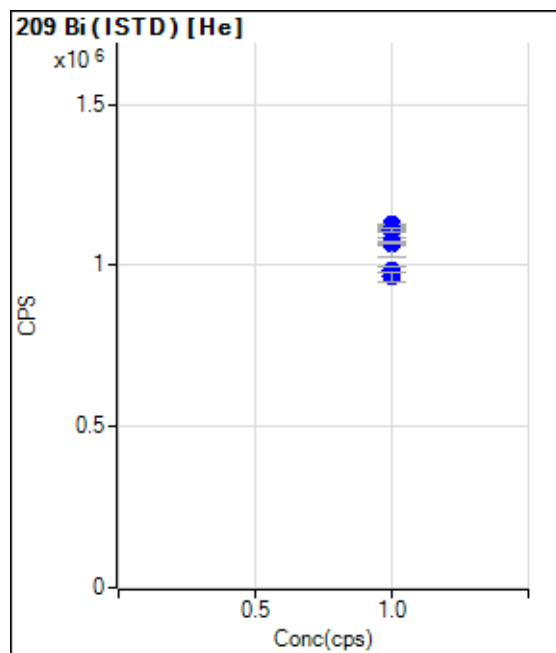
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		6356916.55		A	0.6
2	☐	1.000					
3	☐	1.000		6155329.22		A	4.9
4	☐	1.000		6373740.64		A	0.7
5	☐	1.000		6325880.92		A	4.4
6	☐	1.000		6505111.95		A	0.7
7	☐	1.000		6540959.65		A	0.4
8	☐	1.000		6631550.50		A	1.9
9	☐	1.000		6330776.70		A	3.5

165 Ho (ISTD) [He]

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		1321727.80		P	7.7
2	☐	1.000					
3	☐	1.000		1383681.31		P	0.6
4	☐	1.000		1396168.44		P	0.2
5	☐	1.000		1225204.08		P	2.0
6	☐	1.000		1392157.19		P	0.3
7	☐	1.000		1351583.23		P	3.1
8	☐	1.000		1358387.24		P	0.5
9	☐	1.000		1281982.52		P	3.2

209 Bi (ISTD) [No Gas]

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		4115314.94		A	0.6
2	☐	1.000					
3	☐	1.000		4022354.63		A	4.8
4	☐	1.000		4131360.53		A	0.6
5	☐	1.000		4116096.19		A	3.1
6	☐	1.000		4202244.10		A	0.3
7	☐	1.000		4248398.20		A	0.3
8	☐	1.000		4272405.74		A	1.7
9	☐	1.000		3954841.43		A	3.3



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		1066784.19		P	8.2
2	☐	1.000					
3	☐	1.000		1122133.22		P	0.4
4	☐	1.000		1125432.17		P	0.5
5	☐	1.000		986333.26		P	2.1
6	☐	1.000		1110101.08		P	0.7
7	☐	1.000		1073579.64		P	2.7
8	☐	1.000		1072893.40		P	0.7
9	☐	1.000		966078.00		P	3.1

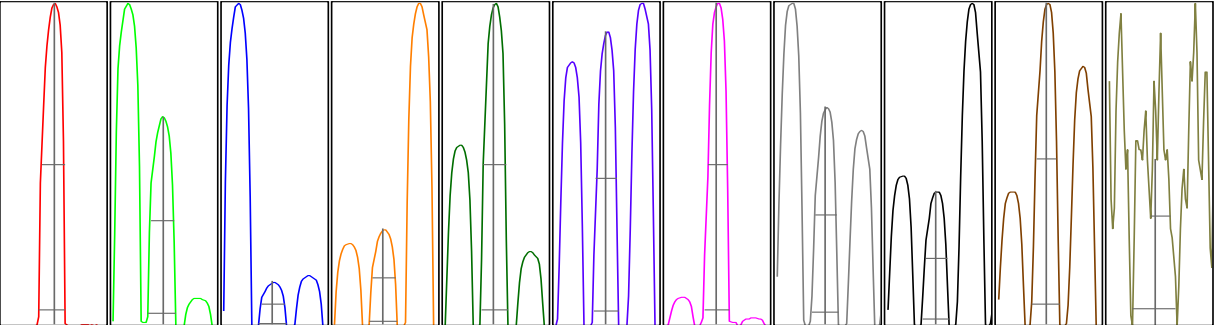
US EPA Tune Check Sample Report

Batch Folder D:\P8092817MS.b
Report Comment
Instrument Name G8403A JP17141814

[No Gas]				
Mass	Count (Mean)	RSD% (Actual)	RSD% (Required)	RSD% (Flag)
9	7439	0.93	5.00	
24	50532	0.75	5.00	
25	6735	1.02	5.00	
26	7760	1.08	5.00	
59	72812	1.46	5.00	
113	10443	2.02	5.00	
115	132441	1.85	5.00	
206	29879	1.48	5.00	
207	27273	1.50	5.00	
208	64905	1.93	5.00	
220	2	7.65		

Mass	Replicate 1 Count	Replicate 2 Count	Replicate 3 Count	Replicate 4 Count	Replicate 5 Count
9	7336	7510	7492	7443	7414
24	50233	50468	51183	50300	50477
25	6666	6690	6844	6728	6746
26	7796	7693	7877	7667	7766
59	73702	72185	74209	72060	71903
113	10712	10285	10569	10459	10189
115	135547	131866	133137	132868	128788
206	29864	30106	29771	30427	29229
207	27298	27337	27459	27681	26592
208	64598	65744	64947	66251	62984
220	2	2	2	1	2

Integration Time [sec] = 0.1



Mass	Peak Height	Axis (Actual)	Axis (Required)	Axis (Flag)	Width-X% (Actual)	Width-X% (Required)	Width- X% (Flag)
9	12087	9.05	8.9 - 9.1		0.744	0.900	
24	79154	24.00	23.9 - 24.1		0.791	0.900	
25	10646	24.95	24.9 - 25.1		0.789	0.900	
26	12370	25.95	25.9 - 26.1		0.788	0.900	
59	122120	58.95	58.9 - 59.1		0.779	0.900	
113	18693	113.00	112.9 - 113.1		0.734	0.900	
115	234401	115.00	114.9 - 115.1		0.739	0.900	
206	52056	205.95	205.9 - 206.1		0.775	0.900	
207	46479	206.95	206.9 - 207.1		0.780	0.900	
208	111729	207.95	207.9 - 208.1		0.794	0.900	
220	2	219.90	-		1.222		

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

Tune Parameters

Plasma Paramters

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

Lenses Parameters

ParameterName	Value	Unit	ParameterName	Value	Unit	ParameterName	Value	Unit
Extract 1	0.0	V	Omega Lens	8.8	V	Deflect	13.8	V
Extract 2	-240.0	V	Cell Entrance	-30	V	Plate Bias	-35	V
Omega Bias	-95	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	190	V			

[He]

Mass	Count (Mean)	RSD% (Actual)	RSD% (Required)
59	9508	0.83	
89	2131	1.02	
205	14564	1.15	

Mass	Replicate 1 Count	Replicate 2 Count	Replicate 3 Count	Replicate 4 Count	Replicate 5 Count
59	9638	9482	9523	9438	9460
89	2165	2121	2138	2108	2121
205	14745	14612	14685	14358	14418

Integration Time [sec] = 0.1

Tune Parameters

Plasma Paramters

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

Lenses Parameters

ParameterName	Value	Unit	ParameterName	Value	Unit	ParameterName	Value	Unit
Extract 1	0.0	V	Omega Lens	8.8	V	Deflect	2.0	V
Extract 2	-240.0	V	Cell Entrance	-40	V	Plate Bias	-60	V
Omega Bias	-95	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 :	LB90416	Operator :	Jaswal
Lab Sample ID :	S00	Instrumnet Name :	P8
Client Sample ID :	S00	Dilution Factor :	1
Date & Time Acquired ::	2017-09-28 12:53:26	DataFile Name :	003CALB_P8092817MS.

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	3.07	-0.58	-2.49	0.00	N/A	ppb
Antimony	121-1	0.00	0.00	0.00	0.00	N/A	ppb
Arsenic	75-2	0.00	-0.03	0.04	0.00	N/A	ppb
Barium	135-1	0.01	0.02	-0.03	0.00	N/A	ppb
Barium	137-1	0.02	-0.01	-0.01	0.00	N/A	ppb
Beryllium	9-1	0.02	0.03	-0.04	0.00	N/A	ppb
Bismuth	209-1				100		%
Bismuth	209-2				100		%
Boron	10-1	0.08	0.00	-0.07	0.00	N/A	ppb
Boron	11-1	-0.07	0.11	-0.04	0.00	N/A	ppb
Cadmium	111-1	0.03	-0.03	0.00	0.00	N/A	ppb
Cadmium	106-1	0.55	-0.59	0.03	0.00	N/A	ppb
Cadmium	108-1	-0.01	0.02	-0.01	0.00	N/A	ppb
Calcium	43-1	0.88	4.94	-5.82	0.00	N/A	ppb
Calcium	44-1	0.56	-0.80	0.24	0.00	N/A	ppb
Chromium	52-2	-0.10	0.14	-0.04	0.00	N/A	ppb
Cobalt	59-2	-0.02	0.01	0.02	0.00	N/A	ppb
Copper	63-2	-0.01	0.04	-0.03	0.00	N/A	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				100		%
Holmium	165-2				100		%
Indium	115-1				100		%
Indium	115-2				100		%
Iron	56-2	-0.16	0.21	-0.05	0.00	N/A	ppb
Iron	57-2	0.99	0.07	-1.06	0.00	N/A	ppb
Lead	206-1	-0.02	0.01	0.00	0.00	N/A	ppb
Lead	207-1	0.01	-0.01	0.00	0.00	N/A	ppb
Lead	208-1	0.00	0.00	0.00	0.00	N/A	ppb
Lithium	6-1				100		%
Magnesium	24-2	0.00	0.10	-0.10	0.00	N/A	ppb
Manganese	55-2	-0.04	0.10	-0.06	0.00	N/A	ppb

LB Number :	LB90416	Operator :	Jaswal
Lab Sample ID :	S00	Instrumnet Name :	P8
Client Sample ID :	S00	Dilution Factor :	1
Date & Time Acquired ::	2017-09-28 12:53:26	DataFile Name :	003CALB_P8092817MS.

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Molybdenum	94-1	-0.01	-0.01	0.01	0.00	N/A	ppb
Molybdenum	95-1	0.00	0.01	-0.01	0.00	N/A	ppb
Molybdenum	96-1	0.02	-0.01	-0.01	0.00	N/A	ppb
Molybdenum	97-1	-0.01	0.00	0.01	0.00	N/A	ppb
Molybdenum	98-1	0.01	-0.01	0.00	0.00	N/A	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.02	0.04	-0.06	0.00	N/A	ppb
Phosphorus	31-2	-9.73	-9.73	10.10	-3.12		ppb
Potassium	39-2	-17.97	20.22	-2.26	0.00	N/A	ppb
Rhodium	103-1				100		%
Rhodium	103-2				100		%
Scandium	45-1				100		%
Scandium	45-2				100		%
Selenium	77-2	0.00	0.00	0.00	0.00	N/A	ppb
Selenium	78-2	0.24	0.37	-0.61	0.00	N/A	ppb
Selenium	82-1	0.18	0.23	-0.40	0.00	N/A	ppb
Silicon	28-1	0.67	-1.03	0.36	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	-11.86	18.14	-6.28	0.00	N/A	ppb
Strontium	86-1	-0.06	0.01	0.05	0.00	N/A	ppb
Strontium	88-1	0.00	0.00	0.00	0.00	N/A	ppb
Sulfur	34-1	-105.21	-497.93	-154.17	-252.44		ppb
Terbium	159-1				100		%
Terbium	159-2				100		%
Thallium	203-1	0.00	0.01	-0.01	0.00	N/A	ppb
Thallium	205-1	0.00	0.00	0.00	0.00	N/A	ppb
Tin	118-1	0.02	-0.01	-0.01	0.00	N/A	ppb
Titanium	47-1	-0.02	-0.06	0.07	0.00	N/A	ppb
Uranium	238-1	0.00	0.00	0.00	0.00	N/A	ppb
Vanadium	51-2	0.02	0.00	-0.02	0.00	N/A	ppb
Yttrium	89-1				100		%
Yttrium	89-2				100		%
Zinc	66-2	-0.07	0.08	-0.01	0.00	N/A	ppb
Zirconium	90-1	0.00	0.00	0.00	0.00	N/A	ppb

LB Number :	LB90416	Operator :	Jaswal
Lab Sample ID :	S00	Instrumnet Name :	P8
Client Sample ID :	S00	Dilution Factor :	1
Date & Time Acquired ::	2017-09-28 12:53:26	DataFile Name :	003CALB_P8092817MS.

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 :	LB90416	Operator :	Jaswal
Lab Sample ID :	S02	Instrumnet Name :	P8
Client Sample ID :	S02	Dilution Factor :	1
Date & Time Acquired ::	2017-09-28 13:00:30	DataFile Name :	005CALS_P8092817MS.

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	17.60	13.22	15.70	15.51	14.17	ppb
Antimony	121-1	1.91	2.05	1.84	1.93	5.63	ppb
Arsenic	75-2	0.60	0.81	1.13	0.85	31.37	ppb
Barium	135-1	9.39	10.06	9.31	9.59	4.32	ppb
Barium	137-1	9.36	10.03	9.08	9.49	5.12	ppb
Beryllium	9-1	0.97	0.94	1.03	0.98	4.74	ppb
Bismuth	209-1				98		%
Bismuth	209-2				105		%
Boron	10-1	22.04	24.92	22.73	23.23	6.49	ppb
Boron	11-1	22.15	24.08	22.99	23.07	4.18	ppb
Cadmium	111-1	0.95	1.09	0.96	1.00	7.60	ppb
Cadmium	106-1	0.31	-0.34	1.42	0.46	192.63	ppb
Cadmium	108-1	1.32	0.98	0.77	1.02	26.83	ppb
Calcium	43-1	413.91	520.10	461.95	465.32	11.43	ppb
Calcium	44-1	430.07	490.31	437.69	452.69	7.25	ppb
Chromium	52-2	1.75	1.93	2.02	1.90	7.38	ppb
Cobalt	59-2	0.94	1.04	0.99	0.99	4.82	ppb
Copper	63-2	1.89	1.88	1.78	1.85	3.34	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				97		%
Holmium	165-2				105		%
Indium	115-1				96		%
Indium	115-2				104		%
Iron	56-2	47.05	46.11	45.21	46.12	1.99	ppb
Iron	57-2	49.75	48.69	43.15	47.20	7.51	ppb
Lead	206-1	0.98	1.07	0.90	0.98	8.83	ppb
Lead	207-1	0.88	1.09	0.96	0.98	10.64	ppb
Lead	208-1	0.91	1.03	0.94	0.96	6.50	ppb
Lithium	6-1				97		%
Magnesium	24-2	466.82	483.18	446.03	465.34	4.00	ppb
Manganese	55-2	1.17	1.07	0.92	1.05	12.15	ppb

LB Number :	LB90416	Operator :	Jaswal
Lab Sample ID :	S02	Instrumnet Name :	P8
Client Sample ID :	S02	Dilution Factor :	1
Date & Time Acquired ::	2017-09-28 13:00:30	DataFile Name :	005CAL5_P8092817MS.

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Molybdenum	94-1	4.50	4.75	4.35	4.53	4.42	ppb
Molybdenum	95-1	4.32	4.90	4.57	4.59	6.35	ppb
Molybdenum	96-1	4.53	4.84	4.30	4.56	5.99	ppb
Molybdenum	97-1	4.65	5.03	4.42	4.70	6.54	ppb
Molybdenum	98-1	4.42	4.89	4.47	4.59	5.61	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.99	0.96	0.82	0.93	9.79	ppb
Phosphorus	31-2	-9.73	9.72	9.36	3.12	356.84	ppb
Potassium	39-2	468.37	462.53	448.77	459.89	2.19	ppb
Rhodium	103-1				98		%
Rhodium	103-2				104		%
Scandium	45-1				96		%
Scandium	45-2				106		%
Selenium	77-2	5.03	4.99	0.00	3.34	86.60	ppb
Selenium	78-2	1.97	7.91	3.68	4.52	67.67	ppb
Selenium	82-1	4.51	4.83	4.37	4.57	5.14	ppb
Silicon	28-1	18.56	35.77	24.15	26.16	33.56	ppb
Silver	109-1	1.01	1.10	1.02	1.04	4.81	ppb
Silver	107-1	1.01	1.04	0.99	1.01	2.57	ppb
Sodium	23-2	450.59	443.36	430.67	441.54	2.28	ppb
Strontium	86-1	0.98	1.09	0.92	0.99	8.59	ppb
Strontium	88-1	0.97	0.94	0.92	0.94	2.81	ppb
Sulfur	34-1	-393.03	1102.14	48.20	252.44	304.32	ppb
Terbium	159-1				97		%
Terbium	159-2				105		%
Thallium	203-1	0.91	0.99	0.93	0.95	4.58	ppb
Thallium	205-1	0.99	1.05	0.97	1.00	3.97	ppb
Tin	118-1	4.54	5.04	4.52	4.70	6.31	ppb
Titanium	47-1	4.63	4.22	4.39	4.41	4.63	ppb
Uranium	238-1	0.87	0.93	0.80	0.87	6.98	ppb
Vanadium	51-2	4.84	4.73	4.52	4.70	3.48	ppb
Yttrium	89-1				98		%
Yttrium	89-2				105		%
Zinc	66-2	2.07	2.19	1.75	2.00	11.49	ppb
Zirconium	90-1	0.91	1.01	0.94	0.95	5.40	ppb

LB Number :	LB90416	Operator :	Jaswal
Lab Sample ID :	S02	Instrumnet Name :	P8
Client Sample ID :	S02	Dilution Factor :	1
Date & Time Acquired ::	2017-09-28 13:00:30	DataFile Name :	005CALS_P8092817MS.

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	91-1	0.98	0.94	0.87	0.93	5.93	ppb

LB Number :	LB90416	Operator :	Jaswal
Lab Sample ID :	S03	Instrumnet Name :	P8
Client Sample ID :	S03	Dilution Factor :	1
Date & Time Acquired ::	2017-09-28 13:04:01	DataFile Name :	006CAL5_P8092817MS.

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	965.34	1011.19	959.44	978.66	2.89	ppb
Antimony	121-1	51.30	50.08	51.62	51.00	1.59	ppb
Arsenic	75-2	48.48	48.98	51.20	49.55	2.92	ppb
Barium	135-1	257.77	252.90	255.03	255.23	0.96	ppb
Barium	137-1	260.11	251.67	256.80	256.19	1.66	ppb
Beryllium	9-1	52.41	50.84	51.39	51.55	1.55	ppb
Bismuth	209-1				100		%
Bismuth	209-2				105		%
Boron	10-1	52.14	52.38	50.01	51.51	2.53	ppb
Boron	11-1	50.68	49.43	51.83	50.65	2.37	ppb
Cadmium	111-1	51.72	51.24	52.97	51.98	1.72	ppb
Cadmium	106-1	53.55	52.37	57.69	54.53	5.12	ppb
Cadmium	108-1	52.04	51.82	54.87	52.91	3.21	ppb
Calcium	43-1	4915.09	4852.41	4849.27	4872.25	0.76	ppb
Calcium	44-1	4949.54	4894.64	4803.07	4882.42	1.52	ppb
Chromium	52-2	51.47	51.45	50.17	51.03	1.46	ppb
Cobalt	59-2	50.36	50.53	50.27	50.39	0.26	ppb
Copper	63-2	101.84	103.61	101.45	102.30	1.13	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				100		%
Holmium	165-2				106		%
Indium	115-1				100		%
Indium	115-2				105		%
Iron	56-2	2546.76	2567.90	2558.30	2557.65	0.41	ppb
Iron	57-2	2445.62	2531.20	2508.89	2495.23	1.78	ppb
Lead	206-1	49.27	49.75	49.67	49.57	0.52	ppb
Lead	207-1	49.08	49.19	49.51	49.26	0.46	ppb
Lead	208-1	48.97	49.26	49.24	49.16	0.33	ppb
Lithium	6-1				101		%
Magnesium	24-2	5066.22	5087.49	5071.78	5075.16	0.22	ppb
Manganese	55-2	102.95	103.27	103.83	103.35	0.43	ppb

LB Number :	LB90416	Operator :	Jaswal
Lab Sample ID :	S03	Instrumnet Name :	P8
Client Sample ID :	S03	Dilution Factor :	1
Date & Time Acquired ::	2017-09-28 13:04:01	DataFile Name :	006CAL5_P8092817MS.

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Molybdenum	94-1	250.69	245.23	246.05	247.32	1.19	ppb
Molybdenum	95-1	248.87	246.56	246.41	247.28	0.56	ppb
Molybdenum	96-1	250.44	246.92	249.05	248.80	0.71	ppb
Molybdenum	97-1	249.56	249.05	247.77	248.79	0.37	ppb
Molybdenum	98-1	249.63	246.81	245.68	247.37	0.82	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	51.24	54.29	52.48	52.67	2.92	ppb
Phosphorus	31-2	946.79	981.87	1064.42	997.70	6.05	ppb
Potassium	39-2	2558.06	2535.32	2483.48	2525.62	1.51	ppb
Rhodium	103-1				100		%
Rhodium	103-2				105		%
Scandium	45-1				101		%
Scandium	45-2				106		%
Selenium	77-2	30.05	45.16	60.26	45.15	33.45	ppb
Selenium	78-2	54.88	55.85	45.61	52.11	10.84	ppb
Selenium	82-1	51.02	50.39	49.99	50.46	1.03	ppb
Silicon	28-1	70.01	67.74	66.70	68.15	2.48	ppb
Silver	109-1	53.08	51.44	52.35	52.29	1.57	ppb
Silver	107-1	52.79	51.43	52.57	52.26	1.39	ppb
Sodium	23-2	5098.17	5124.29	5029.47	5083.98	0.96	ppb
Strontium	86-1	49.76	48.72	49.07	49.18	1.07	ppb
Strontium	88-1	50.52	49.93	49.99	50.14	0.65	ppb
Sulfur	34-1	804.99	483.34	587.60	625.31	26.24	ppb
Terbium	159-1				101		%
Terbium	159-2				105		%
Thallium	203-1	49.29	49.93	49.77	49.66	0.67	ppb
Thallium	205-1	50.01	50.42	49.99	50.14	0.48	ppb
Tin	118-1	51.44	50.28	51.49	51.07	1.34	ppb
Titanium	47-1	50.52	50.12	49.67	50.10	0.84	ppb
Uranium	238-1	48.59	48.13	49.11	48.61	1.01	ppb
Vanadium	51-2	49.64	50.85	49.79	50.09	1.32	ppb
Yttrium	89-1				101		%
Yttrium	89-2				105		%
Zinc	66-2	104.62	106.49	104.04	105.05	1.22	ppb
Zirconium	90-1	50.19	49.04	49.61	49.61	1.16	ppb

LB Number :	LB90416	Operator :	Jaswal
Lab Sample ID :	S03	Instrumnet Name :	P8
Client Sample ID :	S03	Dilution Factor :	1
Date & Time Acquired ::	2017-09-28 13:04:01	DataFile Name :	006CALS_P8092817MS.

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	91-1	48.47	48.54	49.09	48.70	0.70	ppb

LB Number :	LB90416	Operator :	Jaswal
Lab Sample ID :	S04	Instrumnet Name :	P8
Client Sample ID :	S04	Dilution Factor :	1
Date & Time Acquired ::	2017-09-28 13:07:32	DataFile Name :	007CAL5_P8092817MS.

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	2483.50	2477.09	2554.15	2504.91	1.71	ppb
Antimony	121-1	125.67	127.35	128.38	127.13	1.08	ppb
Arsenic	75-2	123.84	127.14	127.05	126.01	1.49	ppb
Barium	135-1	627.78	640.81	634.09	634.23	1.03	ppb
Barium	137-1	647.84	657.24	642.24	649.11	1.17	ppb
Beryllium	9-1	129.27	128.76	129.37	129.13	0.25	ppb
Bismuth	209-1				100		%
Bismuth	209-2				92		%
Boron	10-1	126.76	121.46	129.28	125.83	3.17	ppb
Boron	11-1	125.58	125.32	130.57	127.16	2.32	ppb
Cadmium	111-1	127.95	129.01	129.14	128.70	0.51	ppb
Cadmium	106-1	131.15	129.88	133.43	131.49	1.37	ppb
Cadmium	108-1	126.42	127.71	130.94	128.35	1.81	ppb
Calcium	43-1	12347.53	12247.91	12004.18	12199.87	1.45	ppb
Calcium	44-1	12241.54	12132.68	12187.70	12187.31	0.45	ppb
Chromium	52-2	123.40	127.11	126.68	125.73	1.61	ppb
Cobalt	59-2	124.64	126.21	126.02	125.62	0.68	ppb
Copper	63-2	250.34	252.86	252.23	251.81	0.52	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				93		%
Indium	115-1				99		%
Indium	115-2				91		%
Iron	56-2	6334.53	6434.06	6413.44	6394.01	0.82	ppb
Iron	57-2	6149.20	6184.72	6168.18	6167.37	0.29	ppb
Lead	206-1	122.23	124.42	123.28	123.31	0.89	ppb
Lead	207-1	122.48	122.53	122.22	122.41	0.13	ppb
Lead	208-1	122.40	123.60	122.89	122.97	0.49	ppb
Lithium	6-1				101		%
Magnesium	24-2	12451.81	12613.29	12415.34	12493.48	0.84	ppb
Manganese	55-2	250.96	253.03	249.35	251.11	0.74	ppb

LB Number :	LB90416	Operator :	Jaswal
Lab Sample ID :	S04	Instrumnet Name :	P8
Client Sample ID :	S04	Dilution Factor :	1
Date & Time Acquired ::	2017-09-28 13:07:32	DataFile Name :	007CAL5_P8092817MS.

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Molybdenum	94-1	631.29	630.08	638.42	633.26	0.71	ppb
Molybdenum	95-1	625.37	633.21	636.17	631.59	0.88	ppb
Molybdenum	96-1	630.80	632.78	642.68	635.42	1.00	ppb
Molybdenum	97-1	620.74	616.63	627.29	621.55	0.87	ppb
Molybdenum	98-1	627.19	633.35	629.65	630.06	0.49	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	127.80	127.54	126.44	127.26	0.57	ppb
Phosphorus	31-2	2583.31	2352.86	2163.95	2366.70	8.87	ppb
Potassium	39-2	6272.78	6494.63	6263.52	6343.64	2.06	ppb
Rhodium	103-1				99		%
Rhodium	103-2				92		%
Scandium	45-1				99		%
Scandium	45-2				95		%
Selenium	77-2	69.66	156.19	174.36	133.40	41.94	ppb
Selenium	78-2	119.13	132.51	150.00	133.88	11.56	ppb
Selenium	82-1	124.34	128.49	130.11	127.65	2.33	ppb
Silicon	28-1	129.29	134.83	135.77	133.30	2.63	ppb
Silver	109-1	127.98	130.71	131.69	130.13	1.48	ppb
Silver	107-1	128.38	129.97	131.28	129.88	1.12	ppb
Sodium	23-2	12613.93	12708.13	12589.76	12637.27	0.49	ppb
Strontium	86-1	124.01	124.84	124.93	124.59	0.41	ppb
Strontium	88-1	126.99	128.07	128.58	127.88	0.64	ppb
Sulfur	34-1	2387.94	2674.07	2984.50	2682.17	11.12	ppb
Terbium	159-1				100		%
Terbium	159-2				93		%
Thallium	203-1	122.55	125.94	124.77	124.42	1.38	ppb
Thallium	205-1	127.99	128.14	126.26	127.46	0.82	ppb
Tin	118-1	125.66	126.96	128.68	127.10	1.19	ppb
Titanium	47-1	126.18	127.09	125.70	126.32	0.56	ppb
Uranium	238-1	124.48	124.85	124.23	124.52	0.25	ppb
Vanadium	51-2	123.38	125.04	124.27	124.23	0.67	ppb
Yttrium	89-1				100		%
Yttrium	89-2				92		%
Zinc	66-2	257.08	262.05	255.93	258.36	1.26	ppb
Zirconium	90-1	125.28	126.38	126.34	126.00	0.49	ppb

LB Number :	LB90416	Operator :	Jaswal
Lab Sample ID :	S04	Instrumnet Name :	P8
Client Sample ID :	S04	Dilution Factor :	1
Date & Time Acquired ::	2017-09-28 13:07:32	DataFile Name :	007CALS_P8092817MS.

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	91-1	121.16	122.30	123.56	122.34	0.98	ppb

LB Number :	LB90416	Operator :	Jaswal
Lab Sample ID :	S05	Instrumnet Name :	P8
Client Sample ID :	S05	Dilution Factor :	1
Date & Time Acquired ::	2017-09-28 13:11:04	DataFile Name :	008CAL5_P8092817MS.

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	4898.25	4960.44	4835.77	4898.15	1.27	ppb
Antimony	121-1	256.90	259.96	259.21	258.69	0.62	ppb
Arsenic	75-2	250.58	255.90	252.32	252.94	1.07	ppb
Barium	135-1	1287.95	1293.34	1312.64	1297.98	1.00	ppb
Barium	137-1	1279.72	1282.32	1303.38	1288.48	1.01	ppb
Beryllium	9-1	258.43	257.26	255.64	257.11	0.54	ppb
Bismuth	209-1				102		%
Bismuth	209-2				104		%
Boron	10-1	249.00	260.07	252.89	253.99	2.21	ppb
Boron	11-1	247.20	251.72	251.52	250.15	1.02	ppb
Cadmium	111-1	254.29	255.20	257.14	255.55	0.57	ppb
Cadmium	106-1	257.16	261.90	260.83	259.96	0.96	ppb
Cadmium	108-1	262.57	263.17	258.87	261.54	0.89	ppb
Calcium	43-1	24456.02	24222.02	24126.72	24268.25	0.70	ppb
Calcium	44-1	24139.10	24174.52	23964.49	24092.70	0.47	ppb
Chromium	52-2	253.46	256.30	249.33	253.03	1.39	ppb
Cobalt	59-2	249.54	252.70	247.72	249.99	1.01	ppb
Copper	63-2	506.85	506.51	496.70	503.35	1.15	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				102		%
Holmium	165-2				105		%
Indium	115-1				101		%
Indium	115-2				103		%
Iron	56-2	12725.30	12713.88	12447.82	12629.00	1.24	ppb
Iron	57-2	12335.62	12435.75	12091.45	12287.61	1.44	ppb
Lead	206-1	249.53	248.16	249.95	249.21	0.38	ppb
Lead	207-1	247.61	246.50	247.50	247.20	0.25	ppb
Lead	208-1	252.17	252.65	252.02	252.28	0.13	ppb
Lithium	6-1				104		%
Magnesium	24-2	25422.79	25309.03	24777.65	25169.82	1.37	ppb
Manganese	55-2	518.03	514.18	500.40	510.87	1.82	ppb

LB Number :	LB90416	Operator :	Jaswal
Lab Sample ID :	S05	Instrumnet Name :	P8
Client Sample ID :	S05	Dilution Factor :	1
Date & Time Acquired ::	2017-09-28 13:11:04	DataFile Name :	008CAL5_P8092817MS.

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Molybdenum	94-1	1269.04	1247.28	1258.07	1258.13	0.86	ppb
Molybdenum	95-1	1259.03	1263.06	1270.92	1264.34	0.48	ppb
Molybdenum	96-1	1261.38	1252.83	1280.29	1264.83	1.11	ppb
Molybdenum	97-1	1261.18	1260.26	1276.45	1265.96	0.72	ppb
Molybdenum	98-1	1252.33	1255.22	1267.43	1258.33	0.64	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	257.32	257.22	251.96	255.50	1.20	ppb
Phosphorus	31-2	5252.40	4861.26	4578.03	4897.23	6.91	ppb
Potassium	39-2	12622.02	12853.82	12385.07	12620.30	1.86	ppb
Rhodium	103-1				100		%
Rhodium	103-2				103		%
Scandium	45-1				102		%
Scandium	45-2				107		%
Selenium	77-2	279.90	293.54	187.39	253.61	22.77	ppb
Selenium	78-2	251.85	255.64	262.73	256.74	2.15	ppb
Selenium	82-1	255.47	253.90	255.56	254.98	0.37	ppb
Silicon	28-1	256.56	259.11	258.38	258.02	0.51	ppb
Silver	109-1	262.86	266.01	260.97	263.28	0.97	ppb
Silver	107-1	262.88	264.11	265.53	264.17	0.50	ppb
Sodium	23-2	25583.31	25806.60	25232.65	25540.86	1.13	ppb
Strontium	86-1	249.54	251.49	251.75	250.92	0.48	ppb
Strontium	88-1	253.08	252.44	253.04	252.85	0.14	ppb
Sulfur	34-1	5278.49	5084.57	5033.07	5132.04	2.52	ppb
Terbium	159-1				103		%
Terbium	159-2				105		%
Thallium	203-1	252.92	252.56	249.60	251.69	0.72	ppb
Thallium	205-1	256.69	254.55	257.98	256.40	0.68	ppb
Tin	118-1	255.71	255.54	256.22	255.82	0.14	ppb
Titanium	47-1	251.32	250.19	251.29	250.93	0.26	ppb
Uranium	238-1	248.37	248.65	251.57	249.53	0.71	ppb
Vanadium	51-2	254.05	254.44	249.60	252.70	1.06	ppb
Yttrium	89-1				102		%
Yttrium	89-2				104		%
Zinc	66-2	510.26	512.98	499.88	507.71	1.36	ppb
Zirconium	90-1	253.46	253.79	253.19	253.48	0.12	ppb

LB Number :	LB90416	Operator :	Jaswal
Lab Sample ID :	S05	Instrumnet Name :	P8
Client Sample ID :	S05	Dilution Factor :	1
Date & Time Acquired ::	2017-09-28 13:11:04	DataFile Name :	008CALS_P8092817MS.

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	91-1	244.98	246.58	248.19	246.58	0.65	ppb

LB Number :	LB90416	Operator :	Jaswal
Lab Sample ID :	S06	Instrumnet Name :	P8
Client Sample ID :	S06	Dilution Factor :	1
Date & Time Acquired ::	2017-09-28 13:14:23	DataFile Name :	009CAL5_P8092817MS.

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	9617.92	10198.47	9915.00	9910.47	2.93	ppb
Antimony	121-1	511.60	522.71	510.34	514.88	1.32	ppb
Arsenic	75-2	505.58	542.06	495.44	514.36	4.77	ppb
Barium	135-1	2542.51	2589.58	2549.79	2560.62	0.99	ppb
Barium	137-1	2524.33	2566.24	2532.44	2541.01	0.87	ppb
Beryllium	9-1	507.07	501.93	498.08	502.36	0.90	ppb
Bismuth	209-1				103		%
Bismuth	209-2				101		%
Boron	10-1	501.30	514.36	496.31	503.99	1.85	ppb
Boron	11-1	498.02	504.27	495.41	499.23	0.91	ppb
Cadmium	111-1	506.46	511.40	503.72	507.19	0.77	ppb
Cadmium	106-1	504.04	533.14	504.14	513.77	3.26	ppb
Cadmium	108-1	511.98	520.40	508.08	513.49	1.23	ppb
Calcium	43-1	48231.99	48637.33	49008.52	48625.95	0.80	ppb
Calcium	44-1	47758.35	48631.37	48493.51	48294.41	0.97	ppb
Chromium	52-2	504.82	522.91	501.27	509.67	2.28	ppb
Cobalt	59-2	496.84	518.22	497.89	504.32	2.39	ppb
Copper	63-2	998.20	1037.72	995.29	1010.40	2.35	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				103		%
Holmium	165-2				102		%
Indium	115-1				100		%
Indium	115-2				98		%
Iron	56-2	25332.08	26215.93	25201.37	25583.13	2.16	ppb
Iron	57-2	24556.22	25567.43	24491.56	24871.73	2.43	ppb
Lead	206-1	511.04	500.28	507.12	506.15	1.08	ppb
Lead	207-1	503.20	505.65	505.45	504.77	0.27	ppb
Lead	208-1	505.04	506.34	504.03	505.14	0.23	ppb
Lithium	6-1				105		%
Magnesium	24-2	50542.12	51664.87	50110.66	50772.55	1.58	ppb
Manganese	55-2	1011.77	1058.13	1000.51	1023.47	2.98	ppb

LB Number :	LB90416	Operator :	Jaswal
Lab Sample ID :	S06	Instrumnet Name :	P8
Client Sample ID :	S06	Dilution Factor :	1
Date & Time Acquired ::	2017-09-28 13:14:23	DataFile Name :	009CAL5_P8092817MS.

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Molybdenum	94-1	2491.62	2482.96	2492.64	2489.08	0.21	ppb
Molybdenum	95-1	2473.39	2489.59	2473.83	2478.94	0.37	ppb
Molybdenum	96-1	2512.02	2505.45	2468.47	2495.32	0.94	ppb
Molybdenum	97-1	2516.67	2498.33	2481.49	2498.83	0.70	ppb
Molybdenum	98-1	2488.74	2494.61	2457.55	2480.30	0.80	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	506.80	522.57	505.96	511.78	1.83	ppb
Phosphorus	31-2	10441.80	10816.38	9907.55	10388.58	4.40	ppb
Potassium	39-2	25166.89	26201.72	25037.19	25468.60	2.51	ppb
Rhodium	103-1				99		%
Rhodium	103-2				100		%
Scandium	45-1				102		%
Scandium	45-2				104		%
Selenium	77-2	533.49	604.84	396.01	511.45	20.75	ppb
Selenium	78-2	522.34	536.72	515.81	524.96	2.04	ppb
Selenium	82-1	499.71	499.19	501.46	500.12	0.24	ppb
Silicon	28-1	506.07	520.98	524.32	517.12	1.88	ppb
Silver	109-1	516.62	525.58	512.90	518.37	1.26	ppb
Silver	107-1	512.67	528.66	517.12	519.48	1.59	ppb
Sodium	23-2	50754.17	52646.73	50128.43	51176.44	2.56	ppb
Strontium	86-1	491.16	489.55	492.71	491.14	0.32	ppb
Strontium	88-1	501.45	500.69	498.23	500.12	0.34	ppb
Sulfur	34-1	9898.52	10325.07	10368.18	10197.26	2.55	ppb
Terbium	159-1				103		%
Terbium	159-2				102		%
Thallium	203-1	512.15	503.78	503.34	506.42	0.98	ppb
Thallium	205-1	502.75	500.15	499.36	500.75	0.35	ppb
Tin	118-1	511.13	516.22	516.82	514.72	0.61	ppb
Titanium	47-1	499.21	507.00	505.12	503.78	0.81	ppb
Uranium	238-1	491.05	496.92	494.56	494.18	0.60	ppb
Vanadium	51-2	502.40	523.07	502.02	509.16	2.37	ppb
Yttrium	89-1				103		%
Yttrium	89-2				100		%
Zinc	66-2	1021.10	1051.81	1011.19	1028.04	2.06	ppb
Zirconium	90-1	499.82	500.68	498.61	499.71	0.21	ppb

LB Number :	LB90416	Operator :	Jaswal
Lab Sample ID :	S06	Instrumnet Name :	P8
Client Sample ID :	S06	Dilution Factor :	1
Date & Time Acquired ::	2017-09-28 13:14:23	DataFile Name :	009CALS_P8092817MS.

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	91-1	491.39	498.04	490.17	493.20	0.86	ppb

LB Number :	LB90416	Operator :	Jaswal
Lab Sample ID :	S07	Instrumnet Name :	P8
Client Sample ID :	S07	Dilution Factor :	1
Date & Time Acquired ::	2017-09-28 13:17:40	DataFile Name :	010CAL5_P8092817MS.

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	19043.52	19356.44	19426.62	19275.53	1.06	ppb
Antimony	121-1	971.52	1006.96	991.74	990.07	1.80	ppb
Arsenic	75-2	991.00	1001.33	983.63	991.98	0.90	ppb
Barium	135-1	4859.62	5020.84	4988.38	4956.28	1.72	ppb
Barium	137-1	4906.30	5001.40	4991.97	4966.56	1.06	ppb
Beryllium	9-1	979.32	1007.15	1002.87	996.45	1.50	ppb
Bismuth	209-1				104		%
Bismuth	209-2				101		%
Boron	10-1	963.35	1018.01	1009.27	996.87	2.95	ppb
Boron	11-1	957.90	1022.44	1019.94	1000.09	3.66	ppb
Cadmium	111-1	991.87	1000.38	991.12	994.46	0.52	ppb
Cadmium	106-1	970.67	1003.82	994.27	989.59	1.72	ppb
Cadmium	108-1	975.01	996.25	998.16	989.81	1.30	ppb
Calcium	43-1	95198.56	98702.03	97545.80	97148.80	1.84	ppb
Calcium	44-1	93211.57	98518.34	95692.43	95807.45	2.77	ppb
Chromium	52-2	991.33	998.65	992.82	994.27	0.39	ppb
Cobalt	59-2	1002.04	993.66	997.54	997.75	0.42	ppb
Copper	63-2	1994.05	2002.27	1984.54	1993.62	0.45	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				103		%
Indium	115-1				98		%
Indium	115-2				95		%
Iron	56-2	49889.44	49539.97	49927.55	49785.65	0.43	ppb
Iron	57-2	49155.42	48621.05	48804.51	48860.33	0.56	ppb
Lead	206-1	978.32	1008.16	1005.58	997.35	1.66	ppb
Lead	207-1	973.58	1011.44	1011.01	998.68	2.18	ppb
Lead	208-1	979.52	1011.86	1000.09	997.16	1.64	ppb
Lithium	6-1				106		%
Magnesium	24-2	98521.45	98287.32	98725.74	98511.50	0.22	ppb
Manganese	55-2	1992.85	1980.52	1982.35	1985.24	0.34	ppb

LB Number :	LB90416	Operator :	Jaswal
Lab Sample ID :	S07	Instrumnet Name :	P8
Client Sample ID :	S07	Dilution Factor :	1
Date & Time Acquired ::	2017-09-28 13:17:40	DataFile Name :	010CAL5_P8092817MS.

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Molybdenum	94-1	4901.25	5108.66	4997.68	5002.53	2.07	ppb
Molybdenum	95-1	4951.20	5077.22	4990.37	5006.26	1.29	ppb
Molybdenum	96-1	4902.90	5097.30	4991.97	4997.39	1.95	ppb
Molybdenum	97-1	4927.13	5080.24	4983.89	4997.09	1.55	ppb
Molybdenum	98-1	4907.55	5104.17	5010.08	5007.27	1.96	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	993.80	994.03	989.13	992.32	0.28	ppb
Phosphorus	31-2	18324.31	21243.96	19976.27	19848.18	7.38	ppb
Potassium	39-2	49360.14	49151.89	48567.00	49026.34	0.84	ppb
Rhodium	103-1				98		%
Rhodium	103-2				99		%
Scandium	45-1				102		%
Scandium	45-2				103		%
Selenium	77-2	961.21	1007.68	1008.82	992.57	2.74	ppb
Selenium	78-2	1010.54	951.41	991.91	984.62	3.07	ppb
Selenium	82-1	984.56	1007.74	1002.73	998.34	1.22	ppb
Silicon	28-1	952.90	1018.24	990.85	987.33	3.32	ppb
Silver	109-1	976.76	988.50	994.96	986.74	0.94	ppb
Silver	107-1	977.89	995.79	984.30	985.99	0.92	ppb
Sodium	23-2	99521.62	99267.93	98202.66	98997.41	0.71	ppb
Strontium	86-1	980.63	1025.99	1006.25	1004.29	2.26	ppb
Strontium	88-1	980.70	1018.01	997.87	998.86	1.87	ppb
Sulfur	34-1	19147.73	20680.16	19765.08	19864.33	3.88	ppb
Terbium	159-1				105		%
Terbium	159-2				103		%
Thallium	203-1	985.11	1012.51	991.74	996.45	1.43	ppb
Thallium	205-1	978.95	1009.70	1004.47	997.71	1.65	ppb
Tin	118-1	981.20	1000.04	991.36	990.87	0.95	ppb
Titanium	47-1	978.05	1019.12	995.96	997.71	2.06	ppb
Uranium	238-1	983.23	1015.83	1010.41	1003.16	1.74	ppb
Vanadium	51-2	998.33	996.24	989.95	994.84	0.44	ppb
Yttrium	89-1				101		%
Yttrium	89-2				100		%
Zinc	66-2	1995.21	1975.30	1977.77	1982.76	0.55	ppb
Zirconium	90-1	980.68	1013.45	1003.39	999.17	1.68	ppb

LB Number :	LB90416	Operator :	Jaswal
Lab Sample ID :	S07	Instrumnet Name :	P8
Client Sample ID :	S07	Dilution Factor :	1
Date & Time Acquired ::	2017-09-28 13:17:40	DataFile Name :	010CALS_P8092817MS.

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	91-1	995.13	1012.65	1006.18	1004.65	0.88	ppb

LB Number :	LB90416	Operator :	Jaswal
Lab Sample ID :	S08	Instrumnet Name :	P8
Client Sample ID :	S08	Dilution Factor :	1
Date & Time Acquired ::	2017-09-28 13:20:52	DataFile Name :	011CAL5_P8092817MS.

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	99832.76	101881.23	98763.10	100159.03	1.58	ppb
Antimony	121-1	1.16	1.18	1.19	1.17	1.13	ppb
Arsenic	75-2	0.35	0.16	0.15	0.22	52.32	ppb
Barium	135-1	1.16	1.09	1.24	1.16	6.80	ppb
Barium	137-1	1.07	1.18	1.31	1.19	9.96	ppb
Beryllium	9-1	0.63	0.54	0.56	0.57	8.00	ppb
Bismuth	209-1				96		%
Bismuth	209-2				91		%
Boron	10-1	38.45	36.68	33.15	36.09	7.48	ppb
Boron	11-1	41.16	37.44	35.74	38.11	7.27	ppb
Cadmium	111-1	0.10	0.08	0.16	0.11	38.90	ppb
Cadmium	106-1	0.23	-0.19	0.57	0.20	187.07	ppb
Cadmium	108-1	0.09	0.23	0.25	0.19	44.68	ppb
Calcium	43-1	498111.13	498945.14	505202.87	500753.05	0.77	ppb
Calcium	44-1	495694.31	500683.61	506812.50	501063.47	1.11	ppb
Chromium	52-2	10.63	11.36	10.77	10.92	3.58	ppb
Cobalt	59-2	0.86	0.97	0.99	0.94	7.35	ppb
Copper	63-2	2.22	2.03	2.15	2.13	4.51	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				100		%
Holmium	165-2				97		%
Indium	115-1				92		%
Indium	115-2				90		%
Iron	56-2	249471.53	253075.94	247374.32	249973.93	1.15	ppb
Iron	57-2	250545.16	254779.12	245436.20	250253.49	1.87	ppb
Lead	206-1	1.12	1.10	1.15	1.12	2.16	ppb
Lead	207-1	1.05	1.03	1.01	1.03	1.97	ppb
Lead	208-1	1.06	1.07	1.07	1.07	0.62	ppb
Lithium	6-1				102		%
Magnesium	24-2	499191.78	505405.55	496036.86	500211.40	0.95	ppb
Manganese	55-2	6.81	6.33	6.35	6.50	4.12	ppb

LB Number :	LB90416	Operator :	Jaswal
Lab Sample ID :	S08	Instrumnet Name :	P8
Client Sample ID :	S08	Dilution Factor :	1
Date & Time Acquired ::	2017-09-28 13:20:52	DataFile Name :	011CAL5_P8092817MS.

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Molybdenum	94-1	1.93	1.95	1.80	1.89	4.44	ppb
Molybdenum	95-1	2.70	2.33	2.33	2.45	8.64	ppb
Molybdenum	96-1	2.90	2.85	2.87	2.87	0.85	ppb
Molybdenum	97-1	2.55	2.33	2.46	2.45	4.50	ppb
Molybdenum	98-1	2.51	2.52	2.29	2.44	5.31	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	4.73	4.85	5.00	4.86	2.76	ppb
Phosphorus	31-2	-9.73	33.28	11.27	11.61	185.27	ppb
Potassium	39-2	248233.67	253539.79	248644.56	250139.34	1.18	ppb
Rhodium	103-1				89		%
Rhodium	103-2				90		%
Scandium	45-1				94		%
Scandium	45-2				95		%
Selenium	77-2	0.00	0.00	0.00	0.00	N/A	ppb
Selenium	78-2	2.39	-0.61	0.31	0.70	220.30	ppb
Selenium	82-1	0.74	0.79	0.59	0.71	14.90	ppb
Silicon	28-1	44.24	44.67	55.05	47.99	12.75	ppb
Silver	109-1	0.08	0.07	0.06	0.07	12.30	ppb
Silver	107-1	0.06	0.06	0.07	0.06	11.03	ppb
Sodium	23-2	497852.15	505784.31	496518.40	500051.62	1.00	ppb
Strontium	86-1	34.31	34.58	34.10	34.33	0.69	ppb
Strontium	88-1	34.54	34.55	34.64	34.57	0.17	ppb
Sulfur	34-1	169.57	159.59	832.73	387.29	99.61	ppb
Terbium	159-1				99		%
Terbium	159-2				97		%
Thallium	203-1	0.43	0.39	0.35	0.39	9.76	ppb
Thallium	205-1	0.42	0.38	0.39	0.40	5.15	ppb
Tin	118-1	0.48	0.44	0.45	0.46	3.69	ppb
Titanium	47-1	0.42	3.74	0.60	1.59	117.85	ppb
Uranium	238-1	0.06	0.05	0.06	0.06	8.59	ppb
Vanadium	51-2	0.30	0.18	0.20	0.23	28.14	ppb
Yttrium	89-1				95		%
Yttrium	89-2				94		%
Zinc	66-2	4.49	4.04	4.00	4.18	6.52	ppb
Zirconium	90-1	0.12	0.15	0.11	0.13	17.93	ppb

LB Number :	LB90416	Operator :	Jaswal
Lab Sample ID :	S08	Instrumnet Name :	P8
Client Sample ID :	S08	Dilution Factor :	1
Date & Time Acquired ::	2017-09-28 13:20:52	DataFile Name :	011CALS_P8092817MS.

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	91-1	0.10	0.12	0.11	0.11	6.74	ppb

LB Number :	LB90416	Operator :	Jaswal
Lab Sample ID :	ICV	Instrumnet Name :	P8
Client Sample ID :	ICV	Dilution Factor :	1
Date & Time Acquired ::	2017-09-28 13:33:50	DataFile Name :	014ICV_P8092817MS.D

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	478.13	479.00	493.53	483.55	1.79	ppb
Antimony	121-1	209.67	209.91	207.06	208.88	0.76	ppb
Arsenic	75-2	203.30	199.22	203.48	202.00	1.19	ppb
Barium	135-1	99.19	101.99	100.37	100.52	1.40	ppb
Barium	137-1	102.49	101.96	102.52	102.32	0.31	ppb
Beryllium	9-1	100.96	100.51	99.81	100.43	0.58	ppb
Bismuth	209-1				107		%
Bismuth	209-2				107		%
Boron	10-1	644.98	640.88	628.63	638.16	1.33	ppb
Boron	11-1	635.27	625.97	624.91	628.72	0.91	ppb
Cadmium	111-1	108.19	107.21	107.69	107.70	0.46	ppb
Cadmium	106-1	165.73	165.64	165.76	165.71	0.04	ppb
Cadmium	108-1	137.31	141.30	136.95	138.52	1.74	ppb
Calcium	43-1	2144.62	2117.90	2090.83	2117.78	1.27	ppb
Calcium	44-1	2039.84	2043.77	2037.99	2040.53	0.14	ppb
Chromium	52-2	100.10	97.64	100.83	99.52	1.68	ppb
Cobalt	59-2	101.92	100.64	102.80	101.79	1.07	ppb
Copper	63-2	101.17	99.21	102.35	100.91	1.57	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				104		%
Holmium	165-2				106		%
Indium	115-1				102		%
Indium	115-2				102		%
Iron	56-2	978.88	948.90	980.66	969.48	1.84	ppb
Iron	57-2	988.78	918.50	978.65	961.98	3.95	ppb
Lead	206-1	207.42	204.50	206.20	206.04	0.71	ppb
Lead	207-1	199.60	194.58	197.00	197.06	1.28	ppb
Lead	208-1	206.02	203.94	206.28	205.41	0.62	ppb
Lithium	6-1				110		%
Magnesium	24-2	1164.06	1177.75	1218.21	1186.67	2.37	ppb
Manganese	55-2	101.91	99.62	99.87	100.47	1.25	ppb

LB Number :	LB90416	Operator :	Jaswal
Lab Sample ID :	ICV	Instrumnet Name :	P8
Client Sample ID :	ICV	Dilution Factor :	1
Date & Time Acquired ::	2017-09-28 13:33:50	DataFile Name :	014ICV_P8092817MS.D

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Molybdenum	94-1	1219.04	1198.85	1199.63	1205.84	0.95	ppb
Molybdenum	95-1	544.80	541.44	546.48	544.24	0.47	ppb
Molybdenum	96-1	633.37	614.72	621.95	623.35	1.51	ppb
Molybdenum	97-1	532.19	523.22	528.22	527.88	0.85	ppb
Molybdenum	98-1	547.56	535.78	533.56	538.96	1.40	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	105.76	103.75	106.80	105.44	1.47	ppb
Phosphorus	31-2	9.11	8.82	9.43	9.12	3.36	ppb
Potassium	39-2	1915.08	1868.42	1956.65	1913.38	2.31	ppb
Rhodium	103-1				102		%
Rhodium	103-2				106		%
Scandium	45-1				102		%
Scandium	45-2				109		%
Selenium	77-2	203.50	219.38	255.59	226.16	11.80	ppb
Selenium	78-2	207.54	171.09	212.02	196.88	11.40	ppb
Selenium	82-1	209.39	209.00	209.94	209.44	0.23	ppb
Silicon	28-1	483.50	499.17	486.23	489.63	1.71	ppb
Silver	109-1	106.37	106.45	105.38	106.07	0.56	ppb
Silver	107-1	107.64	106.59	106.62	106.95	0.56	ppb
Sodium	23-2	1963.59	1931.93	1972.08	1955.86	1.08	ppb
Strontium	86-1	528.61	523.65	522.94	525.07	0.59	ppb
Strontium	88-1	536.67	529.16	530.13	531.99	0.77	ppb
Sulfur	34-1	-1333.98	-1091.12	-1263.50	-1229.53		ppb
Terbium	159-1				104		%
Terbium	159-2				106		%
Thallium	203-1	213.00	207.83	208.76	209.86	1.31	ppb
Thallium	205-1	218.34	214.10	213.17	215.20	1.28	ppb
Tin	118-1	553.19	554.23	548.14	551.85	0.59	ppb
Titanium	47-1	534.56	530.87	530.35	531.92	0.43	ppb
Uranium	238-1	550.47	547.40	546.91	548.26	0.35	ppb
Vanadium	51-2	99.83	97.44	101.39	99.56	2.00	ppb
Yttrium	89-1				103		%
Yttrium	89-2				104		%
Zinc	66-2	201.22	198.79	210.31	203.44	2.98	ppb
Zirconium	90-1	527.45	520.38	528.61	525.48	0.85	ppb

LB Number :	LB90416	Operator :	Jaswal
Lab Sample ID :	ICV	Instrumnet Name :	P8
Client Sample ID :	ICV	Dilution Factor :	1
Date & Time Acquired ::	2017-09-28 13:33:50	DataFile Name :	014ICV_P8092817MS.D

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	91-1	530.11	520.13	530.35	526.86	1.11	ppb

LB Number : LB90416 Operator : Jaswal
 Lab Sample ID : ICB Instrumnet Name : P8
 Client Sample ID : ICB Dilution Factor : 1
 Date & Time Acquired :: 2017-09-28 13:37:59 DataFile Name : 015CCBE_P8092817MS

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	3.39	-3.95	2.15	0.53	738.58	ppb
Antimony	121-1	0.16	0.13	0.11	0.13	17.31	ppb
Arsenic	75-2	0.08	-0.10	-0.06	-0.03		ppb
Barium	135-1	-0.02	-0.05	-0.02	-0.03		ppb
Barium	137-1	-0.01	-0.04	-0.02	-0.02		ppb
Beryllium	9-1	0.11	0.09	0.14	0.11	21.65	ppb
Bismuth	209-1				97		%
Bismuth	209-2				90		%
Boron	10-1	12.81	12.69	14.24	13.24	6.50	ppb
Boron	11-1	14.09	14.03	13.78	13.97	1.18	ppb
Cadmium	111-1	-0.05	-0.01	0.00	-0.02		ppb
Cadmium	106-1	-0.36	-0.05	-0.16	-0.19		ppb
Cadmium	108-1	0.06	-0.01	-0.01	0.01	271.72	ppb
Calcium	43-1	-6.34	-12.63	10.77	-2.73		ppb
Calcium	44-1	4.77	5.30	14.71	8.26	67.74	ppb
Chromium	52-2	0.00	0.02	-0.05	-0.01		ppb
Cobalt	59-2	0.07	0.02	-0.01	0.03	139.18	ppb
Copper	63-2	-0.01	0.01	0.01	0.01	216.33	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				94		%
Holmium	165-2				89		%
Indium	115-1				93		%
Indium	115-2				87		%
Iron	56-2	1.31	1.47	0.70	1.16	34.88	ppb
Iron	57-2	5.16	4.25	-0.12	3.10	91.01	ppb
Lead	206-1	0.03	0.04	0.07	0.05	47.07	ppb
Lead	207-1	0.03	0.05	0.06	0.05	28.86	ppb
Lead	208-1	0.03	0.03	0.04	0.03	17.25	ppb
Lithium	6-1				98		%
Magnesium	24-2	2.02	-0.23	0.17	0.65	183.75	ppb
Manganese	55-2	0.11	-0.03	-0.04	0.01	620.27	ppb

LB Number :	LB90416	Operator :	Jaswal
Lab Sample ID :	ICB	Instrumnet Name :	P8
Client Sample ID :	ICB	Dilution Factor :	1
Date & Time Acquired ::	2017-09-28 13:37:59	DataFile Name :	015CCBE_P8092817MS

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Molybdenum	94-1	0.13	0.04	0.05	0.07	73.73	ppb
Molybdenum	95-1	0.17	0.16	0.13	0.15	15.98	ppb
Molybdenum	96-1	0.14	0.15	0.10	0.13	19.15	ppb
Molybdenum	97-1	0.16	0.08	0.12	0.12	33.83	ppb
Molybdenum	98-1	0.13	0.16	0.12	0.13	15.68	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.00	0.13	0.12	0.09	83.87	ppb
Phosphorus	31-2	15.21	37.42	11.01	21.21	66.90	ppb
Potassium	39-2	42.27	15.56	14.69	24.17	64.86	ppb
Rhodium	103-1				93		%
Rhodium	103-2				90		%
Scandium	45-1				92		%
Scandium	45-2				89		%
Selenium	77-2	0.00	0.00	0.00	0.00	N/A	ppb
Selenium	78-2	-0.61	1.51	1.24	0.72	161.70	ppb
Selenium	82-1	-0.07	-0.14	-0.67	-0.29		ppb
Silicon	28-1	-0.36	-2.58	14.45	3.84	241.06	ppb
Silver	109-1	0.02	0.02	0.01	0.01	39.34	ppb
Silver	107-1	0.02	0.02	0.01	0.02	42.22	ppb
Sodium	23-2	57.76	43.84	37.31	46.30	22.55	ppb
Strontium	86-1	0.13	0.06	0.09	0.09	40.51	ppb
Strontium	88-1	0.00	0.00	0.00	0.00		ppb
Sulfur	34-1	-451.79	-50.22	1883.73	460.57	271.13	ppb
Terbium	159-1				94		%
Terbium	159-2				89		%
Thallium	203-1	0.04	0.06	0.09	0.06	36.45	ppb
Thallium	205-1	0.06	0.08	0.10	0.08	26.47	ppb
Tin	118-1	0.30	0.35	0.28	0.31	10.86	ppb
Titanium	47-1	0.05	-0.04	0.05	0.02	245.76	ppb
Uranium	238-1	0.00	0.00	-0.01	-0.01		ppb
Vanadium	51-2	-0.01	-0.01	-0.03	-0.02		ppb
Yttrium	89-1				92		%
Yttrium	89-2				87		%
Zinc	66-2	0.07	0.12	-0.03	0.06	142.29	ppb
Zirconium	90-1	0.01	0.02	0.02	0.02	37.54	ppb

LB Number :	LB90416	Operator :	Jaswal
Lab Sample ID :	ICB	Instrumnet Name :	P8
Client Sample ID :	ICB	Dilution Factor :	1
Date & Time Acquired ::	2017-09-28 13:37:59	DataFile Name :	015CCBE_P8092817MS

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

LB Number :	LB90416	Operator :	Jaswal
Lab Sample ID :	ICSA	Instrumnet Name :	P8
Client Sample ID :	ICSA	Dilution Factor :	1
Date & Time Acquired ::	2017-09-28 13:52:54	DataFile Name :	018ICSA_P8092817MS.I

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	87266.84	86227.66	87427.95	86974.15	0.75	ppb
Antimony	121-1	1.15	1.10	1.13	1.13	2.22	ppb
Arsenic	75-2	0.20	0.32	0.35	0.29	26.47	ppb
Barium	135-1	1.35	1.50	1.51	1.45	6.35	ppb
Barium	137-1	1.42	1.37	1.45	1.42	2.81	ppb
Beryllium	9-1	0.28	0.29	0.27	0.28	3.85	ppb
Bismuth	209-1				105		%
Bismuth	209-2				104		%
Boron	10-1	6.64	6.36	7.27	6.76	6.94	ppb
Boron	11-1	7.60	7.52	7.39	7.50	1.43	ppb
Cadmium	111-1	0.22	0.17	0.23	0.21	15.82	ppb
Cadmium	106-1	-0.23	-0.09	-1.24	-0.52		ppb
Cadmium	108-1	7.02	6.82	6.29	6.71	5.64	ppb
Calcium	43-1	96223.70	91978.12	95266.62	94489.48	2.36	ppb
Calcium	44-1	95207.30	90361.39	93076.45	92881.71	2.61	ppb
Chromium	52-2	19.30	19.60	19.78	19.56	1.24	ppb
Cobalt	59-2	1.02	1.05	1.03	1.03	1.35	ppb
Copper	63-2	7.39	7.19	7.62	7.40	2.89	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				107		%
Holmium	165-2				108		%
Indium	115-1				103		%
Indium	115-2				103		%
Iron	56-2	94654.11	92293.40	93754.14	93567.22	1.27	ppb
Iron	57-2	92001.68	90071.28	91658.21	91243.72	1.13	ppb
Lead	206-1	5.14	4.88	4.88	4.97	2.97	ppb
Lead	207-1	4.52	4.44	4.32	4.43	2.28	ppb
Lead	208-1	4.75	4.57	4.54	4.62	2.55	ppb
Lithium	6-1				107		%
Magnesium	24-2	95187.52	92505.00	92690.62	93461.05	1.60	ppb
Manganese	55-2	7.79	7.08	7.80	7.56	5.40	ppb

LB Number :	LB90416	Operator :	Jaswal
Lab Sample ID :	ICSA	Instrumnet Name :	P8
Client Sample ID :	ICSA	Dilution Factor :	1
Date & Time Acquired ::	2017-09-28 13:52:54	DataFile Name :	018ICSA_P8092817MS.I

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Molybdenum	94-1	1295.56	1251.70	1286.93	1278.06	1.82	ppb
Molybdenum	95-1	1864.54	1840.17	1873.42	1859.37	0.93	ppb
Molybdenum	96-1	1796.94	1738.07	1802.52	1779.18	2.01	ppb
Molybdenum	97-1	1893.32	1833.77	1882.99	1870.03	1.70	ppb
Molybdenum	98-1	1874.19	1818.95	1872.09	1855.08	1.69	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	5.24	5.16	5.17	5.19	0.83	ppb
Phosphorus	31-2	92812.30	91111.47	90299.77	91407.85	1.40	ppb
Potassium	39-2	95173.03	93923.82	94185.84	94427.56	0.70	ppb
Rhodium	103-1				101		%
Rhodium	103-2				104		%
Scandium	45-1				104		%
Scandium	45-2				109		%
Selenium	77-2	0.00	0.00	0.00	0.00	N/A	ppb
Selenium	78-2	-0.61	0.23	0.25	-0.04		ppb
Selenium	82-1	0.45	-1.38	0.87	-0.02		ppb
Silicon	28-1	17.76	7.84	14.99	13.53	37.86	ppb
Silver	109-1	0.07	0.07	0.07	0.07	3.47	ppb
Silver	107-1	0.08	0.08	0.07	0.08	7.66	ppb
Sodium	23-2	94339.23	92683.12	93138.91	93387.09	0.92	ppb
Strontium	86-1	32.35	31.71	31.78	31.95	1.10	ppb
Strontium	88-1	32.51	31.76	32.42	32.23	1.27	ppb
Sulfur	34-1	70924.32	66341.66	69570.34	68945.44	3.41	ppb
Terbium	159-1				107		%
Terbium	159-2				108		%
Thallium	203-1	0.11	0.10	0.13	0.11	11.20	ppb
Thallium	205-1	0.12	0.13	0.10	0.11	12.93	ppb
Tin	118-1	0.18	0.14	0.16	0.16	14.65	ppb
Titanium	47-1	1960.79	1872.60	1928.15	1920.51	2.32	ppb
Uranium	238-1	-0.01	-0.02	-0.02	-0.01		ppb
Vanadium	51-2	0.14	0.13	0.09	0.12	21.22	ppb
Yttrium	89-1				106		%
Yttrium	89-2				106		%
Zinc	66-2	11.26	10.57	11.27	11.03	3.60	ppb
Zirconium	90-1	0.05	0.04	0.04	0.04	15.43	ppb

LB Number :	LB90416	Operator :	Jaswal
Lab Sample ID :	ICSA	Instrumnet Name :	P8
Client Sample ID :	ICSA	Dilution Factor :	1
Date & Time Acquired ::	2017-09-28 13:52:54	DataFile Name :	018ICSA_P8092817MS.I

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	91-1	0.04	0.03	0.03	0.03	21.03	ppb

LB Number :	LB90416	Operator :	Jaswal
Lab Sample ID :	ICSAB	Instrumnet Name :	P8
Client Sample ID :	ICSAB	Dilution Factor :	1
Date & Time Acquired ::	2017-09-28 13:56:01	DataFile Name :	019ICSB_P8092817MS.I

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	85534.87	85187.07	87485.59	86069.18	1.44	ppb
Antimony	121-1	20.28	19.85	20.34	20.16	1.32	ppb
Arsenic	75-2	18.38	18.16	19.60	18.71	4.14	ppb
Barium	135-1	20.44	20.00	19.91	20.12	1.43	ppb
Barium	137-1	21.12	20.43	20.06	20.54	2.62	ppb
Beryllium	9-1	20.73	19.85	20.66	20.41	2.40	ppb
Bismuth	209-1				105		%
Bismuth	209-2				103		%
Boron	10-1	5.75	6.37	6.92	6.35	9.20	ppb
Boron	11-1	6.52	6.75	6.44	6.57	2.41	ppb
Cadmium	111-1	19.34	18.96	19.10	19.13	0.98	ppb
Cadmium	106-1	15.64	15.55	14.30	15.17	4.94	ppb
Cadmium	108-1	25.29	22.69	24.24	24.07	5.43	ppb
Calcium	43-1	94030.42	93378.30	93893.06	93767.26	0.37	ppb
Calcium	44-1	94000.43	90801.24	91899.38	92233.68	1.76	ppb
Chromium	52-2	38.88	37.99	38.70	38.52	1.22	ppb
Cobalt	59-2	20.07	20.42	20.49	20.33	1.11	ppb
Copper	63-2	25.97	26.29	26.87	26.38	1.73	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				106		%
Holmium	165-2				107		%
Indium	115-1				103		%
Indium	115-2				103		%
Iron	56-2	92546.46	91899.03	93641.04	92695.51	0.95	ppb
Iron	57-2	89863.74	89534.88	91437.40	90278.67	1.13	ppb
Lead	206-1	24.81	24.11	24.64	24.52	1.49	ppb
Lead	207-1	22.75	22.22	22.80	22.59	1.43	ppb
Lead	208-1	23.56	22.90	23.51	23.33	1.58	ppb
Lithium	6-1				105		%
Magnesium	24-2	93205.61	91377.72	94361.48	92981.60	1.62	ppb
Manganese	55-2	25.95	26.66	27.60	26.74	3.10	ppb

LB Number :	LB90416	Operator :	Jaswal
Lab Sample ID :	ICSAB	Instrumnet Name :	P8
Client Sample ID :	ICSAB	Dilution Factor :	1
Date & Time Acquired ::	2017-09-28 13:56:01	DataFile Name :	019ICSB_P8092817MS.I

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Molybdenum	94-1	1270.75	1265.67	1261.12	1265.84	0.38	ppb
Molybdenum	95-1	1819.17	1826.07	1843.36	1829.54	0.68	ppb
Molybdenum	96-1	1777.22	1759.34	1760.75	1765.77	0.56	ppb
Molybdenum	97-1	1852.72	1838.86	1859.10	1850.23	0.56	ppb
Molybdenum	98-1	1831.75	1802.66	1832.75	1822.39	0.94	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	24.76	24.90	25.42	25.02	1.39	ppb
Phosphorus	31-2	90281.51	90355.35	93417.08	91351.31	1.96	ppb
Potassium	39-2	93436.42	93126.31	97031.68	94531.47	2.30	ppb
Rhodium	103-1				101		%
Rhodium	103-2				104		%
Scandium	45-1				104		%
Scandium	45-2				109		%
Selenium	77-2	24.41	34.72	10.03	23.05	53.78	ppb
Selenium	78-2	21.86	13.76	20.75	18.79	23.36	ppb
Selenium	82-1	19.69	19.66	19.62	19.66	0.19	ppb
Silicon	28-1	17.14	14.57	16.42	16.04	8.28	ppb
Silver	109-1	18.68	18.36	18.75	18.60	1.11	ppb
Silver	107-1	18.76	18.38	18.56	18.56	1.03	ppb
Sodium	23-2	93112.24	91350.50	92533.50	92332.08	0.97	ppb
Strontium	86-1	31.42	31.40	31.30	31.37	0.20	ppb
Strontium	88-1	32.15	31.36	31.86	31.79	1.26	ppb
Sulfur	34-1	69569.24	66046.20	68167.70	67927.71	2.61	ppb
Terbium	159-1				107		%
Terbium	159-2				107		%
Thallium	203-1	20.07	19.52	19.78	19.79	1.41	ppb
Thallium	205-1	19.93	19.92	19.98	19.94	0.17	ppb
Tin	118-1	0.13	0.15	0.14	0.14	6.19	ppb
Titanium	47-1	1934.87	1848.84	1890.13	1891.28	2.27	ppb
Uranium	238-1	-0.02	-0.01	-0.02	-0.01		ppb
Vanadium	51-2	18.35	19.09	19.90	19.11	4.04	ppb
Yttrium	89-1				106		%
Yttrium	89-2				106		%
Zinc	66-2	30.23	31.24	32.23	31.23	3.20	ppb
Zirconium	90-1	0.03	0.04	0.03	0.03	6.47	ppb

LB Number :	LB90416	Operator :	Jaswal
Lab Sample ID :	ICSAB	Instrumnet Name :	P8
Client Sample ID :	ICSAB	Dilution Factor :	1
Date & Time Acquired ::	2017-09-28 13:56:01	DataFile Name :	019ICSB_P8092817MS.I

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	91-1	0.02	0.03	0.03	0.03	14.82	ppb

LB Number :	LB90416	Operator :	Jaswal
Lab Sample ID :	CCV073	Instrumnet Name :	P8
Client Sample ID :	CCV073	Dilution Factor :	1
Date & Time Acquired ::	2017-09-28 13:59:09	DataFile Name :	020CCV_P8092817MS.E

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	48507.82	48172.51	50641.50	49107.28	2.73	ppb
Antimony	121-1	493.69	499.41	505.16	499.42	1.15	ppb
Arsenic	75-2	489.89	495.78	512.57	499.41	2.36	ppb
Barium	135-1	2470.79	2507.19	2545.15	2507.71	1.48	ppb
Barium	137-1	2491.69	2496.20	2516.43	2501.44	0.53	ppb
Beryllium	9-1	510.90	503.58	505.01	506.50	0.77	ppb
Bismuth	209-1				101		%
Bismuth	209-2				97		%
Boron	10-1	512.86	521.40	519.87	518.04	0.88	ppb
Boron	11-1	503.17	506.10	507.99	505.75	0.48	ppb
Cadmium	111-1	481.62	481.21	484.45	482.43	0.37	ppb
Cadmium	106-1	487.78	489.73	486.13	487.88	0.37	ppb
Cadmium	108-1	484.45	489.40	489.73	487.86	0.61	ppb
Calcium	43-1	239503.60	235937.24	240083.58	238508.14	0.94	ppb
Calcium	44-1	238088.21	235118.35	237593.56	236933.38	0.67	ppb
Chromium	52-2	503.22	501.73	518.73	507.89	1.85	ppb
Cobalt	59-2	485.77	485.31	503.83	491.64	2.15	ppb
Copper	63-2	963.79	958.20	995.15	972.38	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				105		%
Holmium	165-2				102		%
Indium	115-1				99		%
Indium	115-2				95		%
Iron	56-2	119191.15	119780.33	123291.23	120754.23	1.84	ppb
Iron	57-2	120121.46	118104.59	123319.74	120515.26	2.18	ppb
Lead	206-1	510.21	509.11	514.52	511.28	0.56	ppb
Lead	207-1	508.84	510.38	511.77	510.33	0.29	ppb
Lead	208-1	509.67	507.87	513.50	510.35	0.56	ppb
Lithium	6-1				103		%
Magnesium	24-2	240715.80	238788.20	247065.76	242189.92	1.79	ppb
Manganese	55-2	992.31	993.08	1036.03	1007.14	2.48	ppb

LB Number :	LB90416	Operator :	Jaswal
Lab Sample ID :	CCV073	Instrumnet Name :	P8
Client Sample ID :	CCV073	Dilution Factor :	1
Date & Time Acquired ::	2017-09-28 13:59:09	DataFile Name :	020CCV_P8092817MS.C

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Molybdenum	94-1	2500.73	2479.88	2512.94	2497.85	0.67	ppb
Molybdenum	95-1	2487.70	2489.82	2481.75	2486.42	0.17	ppb
Molybdenum	96-1	2519.48	2496.28	2505.58	2507.11	0.47	ppb
Molybdenum	97-1	2545.67	2500.81	2528.62	2525.04	0.90	ppb
Molybdenum	98-1	2498.71	2509.69	2488.40	2498.93	0.43	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	493.04	486.45	505.45	494.98	1.95	ppb
Phosphorus	31-2	9399.06	9646.11	10068.27	9704.48	3.49	ppb
Potassium	39-2	124387.29	124045.64	129321.72	125918.22	2.34	ppb
Rhodium	103-1				97		%
Rhodium	103-2				97		%
Scandium	45-1				101		%
Scandium	45-2				103		%
Selenium	77-2	415.65	584.83	512.68	504.39	16.83	ppb
Selenium	78-2	477.71	472.97	531.16	493.94	6.54	ppb
Selenium	82-1	497.69	493.46	495.67	495.61	0.43	ppb
Silicon	28-1	484.89	477.79	482.60	481.76	0.75	ppb
Silver	109-1	495.06	497.71	495.52	496.10	0.29	ppb
Silver	107-1	484.13	488.81	501.24	491.39	1.80	ppb
Sodium	23-2	242483.12	240946.56	252053.96	245161.21	2.45	ppb
Strontium	86-1	502.02	503.74	507.73	504.50	0.58	ppb
Strontium	88-1	510.60	512.08	511.73	511.47	0.15	ppb
Sulfur	34-1	7930.35	7789.66	8103.46	7941.16	1.98	ppb
Terbium	159-1				104		%
Terbium	159-2				102		%
Thallium	203-1	509.62	509.88	516.83	512.11	0.80	ppb
Thallium	205-1	507.91	502.60	509.77	506.76	0.73	ppb
Tin	118-1	496.98	502.43	512.50	503.97	1.56	ppb
Titanium	47-1	498.43	492.64	497.70	496.26	0.64	ppb
Uranium	238-1	512.30	514.58	519.53	515.47	0.72	ppb
Vanadium	51-2	502.42	499.69	518.45	506.85	2.00	ppb
Yttrium	89-1				102		%
Yttrium	89-2				100		%
Zinc	66-2	985.56	982.79	1014.23	994.20	1.75	ppb
Zirconium	90-1	498.15	502.87	498.05	499.69	0.55	ppb

LB Number :	LB90416	Operator :	Jaswal
Lab Sample ID :	CCV073	Instrumnet Name :	P8
Client Sample ID :	CCV073	Dilution Factor :	1
Date & Time Acquired ::	2017-09-28 13:59:09	DataFile Name :	020CCV_P8092817MS.E

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	91-1	493.80	503.73	494.43	497.32	1.12	ppb

LB Number :	LB90416	Operator :	Jaswal
Lab Sample ID :	CCB073	Instrumnet Name :	P8
Client Sample ID :	CCB073	Dilution Factor :	1
Date & Time Acquired ::	2017-09-28 14:02:13	DataFile Name :	021CCBE_P8092817MS

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	-2.51	0.42	-3.95	-2.01		ppb
Antimony	121-1	0.29	0.28	0.28	0.28	2.76	ppb
Arsenic	75-2	-0.06	-0.02	0.00	-0.03		ppb
Barium	135-1	-0.03	0.00	-0.02	-0.02		ppb
Barium	137-1	-0.03	-0.05	-0.05	-0.04		ppb
Beryllium	9-1	0.22	0.17	0.21	0.20	14.02	ppb
Bismuth	209-1				106		%
Bismuth	209-2				104		%
Boron	10-1	16.17	16.05	15.25	15.83	3.15	ppb
Boron	11-1	17.56	15.33	15.64	16.17	7.46	ppb
Cadmium	111-1	-0.04	0.00	-0.03	-0.02		ppb
Cadmium	106-1	-0.76	-0.03	-0.24	-0.34		ppb
Cadmium	108-1	0.09	0.09	0.19	0.12	49.75	ppb
Calcium	43-1	-5.70	-24.97	-27.21	-19.29		ppb
Calcium	44-1	2.71	4.51	4.62	3.95	27.11	ppb
Chromium	52-2	-0.07	0.01	-0.07	-0.05		ppb
Cobalt	59-2	-0.09	-0.07	-0.10	-0.09		ppb
Copper	63-2	0.01	0.00	-0.01	0.00		ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				103		%
Holmium	165-2				103		%
Indium	115-1				102		%
Indium	115-2				101		%
Iron	56-2	3.98	4.48	4.01	4.16	6.74	ppb
Iron	57-2	4.50	4.56	4.91	4.66	4.69	ppb
Lead	206-1	0.16	0.17	0.16	0.16	2.85	ppb
Lead	207-1	0.16	0.17	0.17	0.17	2.96	ppb
Lead	208-1	0.15	0.16	0.16	0.16	4.07	ppb
Lithium	6-1				106		%
Magnesium	24-2	-1.73	-2.83	0.01	-1.52		ppb
Manganese	55-2	0.05	-0.03	-0.11	-0.03		ppb

LB Number :	LB90416	Operator :	Jaswal
Lab Sample ID :	CCB073	Instrumnet Name :	P8
Client Sample ID :	CCB073	Dilution Factor :	1
Date & Time Acquired ::	2017-09-28 14:02:13	DataFile Name :	021CCBE_P8092817MS

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Molybdenum	94-1	0.44	0.39	0.34	0.39	12.30	ppb
Molybdenum	95-1	0.61	0.56	0.49	0.55	10.25	ppb
Molybdenum	96-1	0.55	0.56	0.49	0.53	7.04	ppb
Molybdenum	97-1	0.67	0.48	0.44	0.53	23.30	ppb
Molybdenum	98-1	0.61	0.51	0.48	0.53	12.85	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	-0.01	-0.06	-0.08	-0.05		ppb
Phosphorus	31-2	9.88	10.06	29.36	16.43	68.16	ppb
Potassium	39-2	16.00	24.34	13.16	17.83	32.59	ppb
Rhodium	103-1				103		%
Rhodium	103-2				104		%
Scandium	45-1				102		%
Scandium	45-2				104		%
Selenium	77-2	0.00	5.14	5.12	3.42	86.60	ppb
Selenium	78-2	0.26	0.27	2.88	1.14	132.95	ppb
Selenium	82-1	0.18	-0.59	0.57	0.05	1082.68	ppb
Silicon	28-1	-12.61	-11.42	-11.72	-11.92		ppb
Silver	109-1	0.04	0.03	0.04	0.04	11.87	ppb
Silver	107-1	0.04	0.04	0.04	0.04	3.82	ppb
Sodium	23-2	54.79	51.54	37.20	47.84	19.56	ppb
Strontium	86-1	0.03	0.07	0.07	0.06	34.86	ppb
Strontium	88-1	0.00	0.00	0.00	0.00		ppb
Sulfur	34-1	-1823.68	-1650.41	-1720.60	-1731.56		ppb
Terbium	159-1				104		%
Terbium	159-2				104		%
Thallium	203-1	0.20	0.17	0.15	0.17	13.34	ppb
Thallium	205-1	0.19	0.19	0.16	0.18	10.50	ppb
Tin	118-1	0.15	0.11	0.10	0.12	17.74	ppb
Titanium	47-1	0.06	0.13	0.02	0.07	85.63	ppb
Uranium	238-1	-0.03	-0.03	-0.02	-0.03		ppb
Vanadium	51-2	-0.04	-0.02	-0.03	-0.03		ppb
Yttrium	89-1				103		%
Yttrium	89-2				103		%
Zinc	66-2	0.18	0.07	0.07	0.11	59.30	ppb
Zirconium	90-1	0.03	0.01	0.02	0.02	48.04	ppb

LB Number :	LB90416	Operator :	Jaswal
Lab Sample ID :	CCB073	Instrumnet Name :	P8
Client Sample ID :	CCB073	Dilution Factor :	1
Date & Time Acquired ::	2017-09-28 14:02:13	DataFile Name :	021CCBE_P8092817MS

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	91-1	0.04	0.03	0.03	0.03	18.07	ppb

LB Number :	LB90416	Operator :	Jaswal
Lab Sample ID :	CRI	Instrumnet Name :	P8
Client Sample ID :	CRI	Dilution Factor :	1
Date & Time Acquired ::	2017-09-28 14:05:24	DataFile Name :	022SMPL_P8092817MS.

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	28.40	4.71	10.58	14.56	84.71	ppb
Antimony	121-1	2.02	2.03	1.99	2.01	1.09	ppb
Arsenic	75-2	1.02	1.15	0.76	0.98	19.96	ppb
Barium	135-1	9.21	8.92	9.25	9.13	1.96	ppb
Barium	137-1	9.18	9.44	9.16	9.26	1.68	ppb
Beryllium	9-1	1.12	0.96	1.07	1.05	7.75	ppb
Bismuth	209-1				101		%
Bismuth	209-2				102		%
Boron	10-1	29.08	30.49	29.54	29.70	2.42	ppb
Boron	11-1	29.13	29.49	32.16	30.26	5.47	ppb
Cadmium	111-1	1.00	0.91	0.86	0.92	7.37	ppb
Cadmium	106-1	1.46	0.40	0.79	0.88	61.04	ppb
Cadmium	108-1	1.20	1.01	1.39	1.20	15.71	ppb
Calcium	43-1	417.65	391.13	440.74	416.51	5.96	ppb
Calcium	44-1	451.13	434.19	442.36	442.56	1.91	ppb
Chromium	52-2	1.99	1.92	1.82	1.91	4.63	ppb
Cobalt	59-2	0.89	0.83	0.83	0.85	4.21	ppb
Copper	63-2	1.96	2.01	2.05	2.01	2.27	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				100		%
Holmium	165-2				103		%
Indium	115-1				98		%
Indium	115-2				102		%
Iron	56-2	48.24	49.44	50.01	49.23	1.84	ppb
Iron	57-2	52.29	53.45	51.62	52.45	1.76	ppb
Lead	206-1	2.00	1.92	1.99	1.97	2.08	ppb
Lead	207-1	1.98	1.92	2.02	1.97	2.42	ppb
Lead	208-1	1.93	1.93	1.99	1.95	1.81	ppb
Lithium	6-1				103		%
Magnesium	24-2	444.20	483.54	468.24	465.32	4.26	ppb
Manganese	55-2	1.14	0.95	0.84	0.98	15.35	ppb

LB Number :	LB90416	Operator :	Jaswal
Lab Sample ID :	CRI	Instrumnet Name :	P8
Client Sample ID :	CRI	Dilution Factor :	1
Date & Time Acquired ::	2017-09-28 14:05:24	DataFile Name :	022SMPL_P8092817MS.

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Molybdenum	94-1	4.40	4.64	4.27	4.44	4.26	ppb
Molybdenum	95-1	4.53	4.56	4.52	4.54	0.47	ppb
Molybdenum	96-1	4.58	4.80	4.48	4.62	3.51	ppb
Molybdenum	97-1	4.72	4.44	4.69	4.62	3.31	ppb
Molybdenum	98-1	4.58	4.71	4.65	4.65	1.42	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.95	0.97	0.87	0.93	5.71	ppb
Phosphorus	31-2	-9.73	-9.73	10.02	-3.14		ppb
Potassium	39-2	487.18	492.03	443.83	474.35	5.60	ppb
Rhodium	103-1				99		%
Rhodium	103-2				104		%
Scandium	45-1				99		%
Scandium	45-2				103		%
Selenium	77-2	5.23	5.19	0.00	3.47	86.60	ppb
Selenium	78-2	4.74	8.24	5.58	6.19	29.51	ppb
Selenium	82-1	6.23	5.00	4.53	5.25	16.66	ppb
Silicon	28-1	0.68	-5.43	6.77	0.67	906.65	ppb
Silver	109-1	1.32	1.31	1.22	1.29	4.14	ppb
Silver	107-1	1.26	1.32	1.27	1.28	2.60	ppb
Sodium	23-2	500.25	492.50	512.47	501.74	2.01	ppb
Strontium	86-1	0.95	0.94	1.00	0.97	3.43	ppb
Strontium	88-1	0.94	0.94	0.91	0.93	2.01	ppb
Sulfur	34-1	-1601.50	-1888.46	-840.49	-1443.48		ppb
Terbium	159-1				100		%
Terbium	159-2				103		%
Thallium	203-1	1.08	0.96	1.05	1.03	5.74	ppb
Thallium	205-1	1.07	1.05	1.06	1.06	1.04	ppb
Tin	118-1	4.59	4.67	4.43	4.56	2.64	ppb
Titanium	47-1	4.76	4.66	4.69	4.70	1.10	ppb
Uranium	238-1	0.88	0.86	0.86	0.87	1.33	ppb
Vanadium	51-2	5.12	4.69	5.14	4.98	5.19	ppb
Yttrium	89-1				99		%
Yttrium	89-2				101		%
Zinc	66-2	2.29	2.41	2.26	2.32	3.43	ppb
Zirconium	90-1	0.90	0.90	0.88	0.89	1.43	ppb

LB Number :	LB90416	Operator :	Jaswal
Lab Sample ID :	CRI	Instrumnet Name :	P8
Client Sample ID :	CRI	Dilution Factor :	1
Date & Time Acquired ::	2017-09-28 14:05:24	DataFile Name :	022SMPL_P8092817MS.

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	91-1	0.84	0.81	0.91	0.86	5.87	ppb

LB Number :	LB90416	Operator :	Jaswal
Lab Sample ID :	PB102344BL	Instrumnet Name :	P8
Client Sample ID :	PBW007	Dilution Factor :	1
Date & Time Acquired ::	2017-09-28 14:08:36	DataFile Name :	023CCBE_P8092817MS

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	-1.02	-1.01	1.96	-0.02		ppb
Antimony	121-1	0.04	0.04	0.04	0.04	2.98	ppb
Arsenic	75-2	0.02	-0.06	-0.06	-0.03		ppb
Barium	135-1	-0.07	-0.07	-0.03	-0.05		ppb
Barium	137-1	-0.05	-0.04	-0.04	-0.04		ppb
Beryllium	9-1	0.08	-0.02	0.04	0.03	156.76	ppb
Bismuth	209-1				105		%
Bismuth	209-2				103		%
Boron	10-1	6.20	7.35	6.71	6.75	8.52	ppb
Boron	11-1	7.50	6.87	7.55	7.31	5.21	ppb
Cadmium	111-1	-0.07	0.01	-0.04	-0.03		ppb
Cadmium	106-1	-0.80	0.42	-0.53	-0.30		ppb
Cadmium	108-1	-0.01	0.02	0.12	0.04	161.30	ppb
Calcium	43-1	-19.90	-9.81	-16.85	-15.52		ppb
Calcium	44-1	3.77	5.02	5.90	4.90	21.84	ppb
Chromium	52-2	-0.21	-0.12	-0.01	-0.11		ppb
Cobalt	59-2	-0.08	-0.08	-0.07	-0.08		ppb
Copper	63-2	-0.01	-0.01	-0.01	-0.01		ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				103		%
Holmium	165-2				102		%
Indium	115-1				101		%
Indium	115-2				101		%
Iron	56-2	2.37	2.35	2.64	2.45	6.47	ppb
Iron	57-2	3.29	3.75	4.65	3.90	17.75	ppb
Lead	206-1	0.22	0.18	0.18	0.19	12.94	ppb
Lead	207-1	0.19	0.17	0.19	0.19	5.45	ppb
Lead	208-1	0.20	0.18	0.19	0.19	7.81	ppb
Lithium	6-1				104		%
Magnesium	24-2	2.36	3.62	2.18	2.72	28.94	ppb
Manganese	55-2	0.02	-0.13	-0.03	-0.04		ppb

LB Number :	LB90416	Operator :	Jaswal
Lab Sample ID :	PB102344BL	Instrumnet Name :	P8
Client Sample ID :	PBW007	Dilution Factor :	1
Date & Time Acquired ::	2017-09-28 14:08:36	DataFile Name :	023CCBE_P8092817MS

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Molybdenum	94-1	0.08	0.03	0.01	0.04	90.57	ppb
Molybdenum	95-1	0.12	0.10	0.10	0.11	12.88	ppb
Molybdenum	96-1	0.08	0.09	0.10	0.09	13.14	ppb
Molybdenum	97-1	0.06	0.11	0.05	0.07	47.48	ppb
Molybdenum	98-1	0.06	0.11	0.08	0.08	31.28	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.04	-0.03	0.03	0.01	269.08	ppb
Phosphorus	31-2	-9.73	-9.73	-9.73	-9.73		ppb
Potassium	39-2	30.99	-3.16	-16.53	3.76	651.24	ppb
Rhodium	103-1				101		%
Rhodium	103-2				103		%
Scandium	45-1				100		%
Scandium	45-2				102		%
Selenium	77-2	0.00	5.36	0.00	1.79	173.21	ppb
Selenium	78-2	-0.61	-0.61	0.29	-0.31		ppb
Selenium	82-1	0.21	-0.66	-0.37	-0.27		ppb
Silicon	28-1	-11.37	-10.80	-12.47	-11.55		ppb
Silver	109-1	0.03	0.02	0.01	0.02	27.04	ppb
Silver	107-1	0.02	0.03	0.02	0.02	18.63	ppb
Sodium	23-2	13.85	18.79	17.83	16.82	15.57	ppb
Strontium	86-1	0.04	0.02	0.05	0.03	44.30	ppb
Strontium	88-1	0.00	0.00	0.00	0.00		ppb
Sulfur	34-1	-1474.31	-1418.93	-1446.20	-1446.48		ppb
Terbium	159-1				103		%
Terbium	159-2				102		%
Thallium	203-1	0.04	0.07	0.06	0.06	19.86	ppb
Thallium	205-1	0.08	0.07	0.07	0.07	7.18	ppb
Tin	118-1	0.10	0.09	0.08	0.09	10.70	ppb
Titanium	47-1	0.06	0.03	0.06	0.05	38.08	ppb
Uranium	238-1	-0.03	-0.03	-0.03	-0.03		ppb
Vanadium	51-2	-0.02	-0.04	-0.03	-0.03		ppb
Yttrium	89-1				102		%
Yttrium	89-2				100		%
Zinc	66-2	0.41	0.35	0.24	0.34	24.89	ppb
Zirconium	90-1	0.01	0.01	0.01	0.01	23.38	ppb

LB Number :	LB90416	Operator :	Jaswal
Lab Sample ID :	PB102344BL	Instrumnet Name :	P8
Client Sample ID :	PBW007	Dilution Factor :	1
Date & Time Acquired ::	2017-09-28 14:08:36	DataFile Name :	023CCBE_P8092817MS

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

LB Number :	LB90416	Operator :	Jaswal
Lab Sample ID :	PB102344BS	Instrumnet Name :	P8
Client Sample ID :	LCS007	Dilution Factor :	1
Date & Time Acquired ::	2017-09-28 14:40:53	DataFile Name :	031LCSE_P8092817MS.

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	36.63	47.50	40.79	41.64	13.17	ppb
Antimony	121-1	3.81	3.98	3.91	3.90	2.16	ppb
Arsenic	75-2	2.06	2.26	2.16	2.16	4.65	ppb
Barium	135-1	18.95	18.84	19.18	18.99	0.91	ppb
Barium	137-1	18.62	19.62	19.08	19.11	2.63	ppb
Beryllium	9-1	1.90	1.84	1.83	1.86	2.00	ppb
Bismuth	209-1				109		%
Bismuth	209-2				110		%
Boron	10-1	48.41	47.01	52.00	49.14	5.24	ppb
Boron	11-1	48.52	49.07	52.51	50.03	4.32	ppb
Cadmium	111-1	1.98	1.99	2.05	2.00	1.84	ppb
Cadmium	106-1	0.98	1.63	2.10	1.57	36.04	ppb
Cadmium	108-1	2.11	2.07	2.35	2.17	7.01	ppb
Calcium	43-1	900.26	927.18	888.94	905.46	2.17	ppb
Calcium	44-1	896.37	895.77	908.58	900.24	0.80	ppb
Chromium	52-2	4.21	3.80	3.96	3.99	5.13	ppb
Cobalt	59-2	2.00	1.84	1.84	1.89	4.77	ppb
Copper	63-2	3.78	3.79	3.87	3.81	1.29	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				107		%
Holmium	165-2				110		%
Indium	115-1				106		%
Indium	115-2				109		%
Iron	56-2	370.78	372.07	373.49	372.11	0.36	ppb
Iron	57-2	362.96	374.56	372.23	369.92	1.66	ppb
Lead	206-1	1.92	1.94	1.91	1.92	0.92	ppb
Lead	207-1	1.86	1.95	1.98	1.93	3.19	ppb
Lead	208-1	1.90	1.91	1.91	1.91	0.46	ppb
Lithium	6-1				109		%
Magnesium	24-2	921.67	926.42	932.66	926.92	0.59	ppb
Manganese	55-2	1.67	2.09	1.99	1.92	11.29	ppb

LB Number :	LB90416	Operator :	Jaswal
Lab Sample ID :	PB102344BS	Instrumnet Name :	P8
Client Sample ID :	LCS007	Dilution Factor :	1
Date & Time Acquired ::	2017-09-28 14:40:53	DataFile Name :	031LCSE_P8092817MS.

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Molybdenum	94-1	15.45	15.37	15.71	15.51	1.13	ppb
Molybdenum	95-1	18.61	18.66	18.55	18.61	0.29	ppb
Molybdenum	96-1	18.37	18.25	17.77	18.13	1.74	ppb
Molybdenum	97-1	18.71	18.20	18.39	18.43	1.40	ppb
Molybdenum	98-1	18.29	18.89	18.49	18.56	1.64	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	2.30	2.29	2.34	2.31	1.20	ppb
Phosphorus	31-2	45.46	27.11	8.70	27.09	67.84	ppb
Potassium	39-2	893.91	921.54	890.23	901.89	1.90	ppb
Rhodium	103-1				106		%
Rhodium	103-2				110		%
Scandium	45-1				106		%
Scandium	45-2				111		%
Selenium	77-2	14.66	9.75	24.29	16.24	45.56	ppb
Selenium	78-2	14.39	16.00	7.67	12.69	34.83	ppb
Selenium	82-1	10.70	9.56	9.92	10.06	5.79	ppb
Silicon	28-1	3.89	3.02	7.27	4.73	47.54	ppb
Silver	109-1	2.06	2.05	2.12	2.08	1.79	ppb
Silver	107-1	2.01	2.06	2.08	2.05	1.87	ppb
Sodium	23-2	945.27	906.18	926.83	926.09	2.11	ppb
Strontium	86-1	1.88	1.84	2.00	1.91	4.35	ppb
Strontium	88-1	1.92	2.01	1.90	1.94	2.77	ppb
Sulfur	34-1	-1571.18	-1486.20	-1060.99	-1372.79		ppb
Terbium	159-1				107		%
Terbium	159-2				110		%
Thallium	203-1	1.98	1.98	1.97	1.98	0.43	ppb
Thallium	205-1	2.03	1.93	1.96	1.97	2.69	ppb
Tin	118-1	9.31	9.12	9.26	9.23	1.12	ppb
Titanium	47-1	9.14	9.30	9.13	9.19	1.02	ppb
Uranium	238-1	1.73	1.76	1.73	1.74	1.11	ppb
Vanadium	51-2	9.32	9.50	8.92	9.25	3.23	ppb
Yttrium	89-1				107		%
Yttrium	89-2				108		%
Zinc	66-2	4.46	4.49	4.32	4.42	2.11	ppb
Zirconium	90-1	1.86	1.82	1.85	1.84	0.99	ppb

LB Number :	LB90416	Operator :	Jaswal
Lab Sample ID :	PB102344BS	Instrumnet Name :	P8
Client Sample ID :	LCS007	Dilution Factor :	1
Date & Time Acquired ::	2017-09-28 14:40:53	DataFile Name :	031LCSE_P8092817MS.

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	91-1	1.76	1.77	1.81	1.78	1.52	ppb

LB Number :	LB90416	Operator :	Jaswal
Lab Sample ID :	I5241-01	Instrumnet Name :	P8
Client Sample ID :	MC0AA1	Dilution Factor :	1
Date & Time Acquired ::	2017-09-28 14:44:05	DataFile Name :	032SMPL_P8092817MS.

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	2.94	12.22	10.73	8.63	57.77	ppb
Antimony	121-1	0.11	0.10	0.13	0.11	11.92	ppb
Arsenic	75-2	0.03	0.09	-0.03	0.03	185.32	ppb
Barium	135-1	97.54	98.17	96.58	97.43	0.82	ppb
Barium	137-1	98.67	98.25	98.04	98.32	0.33	ppb
Beryllium	9-1	-0.03	-0.07	-0.04	-0.05		ppb
Bismuth	209-1				110		%
Bismuth	209-2				110		%
Boron	10-1	103.77	107.46	105.87	105.70	1.75	ppb
Boron	11-1	102.42	106.51	108.74	105.89	3.03	ppb
Cadmium	111-1	-0.04	-0.07	-0.15	-0.09		ppb
Cadmium	106-1	-0.28	-0.52	-1.94	-0.91		ppb
Cadmium	108-1	0.02	-0.02	0.08	0.03	180.09	ppb
Calcium	43-1	113808.30	113296.62	112850.88	113318.60	0.42	ppb
Calcium	44-1	112446.93	112220.81	110628.72	111765.49	0.89	ppb
Chromium	52-2	-0.27	-0.20	-0.22	-0.23		ppb
Cobalt	59-2	0.86	0.85	0.77	0.83	6.08	ppb
Copper	63-2	1.28	1.33	1.23	1.28	3.86	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				110		%
Holmium	165-2				111		%
Indium	115-1				108		%
Indium	115-2				109		%
Iron	56-2	2330.71	2256.01	2233.83	2273.52	2.23	ppb
Iron	57-2	2280.08	2183.38	2181.27	2214.91	2.55	ppb
Lead	206-1	0.29	0.27	0.26	0.27	4.82	ppb
Lead	207-1	0.30	0.27	0.24	0.27	11.90	ppb
Lead	208-1	0.29	0.27	0.25	0.27	8.84	ppb
Lithium	6-1				112		%
Magnesium	24-2	23202.67	22490.33	22135.35	22609.45	2.40	ppb
Manganese	55-2	2986.52	2884.40	2873.34	2914.75	2.14	ppb

LB Number :	LB90416	Operator :	Jaswal
Lab Sample ID :	I5241-01	Instrumnet Name :	P8
Client Sample ID :	MC0AA1	Dilution Factor :	1
Date & Time Acquired ::	2017-09-28 14:44:05	DataFile Name :	032SMPL_P8092817MS.

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Molybdenum	94-1	0.51	0.51	0.57	0.53	7.14	ppb
Molybdenum	95-1	0.62	0.66	0.64	0.64	3.40	ppb
Molybdenum	96-1	0.66	0.62	0.61	0.63	4.43	ppb
Molybdenum	97-1	0.63	0.60	0.56	0.60	5.76	ppb
Molybdenum	98-1	0.55	0.61	0.59	0.58	5.64	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	5.11	5.00	4.66	4.93	4.73	ppb
Phosphorus	31-2	8.99	26.92	44.70	26.87	66.45	ppb
Potassium	39-2	2196.15	2126.12	1995.52	2105.93	4.84	ppb
Rhodium	103-1				107		%
Rhodium	103-2				110		%
Scandium	45-1				109		%
Scandium	45-2				111		%
Selenium	77-2	0.00	0.00	0.00	0.00	N/A	ppb
Selenium	78-2	0.21	1.03	1.85	1.03	79.26	ppb
Selenium	82-1	0.37	0.45	0.68	0.50	31.86	ppb
Silicon	28-1	5543.90	5598.57	5499.82	5547.43	0.89	ppb
Silver	109-1	0.10	0.11	0.11	0.10	2.31	ppb
Silver	107-1	0.09	0.11	0.13	0.11	17.58	ppb
Sodium	23-2	26439.87	25467.55	25003.77	25637.06	2.86	ppb
Strontium	86-1	316.14	314.58	311.91	314.21	0.68	ppb
Strontium	88-1	321.52	321.03	320.50	321.02	0.16	ppb
Sulfur	34-1	21526.76	21033.01	20799.08	21119.62	1.76	ppb
Terbium	159-1				111		%
Terbium	159-2				111		%
Thallium	203-1	0.05	0.04	0.02	0.04	51.78	ppb
Thallium	205-1	0.07	0.06	0.04	0.05	33.92	ppb
Tin	118-1	0.06	0.06	0.06	0.06	4.84	ppb
Titanium	47-1	0.43	0.28	0.27	0.33	26.94	ppb
Uranium	238-1	1.10	1.12	1.16	1.13	3.07	ppb
Vanadium	51-2	0.30	0.30	0.25	0.28	10.83	ppb
Yttrium	89-1				110		%
Yttrium	89-2				109		%
Zinc	66-2	7.40	7.37	7.07	7.28	2.55	ppb
Zirconium	90-1	0.10	0.10	0.09	0.10	3.94	ppb

LB Number :	LB90416	Operator :	Jaswal
Lab Sample ID :	I5241-01	Instrumnet Name :	P8
Client Sample ID :	MC0AA1	Dilution Factor :	1
Date & Time Acquired ::	2017-09-28 14:44:05	DataFile Name :	032SMPL_P8092817MS.

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	91-1	0.06	0.07	0.12	0.08	35.65	ppb

LB Number :	LB90416	Operator :	Jaswal
Lab Sample ID :	I5241-02	Instrumnet Name :	P8
Client Sample ID :	MC0AA1D	Dilution Factor :	1
Date & Time Acquired ::	2017-09-28 14:47:14	DataFile Name :	033SMPL_P8092817MS.

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	0.32	11.10	9.44	6.95	83.45	ppb
Antimony	121-1	0.09	0.10	0.11	0.10	6.26	ppb
Arsenic	75-2	0.10	-0.01	0.12	0.07	96.11	ppb
Barium	135-1	97.59	96.75	96.62	96.99	0.54	ppb
Barium	137-1	99.05	97.70	96.79	97.85	1.17	ppb
Beryllium	9-1	-0.08	-0.07	-0.07	-0.07		ppb
Bismuth	209-1				113		%
Bismuth	209-2				107		%
Boron	10-1	110.59	107.67	111.75	110.00	1.91	ppb
Boron	11-1	105.64	108.22	109.77	107.88	1.93	ppb
Cadmium	111-1	-0.05	-0.03	-0.06	-0.05		ppb
Cadmium	106-1	-0.38	-0.05	-0.72	-0.38		ppb
Cadmium	108-1	-0.02	-0.05	0.02	-0.02		ppb
Calcium	43-1	110734.15	112867.91	114074.07	112558.71	1.50	ppb
Calcium	44-1	109765.01	111195.67	112270.27	111076.98	1.13	ppb
Chromium	52-2	-0.11	-0.21	-0.25	-0.19		ppb
Cobalt	59-2	0.80	0.87	0.85	0.84	4.15	ppb
Copper	63-2	1.35	1.29	1.23	1.29	4.72	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				113		%
Holmium	165-2				109		%
Indium	115-1				109		%
Indium	115-2				106		%
Iron	56-2	2411.33	2319.54	2242.96	2324.61	3.63	ppb
Iron	57-2	2348.59	2252.18	2159.47	2253.41	4.20	ppb
Lead	206-1	0.22	0.23	0.18	0.21	14.37	ppb
Lead	207-1	0.21	0.17	0.18	0.19	11.10	ppb
Lead	208-1	0.21	0.19	0.18	0.19	6.64	ppb
Lithium	6-1				112		%
Magnesium	24-2	24058.16	23049.12	22497.15	23201.47	3.41	ppb
Manganese	55-2	3089.04	2955.99	2866.07	2970.37	3.78	ppb

LB Number :	LB90416	Operator :	Jaswal
Lab Sample ID :	I5241-02	Instrumnet Name :	P8
Client Sample ID :	MC0AA1D	Dilution Factor :	1
Date & Time Acquired ::	2017-09-28 14:47:14	DataFile Name :	033SMPL_P8092817MS.

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Molybdenum	94-1	0.51	0.54	0.55	0.53	3.74	ppb
Molybdenum	95-1	0.60	0.63	0.68	0.64	6.37	ppb
Molybdenum	96-1	0.65	0.62	0.56	0.61	7.80	ppb
Molybdenum	97-1	0.64	0.72	0.61	0.66	8.81	ppb
Molybdenum	98-1	0.62	0.62	0.64	0.63	2.60	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	5.75	5.33	4.91	5.33	7.90	ppb
Phosphorus	31-2	-9.73	8.87	-9.73	-3.53		ppb
Potassium	39-2	2270.13	2186.16	2089.38	2181.89	4.15	ppb
Rhodium	103-1				108		%
Rhodium	103-2				107		%
Scandium	45-1				110		%
Scandium	45-2				109		%
Selenium	77-2	0.00	0.00	0.00	0.00	N/A	ppb
Selenium	78-2	0.26	1.05	0.21	0.51	92.75	ppb
Selenium	82-1	0.19	0.11	0.16	0.15	24.54	ppb
Silicon	28-1	5449.08	5444.91	5584.77	5492.92	1.45	ppb
Silver	109-1	0.11	0.14	0.17	0.14	18.83	ppb
Silver	107-1	0.14	0.13	0.15	0.14	8.59	ppb
Sodium	23-2	27294.14	26100.51	25125.91	26173.52	4.15	ppb
Strontium	86-1	315.50	312.97	311.38	313.28	0.66	ppb
Strontium	88-1	318.29	322.04	318.79	319.71	0.64	ppb
Sulfur	34-1	20425.81	20303.65	20815.54	20515.00	1.30	ppb
Terbium	159-1				113		%
Terbium	159-2				108		%
Thallium	203-1	-0.06	-0.06	-0.07	-0.06		ppb
Thallium	205-1	-0.02	-0.04	-0.05	-0.04		ppb
Tin	118-1	0.03	0.06	0.05	0.05	28.19	ppb
Titanium	47-1	0.22	0.35	0.36	0.31	24.65	ppb
Uranium	238-1	1.12	1.12	1.10	1.12	1.06	ppb
Vanadium	51-2	0.37	0.29	0.18	0.28	33.40	ppb
Yttrium	89-1				111		%
Yttrium	89-2				107		%
Zinc	66-2	7.50	7.12	6.66	7.09	5.94	ppb
Zirconium	90-1	0.08	0.07	0.08	0.08	8.30	ppb

LB Number :	LB90416	Operator :	Jaswal
Lab Sample ID :	I5241-02	Instrumnet Name :	P8
Client Sample ID :	MC0AA1D	Dilution Factor :	1
Date & Time Acquired ::	2017-09-28 14:47:14	DataFile Name :	033SMPL_P8092817MS.

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	91-1	0.05	0.07	0.10	0.07	37.13	ppb

LB Number :	LB90416	Operator :	Jaswal
Lab Sample ID :	I5241-01LX5	Instrumnet Name :	P8
Client Sample ID :	MC0AA1L	Dilution Factor :	5
Date & Time Acquired ::	2017-09-28 14:50:24	DataFile Name :	034SMPL_P8092817MS.

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	5.56	1.43	0.16	2.38	118.55	ppb
Antimony	121-1	0.01	0.01	0.02	0.01	35.42	ppb
Arsenic	75-2	0.01	-0.04	-0.04	-0.03		ppb
Barium	135-1	18.55	18.76	18.76	18.69	0.67	ppb
Barium	137-1	19.08	18.73	18.88	18.90	0.93	ppb
Beryllium	9-1	-0.07	-0.07	-0.07	-0.07		ppb
Bismuth	209-1				109		%
Bismuth	209-2				110		%
Boron	10-1	28.13	26.45	24.09	26.22	7.73	ppb
Boron	11-1	27.22	28.13	26.46	27.27	3.07	ppb
Cadmium	111-1	-0.08	-0.08	-0.06	-0.07		ppb
Cadmium	106-1	-0.67	-0.91	-0.53	-0.70		ppb
Cadmium	108-1	0.05	0.02	0.11	0.06	81.81	ppb
Calcium	43-1	21639.42	21773.96	21748.35	21720.58	0.33	ppb
Calcium	44-1	21594.98	21579.58	21681.52	21618.69	0.25	ppb
Chromium	52-2	-0.19	-0.13	-0.27	-0.19		ppb
Cobalt	59-2	0.01	0.01	-0.01	0.01	258.91	ppb
Copper	63-2	0.39	0.30	0.34	0.34	12.20	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				109		%
Holmium	165-2				110		%
Indium	115-1				108		%
Indium	115-2				108		%
Iron	56-2	433.08	430.02	439.59	434.23	1.13	ppb
Iron	57-2	430.96	427.98	428.10	429.01	0.39	ppb
Lead	206-1	0.02	0.03	0.00	0.02	90.29	ppb
Lead	207-1	0.01	0.04	0.01	0.02	75.56	ppb
Lead	208-1	0.01	0.03	0.01	0.02	53.69	ppb
Lithium	6-1				108		%
Magnesium	24-2	4401.75	4230.97	4338.05	4323.59	2.00	ppb
Manganese	55-2	551.58	545.01	559.83	552.14	1.35	ppb

LB Number :	LB90416	Operator :	Jaswal
Lab Sample ID :	I5241-01LX5	Instrumnet Name :	P8
Client Sample ID :	MC0AA1L	Dilution Factor :	5
Date & Time Acquired ::	2017-09-28 14:50:24	DataFile Name :	034SMPL_P8092817MS.

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Molybdenum	94-1	0.04	0.07	0.00	0.03	95.87	ppb
Molybdenum	95-1	0.13	0.10	0.09	0.10	21.68	ppb
Molybdenum	96-1	0.09	0.12	0.12	0.11	17.00	ppb
Molybdenum	97-1	0.14	0.09	0.07	0.10	35.96	ppb
Molybdenum	98-1	0.10	0.10	0.12	0.11	10.70	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	1.00	1.00	0.91	0.97	5.62	ppb
Phosphorus	31-2	45.67	-9.73	8.87	14.94	188.72	ppb
Potassium	39-2	377.12	389.66	393.02	386.60	2.17	ppb
Rhodium	103-1				107		%
Rhodium	103-2				110		%
Scandium	45-1				107		%
Scandium	45-2				111		%
Selenium	77-2	0.00	0.00	0.00	0.00	N/A	ppb
Selenium	78-2	-0.61	-0.61	-0.61	-0.61		ppb
Selenium	82-1	-1.02	-2.00	0.08	-0.98		ppb
Silicon	28-1	1035.57	1037.39	1049.27	1040.74	0.71	ppb
Silver	109-1	0.05	0.06	0.05	0.06	10.50	ppb
Silver	107-1	0.05	0.06	0.04	0.05	12.33	ppb
Sodium	23-2	4797.88	4744.75	4790.83	4777.82	0.60	ppb
Strontium	86-1	60.03	60.52	60.18	60.24	0.42	ppb
Strontium	88-1	60.94	61.15	61.26	61.12	0.27	ppb
Sulfur	34-1	3640.01	3841.01	3929.73	3803.58	3.90	ppb
Terbium	159-1				109		%
Terbium	159-2				110		%
Thallium	203-1	-0.08	-0.07	-0.07	-0.07		ppb
Thallium	205-1	-0.07	-0.05	-0.06	-0.06		ppb
Tin	118-1	-0.02	0.00	-0.02	-0.01		ppb
Titanium	47-1	0.00	0.04	0.03	0.02	107.21	ppb
Uranium	238-1	0.19	0.17	0.17	0.18	5.56	ppb
Vanadium	51-2	-0.01	0.00	0.02	0.00	1602.88	ppb
Yttrium	89-1				109		%
Yttrium	89-2				109		%
Zinc	66-2	1.71	1.46	1.72	1.63	9.08	ppb
Zirconium	90-1	0.01	0.02	0.02	0.02	40.15	ppb

LB Number :	LB90416	Operator :	Jaswal
Lab Sample ID :	I5241-01LX5	Instrumnet Name :	P8
Client Sample ID :	MC0AA1L	Dilution Factor :	5
Date & Time Acquired ::	2017-09-28 14:50:24	DataFile Name :	034SMPL_P8092817MS.

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	91-1	0.02	0.01	0.02	0.02	50.62	ppb

LB Number :	LB90416	Operator :	Jaswal
Lab Sample ID :	I5241-03	Instrumnet Name :	P8
Client Sample ID :	MC0AA1S	Dilution Factor :	1
Date & Time Acquired ::	2017-09-28 14:53:34	DataFile Name :	035SMPL_P8092817MS.

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	2122.19	1964.83	2007.61	2031.54	4.01	ppb
Antimony	121-1	112.34	111.50	113.41	112.42	0.85	ppb
Arsenic	75-2	46.85	44.98	45.12	45.65	2.28	ppb
Barium	135-1	2295.05	2322.69	2342.86	2320.20	1.03	ppb
Barium	137-1	2273.44	2263.99	2308.40	2281.94	1.03	ppb
Beryllium	9-1	55.66	54.68	56.00	55.45	1.23	ppb
Bismuth	209-1				114		%
Bismuth	209-2				110		%
Boron	10-1	106.05	105.71	104.48	105.42	0.78	ppb
Boron	11-1	103.55	103.81	103.77	103.71	0.14	ppb
Cadmium	111-1	54.28	55.23	56.28	55.26	1.81	ppb
Cadmium	106-1	48.03	44.92	53.18	48.71	8.56	ppb
Cadmium	108-1	52.09	50.04	50.90	51.01	2.02	ppb
Calcium	43-1	111825.33	113965.77	113698.85	113163.32	1.03	ppb
Calcium	44-1	110647.81	112375.19	111457.64	111493.54	0.78	ppb
Chromium	52-2	226.78	228.66	226.66	227.37	0.49	ppb
Cobalt	59-2	568.77	569.57	563.58	567.31	0.57	ppb
Copper	63-2	279.74	279.61	278.17	279.17	0.31	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				113		%
Holmium	165-2				111		%
Indium	115-1				111		%
Indium	115-2				107		%
Iron	56-2	3431.39	3414.68	3413.65	3419.90	0.29	ppb
Iron	57-2	3196.07	3286.96	3157.64	3213.56	2.07	ppb
Lead	206-1	21.93	22.12	22.61	22.22	1.57	ppb
Lead	207-1	21.84	21.95	22.47	22.09	1.51	ppb
Lead	208-1	21.97	22.11	22.27	22.12	0.67	ppb
Lithium	6-1				114		%
Magnesium	24-2	22442.52	22277.06	22272.87	22330.82	0.43	ppb
Manganese	55-2	3433.03	3413.49	3403.60	3416.71	0.44	ppb

LB Number :	LB90416	Operator :	Jaswal
Lab Sample ID :	I5241-03	Instrumnet Name :	P8
Client Sample ID :	MC0AA1S	Dilution Factor :	1
Date & Time Acquired ::	2017-09-28 14:53:34	DataFile Name :	035SMPL_P8092817MS.

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Molybdenum	94-1	0.52	0.49	0.48	0.50	4.68	ppb
Molybdenum	95-1	0.65	0.70	0.70	0.68	4.58	ppb
Molybdenum	96-1	0.62	0.67	0.70	0.67	5.87	ppb
Molybdenum	97-1	0.68	0.67	0.69	0.68	1.69	ppb
Molybdenum	98-1	0.66	0.66	0.64	0.66	2.20	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	579.34	582.89	570.34	577.52	1.12	ppb
Phosphorus	31-2	-9.73	-9.73	8.50	-3.65		ppb
Potassium	39-2	2097.07	2122.16	2087.09	2102.11	0.86	ppb
Rhodium	103-1				109		%
Rhodium	103-2				110		%
Scandium	45-1				111		%
Scandium	45-2				112		%
Selenium	77-2	83.39	117.01	101.89	100.76	16.71	ppb
Selenium	78-2	98.06	107.44	111.89	105.80	6.67	ppb
Selenium	82-1	112.58	113.43	116.02	114.01	1.57	ppb
Silicon	28-1	5465.42	5565.45	5557.19	5529.36	1.00	ppb
Silver	109-1	51.00	51.37	51.93	51.43	0.91	ppb
Silver	107-1	51.34	51.74	51.92	51.67	0.58	ppb
Sodium	23-2	25828.73	25125.20	24900.87	25284.94	1.91	ppb
Strontium	86-1	314.41	313.16	318.22	315.27	0.84	ppb
Strontium	88-1	317.62	319.18	322.05	319.62	0.70	ppb
Sulfur	34-1	20651.83	20975.32	20818.16	20815.10	0.78	ppb
Terbium	159-1				114		%
Terbium	159-2				111		%
Thallium	203-1	54.70	56.13	56.61	55.81	1.78	ppb
Thallium	205-1	55.13	55.76	56.89	55.93	1.60	ppb
Tin	118-1	0.14	0.13	0.13	0.13	4.93	ppb
Titanium	47-1	0.24	0.28	0.38	0.30	25.24	ppb
Uranium	238-1	1.09	1.17	1.12	1.13	3.76	ppb
Vanadium	51-2	566.35	564.00	561.93	564.09	0.39	ppb
Yttrium	89-1				112		%
Yttrium	89-2				108		%
Zinc	66-2	568.37	574.35	562.85	568.52	1.01	ppb
Zirconium	90-1	0.08	0.06	0.05	0.06	20.62	ppb

LB Number :	LB90416	Operator :	Jaswal
Lab Sample ID :	I5241-03	Instrumnet Name :	P8
Client Sample ID :	MC0AA1S	Dilution Factor :	1
Date & Time Acquired ::	2017-09-28 14:53:34	DataFile Name :	035SMPL_P8092817MS.

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	91-1	0.07	0.09	0.07	0.08	17.20	ppb

LB Number :	LB90416	Operator :	Jaswal
Lab Sample ID :	CCV074	Instrumnet Name :	P8
Client Sample ID :	CCV074	Dilution Factor :	1
Date & Time Acquired ::	2017-09-28 15:02:08	DataFile Name :	036CCV_P8092817MS.E

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	48882.41	48943.32	47841.65	48555.79	1.28	ppb
Antimony	121-1	491.75	494.27	507.74	497.92	1.73	ppb
Arsenic	75-2	489.70	498.89	494.11	494.23	0.93	ppb
Barium	135-1	2489.85	2468.79	2536.22	2498.29	1.38	ppb
Barium	137-1	2465.03	2474.80	2550.41	2496.75	1.87	ppb
Beryllium	9-1	510.93	495.15	500.50	502.20	1.60	ppb
Bismuth	209-1				102		%
Bismuth	209-2				98		%
Boron	10-1	509.90	500.92	517.89	509.57	1.67	ppb
Boron	11-1	500.42	495.77	512.01	502.74	1.66	ppb
Cadmium	111-1	472.77	476.21	486.40	478.46	1.48	ppb
Cadmium	106-1	492.54	479.62	493.09	488.42	1.56	ppb
Cadmium	108-1	481.62	480.30	486.24	482.72	0.65	ppb
Calcium	43-1	235827.73	233743.49	244094.61	237888.61	2.30	ppb
Calcium	44-1	234922.37	237071.67	243110.70	238368.25	1.78	ppb
Chromium	52-2	504.70	512.86	494.89	504.15	1.78	ppb
Cobalt	59-2	488.04	490.60	481.25	486.63	0.99	ppb
Copper	63-2	962.48	980.00	954.29	965.59	1.36	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				104		%
Holmium	165-2				103		%
Indium	115-1				97		%
Indium	115-2				95		%
Iron	56-2	120068.02	121135.72	118192.04	119798.59	1.24	ppb
Iron	57-2	119092.07	120784.53	116695.57	118857.39	1.73	ppb
Lead	206-1	506.86	504.02	515.02	508.63	1.12	ppb
Lead	207-1	507.96	510.76	526.46	515.06	1.94	ppb
Lead	208-1	509.05	506.27	520.24	511.85	1.45	ppb
Lithium	6-1				105		%
Magnesium	24-2	240979.40	243084.43	238934.84	240999.56	0.86	ppb
Manganese	55-2	1003.26	1010.76	980.96	998.33	1.55	ppb

LB Number :	LB90416	Operator :	Jaswal
Lab Sample ID :	CCV074	Instrumnet Name :	P8
Client Sample ID :	CCV074	Dilution Factor :	1
Date & Time Acquired ::	2017-09-28 15:02:08	DataFile Name :	036CCV_P8092817MS.C

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Molybdenum	94-1	2449.15	2462.61	2519.97	2477.25	1.52	ppb
Molybdenum	95-1	2449.86	2484.63	2538.48	2490.99	1.79	ppb
Molybdenum	96-1	2438.96	2492.37	2543.62	2491.65	2.10	ppb
Molybdenum	97-1	2496.92	2499.49	2570.01	2522.14	1.64	ppb
Molybdenum	98-1	2473.74	2485.48	2555.83	2505.02	1.77	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	495.64	495.37	488.96	493.32	0.77	ppb
Phosphorus	31-2	10126.27	9267.63	10436.01	9943.30	6.09	ppb
Potassium	39-2	124084.40	123499.78	121501.81	123028.66	1.10	ppb
Rhodium	103-1				96		%
Rhodium	103-2				98		%
Scandium	45-1				101		%
Scandium	45-2				103		%
Selenium	77-2	462.76	452.36	477.15	464.09	2.68	ppb
Selenium	78-2	490.67	506.56	466.67	487.97	4.11	ppb
Selenium	82-1	478.95	487.56	495.23	487.25	1.67	ppb
Silicon	28-1	466.74	474.87	493.76	478.46	2.90	ppb
Silver	109-1	490.80	488.34	499.05	492.73	1.14	ppb
Silver	107-1	491.41	487.42	499.06	492.63	1.20	ppb
Sodium	23-2	242984.60	246057.50	239549.81	242863.97	1.34	ppb
Strontium	86-1	492.55	497.34	508.04	499.31	1.59	ppb
Strontium	88-1	503.30	505.63	518.68	509.20	1.63	ppb
Sulfur	34-1	8655.87	8695.15	9255.40	8868.80	3.78	ppb
Terbium	159-1				105		%
Terbium	159-2				102		%
Thallium	203-1	506.32	509.21	519.09	511.54	1.31	ppb
Thallium	205-1	503.15	504.97	516.85	508.32	1.46	ppb
Tin	118-1	496.38	494.41	506.27	499.02	1.27	ppb
Titanium	47-1	491.40	497.28	501.00	496.56	0.97	ppb
Uranium	238-1	518.75	514.67	524.80	519.41	0.98	ppb
Vanadium	51-2	500.57	501.18	495.77	499.17	0.59	ppb
Yttrium	89-1				102		%
Yttrium	89-2				99		%
Zinc	66-2	973.55	990.14	964.75	976.15	1.32	ppb
Zirconium	90-1	495.05	494.44	504.22	497.90	1.10	ppb

LB Number :	LB90416	Operator :	Jaswal
Lab Sample ID :	CCV074	Instrumnet Name :	P8
Client Sample ID :	CCV074	Dilution Factor :	1
Date & Time Acquired ::	2017-09-28 15:02:08	DataFile Name :	036CCV_P8092817MS.E

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	91-1	487.02	496.17	497.60	493.60	1.16	ppb

LB Number :	LB90416	Operator :	Jaswal
Lab Sample ID :	CCB074	Instrumnet Name :	P8
Client Sample ID :	CCB074	Dilution Factor :	1
Date & Time Acquired ::	2017-09-28 15:05:24	DataFile Name :	037CCBE_P8092817MS

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	-0.81	-2.30	2.72	-0.13		ppb
Antimony	121-1	0.20	0.23	0.21	0.21	7.04	ppb
Arsenic	75-2	0.01	-0.08	-0.01	-0.03		ppb
Barium	135-1	-0.04	-0.05	-0.06	-0.05		ppb
Barium	137-1	-0.02	-0.05	-0.02	-0.03		ppb
Beryllium	9-1	0.15	0.04	0.11	0.10	55.01	ppb
Bismuth	209-1				109		%
Bismuth	209-2				92		%
Boron	10-1	12.54	12.50	13.31	12.79	3.53	ppb
Boron	11-1	12.94	12.25	13.07	12.75	3.43	ppb
Cadmium	111-1	0.00	-0.02	-0.06	-0.03		ppb
Cadmium	106-1	-0.45	-0.20	-0.84	-0.49		ppb
Cadmium	108-1	-0.05	0.05	0.02	0.01	569.96	ppb
Calcium	43-1	-15.67	-23.45	-20.09	-19.74		ppb
Calcium	44-1	1.56	1.16	9.12	3.95	113.72	ppb
Chromium	52-2	-0.22	-0.09	-0.17	-0.16		ppb
Cobalt	59-2	-0.12	-0.14	-0.13	-0.13		ppb
Copper	63-2	0.04	0.02	0.03	0.03	45.06	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				106		%
Holmium	165-2				92		%
Indium	115-1				103		%
Indium	115-2				89		%
Iron	56-2	2.60	2.32	2.98	2.63	12.56	ppb
Iron	57-2	4.13	1.02	1.04	2.06	86.81	ppb
Lead	206-1	0.00	-0.02	-0.01	-0.01		ppb
Lead	207-1	-0.01	-0.01	0.01	0.00		ppb
Lead	208-1	-0.01	-0.01	-0.01	-0.01		ppb
Lithium	6-1				109		%
Magnesium	24-2	-2.70	-0.47	-2.42	-1.87		ppb
Manganese	55-2	-0.01	0.11	0.00	0.03	210.20	ppb

LB Number :	LB90416	Operator :	Jaswal
Lab Sample ID :	CCB074	Instrumnet Name :	P8
Client Sample ID :	CCB074	Dilution Factor :	1
Date & Time Acquired ::	2017-09-28 15:05:24	DataFile Name :	037CCBE_P8092817MS

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Molybdenum	94-1	0.25	0.22	0.18	0.22	16.87	ppb
Molybdenum	95-1	0.40	0.31	0.32	0.35	13.64	ppb
Molybdenum	96-1	0.38	0.31	0.31	0.33	12.17	ppb
Molybdenum	97-1	0.34	0.42	0.20	0.32	35.05	ppb
Molybdenum	98-1	0.38	0.32	0.32	0.34	10.55	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.03	-0.05	-0.01	-0.01		ppb
Phosphorus	31-2	54.28	12.72	-9.73	19.09	170.09	ppb
Potassium	39-2	4.67	7.93	32.02	14.87	100.46	ppb
Rhodium	103-1				104		%
Rhodium	103-2				92		%
Scandium	45-1				103		%
Scandium	45-2				92		%
Selenium	77-2	0.00	5.93	0.00	1.98	173.21	ppb
Selenium	78-2	1.30	2.43	1.43	1.72	35.91	ppb
Selenium	82-1	-0.86	-0.02	-0.04	-0.31		ppb
Silicon	28-1	-32.19	-29.36	-21.88	-27.81		ppb
Silver	109-1	0.05	0.04	0.05	0.05	18.24	ppb
Silver	107-1	0.05	0.03	0.04	0.04	19.46	ppb
Sodium	23-2	24.10	36.03	39.33	33.15	24.17	ppb
Strontium	86-1	-0.01	0.10	0.13	0.07	101.40	ppb
Strontium	88-1	0.05	0.04	0.03	0.04	18.39	ppb
Sulfur	34-1	-2290.94	-1979.87	-1073.42	-1781.41		ppb
Terbium	159-1				106		%
Terbium	159-2				91		%
Thallium	203-1	0.01	0.00	0.01	0.01	66.12	ppb
Thallium	205-1	0.05	0.03	0.03	0.04	33.84	ppb
Tin	118-1	0.14	0.12	0.12	0.12	9.05	ppb
Titanium	47-1	-0.07	-0.04	0.03	-0.03		ppb
Uranium	238-1	-0.04	-0.04	-0.04	-0.04		ppb
Vanadium	51-2	-0.02	-0.03	-0.02	-0.03		ppb
Yttrium	89-1				104		%
Yttrium	89-2				90		%
Zinc	66-2	0.12	0.30	0.30	0.24	42.35	ppb
Zirconium	90-1	0.03	0.03	0.03	0.03	7.30	ppb

LB Number :	LB90416	Operator :	Jaswal
Lab Sample ID :	CCB074	Instrumnet Name :	P8
Client Sample ID :	CCB074	Dilution Factor :	1
Date & Time Acquired ::	2017-09-28 15:05:24	DataFile Name :	037CCBE_P8092817MS

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	91-1	0.04	0.01	0.00	0.02	131.30	ppb

LB Number : LB90416 Operator : Jaswal
 Lab Sample ID : TUNE Instrumnet Name : P8
 Client Sample ID : TUNE Dilution Factor : 1
 Date & Time Acquired :: 2017-09-28 12:33:09 DataFile Name : 001SMPL_P8092817MS.

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	75	25	25	42	69.28	cps
Antimony	121-1	100	142	125	122	17.16	cps
Arsenic	75-2	115	130	141	128	10.13	cps
Barium	135-1	5785	5685	5668	5713	1.11	cps
Barium	137-1	10847	9896	9054	9932	9.03	cps
Beryllium	9-1	4484	4301	3923	4236	6.76	cps
Bismuth	209-1	3954019	3968734	3896939	3939897	0.96	cps
Bismuth	209-2	1067115	1050603	1054965	1057561	0.81	cps
Boron	10-1	183	192	233	203	13.21	cps
Boron	11-1	683	783	658	708	9.34	cps
Cadmium	111-1	3944	3470	3423	3612	7.97	cps
Cadmium	106-1	1433	1217	1167	1272	11.14	cps
Cadmium	108-1	175	200	200	192	7.53	cps
Calcium	43-1	1759	1967	1800	1842	5.99	cps
Calcium	44-1	26167	26426	25975	26189	0.86	cps
Chromium	52-2	1720	1573	1517	1603	6.54	cps
Cobalt	59-2	4951	4744	4758	4818	2.40	cps
Copper	63-2	2124	2160	2137	2140	0.87	cps
Dysprosium	156-1	275	200	233	236	15.91	cps
Dysprosium	156-2	0	0	3	1	173.21	cps
Erbium	164-1	58	33	42	44	28.65	cps
Erbium	164-2	0	0	13	4	173.21	cps
Gadolinium	160-1	33	58	42	44	28.65	cps
Gadolinium	160-2	7	3	7	6	34.70	cps
Holmium	165-1	5942587	5943835	5972271	5952898	0.28	cps
Holmium	165-2	1302074	1291633	1289944	1294551	0.51	cps
Indium	115-1	5008339	5008043	5058417	5024933	0.58	cps
Indium	115-2	223673	222013	219376	221687	0.98	cps
Iron	56-2	1778	1978	2128	1961	8.95	cps
Iron	57-2	89	22	61	57	58.34	cps
Lead	206-1	17295	16845	16633	16925	2.00	cps
Lead	207-1	15710	15521	14865	15365	2.89	cps
Lead	208-1	69926	68568	65132	67876	3.64	cps
Lithium	6-1	814245	812466	816924	814545	0.28	cps
Magnesium	24-2	400	408	375	394	4.40	cps
Manganese	55-2	337	380	280	332	15.09	cps

LB Number :	LB90416	Operator :	Jaswal
Lab Sample ID :	TUNE	Instrumnet Name :	P8
Client Sample ID :	TUNE	Dilution Factor :	1
Date & Time Acquired ::	2017-09-28 12:33:09	DataFile Name :	001SMPL_P8092817MS.

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Molybdenum	94-1	3576	3401	3367	3448	3.25	cps
Molybdenum	95-1	6302	6052	5251	5868	9.35	cps
Molybdenum	96-1	6560	6377	6085	6341	3.78	cps
Molybdenum	97-1	3926	3384	3317	3542	9.42	cps
Molybdenum	98-1	9504	9245	9312	9354	1.44	cps
Neodymium	150-1	40	0	13	18	114.57	cps
Neodymium	150-2	0	0	0	0	0.00	cps
Nickel	60-2	1607	1603	1480	1563	4.62	cps
Phosphorus	31-2	0	8	0	3	173.21	cps
Potassium	39-2	2717	2634	2525	2625	3.66	cps
Rhodium	103-1	4573073	4481956	4506358	4520462	1.04	cps
Rhodium	103-2	1195620	1181186	1184973	1187260	0.63	cps
Scandium	45-1	2784267	2779047	2762527	2775280	0.41	cps
Scandium	45-2	23106	23116	23370	23197	0.64	cps
Selenium	77-2	0	0	0	0	0.00	cps
Selenium	78-2	4	2	7	4	65.54	cps
Selenium	82-1	207	121	167	165	26.01	cps
Silicon	28-1	479616	472652	475220	475829	0.74	cps
Silver	109-1	67	25	8	33	90.15	cps
Silver	107-1	83	50	67	67	25.00	cps
Sodium	23-2	10196	10646	10262	10368	2.34	cps
Strontium	86-1	1108	825	958	964	14.71	cps
Strontium	88-1	217	175	200	197	10.63	cps
Sulfur	34-1	412810	416794	417779	415794	0.63	cps
Terbium	159-1	6176698	6134736	6156132	6155855	0.34	cps
Terbium	159-2	1247954	1235793	1242640	1242129	0.49	cps
Thallium	203-1	11197	11656	10296	11050	6.26	cps
Thallium	205-1	27264	25527	24783	25858	4.92	cps
Tin	118-1	608	592	508	569	9.41	cps
Titanium	47-1	92	133	133	119	20.14	cps
Uranium	238-1	65892	62801	59744	62812	4.89	cps
Vanadium	51-2	923	880	770	858	9.22	cps
Yttrium	89-1	5125134	5109857	5139526	5124839	0.29	cps
Yttrium	89-2	162215	160935	159849	161000	0.74	cps
Zinc	66-2	243	203	220	222	9.04	cps
Zirconium	90-1	292	500	408	400	26.10	cps

LB Number :	LB90416	Operator :	Jaswal
Lab Sample ID :	TUNE	Instrumnet Name :	P8
Client Sample ID :	TUNE	Dilution Factor :	1
Date & Time Acquired ::	2017-09-28 12:33:09	DataFile Name :	001SMPL_P8092817MS.

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	91-1	75	117	67	86	31.11	cps

LB Number :	LB90416	Operator :	Jaswal
Lab Sample ID :	S00	Instrumnet Name :	P8
Client Sample ID :	S00	Dilution Factor :	1
Date & Time Acquired ::	2017-09-28 12:53:26	DataFile Name :	003CALB_P8092817MS.

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	42	17	8	22	78.07	cps
Antimony	121-1	50	67	42	53	24.12	cps
Arsenic	75-2	9	6	13	9	39.96	cps
Barium	135-1	158	167	83	136	33.72	cps
Barium	137-1	258	175	192	208	21.17	cps
Beryllium	9-1	206	222	144	191	21.47	cps
Bismuth	209-1	4140321	4094540	4111084	4115315	0.56	cps
Bismuth	209-2	1125034	966228	1109091	1066784	8.20	cps
Boron	10-1	192	183	175	183	4.55	cps
Boron	11-1	525	642	550	572	10.73	cps
Cadmium	111-1	797	695	761	751	6.90	cps
Cadmium	106-1	1083	900	1008	997	9.24	cps
Cadmium	108-1	4	8	4	6	43.22	cps
Calcium	43-1	1892	1992	1775	1886	5.75	cps
Calcium	44-1	25900	25875	25842	25872	0.11	cps
Chromium	52-2	567	617	583	589	4.32	cps
Cobalt	59-2	270	267	323	287	11.09	cps
Copper	63-2	200	227	177	201	12.44	cps
Dysprosium	156-1	0	0	8	3	173.21	cps
Dysprosium	156-2	3	0	0	1	173.21	cps
Erbium	164-1	50	17	42	36	48.03	cps
Erbium	164-2	10	3	3	6	69.34	cps
Gadolinium	160-1	25	25	25	25	0.00	cps
Gadolinium	160-2	0	3	10	4	114.60	cps
Holmium	165-1	6316201	6379614	6374934	6356917	0.56	cps
Holmium	165-2	1393890	1205215	1366079	1321728	7.71	cps
Indium	115-1	5306838	5258804	5274392	5280011	0.46	cps
Indium	115-2	237808	202234	232520	224187	8.56	cps
Iron	56-2	1272	1222	1283	1259	2.59	cps
Iron	57-2	39	22	11	24	58.08	cps
Lead	206-1	606	733	694	678	9.66	cps
Lead	207-1	622	506	556	561	10.43	cps
Lead	208-1	2745	2667	2667	2693	1.67	cps
Lithium	6-1	841919	850922	855043	849295	0.79	cps
Magnesium	24-2	367	308	350	342	8.79	cps
Manganese	55-2	40	57	33	43	27.74	cps

LB Number :	LB90416	Operator :	Jaswal
Lab Sample ID :	S00	Instrumnet Name :	P8
Client Sample ID :	S00	Dilution Factor :	1
Date & Time Acquired ::	2017-09-28 12:53:26	DataFile Name :	003CALB_P8092817MS.

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Molybdenum	94-1	275	275	325	292	9.90	cps
Molybdenum	95-1	108	150	100	119	22.43	cps
Molybdenum	96-1	258	167	158	194	28.54	cps
Molybdenum	97-1	108	117	133	119	10.66	cps
Molybdenum	98-1	233	142	217	197	24.76	cps
Neodymium	150-1	7	20	7	11	69.25	cps
Neodymium	150-2	0	0	0	0	0.00	cps
Nickel	60-2	153	133	110	132	16.40	cps
Phosphorus	31-2	0	0	8	3	173.21	cps
Potassium	39-2	2684	2750	2825	2753	2.58	cps
Rhodium	103-1	4851431	4819580	4854950	4841987	0.40	cps
Rhodium	103-2	1274598	1100135	1253076	1209270	7.87	cps
Scandium	45-1	2949771	2992083	2953353	2965069	0.79	cps
Scandium	45-2	25193	21030	24251	23491	9.29	cps
Selenium	77-2	0	0	0	0	0.00	cps
Selenium	78-2	2	2	0	1	86.60	cps
Selenium	82-1	-15	-9	-74	-33	-110.19	cps
Silicon	28-1	471082	472599	470707	471463	0.21	cps
Silver	109-1	0	33	50	28	91.65	cps
Silver	107-1	33	33	33	33	0.00	cps
Sodium	23-2	9996	10046	9987	10009	0.32	cps
Strontium	86-1	725	875	942	847	13.10	cps
Strontium	88-1	200	217	175	197	10.63	cps
Sulfur	34-1	417847	413393	417069	416103	0.57	cps
Terbium	159-1	6491611	6549468	6573150	6538076	0.64	cps
Terbium	159-2	1345099	1152943	1308074	1268705	8.04	cps
Thallium	203-1	750	767	650	722	8.74	cps
Thallium	205-1	1525	1584	1467	1525	3.83	cps
Tin	118-1	658	467	483	536	19.80	cps
Titanium	47-1	133	100	217	150	40.06	cps
Uranium	238-1	1067	1075	917	1020	8.74	cps
Vanadium	51-2	40	23	20	28	38.58	cps
Yttrium	89-1	5432782	5384839	5368796	5395472	0.62	cps
Yttrium	89-2	172767	149488	169550	163935	7.70	cps
Zinc	66-2	17	30	23	23	28.56	cps
Zirconium	90-1	283	333	317	311	8.18	cps

LB Number :	LB90416	Operator :	Jaswal
Lab Sample ID :	S00	Instrumnet Name :	P8
Client Sample ID :	S00	Dilution Factor :	1
Date & Time Acquired ::	2017-09-28 12:53:26	DataFile Name :	003CALB_P8092817MS.

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	91-1	117	75	67	86	31.11	cps

LB Number :	LB90416	Operator :	Jaswal
Lab Sample ID :	S02	Instrumnet Name :	P8
Client Sample ID :	S02	Dilution Factor :	1
Date & Time Acquired ::	2017-09-28 13:00:30	DataFile Name :	005CAL5_P8092817MS.

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	125	100	117	114	11.18	cps
Antimony	121-1	15343	15068	14484	14965	2.93	cps
Arsenic	75-2	67	87	117	90	27.90	cps
Barium	135-1	16227	15910	15802	15980	1.38	cps
Barium	137-1	28089	27546	26795	27477	2.37	cps
Beryllium	9-1	1245	1122	1311	1226	7.81	cps
Bismuth	209-1	4147640	3802177	4117247	4022355	4.76	cps
Bismuth	209-2	1123559	1116630	1126211	1122133	0.44	cps
Boron	10-1	3034	3134	3109	3092	1.68	cps
Boron	11-1	13924	13874	14358	14052	1.89	cps
Cadmium	111-1	2361	2374	2341	2358	0.71	cps
Cadmium	106-1	1058	867	1225	1050	17.08	cps
Cadmium	108-1	163	113	96	124	28.07	cps
Calcium	43-1	9320	10129	9862	9770	4.22	cps
Calcium	44-1	151527	152605	148927	151019	1.25	cps
Chromium	52-2	1880	2020	2127	2009	6.16	cps
Cobalt	59-2	1770	1927	1887	1861	4.37	cps
Copper	63-2	2780	2770	2687	2746	1.87	cps
Dysprosium	156-1	25	0	17	14	91.65	cps
Dysprosium	156-2	0	0	3	1	173.21	cps
Erbium	164-1	42	33	42	39	12.38	cps
Erbium	164-2	10	7	3	7	50.03	cps
Gadolinium	160-1	75	67	8	50	72.66	cps
Gadolinium	160-2	3	10	7	7	50.03	cps
Holmium	165-1	6378304	5808676	6279008	6155329	4.94	cps
Holmium	165-2	1385193	1374859	1390991	1383681	0.59	cps
Indium	115-1	5257516	4826053	5190323	5091298	4.56	cps
Indium	115-2	233755	234526	233927	234069	0.17	cps
Iron	56-2	25118	24745	24756	24873	0.85	cps
Iron	57-2	672	661	600	644	6.03	cps
Lead	206-1	5562	5540	5140	5414	4.39	cps
Lead	207-1	4568	5046	4896	4836	5.05	cps
Lead	208-1	21313	21774	21736	21608	1.18	cps
Lithium	6-1	851090	782789	846950	826943	4.63	cps
Magnesium	24-2	13490	14007	13207	13568	2.99	cps
Manganese	55-2	287	267	240	264	8.85	cps

LB Number :	LB90416	Operator :	Jaswal
Lab Sample ID :	S02	Instrumnet Name :	P8
Client Sample ID :	S02	Dilution Factor :	1
Date & Time Acquired ::	2017-09-28 13:00:30	DataFile Name :	005CAL5_P8092817MS.

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Molybdenum	94-1	13015	12748	12523	12762	1.93	cps
Molybdenum	95-1	14925	15702	15668	15432	2.84	cps
Molybdenum	96-1	17387	17253	16402	17014	3.14	cps
Molybdenum	97-1	9996	10038	9454	9829	3.31	cps
Molybdenum	98-1	24507	25132	24582	24740	1.38	cps
Neodymium	150-1	7	7	7	7	0.00	cps
Neodymium	150-2	0	0	0	0	0.00	cps
Nickel	60-2	580	570	517	556	6.13	cps
Phosphorus	31-2	0	8	8	6	86.60	cps
Potassium	39-2	10229	10179	10154	10187	0.38	cps
Rhodium	103-1	4948140	4522801	4772943	4747961	4.50	cps
Rhodium	103-2	1270674	1263588	1256410	1263557	0.56	cps
Scandium	45-1	2983263	2692189	2889702	2855051	5.20	cps
Scandium	45-2	24622	24722	25196	24847	1.23	cps
Selenium	77-2	3	3	0	2	86.60	cps
Selenium	78-2	6	19	9	11	60.07	cps
Selenium	82-1	439	438	421	433	2.34	cps
Silicon	28-1	531464	527371	531433	530089	0.44	cps
Silver	109-1	7761	7744	7694	7733	0.45	cps
Silver	107-1	8170	7653	7803	7875	3.38	cps
Sodium	23-2	40475	40158	40066	40233	0.53	cps
Strontium	86-1	3009	3017	2859	2962	3.01	cps
Strontium	88-1	18789	16903	17646	17779	5.34	cps
Sulfur	34-1	414957	410258	413280	412832	0.58	cps
Terbium	159-1	6588206	6032023	6472663	6364297	4.61	cps
Terbium	159-2	1331457	1326541	1328259	1328753	0.19	cps
Thallium	203-1	6269	6218	6377	6288	1.29	cps
Thallium	205-1	15785	15302	15510	15532	1.56	cps
Tin	118-1	26043	26436	25475	25985	1.86	cps
Titanium	47-1	4359	3601	4009	3990	9.52	cps
Uranium	238-1	18890	18389	17446	18242	4.02	cps
Vanadium	51-2	2664	2617	2547	2609	2.25	cps
Yttrium	89-1	5437216	5046057	5396756	5293343	4.06	cps
Yttrium	89-2	171308	172621	171238	171722	0.45	cps
Zinc	66-2	277	293	243	271	9.39	cps
Zirconium	90-1	11305	11639	11680	11541	1.78	cps

LB Number :	LB90416	Operator :	Jaswal
Lab Sample ID :	S02	Instrumnet Name :	P8
Client Sample ID :	S02	Dilution Factor :	1
Date & Time Acquired ::	2017-09-28 13:00:30	DataFile Name :	005CALS_P8092817MS.

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	91-1	2767	2467	2450	2561	6.96	cps

LB Number :	LB90416	Operator :	Jaswal
Lab Sample ID :	S03	Instrumnet Name :	P8
Client Sample ID :	S03	Dilution Factor :	1
Date & Time Acquired ::	2017-09-28 13:04:01	DataFile Name :	006CAL5_P8092817MS.

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	5743	5918	5693	5785	2.04	cps
Antimony	121-1	407329	404960	409465	407251	0.55	cps
Arsenic	75-2	4630	4669	4877	4726	2.80	cps
Barium	135-1	438659	438349	433655	436888	0.64	cps
Barium	137-1	769884	758707	759461	762684	0.82	cps
Beryllium	9-1	57682	56706	56795	57061	0.95	cps
Bismuth	209-1	4158059	4127751	4108271	4131361	0.61	cps
Bismuth	209-2	1131124	1120898	1124275	1125432	0.46	cps
Boron	10-1	6969	7094	6719	6927	2.76	cps
Boron	11-1	31302	30951	32128	31460	1.92	cps
Cadmium	111-1	87283	88078	89294	88218	1.15	cps
Cadmium	106-1	10063	10046	10755	10288	3.93	cps
Cadmium	108-1	6160	6247	6489	6299	2.71	cps
Calcium	43-1	89334	89116	89375	89275	0.16	cps
Calcium	44-1	1458798	1457581	1435865	1450748	0.89	cps
Chromium	52-2	38493	37864	37440	37933	1.40	cps
Cobalt	59-2	80250	79227	79904	79793	0.65	cps
Copper	63-2	141340	141485	140431	141085	0.40	cps
Dysprosium	156-1	25	33	17	25	33.34	cps
Dysprosium	156-2	0	0	7	2	173.21	cps
Erbium	164-1	33	50	8	31	68.64	cps
Erbium	164-2	7	13	0	7	99.98	cps
Gadolinium	160-1	42	67	50	53	24.12	cps
Gadolinium	160-2	7	0	13	7	99.98	cps
Holmium	165-1	6375012	6417377	6328833	6373741	0.69	cps
Holmium	165-2	1399017	1393919	1395569	1396168	0.19	cps
Indium	115-1	5277502	5279688	5282787	5279992	0.05	cps
Indium	115-2	235550	236230	235138	235639	0.23	cps
Iron	56-2	1316535	1306116	1318982	1313878	0.52	cps
Iron	57-2	32511	33107	33262	32960	1.20	cps
Lead	206-1	247455	248015	246471	247314	0.32	cps
Lead	207-1	223203	222089	222472	222588	0.25	cps
Lead	208-1	1000711	999352	994140	998068	0.35	cps
Lithium	6-1	856162	867595	859596	861118	0.68	cps
Magnesium	24-2	145900	144157	145672	145243	0.65	cps
Manganese	55-2	21570	21290	21697	21519	0.97	cps

LB Number :	LB90416	Operator :	Jaswal
Lab Sample ID :	S03	Instrumnet Name :	P8
Client Sample ID :	S03	Dilution Factor :	1
Date & Time Acquired ::	2017-09-28 13:04:01	DataFile Name :	006CAL5_P8092817MS.

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Molybdenum	94-1	706209	700078	700510	702266	0.49	cps
Molybdenum	95-1	849586	852932	850132	850883	0.21	cps
Molybdenum	96-1	947004	946146	951751	948300	0.32	cps
Molybdenum	97-1	527925	533877	529711	530504	0.58	cps
Molybdenum	98-1	1366996	1369606	1359622	1365408	0.38	cps
Neodymium	150-1	27	20	47	31	44.61	cps
Neodymium	150-2	0	0	0	0	0.00	cps
Nickel	60-2	23413	24402	23911	23908	2.07	cps
Phosphorus	31-2	417	425	467	436	6.14	cps
Potassium	39-2	43819	42758	42515	43031	1.61	cps
Rhodium	103-1	4854059	4832214	4857456	4847910	0.28	cps
Rhodium	103-2	1269340	1266131	1262951	1266141	0.25	cps
Scandium	45-1	2959926	2990037	3000616	2983526	0.71	cps
Scandium	45-2	25143	24739	25076	24986	0.87	cps
Selenium	77-2	20	30	40	30	33.33	cps
Selenium	78-2	120	122	100	114	10.80	cps
Selenium	82-1	5278	5282	5225	5262	0.60	cps
Silicon	28-1	684291	684258	683461	684004	0.07	cps
Silver	109-1	404082	398880	398187	400383	0.80	cps
Silver	107-1	420519	417292	418409	418740	0.39	cps
Sodium	23-2	356449	352463	350857	353257	0.82	cps
Strontium	86-1	110192	109353	109822	109789	0.38	cps
Strontium	88-1	961562	963122	961546	962077	0.09	cps
Sulfur	34-1	443239	439197	443532	441989	0.55	cps
Terbium	159-1	6542194	6663423	6536890	6580836	1.09	cps
Terbium	159-2	1340212	1340191	1332462	1337622	0.33	cps
Thallium	203-1	301845	303547	301155	302182	0.41	cps
Thallium	205-1	726127	726725	717154	723335	0.74	cps
Tin	118-1	287616	286370	287671	287219	0.26	cps
Titanium	47-1	45709	45817	45567	45698	0.27	cps
Uranium	238-1	1002576	985946	1001256	996592	0.93	cps
Vanadium	51-2	27624	27844	27634	27701	0.45	cps
Yttrium	89-1	5410821	5483100	5468317	5454079	0.70	cps
Yttrium	89-2	172268	171936	171815	172006	0.14	cps
Zinc	66-2	13033	13053	12926	13004	0.52	cps
Zirconium	90-1	606747	600819	606104	604557	0.54	cps

LB Number :	LB90416	Operator :	Jaswal
Lab Sample ID :	S03	Instrumnet Name :	P8
Client Sample ID :	S03	Dilution Factor :	1
Date & Time Acquired ::	2017-09-28 13:04:01	DataFile Name :	006CALS_P8092817MS.

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	91-1	132438	134400	135570	134136	1.18	cps

LB Number : LB90416 Operator : Jaswal
 Lab Sample ID : S04 Instrumnet Name : P8
 Client Sample ID : S04 Dilution Factor : 1
 Date & Time Acquired :: 2017-09-28 13:07:32 DataFile Name : 007CAL5_P8092817MS.

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	12940	13332	13207	13159	1.52	cps
Antimony	121-1	1029746	1030201	980304	1013417	2.83	cps
Arsenic	75-2	10193	10890	10443	10508	3.36	cps
Barium	135-1	1102500	1111017	1037700	1083739	3.70	cps
Barium	137-1	1978862	1981937	1828075	1929625	4.56	cps
Beryllium	9-1	144703	144732	137135	142190	3.08	cps
Bismuth	209-1	4206560	4173809	3967920	4116096	3.14	cps
Bismuth	209-2	971490	1010504	977006	986333	2.14	cps
Boron	10-1	16994	16360	16410	16588	2.12	cps
Boron	11-1	78172	78338	76948	77819	0.98	cps
Cadmium	111-1	221723	220707	208538	216989	3.38	cps
Cadmium	106-1	23947	23421	22686	23352	2.71	cps
Cadmium	108-1	15438	15397	14900	15245	1.96	cps
Calcium	43-1	224783	221903	207497	218061	4.25	cps
Calcium	44-1	3621621	3572240	3422886	3538916	2.92	cps
Chromium	52-2	80248	85368	81747	82454	3.19	cps
Cobalt	59-2	173988	181989	174578	176852	2.52	cps
Copper	63-2	304756	317970	304742	309156	2.47	cps
Dysprosium	156-1	25	17	17	19	24.73	cps
Dysprosium	156-2	0	0	3	1	173.21	cps
Erbium	164-1	25	25	50	33	43.30	cps
Erbium	164-2	0	3	7	3	100.05	cps
Gadolinium	160-1	33	67	42	47	36.74	cps
Gadolinium	160-2	10	3	7	7	50.03	cps
Holmium	165-1	6516607	6452039	6008997	6325881	4.37	cps
Holmium	165-2	1212188	1253275	1210149	1225204	1.99	cps
Indium	115-1	5326662	5323426	4966234	5205441	3.98	cps
Indium	115-2	201411	210545	203294	205084	2.35	cps
Iron	56-2	2873204	3014539	2886979	2924908	2.66	cps
Iron	57-2	71734	74527	71411	72557	2.36	cps
Lead	206-1	619978	626178	589805	611987	3.18	cps
Lead	207-1	562624	558468	529591	550228	3.27	cps
Lead	208-1	2526289	2531291	2392580	2483386	3.17	cps
Lithium	6-1	872470	876106	826252	858276	3.24	cps
Magnesium	24-2	314364	328935	311074	318124	2.99	cps
Manganese	55-2	46106	48019	45464	46530	2.86	cps

LB Number : LB90416 Operator : Jaswal
 Lab Sample ID : S04 Instrumnet Name : P8
 Client Sample ID : S04 Dilution Factor : 1
 Date & Time Acquired :: 2017-09-28 13:07:32 DataFile Name : 007CAL5_P8092817MS.

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Molybdenum	94-1	1817590	1808826	1723224	1783214	2.92	cps
Molybdenum	95-1	2182298	2203220	2081205	2155574	3.03	cps
Molybdenum	96-1	2438123	2438658	2328771	2401851	2.64	cps
Molybdenum	97-1	1342217	1329457	1271604	1314426	2.86	cps
Molybdenum	98-1	3510731	3534912	3304221	3449955	3.68	cps
Neodymium	150-1	67	33	47	49	34.32	cps
Neodymium	150-2	3	0	0	1	173.21	cps
Nickel	60-2	51083	52659	50160	51301	2.46	cps
Phosphorus	31-2	992	933	825	917	9.23	cps
Potassium	39-2	90558	96757	89744	92353	4.15	cps
Rhodium	103-1	4909965	4872741	4584920	4789209	3.71	cps
Rhodium	103-2	1091364	1144359	1093378	1109700	2.71	cps
Scandium	45-1	3002769	2988207	2850441	2947139	2.85	cps
Scandium	45-2	22074	22802	21907	22261	2.14	cps
Selenium	77-2	40	93	100	78	42.28	cps
Selenium	78-2	224	259	281	255	11.35	cps
Selenium	82-1	13198	13600	12949	13249	2.48	cps
Silicon	28-1	877707	890501	852222	873477	2.23	cps
Silver	109-1	1005617	1013973	964288	994626	2.67	cps
Silver	107-1	1055587	1055017	1005870	1038825	2.75	cps
Sodium	23-2	760346	791206	753167	768240	2.63	cps
Strontium	86-1	279425	280465	263895	274595	3.38	cps
Strontium	88-1	2470676	2484508	2345340	2433508	3.15	cps
Sulfur	34-1	491914	497130	482078	490374	1.56	cps
Terbium	159-1	6752687	6666545	6292522	6570584	3.72	cps
Terbium	159-2	1152391	1209627	1159560	1173859	2.66	cps
Thallium	203-1	758223	773084	728110	753139	3.04	cps
Thallium	205-1	1877537	1865043	1747102	1829894	3.93	cps
Tin	118-1	724467	722637	691328	712811	2.61	cps
Titanium	47-1	115599	115868	109317	113595	3.26	cps
Uranium	238-1	2596906	2584527	2444834	2542089	3.32	cps
Vanadium	51-2	60246	63071	60222	61180	2.68	cps
Yttrium	89-1	5531455	5515346	5185701	5410834	3.61	cps
Yttrium	89-2	148625	154674	148439	150579	2.36	cps
Zinc	66-2	28085	29572	27748	28468	3.41	cps
Zirconium	90-1	1547832	1556837	1463340	1522669	3.39	cps

LB Number :	LB90416	Operator :	Jaswal
Lab Sample ID :	S04	Instrumnet Name :	P8
Client Sample ID :	S04	Dilution Factor :	1
Date & Time Acquired ::	2017-09-28 13:07:32	DataFile Name :	007CALS_P8092817MS.

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	91-1	338329	340531	323479	334113	2.78	cps

LB Number :	LB90416	Operator :	Jaswal
Lab Sample ID :	S05	Instrumnet Name :	P8
Client Sample ID :	S05	Dilution Factor :	1
Date & Time Acquired ::	2017-09-28 13:11:04	DataFile Name :	008CAL5_P8092817MS.

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	28830	29114	28939	28961	0.49	cps
Antimony	121-1	2097709	2120907	2106905	2108507	0.55	cps
Arsenic	75-2	23515	24147	23793	23818	1.33	cps
Barium	135-1	2253841	2261326	2286561	2267243	0.76	cps
Barium	137-1	3895125	3899672	3948997	3914598	0.76	cps
Beryllium	9-1	291813	290267	290136	290739	0.32	cps
Bismuth	209-1	4193264	4215824	4197644	4202244	0.28	cps
Bismuth	209-2	1102207	1109493	1118604	1110101	0.74	cps
Boron	10-1	33515	34969	34208	34231	2.12	cps
Boron	11-1	154760	157455	158256	156824	1.17	cps
Cadmium	111-1	438370	439561	441253	439728	0.33	cps
Cadmium	106-1	45804	46590	46230	46208	0.85	cps
Cadmium	108-1	31946	31992	31353	31764	1.12	cps
Calcium	43-1	445748	444110	442514	444124	0.36	cps
Calcium	44-1	7154634	7207429	7147364	7169809	0.46	cps
Chromium	52-2	185680	187228	185720	186209	0.47	cps
Cobalt	59-2	393496	397365	397170	396010	0.55	cps
Copper	63-2	697362	694932	694830	695708	0.21	cps
Dysprosium	156-1	42	50	42	44	10.82	cps
Dysprosium	156-2	3	10	0	4	114.60	cps
Erbium	164-1	50	58	17	42	52.91	cps
Erbium	164-2	7	7	3	6	34.70	cps
Gadolinium	160-1	92	75	92	86	11.18	cps
Gadolinium	160-2	17	10	13	13	25.01	cps
Holmium	165-1	6557298	6481502	6476536	6505112	0.70	cps
Holmium	165-2	1389116	1390242	1397113	1392157	0.31	cps
Indium	115-1	5311303	5319754	5328899	5319985	0.17	cps
Indium	115-2	228083	231688	232371	230714	1.00	cps
Iron	56-2	6523990	6499824	6488542	6504119	0.28	cps
Iron	57-2	162660	163520	162109	162763	0.44	cps
Lead	206-1	1260960	1260744	1264374	1262026	0.16	cps
Lead	207-1	1133257	1134269	1133935	1133820	0.05	cps
Lead	208-1	5185341	5223118	5187692	5198717	0.41	cps
Lithium	6-1	880714	880038	885201	881984	0.32	cps
Magnesium	24-2	725238	719966	718671	721292	0.48	cps
Manganese	55-2	107547	106448	105625	106540	0.90	cps

LB Number :	LB90416	Operator :	Jaswal
Lab Sample ID :	S05	Instrumnet Name :	P8
Client Sample ID :	S05	Dilution Factor :	1
Date & Time Acquired ::	2017-09-28 13:11:04	DataFile Name :	008CAL5_P8092817MS.

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Molybdenum	94-1	3641658	3589026	3597829	3609504	0.78	cps
Molybdenum	95-1	4379155	4405216	4405403	4396592	0.34	cps
Molybdenum	96-1	4859427	4839717	4915409	4871518	0.81	cps
Molybdenum	97-1	2718090	2723559	2741592	2727747	0.45	cps
Molybdenum	98-1	6987176	7022434	7047191	7018933	0.43	cps
Neodymium	150-1	80	100	80	87	13.33	cps
Neodymium	150-2	0	3	0	1	173.21	cps
Nickel	60-2	116135	115764	115621	115840	0.23	cps
Phosphorus	31-2	2275	2100	2017	2131	6.19	cps
Potassium	39-2	203026	206120	202605	203917	0.94	cps
Rhodium	103-1	4855578	4873806	4849872	4859752	0.26	cps
Rhodium	103-2	1245080	1249783	1259634	1251499	0.59	cps
Scandium	45-1	3019068	3036907	3037894	3031290	0.35	cps
Scandium	45-2	24956	24886	25373	25071	1.05	cps
Selenium	77-2	183	193	123	167	22.71	cps
Selenium	78-2	539	550	565	551	2.36	cps
Selenium	82-1	27065	26972	26982	27006	0.19	cps
Silicon	28-1	1278568	1294111	1292258	1288312	0.66	cps
Silver	109-1	2058296	2081119	2034133	2057849	1.14	cps
Silver	107-1	2153849	2162079	2165664	2160531	0.28	cps
Sodium	23-2	1732415	1742533	1737409	1737452	0.29	cps
Strontium	86-1	559581	565502	562598	562560	0.53	cps
Strontium	88-1	4907850	4908848	4890368	4902356	0.21	cps
Sulfur	34-1	572172	570317	569112	570534	0.27	cps
Terbium	159-1	6729135	6723329	6698413	6716959	0.24	cps
Terbium	159-2	1326981	1335860	1341980	1334940	0.56	cps
Thallium	203-1	1559049	1565194	1540214	1554819	0.84	cps
Thallium	205-1	3751995	3740739	3774756	3755830	0.46	cps
Tin	118-1	1468501	1466301	1464728	1466510	0.13	cps
Titanium	47-1	231341	231663	232754	231919	0.32	cps
Uranium	238-1	5164321	5197949	5236330	5199533	0.69	cps
Vanadium	51-2	140213	140038	140065	140105	0.07	cps
Yttrium	89-1	5513562	5528654	5494702	5512306	0.31	cps
Yttrium	89-2	169532	170469	170351	170117	0.30	cps
Zinc	66-2	62996	63153	62748	62965	0.32	cps
Zirconium	90-1	3121013	3133632	3107081	3120576	0.43	cps

LB Number :	LB90416	Operator :	Jaswal
Lab Sample ID :	S05	Instrumnet Name :	P8
Client Sample ID :	S05	Dilution Factor :	1
Date & Time Acquired ::	2017-09-28 13:11:04	DataFile Name :	008CALS_P8092817MS.

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	91-1	681780	688132	688350	686087	0.54	cps

LB Number :	LB90416	Operator :	Jaswal
Lab Sample ID :	S06	Instrumnet Name :	P8
Client Sample ID :	S06	Dilution Factor :	1
Date & Time Acquired ::	2017-09-28 13:14:23	DataFile Name :	009CAL5_P8092817MS.

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	56254	57585	57827	57222	1.48	cps
Antimony	121-1	4202701	4238395	4159695	4200264	0.94	cps
Arsenic	75-2	47059	46641	45997	46566	1.15	cps
Barium	135-1	4476083	4499944	4453892	4476640	0.51	cps
Barium	137-1	7729722	7756349	7694089	7726720	0.40	cps
Beryllium	9-1	574394	574793	573764	574317	0.09	cps
Bismuth	209-1	4237866	4260017	4247311	4248398	0.26	cps
Bismuth	209-2	1085672	1040963	1094105	1073580	2.66	cps
Boron	10-1	67518	70030	67979	68509	1.95	cps
Boron	11-1	312277	319648	315906	315944	1.17	cps
Cadmium	111-1	877607	874684	866056	872782	0.69	cps
Cadmium	106-1	89329	93205	88650	90394	2.72	cps
Cadmium	108-1	62665	62871	61703	62413	1.00	cps
Calcium	43-1	884086	882876	882685	883216	0.09	cps
Calcium	44-1	14239784	14359349	14207419	14268851	0.56	cps
Chromium	52-2	367024	367003	363419	365816	0.57	cps
Cobalt	59-2	778570	783970	778008	780183	0.42	cps
Copper	63-2	1365100	1370050	1357266	1364139	0.47	cps
Dysprosium	156-1	108	83	100	97	13.09	cps
Dysprosium	156-2	10	17	10	12	31.50	cps
Erbium	164-1	50	50	25	42	34.64	cps
Erbium	164-2	3	10	3	6	69.34	cps
Gadolinium	160-1	58	75	83	72	17.62	cps
Gadolinium	160-2	10	10	20	13	43.30	cps
Holmium	165-1	6557188	6513692	6552000	6540960	0.36	cps
Holmium	165-2	1372031	1303342	1379377	1351583	3.10	cps
Indium	115-1	5314995	5291101	5198561	5268219	1.17	cps
Indium	115-2	221006	211990	224499	219165	2.95	cps
Iron	56-2	12909516	12897787	12806538	12871280	0.44	cps
Iron	57-2	321874	323536	320118	321843	0.53	cps
Lead	206-1	2609161	2567600	2594936	2590566	0.82	cps
Lead	207-1	2326962	2350525	2342606	2340031	0.51	cps
Lead	208-1	10492945	10574833	10495319	10521032	0.44	cps
Lithium	6-1	883817	893484	898783	892028	0.85	cps
Magnesium	24-2	1432984	1414143	1416730	1421286	0.72	cps
Manganese	55-2	208769	210783	205861	208471	1.19	cps

LB Number :	LB90416	Operator :	Jaswal
Lab Sample ID :	S06	Instrumnet Name :	P8
Client Sample ID :	S06	Dilution Factor :	1
Date & Time Acquired ::	2017-09-28 13:14:23	DataFile Name :	009CAL5_P8092817MS.

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Molybdenum	94-1	7173767	7173073	7184262	7177034	0.09	cps
Molybdenum	95-1	8631784	8717769	8642398	8663983	0.54	cps
Molybdenum	96-1	9709894	9717299	9551598	9659597	0.97	cps
Molybdenum	97-1	5442056	5420723	5371638	5411472	0.67	cps
Molybdenum	98-1	13932025	14012201	13771862	13905363	0.88	cps
Neodymium	150-1	153	160	147	153	4.35	cps
Neodymium	150-2	3	7	0	3	100.05	cps
Nickel	60-2	227253	226217	226234	226568	0.26	cps
Phosphorus	31-2	4493	4493	4251	4412	3.16	cps
Potassium	39-2	399523	401447	396353	399108	0.64	cps
Rhodium	103-1	4776266	4806339	4775992	4786199	0.36	cps
Rhodium	103-2	1219460	1164591	1228963	1204338	2.89	cps
Scandium	45-1	3042652	3013221	2989799	3015224	0.88	cps
Scandium	45-2	24809	23951	24739	24499	1.94	cps
Selenium	77-2	347	363	257	322	17.81	cps
Selenium	78-2	1107	1052	1091	1083	2.63	cps
Selenium	82-1	53150	53275	53393	53273	0.23	cps
Silicon	28-1	2071199	2097485	2091464	2086716	0.66	cps
Silver	109-1	4069786	4086778	4008954	4055173	1.01	cps
Silver	107-1	4225942	4301346	4229316	4252201	1.00	cps
Sodium	23-2	3406222	3410643	3354830	3390565	0.92	cps
Strontium	86-1	1104287	1104399	1108923	1105870	0.24	cps
Strontium	88-1	9756894	9775111	9704469	9745491	0.38	cps
Sulfur	34-1	701622	706262	701918	703267	0.37	cps
Terbium	159-1	6769919	6682304	6717130	6723118	0.66	cps
Terbium	159-2	1314384	1252400	1316480	1294421	2.81	cps
Thallium	203-1	3189808	3154122	3141990	3161973	0.79	cps
Thallium	205-1	7425342	7425568	7391682	7414197	0.26	cps
Tin	118-1	2952628	2943421	2962170	2952740	0.32	cps
Titanium	47-1	462961	465637	460304	462967	0.58	cps
Uranium	238-1	10317899	10495813	10414660	10409457	0.86	cps
Vanadium	51-2	275625	277039	274638	275767	0.44	cps
Yttrium	89-1	5532113	5550863	5537934	5540303	0.17	cps
Yttrium	89-2	168191	155479	167756	163809	4.41	cps
Zinc	66-2	125296	124600	123729	124542	0.63	cps
Zirconium	90-1	6175146	6206747	6166689	6182861	0.34	cps

LB Number :	LB90416	Operator :	Jaswal
Lab Sample ID :	S06	Instrumnet Name :	P8
Client Sample ID :	S06	Dilution Factor :	1
Date & Time Acquired ::	2017-09-28 13:14:23	DataFile Name :	009CALS_P8092817MS.

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	91-1	1372075	1395344	1370104	1379174	1.02	cps

LB Number :	LB90416	Operator :	Jaswal
Lab Sample ID :	S07	Instrumnet Name :	P8
Client Sample ID :	S07	Dilution Factor :	1
Date & Time Acquired ::	2017-09-28 13:17:40	DataFile Name :	010CAL5_P8092817MS.

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	108722	110721	111444	110296	1.28	cps
Antimony	121-1	8226603	8310765	8235669	8257679	0.56	cps
Arsenic	75-2	89584	91088	89377	90016	1.04	cps
Barium	135-1	8818667	8880432	8877522	8858874	0.39	cps
Barium	137-1	15485898	15386230	15452084	15441404	0.33	cps
Beryllium	9-1	1163300	1144457	1154379	1154045	0.82	cps
Bismuth	209-1	4355514	4211565	4250139	4272406	1.74	cps
Bismuth	209-2	1065623	1072752	1080305	1072893	0.68	cps
Boron	10-1	135898	137369	137957	137075	0.77	cps
Boron	11-1	629384	642614	649355	640451	1.59	cps
Cadmium	111-1	1770878	1740835	1735383	1749032	1.09	cps
Cadmium	106-1	176340	177708	177114	177054	0.39	cps
Cadmium	108-1	123008	122504	123496	123003	0.40	cps
Calcium	43-1	1769348	1752454	1772449	1764751	0.61	cps
Calcium	44-1	28185245	28457810	28288675	28310577	0.49	cps
Chromium	52-2	703071	709621	707523	706738	0.47	cps
Cobalt	59-2	1532732	1522839	1533198	1529589	0.38	cps
Copper	63-2	2662178	2678292	2662240	2667570	0.35	cps
Dysprosium	156-1	158	75	133	122	34.99	cps
Dysprosium	156-2	23	17	13	18	28.64	cps
Erbium	164-1	33	33	83	50	57.75	cps
Erbium	164-2	7	7	7	7	0.00	cps
Gadolinium	160-1	125	167	167	153	15.75	cps
Gadolinium	160-2	30	33	23	29	17.63	cps
Holmium	165-1	6771243	6517438	6605971	6631550	1.94	cps
Holmium	165-2	1350147	1364241	1360774	1358387	0.54	cps
Indium	115-1	5270181	5090406	5190178	5183588	1.74	cps
Indium	115-2	211788	212922	212123	212278	0.27	cps
Iron	56-2	24820623	24694228	24959291	24824714	0.53	cps
Iron	57-2	629023	623383	627542	626649	0.47	cps
Lead	206-1	5132863	5114627	5148275	5131921	0.33	cps
Lead	207-1	4626599	4647633	4688242	4654158	0.67	cps
Lead	208-1	20913085	20889475	20835660	20879407	0.19	cps
Lithium	6-1	926963	886758	898256	903992	2.29	cps
Magnesium	24-2	2726795	2725554	2745617	2732655	0.41	cps
Manganese	55-2	401421	399705	401230	400785	0.23	cps

LB Number :	LB90416	Operator :	Jaswal
Lab Sample ID :	S07	Instrumnet Name :	P8
Client Sample ID :	S07	Dilution Factor :	1
Date & Time Acquired ::	2017-09-28 13:17:40	DataFile Name :	010CAL5_P8092817MS.

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Molybdenum	94-1	14207958	14379871	14168354	14252061	0.79	cps
Molybdenum	95-1	17397364	17323009	17148730	17289701	0.74	cps
Molybdenum	96-1	19081289	19262750	18999973	19114671	0.70	cps
Molybdenum	97-1	10727403	10740105	10611942	10693150	0.66	cps
Molybdenum	98-1	27660777	27934944	27616613	27737445	0.62	cps
Neodymium	150-1	313	333	380	342	10.00	cps
Neodymium	150-2	13	7	17	12	41.65	cps
Nickel	60-2	434939	435874	434982	435265	0.12	cps
Phosphorus	31-2	7694	8937	8428	8353	7.48	cps
Potassium	39-2	762279	760536	753691	758835	0.60	cps
Rhodium	103-1	4824208	4735444	4725771	4761808	1.14	cps
Rhodium	103-2	1192535	1200195	1191751	1194827	0.39	cps
Scandium	45-1	3088483	2950529	3019527	3019513	2.28	cps
Scandium	45-2	24221	24268	24338	24276	0.24	cps
Selenium	77-2	607	640	640	629	3.06	cps
Selenium	78-2	2080	1971	2052	2034	2.79	cps
Selenium	82-1	105472	104826	105052	105117	0.31	cps
Silicon	28-1	3525081	3566392	3564516	3551996	0.66	cps
Silver	109-1	7931501	7823477	7923292	7892757	0.76	cps
Silver	107-1	8308876	8246609	8201818	8252434	0.65	cps
Sodium	23-2	6510895	6506830	6455706	6491144	0.47	cps
Strontium	86-1	2219019	2254317	2226818	2233385	0.83	cps
Strontium	88-1	19212547	19365385	19118313	19232082	0.65	cps
Sulfur	34-1	966166	963209	961168	963514	0.26	cps
Terbium	159-1	6978382	6801624	6843642	6874549	1.34	cps
Terbium	159-2	1294041	1313294	1302020	1303118	0.74	cps
Thallium	203-1	6305220	6266379	6194070	6255223	0.90	cps
Thallium	205-1	14858390	14818615	14876900	14851302	0.20	cps
Tin	118-1	5842056	5803358	5788570	5811328	0.48	cps
Titanium	47-1	920548	916345	916466	917786	0.26	cps
Uranium	238-1	21231872	21210921	21291018	21244604	0.20	cps
Vanadium	51-2	534696	534603	532764	534021	0.20	cps
Yttrium	89-1	5570051	5408578	5447354	5475328	1.54	cps
Yttrium	89-2	163360	164389	164203	163984	0.33	cps
Zinc	66-2	239002	237072	238055	238043	0.41	cps
Zirconium	90-1	12198738	12240882	12206307	12215309	0.18	cps

LB Number :	LB90416	Operator :	Jaswal
Lab Sample ID :	S07	Instrumnet Name :	P8
Client Sample ID :	S07	Dilution Factor :	1
Date & Time Acquired ::	2017-09-28 13:17:40	DataFile Name :	010CALS_P8092817MS.

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	91-1	2797596	2764333	2766355	2776095	0.67	cps

LB Number :	LB90416	Operator :	Jaswal
Lab Sample ID :	S08	Instrumnet Name :	P8
Client Sample ID :	S08	Dilution Factor :	1
Date & Time Acquired ::	2017-09-28 13:20:52	DataFile Name :	011CAL5_P8092817MS.

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	502859	537143	533061	524354	3.57	cps
Antimony	121-1	9304	9470	9003	9259	2.56	cps
Arsenic	75-2	37	22	22	27	31.50	cps
Barium	135-1	2117	2000	2142	2086	3.63	cps
Barium	137-1	3401	3734	3884	3673	6.74	cps
Beryllium	9-1	895	811	783	830	6.97	cps
Bismuth	209-1	4012245	4048521	3803758	3954841	3.34	cps
Bismuth	209-2	931747	979888	986599	966078	3.10	cps
Boron	10-1	5276	5134	4376	4929	9.82	cps
Boron	11-1	25966	24104	21642	23904	9.07	cps
Cadmium	111-1	930	888	977	932	4.74	cps
Cadmium	106-1	1042	975	1042	1020	3.78	cps
Cadmium	108-1	17	33	33	28	34.63	cps
Calcium	43-1	8522448	8568041	8167571	8419353	2.60	cps
Calcium	44-1	137998361	139898611	133320182	137072385	2.47	cps
Chromium	52-2	7185	8002	7792	7660	5.54	cps
Cobalt	59-2	1427	1643	1717	1596	9.45	cps
Copper	63-2	2800	2697	2917	2805	3.92	cps
Dysprosium	156-1	83	50	50	61	31.50	cps
Dysprosium	156-2	13	7	20	13	49.99	cps
Erbium	164-1	42	75	83	67	33.07	cps
Erbium	164-2	17	10	0	9	94.38	cps
Gadolinium	160-1	150	83	192	142	38.57	cps
Gadolinium	160-2	37	27	33	32	15.80	cps
Holmium	165-1	6440012	6479750	6072568	6330777	3.55	cps
Holmium	165-2	1236025	1298106	1311816	1281983	3.15	cps
Indium	115-1	4988421	4954667	4680578	4874555	3.46	cps
Indium	115-2	193073	206379	205443	201631	3.68	cps
Iron	56-2	109516802	116287655	116365186	114056548	3.45	cps
Iron	57-2	2829053	3011216	2969631	2936633	3.25	cps
Lead	206-1	6052	6018	5874	5981	1.58	cps
Lead	207-1	5123	5085	4690	4966	4.83	cps
Lead	208-1	23470	23921	22453	23281	3.23	cps
Lithium	6-1	870827	886700	833020	863516	3.19	cps
Magnesium	24-2	12190401	12918542	12979957	12696300	3.46	cps
Manganese	55-2	1250	1220	1253	1241	1.48	cps

LB Number :	LB90416	Operator :	Jaswal
Lab Sample ID :	S08	Instrumnet Name :	P8
Client Sample ID :	S08	Dilution Factor :	1
Date & Time Acquired ::	2017-09-28 13:20:52	DataFile Name :	011CAL5_P8092817MS.

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Molybdenum	94-1	5518	5610	4901	5343	7.21	cps
Molybdenum	95-1	8995	7819	7402	8072	10.23	cps
Molybdenum	96-1	10763	10638	10121	10507	3.24	cps
Molybdenum	97-1	5326	4901	4868	5032	5.08	cps
Molybdenum	98-1	13449	13557	11672	12893	8.21	cps
Neodymium	150-1	73	107	107	96	20.14	cps
Neodymium	150-2	23	3	7	11	96.43	cps
Nickel	60-2	1947	2087	2197	2077	6.03	cps
Phosphorus	31-2	0	17	8	8	100.02	cps
Potassium	39-2	3372611	3605520	3619867	3532666	3.93	cps
Rhodium	103-1	4362372	4443668	4114867	4306969	3.98	cps
Rhodium	103-2	1053715	1106871	1113300	1091295	3.00	cps
Scandium	45-1	2845709	2856152	2688938	2796933	3.35	cps
Scandium	45-2	21373	22371	22902	22216	3.49	cps
Selenium	77-2	0	0	0	0	0.00	cps
Selenium	78-2	6	0	2	2	114.63	cps
Selenium	82-1	42	48	26	39	29.47	cps
Silicon	28-1	582298	585696	580163	582719	0.48	cps
Silver	109-1	650	558	492	567	14.03	cps
Silver	107-1	508	500	567	525	6.92	cps
Sodium	23-2	28704038	30523115	30675170	29967441	3.66	cps
Strontium	86-1	73523	74454	69436	72471	3.68	cps
Strontium	88-1	634018	637335	604157	625170	2.92	cps
Sulfur	34-1	410058	411310	403322	408230	1.05	cps
Terbium	159-1	6576289	6600539	6224693	6467174	3.25	cps
Terbium	159-2	1186450	1244240	1249349	1226679	2.85	cps
Thallium	203-1	3234	3009	2642	2962	10.09	cps
Thallium	205-1	7378	6919	6552	6949	5.95	cps
Tin	118-1	3209	3042	2900	3050	5.06	cps
Titanium	47-1	508	3402	625	1512	108.35	cps
Uranium	238-1	2242	2092	2142	2159	3.54	cps
Vanadium	51-2	167	117	127	137	19.36	cps
Yttrium	89-1	5218167	5243705	4957311	5139728	3.08	cps
Yttrium	89-2	147161	156361	158806	154109	3.98	cps
Zinc	66-2	497	470	477	481	2.88	cps
Zirconium	90-1	1642	2110	1550	1767	16.98	cps

LB Number :	LB90416	Operator :	Jaswal
Lab Sample ID :	S08	Instrumnet Name :	P8
Client Sample ID :	S08	Dilution Factor :	1
Date & Time Acquired ::	2017-09-28 13:20:52	DataFile Name :	011CALS_P8092817MS.

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	91-1	358	400	358	372	6.46	cps

LB Number : LB90416 Operator : Jaswal
 Lab Sample ID : ICV Instrumnet Name : P8
 Client Sample ID : ICV Dilution Factor : 1
 Date & Time Acquired :: 2017-09-28 13:33:50 DataFile Name : 014ICV_P8092817MS.D

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	2900	2950	2942	2931	0.91	cps
Antimony	121-1	1733143	1736511	1703720	1724458	1.05	cps
Arsenic	75-2	19086	19084	19011	19060	0.22	cps
Barium	135-1	175844	180946	177119	177970	1.49	cps
Barium	137-1	315995	314621	314623	315079	0.25	cps
Beryllium	9-1	119800	121996	120086	120627	0.99	cps
Bismuth	209-1	4380612	4448399	4391465	4406825	0.83	cps
Bismuth	209-2	1127935	1145313	1135751	1136333	0.77	cps
Boron	10-1	90812	92305	89747	90955	1.41	cps
Boron	11-1	416503	419834	415427	417255	0.55	cps
Cadmium	111-1	189248	187693	187520	188154	0.51	cps
Cadmium	106-1	30252	30260	30118	30210	0.26	cps
Cadmium	108-1	16915	17420	16794	17043	1.95	cps
Calcium	43-1	41136	40384	39975	40498	1.45	cps
Calcium	44-1	633259	630311	629898	631156	0.29	cps
Chromium	52-2	75412	74708	74664	74928	0.56	cps
Cobalt	59-2	164610	165043	163193	164282	0.59	cps
Copper	63-2	142579	141975	141781	142112	0.29	cps
Dysprosium	156-1	17	0	8	8	100.02	cps
Dysprosium	156-2	3	0	3	2	86.60	cps
Erbium	164-1	50	25	58	44	39.04	cps
Erbium	164-2	7	10	10	9	21.63	cps
Gadolinium	160-1	33	67	33	44	43.30	cps
Gadolinium	160-2	20	3	3	9	108.30	cps
Holmium	165-1	6667546	6661272	6594620	6641146	0.61	cps
Holmium	165-2	1392735	1413925	1388672	1398444	0.97	cps
Indium	115-1	5415491	5380269	5283633	5359797	1.27	cps
Indium	115-2	228134	229663	226148	227982	0.77	cps
Iron	56-2	514673	506654	506837	509388	0.90	cps
Iron	57-2	13362	12606	13001	12990	2.91	cps
Lead	206-1	1095071	1096379	1091383	1094277	0.24	cps
Lead	207-1	954494	944867	944394	947918	0.60	cps
Lead	208-1	4426148	4449402	4442874	4439475	0.27	cps
Lithium	6-1	924507	945713	937382	935867	1.14	cps
Magnesium	24-2	34326	35261	35295	34961	1.57	cps
Manganese	55-2	21684	21524	20889	21365	1.97	cps

LB Number :	LB90416	Operator :	Jaswal
Lab Sample ID :	ICV	Instrumnet Name :	P8
Client Sample ID :	ICV	Dilution Factor :	1
Date & Time Acquired ::	2017-09-28 13:33:50	DataFile Name :	014ICV_P8092817MS.D

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Molybdenum	94-1	3514141	3503519	3467828	3495163	0.69	cps
Molybdenum	95-1	1903633	1917941	1914831	1912135	0.39	cps
Molybdenum	96-1	2451280	2411859	2413790	2425643	0.92	cps
Molybdenum	97-1	1152279	1148462	1146877	1149206	0.24	cps
Molybdenum	98-1	3069064	3044357	2998904	3037442	1.17	cps
Neodymium	150-1	7	27	20	18	57.27	cps
Neodymium	150-2	0	0	3	1	173.21	cps
Nickel	60-2	48916	48732	48554	48734	0.37	cps
Phosphorus	31-2	8	8	8	8	0.00	cps
Potassium	39-2	34067	33825	34151	34014	0.50	cps
Rhodium	103-1	4965787	4973361	4912676	4950608	0.67	cps
Rhodium	103-2	1284451	1295569	1273544	1284521	0.86	cps
Scandium	45-1	3040915	3021179	3027400	3029831	0.33	cps
Scandium	45-2	25530	25924	25096	25517	1.62	cps
Selenium	77-2	133	147	167	149	11.27	cps
Selenium	78-2	444	374	452	423	10.14	cps
Selenium	82-1	22278	22542	22399	22406	0.59	cps
Silicon	28-1	1999277	2035085	1998910	2011091	1.03	cps
Silver	109-1	843164	844495	831524	839728	0.85	cps
Silver	107-1	892753	884837	880314	885968	0.71	cps
Sodium	23-2	146134	146177	144224	145512	0.77	cps
Strontium	86-1	1189829	1194902	1180358	1188363	0.62	cps
Strontium	88-1	10454636	10450150	10356098	10420295	0.53	cps
Sulfur	34-1	397537	401480	397667	398895	0.56	cps
Terbium	159-1	6811795	6817449	6780822	6803355	0.29	cps
Terbium	159-2	1336815	1357271	1330749	1341612	1.04	cps
Thallium	203-1	1371765	1359213	1347775	1359584	0.88	cps
Thallium	205-1	3334299	3320230	3263381	3305970	1.14	cps
Tin	118-1	3215286	3224007	3171482	3203592	0.88	cps
Titanium	47-1	495447	488837	489362	491216	0.75	cps
Uranium	238-1	11955799	12073049	11907998	11978949	0.71	cps
Vanadium	51-2	56386	55888	56293	56189	0.47	cps
Yttrium	89-1	5538712	5614938	5554132	5569260	0.72	cps
Yttrium	89-2	169584	173037	168778	170466	1.33	cps
Zinc	66-2	25430	25510	26125	25688	1.48	cps
Zirconium	90-1	6524166	6525401	6556828	6535465	0.28	cps

LB Number :	LB90416	Operator :	Jaswal
Lab Sample ID :	ICV	Instrumnet Name :	P8
Client Sample ID :	ICV	Dilution Factor :	1
Date & Time Acquired ::	2017-09-28 13:33:50	DataFile Name :	014ICV_P8092817MS.D

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	91-1	1481944	1474050	1486739	1480911	0.43	cps

LB Number :	LB90416	Operator :	Jaswal
Lab Sample ID :	ICB	Instrumnet Name :	P8
Client Sample ID :	ICB	Dilution Factor :	1
Date & Time Acquired ::	2017-09-28 13:37:59	DataFile Name :	015CCBE_P8092817MS

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	33	0	33	22	86.60	cps
Antimony	121-1	1283	1033	817	1045	22.36	cps
Arsenic	75-2	13	0	4	6	120.21	cps
Barium	135-1	100	50	92	81	33.26	cps
Barium	137-1	183	83	117	128	39.85	cps
Beryllium	9-1	317	294	306	306	3.64	cps
Bismuth	209-1	4135090	4240754	3604944	3993596	8.53	cps
Bismuth	209-2	887107	924030	1062649	957929	9.66	cps
Boron	10-1	1867	1875	1825	1856	1.44	cps
Boron	11-1	9195	9278	8003	8825	8.09	cps
Cadmium	111-1	650	721	637	669	6.79	cps
Cadmium	106-1	917	975	825	906	8.35	cps
Cadmium	108-1	13	4	4	7	69.23	cps
Calcium	43-1	1717	1583	1742	1681	5.07	cps
Calcium	44-1	26392	26134	25265	25930	2.28	cps
Chromium	52-2	487	530	553	523	6.46	cps
Cobalt	59-2	317	277	273	289	8.35	cps
Copper	63-2	160	193	210	188	13.56	cps
Dysprosium	156-1	17	8	0	8	100.02	cps
Dysprosium	156-2	0	0	0	0	0.00	cps
Erbium	164-1	0	33	33	22	86.60	cps
Erbium	164-2	13	3	0	6	124.93	cps
Gadolinium	160-1	42	67	25	44	47.19	cps
Gadolinium	160-2	3	0	3	2	86.60	cps
Holmium	165-1	6235489	6285293	5404486	5975089	8.28	cps
Holmium	165-2	1087467	1132255	1308766	1176163	9.95	cps
Indium	115-1	5113570	5199549	4398322	4903814	8.97	cps
Indium	115-2	181482	187948	217961	195797	9.94	cps
Iron	56-2	1556	1717	1583	1619	5.32	cps
Iron	57-2	72	67	22	54	51.03	cps
Lead	206-1	817	906	895	872	5.55	cps
Lead	207-1	717	800	733	750	5.88	cps
Lead	208-1	3306	3467	3089	3287	5.77	cps
Lithium	6-1	863224	874777	767145	835049	7.08	cps
Magnesium	24-2	325	292	342	319	7.97	cps
Manganese	55-2	53	33	37	41	26.06	cps

LB Number :	LB90416	Operator :	Jaswal
Lab Sample ID :	ICB	Instrumnet Name :	P8
Client Sample ID :	ICB	Dilution Factor :	1
Date & Time Acquired ::	2017-09-28 13:37:59	DataFile Name :	015CCBE_P8092817MS

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Molybdenum	94-1	642	383	350	458	34.83	cps
Molybdenum	95-1	683	658	458	600	20.55	cps
Molybdenum	96-1	700	733	483	639	21.25	cps
Molybdenum	97-1	450	283	308	347	25.89	cps
Molybdenum	98-1	883	1025	692	867	19.30	cps
Neodymium	150-1	7	13	13	11	34.61	cps
Neodymium	150-2	0	0	0	0	0.00	cps
Nickel	60-2	110	163	183	152	24.90	cps
Phosphorus	31-2	8	17	8	11	43.34	cps
Potassium	39-2	2792	2609	2950	2784	6.14	cps
Rhodium	103-1	4741172	4730497	4007950	4493206	9.35	cps
Rhodium	103-2	1002928	1047084	1205629	1085214	9.82	cps
Scandium	45-1	2871165	2827011	2485527	2727901	7.74	cps
Scandium	45-2	19283	20408	23183	20958	9.58	cps
Selenium	77-2	0	0	0	0	0.00	cps
Selenium	78-2	0	4	4	2	86.60	cps
Selenium	82-1	-39	-46	-85	-57	-44.21	cps
Silicon	28-1	455495	442017	432255	443255	2.63	cps
Silver	109-1	167	142	75	128	37.09	cps
Silver	107-1	217	175	92	161	39.51	cps
Sodium	23-2	11272	11163	12272	11569	5.29	cps
Strontium	86-1	1100	942	875	972	11.89	cps
Strontium	88-1	200	108	125	144	33.80	cps
Sulfur	34-1	397865	401840	396037	398581	0.74	cps
Terbium	159-1	6398908	6448784	5556251	6134648	8.18	cps
Terbium	159-2	1040468	1088241	1256309	1128340	10.05	cps
Thallium	203-1	983	1117	1100	1067	6.81	cps
Thallium	205-1	2375	2750	2600	2575	7.33	cps
Tin	118-1	2150	2434	1792	2125	15.13	cps
Titanium	47-1	192	108	167	156	27.49	cps
Uranium	238-1	992	975	708	892	17.83	cps
Vanadium	51-2	17	20	10	16	32.73	cps
Yttrium	89-1	5215416	5228325	4499755	4981165	8.37	cps
Yttrium	89-2	132095	138422	158372	142963	9.59	cps
Zinc	66-2	27	33	20	27	24.99	cps
Zirconium	90-1	417	550	475	481	13.91	cps

LB Number :	LB90416	Operator :	Jaswal
Lab Sample ID :	ICB	Instrumnet Name :	P8
Client Sample ID :	ICB	Dilution Factor :	1
Date & Time Acquired ::	2017-09-28 13:37:59	DataFile Name :	015CCBE_P8092817MS

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	91-1	42	125	58	75	58.79	cps

LB Number :	LB90416	Operator :	Jaswal
Lab Sample ID :	ICSA	Instrumnet Name :	P8
Client Sample ID :	ICSA	Dilution Factor :	1
Date & Time Acquired ::	2017-09-28 13:52:54	DataFile Name :	018ICSA_P8092817MS.I

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	523686	524847	523070	523868	0.17	cps
Antimony	121-1	9696	9646	9654	9665	0.28	cps
Arsenic	75-2	30	41	43	38	18.62	cps
Barium	135-1	2550	2934	2892	2792	7.53	cps
Barium	137-1	4634	4676	4818	4709	2.04	cps
Beryllium	9-1	522	550	517	530	3.37	cps
Bismuth	209-1	4249345	4356320	4322739	4309468	1.27	cps
Bismuth	209-2	1111001	1114818	1097398	1107739	0.83	cps
Boron	10-1	1100	1083	1192	1125	5.18	cps
Boron	11-1	5435	5501	5326	5421	1.63	cps
Cadmium	111-1	1170	1131	1217	1173	3.65	cps
Cadmium	106-1	1008	1075	842	975	12.33	cps
Cadmium	108-1	879	888	800	856	5.65	cps
Calcium	43-1	1757057	1766983	1757287	1760442	0.32	cps
Calcium	44-1	28283906	28242033	27932616	28152852	0.68	cps
Chromium	52-2	15025	15465	15335	15275	1.48	cps
Cobalt	59-2	1950	2024	1964	1979	1.97	cps
Copper	63-2	10594	10461	10881	10645	2.02	cps
Dysprosium	156-1	50	33	67	50	33.34	cps
Dysprosium	156-2	13	3	13	10	57.75	cps
Erbium	164-1	92	67	42	67	37.50	cps
Erbium	164-2	7	10	7	8	24.71	cps
Gadolinium	160-1	92	33	67	64	45.81	cps
Gadolinium	160-2	7	13	10	10	33.30	cps
Holmium	165-1	6714988	6974313	6733699	6807667	2.12	cps
Holmium	165-2	1423300	1436381	1409479	1423053	0.95	cps
Indium	115-1	5400279	5560578	5319011	5426622	2.27	cps
Indium	115-2	231795	232088	228638	230840	0.83	cps
Iron	56-2	49505409	48960832	48886830	49117690	0.69	cps
Iron	57-2	1237663	1229017	1229324	1232002	0.40	cps
Lead	206-1	26990	26333	26122	26482	1.71	cps
Lead	207-1	21546	21714	20973	21411	1.81	cps
Lead	208-1	101810	100361	98963	100378	1.42	cps
Lithium	6-1	897618	916637	901980	905412	1.10	cps
Magnesium	24-2	2769641	2730078	2688865	2729528	1.48	cps
Manganese	55-2	1697	1570	1693	1653	4.37	cps

LB Number :	LB90416	Operator :	Jaswal
Lab Sample ID :	ICSA	Instrumnet Name :	P8
Client Sample ID :	ICSA	Dilution Factor :	1
Date & Time Acquired ::	2017-09-28 13:52:54	DataFile Name :	018ICSA_P8092817MS.I

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Molybdenum	94-1	3822726	3774124	3781039	3792629	0.69	cps
Molybdenum	95-1	6668310	6725137	6671418	6688289	0.48	cps
Molybdenum	96-1	7118069	7035506	7109664	7087746	0.64	cps
Molybdenum	97-1	4195642	4152601	4154910	4167718	0.58	cps
Molybdenum	98-1	10751854	10663310	10693914	10703026	0.42	cps
Neodymium	150-1	47	60	33	47	28.58	cps
Neodymium	150-2	13	0	13	9	86.60	cps
Nickel	60-2	2554	2554	2514	2540	0.91	cps
Phosphorus	31-2	40952	40776	39723	40484	1.64	cps
Potassium	39-2	1542365	1543920	1521794	1536026	0.80	cps
Rhodium	103-1	4824377	4945081	4888014	4885824	1.24	cps
Rhodium	103-2	1270767	1258860	1242737	1257455	1.12	cps
Scandium	45-1	3034388	3192222	3065240	3097283	2.70	cps
Scandium	45-2	25463	25827	25387	25559	0.92	cps
Selenium	77-2	0	0	0	0	0.00	cps
Selenium	78-2	0	2	2	1	86.60	cps
Selenium	82-1	14	-189	61	-38	-349.26	cps
Silicon	28-1	538064	533384	534770	535406	0.45	cps
Silver	109-1	625	608	617	617	1.35	cps
Silver	107-1	675	775	658	703	8.98	cps
Sodium	23-2	6488937	6466355	6387191	6447494	0.83	cps
Strontium	86-1	75367	75501	73741	74870	1.31	cps
Strontium	88-1	648404	647260	643843	646502	0.37	cps
Sulfur	34-1	2346082	2338051	2333036	2339056	0.28	cps
Terbium	159-1	6880868	7153962	6986633	7007154	1.97	cps
Terbium	159-2	1373470	1371661	1346989	1364040	1.08	cps
Thallium	203-1	1450	1409	1559	1472	5.26	cps
Thallium	205-1	3309	3526	3067	3301	6.95	cps
Tin	118-1	1642	1425	1500	1522	7.23	cps
Titanium	47-1	1813019	1821551	1800970	1811846	0.57	cps
Uranium	238-1	842	725	717	761	9.18	cps
Vanadium	51-2	107	103	80	97	15.03	cps
Yttrium	89-1	5669244	5793287	5645011	5702514	1.39	cps
Yttrium	89-2	175262	174130	170361	173251	1.48	cps
Zinc	66-2	1443	1377	1440	1420	2.65	cps
Zirconium	90-1	950	867	783	867	9.62	cps

LB Number :	LB90416	Operator :	Jaswal
Lab Sample ID :	ICSA	Instrumnet Name :	P8
Client Sample ID :	ICSA	Dilution Factor :	1
Date & Time Acquired ::	2017-09-28 13:52:54	DataFile Name :	018ICSA_P8092817MS.I

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	91-1	208	192	167	189	11.11	cps

LB Number :	LB90416	Operator :	Jaswal
Lab Sample ID :	ICSAB	Instrumnet Name :	P8
Client Sample ID :	ICSAB	Dilution Factor :	1
Date & Time Acquired ::	2017-09-28 13:56:01	DataFile Name :	019ICSB_P8092817MS.I

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	516591	518244	518939	517925	0.23	cps
Antimony	121-1	170481	171537	172433	171483	0.57	cps
Arsenic	75-2	1808	1758	1876	1814	3.28	cps
Barium	135-1	36953	37161	36300	36805	1.22	cps
Barium	137-1	66367	65990	63596	65318	2.30	cps
Beryllium	9-1	23748	23308	23514	23523	0.93	cps
Bismuth	209-1	4299361	4395207	4276729	4323766	1.45	cps
Bismuth	209-2	1111458	1096390	1101738	1103195	0.69	cps
Boron	10-1	967	1075	1117	1053	7.36	cps
Boron	11-1	4693	4951	4609	4751	3.75	cps
Cadmium	111-1	35034	35338	34911	35094	0.63	cps
Cadmium	106-1	3859	3951	3651	3820	4.03	cps
Cadmium	108-1	3171	2925	3067	3055	4.04	cps
Calcium	43-1	1724078	1772037	1739803	1745306	1.40	cps
Calcium	44-1	28039987	28034269	27704304	27926187	0.69	cps
Chromium	52-2	29795	29341	29134	29423	1.15	cps
Cobalt	59-2	32785	33601	32866	33084	1.36	cps
Copper	63-2	36909	37628	37497	37345	1.03	cps
Dysprosium	156-1	42	50	17	36	48.03	cps
Dysprosium	156-2	7	10	10	9	21.63	cps
Erbium	164-1	58	33	58	50	28.86	cps
Erbium	164-2	13	10	0	8	89.21	cps
Gadolinium	160-1	67	42	100	69	42.14	cps
Gadolinium	160-2	13	17	17	16	12.40	cps
Holmium	165-1	6772285	6833250	6677267	6760934	1.16	cps
Holmium	165-2	1429136	1419607	1412770	1420504	0.58	cps
Indium	115-1	5362263	5542019	5481459	5461914	1.67	cps
Indium	115-2	232160	231397	230824	231460	0.29	cps
Iron	56-2	48714112	48726237	48410350	48616900	0.37	cps
Iron	57-2	1216671	1221062	1215876	1217870	0.23	cps
Lead	206-1	129162	128336	127628	128375	0.60	cps
Lead	207-1	107305	107137	106981	107141	0.15	cps
Lead	208-1	499329	496206	495703	497079	0.40	cps
Lithium	6-1	886613	908461	880893	891989	1.63	cps
Magnesium	24-2	2729407	2695409	2713923	2712913	0.63	cps
Manganese	55-2	5578	5771	5825	5725	2.27	cps

LB Number :	LB90416	Operator :	Jaswal
Lab Sample ID :	ICSAB	Instrumnet Name :	P8
Client Sample ID :	ICSAB	Dilution Factor :	1
Date & Time Acquired ::	2017-09-28 13:56:01	DataFile Name :	019ICSB_P8092817MS.I

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Molybdenum	94-1	3755178	3771404	3738031	3754871	0.44	cps
Molybdenum	95-1	6515871	6595188	6622571	6577877	0.84	cps
Molybdenum	96-1	7050573	7037921	7006420	7031638	0.32	cps
Molybdenum	97-1	4111878	4115178	4138551	4121869	0.35	cps
Molybdenum	98-1	10524261	10443579	10561982	10509941	0.58	cps
Neodymium	150-1	33	53	13	33	60.02	cps
Neodymium	150-2	7	0	7	4	86.60	cps
Nickel	60-2	11605	11755	11698	11686	0.65	cps
Phosphorus	31-2	40091	40417	40743	40417	0.81	cps
Potassium	39-2	1524006	1530040	1554280	1536109	1.04	cps
Rhodium	103-1	4809493	4929174	4876559	4871742	1.23	cps
Rhodium	103-2	1266043	1248885	1254734	1256554	0.69	cps
Scandium	45-1	3046805	3153404	3079087	3093099	1.77	cps
Scandium	45-2	25627	25814	25169	25537	1.30	cps
Selenium	77-2	17	23	7	16	53.90	cps
Selenium	78-2	50	31	46	43	23.01	cps
Selenium	82-1	2116	2130	2115	2120	0.40	cps
Silicon	28-1	538311	548777	541734	542941	0.98	cps
Silver	109-1	150576	152126	152404	151702	0.65	cps
Silver	107-1	158184	159290	157849	158441	0.48	cps
Sodium	23-2	6445835	6370220	6291485	6369180	1.21	cps
Strontium	86-1	73331	73908	73288	73509	0.47	cps
Strontium	88-1	642209	631678	638377	637421	0.84	cps
Sulfur	34-1	2318975	2301337	2305177	2308496	0.40	cps
Terbium	159-1	6924294	7117728	6984614	7008879	1.41	cps
Terbium	159-2	1358238	1351574	1356448	1355420	0.25	cps
Thallium	203-1	127561	126801	125026	126463	1.03	cps
Thallium	205-1	300091	306770	299366	302076	1.35	cps
Tin	118-1	1350	1492	1433	1425	5.00	cps
Titanium	47-1	1796380	1776574	1773436	1782130	0.70	cps
Uranium	238-1	717	967	717	800	18.04	cps
Vanadium	51-2	10431	10924	11105	10820	3.22	cps
Yttrium	89-1	5677797	5725195	5695031	5699341	0.42	cps
Yttrium	89-2	176743	173938	172113	174264	1.34	cps
Zinc	66-2	3857	4014	4037	3970	2.47	cps
Zirconium	90-1	758	808	750	772	4.09	cps

LB Number :	LB90416	Operator :	Jaswal
Lab Sample ID :	ICSAB	Instrumnet Name :	P8
Client Sample ID :	ICSAB	Dilution Factor :	1
Date & Time Acquired ::	2017-09-28 13:56:01	DataFile Name :	019ICSB_P8092817MS.I

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	91-1	158	183	175	172	7.39	cps

LB Number :	LB90416	Operator :	Jaswal
Lab Sample ID :	CCV073	Instrumnet Name :	P8
Client Sample ID :	CCV073	Dilution Factor :	1
Date & Time Acquired ::	2017-09-28 13:59:09	DataFile Name :	020CCV_P8092817MS.E

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	280568	277719	281432	279906	0.69	cps
Antimony	121-1	4122722	4141682	4147489	4137298	0.31	cps
Arsenic	75-2	45019	45335	45350	45235	0.41	cps
Barium	135-1	4421787	4455972	4478163	4451974	0.64	cps
Barium	137-1	7755982	7716430	7701114	7724509	0.37	cps
Beryllium	9-1	568041	563404	564607	565351	0.43	cps
Bismuth	209-1	4193710	4195346	4138327	4175794	0.78	cps
Bismuth	209-2	1057584	1050269	1011296	1039716	2.39	cps
Boron	10-1	67794	69351	69100	68748	1.22	cps
Boron	11-1	309676	313423	314368	312489	0.79	cps
Cadmium	111-1	848405	841841	839024	843090	0.57	cps
Cadmium	106-1	87911	87650	86142	87234	1.09	cps
Cadmium	108-1	60276	60472	59908	60219	0.48	cps
Calcium	43-1	4291020	4319135	4337079	4315745	0.54	cps
Calcium	44-1	69405397	70031402	69835652	69757484	0.46	cps
Chromium	52-2	361920	359671	358442	360011	0.49	cps
Cobalt	59-2	753024	749861	750411	751098	0.22	cps
Copper	63-2	1303849	1292063	1293523	1296478	0.50	cps
Dysprosium	156-1	50	133	100	94	44.41	cps
Dysprosium	156-2	3	13	30	16	86.63	cps
Erbium	164-1	50	50	25	42	34.64	cps
Erbium	164-2	3	3	7	4	43.40	cps
Gadolinium	160-1	75	67	42	61	28.38	cps
Gadolinium	160-2	23	7	13	14	58.06	cps
Holmium	165-1	6689438	6672977	6705622	6689346	0.24	cps
Holmium	165-2	1381325	1363149	1318994	1354489	2.37	cps
Indium	115-1	5169631	5240966	5220079	5210225	0.70	cps
Indium	115-2	217661	214703	207458	213274	2.46	cps
Iron	56-2	60081939	60181712	59713636	59992429	0.41	cps
Iron	57-2	1557451	1526300	1536272	1540008	1.03	cps
Lead	206-1	2577764	2573200	2565198	2572054	0.25	cps
Lead	207-1	2328539	2336484	2311009	2325344	0.56	cps
Lead	208-1	10478669	10445771	10418029	10447489	0.29	cps
Lithium	6-1	867496	872921	872305	870907	0.34	cps
Magnesium	24-2	6749976	6674056	6656583	6693539	0.74	cps
Manganese	55-2	202549	202045	203185	202593	0.28	cps

LB Number :	LB90416	Operator :	Jaswal
Lab Sample ID :	CCV073	Instrumnet Name :	P8
Client Sample ID :	CCV073	Dilution Factor :	1
Date & Time Acquired ::	2017-09-28 13:59:09	DataFile Name :	020CCV_P8092817MS.E

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Molybdenum	94-1	7140854	7107442	7170686	7139660	0.44	cps
Molybdenum	95-1	8610409	8649569	8583795	8614591	0.38	cps
Molybdenum	96-1	9658733	9605087	9598711	9620844	0.34	cps
Molybdenum	97-1	5459563	5383151	5419197	5420637	0.71	cps
Molybdenum	98-1	13872943	13985310	13806019	13888091	0.65	cps
Neodymium	150-1	193	213	247	218	12.37	cps
Neodymium	150-2	7	7	7	7	0.00	cps
Nickel	60-2	218706	215077	215419	216401	0.93	cps
Phosphorus	31-2	4001	4092	4117	4070	1.51	cps
Potassium	39-2	1941958	1930306	1939779	1937348	0.32	cps
Rhodium	103-1	4673810	4714411	4678905	4689042	0.47	cps
Rhodium	103-2	1199189	1185780	1143090	1176020	2.49	cps
Scandium	45-1	2979211	3044039	3003918	3009056	1.09	cps
Scandium	45-2	24542	24462	23580	24194	2.21	cps
Selenium	77-2	267	373	317	319	16.74	cps
Selenium	78-2	1000	985	1070	1019	4.47	cps
Selenium	82-1	52501	52247	52251	52333	0.28	cps
Silicon	28-1	1962965	1983404	1972150	1972839	0.52	cps
Silver	109-1	3964406	3958167	3901295	3941290	0.88	cps
Silver	107-1	4056715	4067617	4129292	4084541	0.96	cps
Sodium	23-2	16058513	15904700	16037927	16000380	0.52	cps
Strontium	86-1	1119404	1127394	1131348	1126049	0.54	cps
Strontium	88-1	9853385	9918493	9868225	9880034	0.35	cps
Sulfur	34-1	634860	644867	644749	641492	0.90	cps
Terbium	159-1	6881916	6834430	6766045	6827464	0.85	cps
Terbium	159-2	1323438	1312821	1264457	1300239	2.42	cps
Thallium	203-1	3140982	3143840	3143354	3142725	0.05	cps
Thallium	205-1	7423383	7348713	7352156	7374751	0.57	cps
Tin	118-1	2918389	2930014	2958802	2935735	0.71	cps
Titanium	47-1	452602	457081	455685	455123	0.50	cps
Uranium	238-1	10652103	10703659	10659728	10671830	0.26	cps
Vanadium	51-2	272665	270299	270341	271102	0.50	cps
Yttrium	89-1	5486678	5506923	5482830	5492144	0.24	cps
Yttrium	89-2	166052	165228	159871	163717	2.05	cps
Zinc	66-2	119633	118908	118289	118943	0.57	cps
Zirconium	90-1	6103970	6184502	6098389	6128954	0.79	cps

LB Number :	LB90416	Operator :	Jaswal
Lab Sample ID :	CCV073	Instrumnet Name :	P8
Client Sample ID :	CCV073	Dilution Factor :	1
Date & Time Acquired ::	2017-09-28 13:59:09	DataFile Name :	020CCV_P8092817MS.C

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	91-1	1367471	1400122	1368262	1378618	1.35	cps

LB Number :	LB90416	Operator :	Jaswal
Lab Sample ID :	CCB073	Instrumnet Name :	P8
Client Sample ID :	CCB073	Dilution Factor :	1
Date & Time Acquired ::	2017-09-28 14:02:13	DataFile Name :	021CCBE_P8092817MS

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	8	25	0	11	114.58	cps
Antimony	121-1	2500	2384	2309	2398	4.03	cps
Arsenic	75-2	4	7	9	7	41.70	cps
Barium	135-1	83	133	108	108	23.08	cps
Barium	137-1	125	50	75	83	45.83	cps
Beryllium	9-1	461	394	439	432	7.87	cps
Bismuth	209-1	4418982	4334614	4300215	4351270	1.40	cps
Bismuth	209-2	1105283	1108197	1116352	1109944	0.52	cps
Boron	10-1	2442	2384	2234	2353	4.57	cps
Boron	11-1	11972	10346	10354	10891	8.60	cps
Cadmium	111-1	730	787	726	748	4.53	cps
Cadmium	106-1	917	1033	983	978	5.99	cps
Cadmium	108-1	17	17	29	21	34.64	cps
Calcium	43-1	1825	1458	1417	1567	14.34	cps
Calcium	44-1	27269	27511	27520	27433	0.52	cps
Chromium	52-2	570	620	570	587	4.92	cps
Cobalt	59-2	157	183	150	163	10.80	cps
Copper	63-2	220	210	203	211	3.97	cps
Dysprosium	156-1	17	17	8	14	34.67	cps
Dysprosium	156-2	0	3	0	1	173.21	cps
Erbium	164-1	50	42	42	44	10.82	cps
Erbium	164-2	3	0	0	1	173.21	cps
Gadolinium	160-1	50	42	67	53	24.12	cps
Gadolinium	160-2	17	10	7	11	45.82	cps
Holmium	165-1	6613652	6594654	6446652	6551653	1.40	cps
Holmium	165-2	1359587	1361128	1373421	1364712	0.56	cps
Indium	115-1	5500676	5380560	5327114	5402783	1.65	cps
Indium	115-2	226293	226944	228923	227387	0.60	cps
Iron	56-2	3328	3545	3350	3408	3.50	cps
Iron	57-2	83	83	89	85	3.76	cps
Lead	206-1	1589	1600	1545	1578	1.86	cps
Lead	207-1	1383	1395	1389	1389	0.40	cps
Lead	208-1	6190	6340	6212	6247	1.30	cps
Lithium	6-1	913559	897583	881469	897537	1.79	cps
Magnesium	24-2	308	275	358	314	13.36	cps
Manganese	55-2	57	40	23	40	41.68	cps

LB Number :	LB90416	Operator :	Jaswal
Lab Sample ID :	CCB073	Instrumnet Name :	P8
Client Sample ID :	CCB073	Dilution Factor :	1
Date & Time Acquired ::	2017-09-28 14:02:13	DataFile Name :	021CCBE_P8092817MS

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Molybdenum	94-1	1584	1433	1267	1428	11.10	cps
Molybdenum	95-1	2267	2092	1817	2059	11.02	cps
Molybdenum	96-1	2350	2367	2059	2259	7.68	cps
Molybdenum	97-1	1584	1158	1050	1264	22.31	cps
Molybdenum	98-1	3651	3067	2825	3181	13.34	cps
Neodymium	150-1	7	13	20	13	49.99	cps
Neodymium	150-2	0	0	0	0	0.00	cps
Nickel	60-2	133	110	103	116	13.63	cps
Phosphorus	31-2	8	8	17	11	43.34	cps
Potassium	39-2	3142	3242	3109	3164	2.19	cps
Rhodium	103-1	5019277	4978329	4913098	4970235	1.08	cps
Rhodium	103-2	1260597	1262251	1263893	1262247	0.13	cps
Scandium	45-1	3032822	3001101	2998514	3010812	0.63	cps
Scandium	45-2	24528	24305	24615	24483	0.65	cps
Selenium	77-2	0	3	3	2	86.60	cps
Selenium	78-2	2	2	7	4	86.68	cps
Selenium	82-1	-15	-97	27	-28	-223.49	cps
Silicon	28-1	442809	441878	440558	441748	0.26	cps
Silver	109-1	367	292	333	331	11.37	cps
Silver	107-1	383	392	400	392	2.13	cps
Sodium	23-2	14141	13799	13023	13654	4.19	cps
Strontium	86-1	958	1033	1000	997	3.77	cps
Strontium	88-1	217	142	175	178	21.14	cps
Sulfur	34-1	383274	383889	381687	382950	0.30	cps
Terbium	159-1	6896955	6811588	6713310	6807284	1.35	cps
Terbium	159-2	1308829	1312042	1319364	1313412	0.41	cps
Thallium	203-1	2042	1834	1700	1859	9.27	cps
Thallium	205-1	4609	4434	3959	4334	7.76	cps
Tin	118-1	1425	1225	1150	1267	11.22	cps
Titanium	47-1	208	275	167	217	25.22	cps
Uranium	238-1	400	383	558	447	21.60	cps
Vanadium	51-2	7	17	10	11	45.82	cps
Yttrium	89-1	5603634	5554312	5448271	5535405	1.43	cps
Yttrium	89-2	168151	167540	168457	168049	0.28	cps
Zinc	66-2	47	33	33	38	20.39	cps
Zirconium	90-1	675	442	550	556	21.02	cps

LB Number :	LB90416	Operator :	Jaswal
Lab Sample ID :	CCB073	Instrumnet Name :	P8
Client Sample ID :	CCB073	Dilution Factor :	1
Date & Time Acquired ::	2017-09-28 14:02:13	DataFile Name :	021CCBE_P8092817MS

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	91-1	192	167	158	172	10.07	cps

LB Number :	LB90416	Operator :	Jaswal
Lab Sample ID :	CRI	Instrumnet Name :	P8
Client Sample ID :	CRI	Dilution Factor :	1
Date & Time Acquired ::	2017-09-28 14:05:24	DataFile Name :	022SMPL_P8092817MS.

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	183	50	83	106	65.74	cps
Antimony	121-1	16336	16669	15143	16049	5.00	cps
Arsenic	75-2	102	115	80	99	18.02	cps
Barium	135-1	16077	15810	15193	15693	2.89	cps
Barium	137-1	27822	29041	26143	27669	5.26	cps
Beryllium	9-1	1439	1333	1322	1365	4.72	cps
Bismuth	209-1	4236904	4283648	3950161	4156904	4.34	cps
Bismuth	209-2	1081612	1094751	1092388	1089583	0.64	cps
Boron	10-1	4017	4443	3909	4123	6.84	cps
Boron	11-1	18462	19748	19481	19230	3.53	cps
Cadmium	111-1	2461	2346	2103	2304	7.94	cps
Cadmium	106-1	1267	1100	1083	1150	8.82	cps
Cadmium	108-1	150	129	163	147	11.44	cps
Calcium	43-1	9279	9028	9195	9167	1.39	cps
Calcium	44-1	155847	154729	145517	152031	3.73	cps
Chromium	52-2	2010	1997	1910	1972	2.75	cps
Cobalt	59-2	1650	1587	1573	1603	2.55	cps
Copper	63-2	2807	2930	2964	2900	2.85	cps
Dysprosium	156-1	8	25	25	19	49.50	cps
Dysprosium	156-2	0	0	0	0	0.00	cps
Erbium	164-1	33	17	50	33	50.00	cps
Erbium	164-2	10	7	3	7	50.03	cps
Gadolinium	160-1	75	33	33	47	50.95	cps
Gadolinium	160-2	13	13	0	9	86.60	cps
Holmium	165-1	6424327	6544119	6112805	6360417	3.50	cps
Holmium	165-2	1344171	1365082	1362418	1357224	0.84	cps
Indium	115-1	5255716	5377294	4960609	5197873	4.12	cps
Indium	115-2	226312	229582	227992	227962	0.72	cps
Iron	56-2	25123	26197	26325	25882	2.55	cps
Iron	57-2	689	717	689	698	2.30	cps
Lead	206-1	10888	10627	10121	10545	3.70	cps
Lead	207-1	9710	9576	9243	9509	2.53	cps
Lead	208-1	42807	43280	41094	42394	2.71	cps
Lithium	6-1	866788	916176	830888	871284	4.91	cps
Magnesium	24-2	12556	13891	13382	13276	5.07	cps
Manganese	55-2	273	240	217	243	11.70	cps

LB Number :	LB90416	Operator :	Jaswal
Lab Sample ID :	CRI	Instrumnet Name :	P8
Client Sample ID :	CRI	Dilution Factor :	1
Date & Time Acquired ::	2017-09-28 14:05:24	DataFile Name :	022SMPL_P8092817MS.

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Molybdenum	94-1	12715	13499	11555	12590	7.77	cps
Molybdenum	95-1	15635	15843	14584	15354	4.40	cps
Molybdenum	96-1	17545	18505	16069	17373	7.06	cps
Molybdenum	97-1	10137	9612	9420	9723	3.82	cps
Molybdenum	98-1	25342	26243	24039	25208	4.40	cps
Neodymium	150-1	7	20	13	13	49.99	cps
Neodymium	150-2	0	0	0	0	0.00	cps
Nickel	60-2	550	567	520	546	4.33	cps
Phosphorus	31-2	0	0	8	3	173.21	cps
Potassium	39-2	10279	10546	9737	10187	4.05	cps
Rhodium	103-1	4856718	4906959	4547009	4770229	4.09	cps
Rhodium	103-2	1244168	1257279	1262314	1254587	0.75	cps
Scandium	45-1	2948751	3022353	2798746	2923283	3.90	cps
Scandium	45-2	24051	24498	24351	24300	0.94	cps
Selenium	77-2	3	3	0	2	86.60	cps
Selenium	78-2	11	19	13	14	27.17	cps
Selenium	82-1	617	493	412	507	20.42	cps
Silicon	28-1	470953	463667	464554	466392	0.85	cps
Silver	109-1	10271	10313	8953	9846	7.85	cps
Silver	107-1	10213	10897	9737	10282	5.67	cps
Sodium	23-2	42757	43041	44094	43298	1.63	cps
Strontium	86-1	2950	2950	2867	2923	1.65	cps
Strontium	88-1	18188	18171	16377	17579	5.92	cps
Sulfur	34-1	378475	380211	378158	378948	0.29	cps
Terbium	159-1	6652466	6754334	6264473	6557091	3.94	cps
Terbium	159-2	1295714	1308740	1319649	1308034	0.92	cps
Thallium	203-1	7444	6811	6769	7008	5.40	cps
Thallium	205-1	17438	17304	16061	16934	4.48	cps
Tin	118-1	26594	27463	24206	26088	6.46	cps
Titanium	47-1	4426	4443	4143	4337	3.89	cps
Uranium	238-1	19533	19324	17822	18893	4.94	cps
Vanadium	51-2	2754	2567	2797	2706	4.52	cps
Yttrium	89-1	5425783	5462914	5074088	5320928	4.03	cps
Yttrium	89-2	164780	166197	166339	165772	0.52	cps
Zinc	66-2	297	317	297	303	3.81	cps
Zirconium	90-1	11188	11338	10254	10927	5.38	cps

LB Number :	LB90416	Operator :	Jaswal
Lab Sample ID :	CRI	Instrumnet Name :	P8
Client Sample ID :	CRI	Dilution Factor :	1
Date & Time Acquired ::	2017-09-28 14:05:24	DataFile Name :	022SMPL_P8092817MS.

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	91-1	2392	2334	2417	2381	1.80	cps

LB Number :	LB90416	Operator :	Jaswal
Lab Sample ID :	PB102344BL	Instrumnet Name :	P8
Client Sample ID :	PBW007	Dilution Factor :	1
Date & Time Acquired ::	2017-09-28 14:08:36	DataFile Name :	023CCBE_P8092817MS

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	17	17	33	22	43.30	cps
Antimony	121-1	417	400	408	408	2.04	cps
Arsenic	75-2	11	4	4	6	69.34	cps
Barium	135-1	25	25	83	44	75.78	cps
Barium	137-1	67	100	92	86	20.15	cps
Beryllium	9-1	294	172	244	237	25.92	cps
Bismuth	209-1	4258922	4367738	4293514	4306725	1.29	cps
Bismuth	209-2	1110624	1082832	1087588	1093681	1.36	cps
Boron	10-1	1025	1175	1083	1095	6.91	cps
Boron	11-1	5301	4884	5276	5154	4.54	cps
Cadmium	111-1	653	803	701	719	10.68	cps
Cadmium	106-1	883	1108	933	975	12.12	cps
Cadmium	108-1	4	8	21	11	78.05	cps
Calcium	43-1	1525	1725	1575	1609	6.47	cps
Calcium	44-1	26860	27553	27403	27272	1.34	cps
Chromium	52-2	463	523	597	528	12.65	cps
Cobalt	59-2	167	167	180	171	4.50	cps
Copper	63-2	193	190	190	191	1.01	cps
Dysprosium	156-1	25	8	17	17	50.01	cps
Dysprosium	156-2	0	0	3	1	173.21	cps
Erbium	164-1	25	17	8	17	50.01	cps
Erbium	164-2	10	3	13	9	57.30	cps
Gadolinium	160-1	58	8	42	36	70.51	cps
Gadolinium	160-2	3	3	10	6	69.34	cps
Holmium	165-1	6467103	6579734	6509502	6518779	0.87	cps
Holmium	165-2	1370782	1339045	1342103	1350643	1.30	cps
Indium	115-1	5246667	5447997	5359526	5351397	1.89	cps
Indium	115-2	230316	223086	224668	226023	1.68	cps
Iron	56-2	2478	2461	2589	2510	2.77	cps
Iron	57-2	67	72	83	74	11.46	cps
Lead	206-1	1845	1650	1650	1715	6.55	cps
Lead	207-1	1461	1428	1495	1461	2.28	cps
Lead	208-1	7057	6606	6895	6853	3.33	cps
Lithium	6-1	885565	882123	876510	881400	0.52	cps
Magnesium	24-2	417	450	408	425	5.19	cps
Manganese	55-2	50	20	40	37	41.66	cps

LB Number :	LB90416	Operator :	Jaswal
Lab Sample ID :	PB102344BL	Instrumnet Name :	P8
Client Sample ID :	PBW007	Dilution Factor :	1
Date & Time Acquired ::	2017-09-28 14:08:36	DataFile Name :	023CCBE_P8092817MS

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Molybdenum	94-1	517	392	317	408	24.74	cps
Molybdenum	95-1	542	450	475	489	9.69	cps
Molybdenum	96-1	500	542	592	544	8.43	cps
Molybdenum	97-1	242	358	225	275	26.42	cps
Molybdenum	98-1	508	783	633	642	21.46	cps
Neodymium	150-1	27	7	20	18	57.27	cps
Neodymium	150-2	0	0	0	0	0.00	cps
Nickel	60-2	153	123	150	142	11.56	cps
Phosphorus	31-2	0	0	0	0	0.00	cps
Potassium	39-2	3326	2792	2575	2898	13.32	cps
Rhodium	103-1	4840516	4937201	4954289	4910669	1.25	cps
Rhodium	103-2	1267812	1230542	1236948	1245100	1.60	cps
Scandium	45-1	2953279	2989484	2945551	2962771	0.79	cps
Scandium	45-2	24164	24084	23971	24073	0.40	cps
Selenium	77-2	0	3	0	1	173.21	cps
Selenium	78-2	0	0	2	1	173.21	cps
Selenium	82-1	-11	-103	-72	-62	-74.96	cps
Silicon	28-1	434995	442060	430496	435850	1.34	cps
Silver	109-1	225	208	142	192	23.01	cps
Silver	107-1	217	242	175	211	15.95	cps
Sodium	23-2	11263	11547	11430	11413	1.25	cps
Strontium	86-1	942	900	967	936	3.60	cps
Strontium	88-1	233	208	125	189	30.03	cps
Sulfur	34-1	382395	388555	382131	384361	0.95	cps
Terbium	159-1	6705081	6778432	6723754	6735756	0.57	cps
Terbium	159-2	1314261	1286333	1289380	1296658	1.18	cps
Thallium	203-1	1025	1192	1133	1117	7.57	cps
Thallium	205-1	2734	2742	2600	2692	2.95	cps
Tin	118-1	1125	1092	1017	1078	5.15	cps
Titanium	47-1	200	175	200	192	7.53	cps
Uranium	238-1	408	375	358	381	6.69	cps
Vanadium	51-2	17	7	10	11	45.82	cps
Yttrium	89-1	5485571	5481415	5491353	5486113	0.09	cps
Yttrium	89-2	168430	160804	163296	164177	2.37	cps
Zinc	66-2	73	67	53	64	15.81	cps
Zirconium	90-1	475	467	417	453	6.97	cps

LB Number :	LB90416	Operator :	Jaswal
Lab Sample ID :	PB102344BL	Instrumnet Name :	P8
Client Sample ID :	PBW007	Dilution Factor :	1
Date & Time Acquired ::	2017-09-28 14:08:36	DataFile Name :	023CCBE_P8092817MS

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	91-1	50	117	83	83	40.00	cps

LB Number : LB90416 Operator : Jaswal
 Lab Sample ID : PB102344BS Instrumnet Name : P8
 Client Sample ID : LCS007 Dilution Factor : 1
 Date & Time Acquired :: 2017-09-28 14:40:53 DataFile Name : 031LCSE_P8092817MS.

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	250	317	275	281	12.00	cps
Antimony	121-1	33234	33752	32875	33287	1.32	cps
Arsenic	75-2	211	231	222	222	4.60	cps
Barium	135-1	35490	34320	34688	34833	1.72	cps
Barium	137-1	60606	62121	59995	60908	1.80	cps
Beryllium	9-1	2467	2411	2334	2404	2.79	cps
Bismuth	209-1	4508775	4493194	4411305	4471092	1.17	cps
Bismuth	209-2	1171616	1178663	1177522	1175934	0.32	cps
Boron	10-1	7027	6860	7377	7088	3.72	cps
Boron	11-1	32513	33014	34401	33309	2.94	cps
Cadmium	111-1	4452	4344	4419	4405	1.26	cps
Cadmium	106-1	1275	1358	1433	1356	5.84	cps
Cadmium	108-1	279	267	300	282	5.97	cps
Calcium	43-1	19255	19573	18379	19069	3.24	cps
Calcium	44-1	306940	303679	299979	303533	1.15	cps
Chromium	52-2	3881	3567	3681	3709	4.28	cps
Cobalt	59-2	3617	3360	3347	3442	4.42	cps
Copper	63-2	5671	5688	5791	5717	1.14	cps
Dysprosium	156-1	8	8	8	8	0.00	cps
Dysprosium	156-2	3	0	0	1	173.21	cps
Erbium	164-1	33	75	42	50	44.10	cps
Erbium	164-2	17	7	17	13	43.29	cps
Gadolinium	160-1	58	42	25	42	40.00	cps
Gadolinium	160-2	7	0	3	3	100.05	cps
Holmium	165-1	6909413	6856494	6692487	6819465	1.66	cps
Holmium	165-2	1451121	1449121	1456367	1452203	0.26	cps
Indium	115-1	5663148	5588939	5568651	5606912	0.89	cps
Indium	115-2	244090	243248	244041	243793	0.19	cps
Iron	56-2	200514	201028	201529	201024	0.25	cps
Iron	57-2	5040	5196	5157	5131	1.58	cps
Lead	206-1	11150	11239	10849	11079	1.84	cps
Lead	207-1	9754	10160	10110	10008	2.21	cps
Lead	208-1	44855	45004	44231	44697	0.92	cps
Lithium	6-1	928064	932110	908693	922956	1.36	cps
Magnesium	24-2	27912	28029	28179	28040	0.48	cps
Manganese	55-2	413	503	480	466	10.03	cps

LB Number :	LB90416	Operator :	Jaswal
Lab Sample ID :	PB102344BS	Instrumnet Name :	P8
Client Sample ID :	LCS007	Dilution Factor :	1
Date & Time Acquired ::	2017-09-28 14:40:53	DataFile Name :	031LCSE_P8092817MS.

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Molybdenum	94-1	46958	46606	46907	46824	0.41	cps
Molybdenum	95-1	68231	68239	66839	67770	1.19	cps
Molybdenum	96-1	74647	73986	70977	73203	2.67	cps
Molybdenum	97-1	42551	41289	41105	41648	1.89	cps
Molybdenum	98-1	107600	110842	106894	108445	1.94	cps
Neodymium	150-1	13	20	27	20	33.35	cps
Neodymium	150-2	0	0	0	0	0.00	cps
Nickel	60-2	1233	1227	1250	1237	0.97	cps
Phosphorus	31-2	25	17	8	17	50.01	cps
Potassium	39-2	17929	18371	17829	18043	1.60	cps
Rhodium	103-1	5229368	5127408	5056903	5137893	1.69	cps
Rhodium	103-2	1330732	1331679	1330056	1330822	0.06	cps
Scandium	45-1	3183975	3152060	3073691	3136575	1.81	cps
Scandium	45-2	26144	26121	26088	26118	0.11	cps
Selenium	77-2	10	7	17	11	45.82	cps
Selenium	78-2	33	37	19	30	33.07	cps
Selenium	82-1	1159	1029	1053	1081	6.39	cps
Silicon	28-1	519048	511016	511785	513950	0.86	cps
Silver	109-1	17203	16703	17120	17009	1.58	cps
Silver	107-1	17570	17495	17612	17559	0.34	cps
Sodium	23-2	77855	75032	76389	76425	1.85	cps
Strontium	86-1	5343	5235	5526	5368	2.75	cps
Strontium	88-1	39467	41029	38380	39625	3.36	cps
Sulfur	34-1	409524	407801	409282	408869	0.23	cps
Terbium	159-1	7170408	6974890	6925909	7023736	1.84	cps
Terbium	159-2	1394146	1382467	1403439	1393351	0.75	cps
Thallium	203-1	13908	13883	13525	13772	1.56	cps
Thallium	205-1	33570	31816	31808	32398	3.13	cps
Tin	118-1	57566	54813	55307	55895	2.63	cps
Titanium	47-1	9028	9087	8703	8939	2.31	cps
Uranium	238-1	39765	40409	38987	39720	1.79	cps
Vanadium	51-2	5418	5518	5174	5370	3.29	cps
Yttrium	89-1	5801172	5786927	5700833	5762977	0.94	cps
Yttrium	89-2	176493	177055	177601	177050	0.31	cps
Zinc	66-2	603	607	583	598	2.11	cps
Zirconium	90-1	24381	23880	23880	24047	1.20	cps

LB Number :	LB90416	Operator :	Jaswal
Lab Sample ID :	PB102344BS	Instrumnet Name :	P8
Client Sample ID :	LCS007	Dilution Factor :	1
Date & Time Acquired ::	2017-09-28 14:40:53	DataFile Name :	031LCSE_P8092817MS.

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	91-1	5260	5260	5310	5276	0.55	cps

LB Number : LB90416 Operator : Jaswal
 Lab Sample ID : I5241-01 Instrumnet Name : P8
 Client Sample ID : MC0AA1 Dilution Factor : 1
 Date & Time Acquired :: 2017-09-28 14:44:05 DataFile Name : 032SMPL_P8092817MS.

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	42	100	92	78	40.56	cps
Antimony	121-1	1000	950	1150	1033	10.07	cps
Arsenic	75-2	13	19	7	13	42.85	cps
Barium	135-1	184899	186859	179966	183908	1.93	cps
Barium	137-1	325271	325221	317696	322730	1.35	cps
Beryllium	9-1	178	133	161	157	14.26	cps
Bismuth	209-1	4549623	4572893	4445247	4522588	1.50	cps
Bismuth	209-2	1168046	1173655	1177773	1173158	0.42	cps
Boron	10-1	15392	15709	15234	15445	1.57	cps
Boron	11-1	70490	72249	72575	71771	1.56	cps
Cadmium	111-1	764	717	539	674	17.62	cps
Cadmium	106-1	1058	1017	733	936	18.89	cps
Cadmium	108-1	8	4	17	10	65.47	cps
Calcium	43-1	2208013	2203873	2174846	2195577	0.82	cps
Calcium	44-1	35493765	35515567	34687298	35232210	1.34	cps
Chromium	52-2	450	510	503	488	6.74	cps
Cobalt	59-2	1710	1727	1610	1682	3.75	cps
Copper	63-2	2040	2154	2030	2075	3.30	cps
Dysprosium	156-1	42	25	33	33	25.01	cps
Dysprosium	156-2	7	7	7	7	0.00	cps
Erbium	164-1	92	75	108	92	18.18	cps
Erbium	164-2	7	10	10	9	21.63	cps
Gadolinium	160-1	75	33	33	47	50.95	cps
Gadolinium	160-2	13	17	10	13	25.01	cps
Holmium	165-1	7089992	7069064	6894249	7017768	1.53	cps
Holmium	165-2	1472503	1466213	1469326	1469347	0.21	cps
Indium	115-1	5714169	5738364	5675353	5709295	0.56	cps
Indium	115-2	245051	242290	242581	243307	0.62	cps
Iron	56-2	1231058	1217973	1217830	1222287	0.62	cps
Iron	57-2	30968	30311	30579	30619	1.08	cps
Lead	206-1	2323	2261	2128	2237	4.45	cps
Lead	207-1	2122	1978	1761	1954	9.30	cps
Lead	208-1	9513	9029	8257	8933	7.09	cps
Lithium	6-1	962973	949471	934359	948934	1.51	cps
Magnesium	24-2	681336	675024	670884	675748	0.78	cps
Manganese	55-2	637960	629763	633494	633739	0.65	cps

LB Number :	LB90416	Operator :	Jaswal
Lab Sample ID :	I5241-01	Instrumnet Name :	P8
Client Sample ID :	MC0AA1	Dilution Factor :	1
Date & Time Acquired ::	2017-09-28 14:44:05	DataFile Name :	032SMPL_P8092817MS.

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Molybdenum	94-1	1892	1900	2059	1950	4.82	cps
Molybdenum	95-1	2434	2609	2500	2514	3.51	cps
Molybdenum	96-1	2959	2792	2700	2817	4.65	cps
Molybdenum	97-1	1600	1525	1417	1514	6.09	cps
Molybdenum	98-1	3509	3926	3676	3703	5.67	cps
Neodymium	150-1	20	60	47	42	48.24	cps
Neodymium	150-2	0	3	0	1	173.21	cps
Nickel	60-2	2517	2520	2384	2474	3.15	cps
Phosphorus	31-2	8	17	25	17	50.01	cps
Potassium	39-2	38863	38554	36732	38050	3.03	cps
Rhodium	103-1	5115499	5204062	5158821	5159461	0.86	cps
Rhodium	103-2	1323463	1322556	1327465	1324495	0.20	cps
Scandium	45-1	3224547	3233024	3203031	3220201	0.48	cps
Scandium	45-2	25687	26255	26512	26151	1.61	cps
Selenium	77-2	0	0	0	0	0.00	cps
Selenium	78-2	2	4	6	4	50.09	cps
Selenium	82-1	6	16	41	21	85.49	cps
Silicon	28-1	18941904	19173916	18669971	18928597	1.33	cps
Silver	109-1	892	933	908	911	2.30	cps
Silver	107-1	842	1042	1167	1017	16.13	cps
Sodium	23-2	1842523	1814395	1799014	1818644	1.21	cps
Strontium	86-1	762642	763530	740141	755438	1.75	cps
Strontium	88-1	6709617	6740497	6578968	6676360	1.28	cps
Sulfur	34-1	1076934	1065573	1049026	1063844	1.32	cps
Terbium	159-1	7283474	7313553	7159647	7252225	1.12	cps
Terbium	159-2	1404442	1407557	1409260	1407086	0.17	cps
Thallium	203-1	1158	1042	892	1031	12.97	cps
Thallium	205-1	2825	2584	2192	2534	12.62	cps
Tin	118-1	942	975	925	947	2.69	cps
Titanium	47-1	583	442	425	483	18.00	cps
Uranium	238-1	25844	26446	26738	26343	1.73	cps
Vanadium	51-2	203	203	177	194	7.92	cps
Yttrium	89-1	5933150	5969523	5836170	5912948	1.17	cps
Yttrium	89-2	178179	178637	179401	178739	0.35	cps
Zinc	66-2	967	983	953	968	1.55	cps
Zirconium	90-1	1609	1692	1559	1620	4.16	cps

LB Number :	LB90416	Operator :	Jaswal
Lab Sample ID :	I5241-01	Instrumnet Name :	P8
Client Sample ID :	MC0AA1	Dilution Factor :	1
Date & Time Acquired ::	2017-09-28 14:44:05	DataFile Name :	032SMPL_P8092817MS.

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	91-1	283	308	442	344	24.71	cps

LB Number :	LB90416	Operator :	Jaswal
Lab Sample ID :	I5241-02	Instrumnet Name :	P8
Client Sample ID :	MC0AA1D	Dilution Factor :	1
Date & Time Acquired ::	2017-09-28 14:47:14	DataFile Name :	033SMPL_P8092817MS.

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	25	92	83	67	54.49	cps
Antimony	121-1	900	983	1008	964	5.88	cps
Arsenic	75-2	19	9	22	17	40.05	cps
Barium	135-1	186799	185912	184722	185811	0.56	cps
Barium	137-1	329736	326495	321806	326012	1.22	cps
Beryllium	9-1	122	128	122	124	2.58	cps
Bismuth	209-1	4668979	4680602	4554616	4634733	1.50	cps
Bismuth	209-2	1101556	1156843	1163538	1140646	2.98	cps
Boron	10-1	16293	15884	16135	16104	1.28	cps
Boron	11-1	72249	74075	73556	73293	1.28	cps
Cadmium	111-1	757	794	724	759	4.62	cps
Cadmium	106-1	1050	1117	983	1050	6.35	cps
Cadmium	108-1	4	0	8	4	99.96	cps
Calcium	43-1	2204718	2242658	2207404	2218260	0.95	cps
Calcium	44-1	35555715	35946598	35345819	35616044	0.86	cps
Chromium	52-2	550	497	477	508	7.47	cps
Cobalt	59-2	1557	1730	1733	1673	6.04	cps
Copper	63-2	2067	2060	2020	2049	1.23	cps
Dysprosium	156-1	17	67	25	36	74.18	cps
Dysprosium	156-2	3	7	0	3	100.05	cps
Erbium	164-1	17	17	83	39	98.97	cps
Erbium	164-2	0	10	7	6	91.64	cps
Gadolinium	160-1	92	67	50	69	30.20	cps
Gadolinium	160-2	3	10	13	9	57.30	cps
Holmium	165-1	7224493	7184145	7079705	7162781	1.04	cps
Holmium	165-2	1385857	1456138	1460265	1434086	2.92	cps
Indium	115-1	5775361	5803927	5756449	5778579	0.41	cps
Indium	115-2	230862	240742	241950	237851	2.56	cps
Iron	56-2	1232036	1232960	1218489	1227829	0.66	cps
Iron	57-2	30857	30784	30167	30603	1.24	cps
Lead	206-1	2034	2078	1717	1943	10.14	cps
Lead	207-1	1706	1500	1533	1580	6.98	cps
Lead	208-1	7790	7468	7029	7429	5.14	cps
Lithium	6-1	957222	958205	938187	951205	1.19	cps
Magnesium	24-2	683393	681139	679440	681324	0.29	cps
Manganese	55-2	638327	635460	629663	634483	0.70	cps

LB Number :	LB90416	Operator :	Jaswal
Lab Sample ID :	I5241-02	Instrumnet Name :	P8
Client Sample ID :	MC0AA1D	Dilution Factor :	1
Date & Time Acquired ::	2017-09-28 14:47:14	DataFile Name :	033SMPL_P8092817MS.

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Molybdenum	94-1	1925	2009	2042	1992	3.02	cps
Molybdenum	95-1	2417	2525	2709	2550	5.78	cps
Molybdenum	96-1	2942	2825	2542	2770	7.43	cps
Molybdenum	97-1	1634	1842	1567	1681	8.54	cps
Molybdenum	98-1	3959	4001	4126	4029	2.15	cps
Neodymium	150-1	20	27	87	44	82.61	cps
Neodymium	150-2	0	3	3	2	86.60	cps
Nickel	60-2	2720	2637	2490	2616	4.45	cps
Phosphorus	31-2	0	8	0	3	173.21	cps
Potassium	39-2	38763	38946	38178	38629	1.04	cps
Rhodium	103-1	5259451	5241973	5192428	5231284	0.66	cps
Rhodium	103-2	1251177	1313785	1316333	1293765	2.85	cps
Scandium	45-1	3309035	3302405	3216155	3275865	1.58	cps
Scandium	45-2	24849	25851	26418	25706	3.09	cps
Selenium	77-2	0	0	0	0	0.00	cps
Selenium	78-2	2	4	2	2	43.30	cps
Selenium	82-1	-15	-24	-18	-19	-23.56	cps
Silicon	28-1	19114729	19062253	19028106	19068363	0.23	cps
Silver	109-1	1000	1250	1450	1233	18.28	cps
Silver	107-1	1283	1208	1417	1303	8.10	cps
Sodium	23-2	1839648	1830596	1801373	1823872	1.10	cps
Strontium	86-1	770711	768249	757937	765632	0.89	cps
Strontium	88-1	6725969	6838460	6712651	6759027	1.02	cps
Sulfur	34-1	1072762	1067025	1053795	1064527	0.91	cps
Terbium	159-1	7354654	7383520	7345813	7361329	0.27	cps
Terbium	159-2	1325154	1396149	1400918	1374074	3.09	cps
Thallium	203-1	417	433	308	386	17.58	cps
Thallium	205-1	1383	1042	867	1097	23.95	cps
Tin	118-1	808	975	925	903	9.47	cps
Titanium	47-1	392	517	517	475	15.19	cps
Uranium	238-1	27189	27122	26011	26774	2.47	cps
Vanadium	51-2	230	193	137	187	25.19	cps
Yttrium	89-1	6008000	6037287	5986638	6010642	0.42	cps
Yttrium	89-2	169000	177270	178475	174915	2.95	cps
Zinc	66-2	947	937	897	927	2.86	cps
Zirconium	90-1	1442	1308	1458	1403	5.86	cps

LB Number :	LB90416	Operator :	Jaswal
Lab Sample ID :	I5241-02	Instrumnet Name :	P8
Client Sample ID :	MC0AA1D	Dilution Factor :	1
Date & Time Acquired ::	2017-09-28 14:47:14	DataFile Name :	033SMPL_P8092817MS.

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	91-1	233	308	392	311	25.46	cps

LB Number :	LB90416	Operator :	Jaswal
Lab Sample ID :	I5241-01LX5	Instrumnet Name :	P8
Client Sample ID :	MC0AA1L	Dilution Factor :	5
Date & Time Acquired ::	2017-09-28 14:50:24	DataFile Name :	034SMPL_P8092817MS.

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	58	33	25	39	44.62	cps
Antimony	121-1	167	150	233	183	24.05	cps
Arsenic	75-2	11	6	6	7	43.24	cps
Barium	135-1	34613	35156	34980	34916	0.79	cps
Barium	137-1	61895	61008	61193	61365	0.76	cps
Beryllium	9-1	122	122	128	124	2.58	cps
Bismuth	209-1	4547217	4451239	4473414	4490623	1.12	cps
Bismuth	209-2	1171103	1167760	1167212	1168692	0.18	cps
Boron	10-1	4076	3892	3609	3859	6.09	cps
Boron	11-1	18104	18930	18070	18368	2.65	cps
Cadmium	111-1	672	683	713	689	3.06	cps
Cadmium	106-1	967	925	992	961	3.51	cps
Cadmium	108-1	13	8	21	14	45.83	cps
Calcium	43-1	417435	416988	411323	415249	0.82	cps
Calcium	44-1	6773351	6719730	6667413	6720165	0.79	cps
Chromium	52-2	517	567	453	512	11.09	cps
Cobalt	59-2	343	340	300	328	7.36	cps
Copper	63-2	783	670	707	720	8.03	cps
Dysprosium	156-1	25	0	25	17	86.60	cps
Dysprosium	156-2	0	0	0	0	0.00	cps
Erbium	164-1	50	58	8	39	68.89	cps
Erbium	164-2	3	7	3	4	43.40	cps
Gadolinium	160-1	33	33	8	25	57.74	cps
Gadolinium	160-2	13	3	0	6	124.93	cps
Holmium	165-1	6928578	6899104	6899015	6908899	0.25	cps
Holmium	165-2	1466619	1455745	1449419	1457261	0.60	cps
Indium	115-1	5675906	5728076	5697058	5700347	0.46	cps
Indium	115-2	244136	241192	242613	242647	0.61	cps
Iron	56-2	233102	233721	234826	233883	0.37	cps
Iron	57-2	5957	5974	5874	5935	0.90	cps
Lead	206-1	861	900	739	833	10.09	cps
Lead	207-1	689	822	672	728	11.30	cps
Lead	208-1	3267	3611	3239	3373	6.15	cps
Lithium	6-1	907622	919147	930862	919210	1.26	cps
Magnesium	24-2	131377	127526	128518	129140	1.55	cps
Manganese	55-2	119519	119246	120403	119723	0.51	cps

LB Number :	LB90416	Operator :	Jaswal
Lab Sample ID :	I5241-01LX5	Instrumnet Name :	P8
Client Sample ID :	MC0AA1L	Dilution Factor :	5
Date & Time Acquired ::	2017-09-28 14:50:24	DataFile Name :	034SMPL_P8092817MS.

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Molybdenum	94-1	433	517	317	422	23.79	cps
Molybdenum	95-1	617	483	450	517	17.07	cps
Molybdenum	96-1	575	708	683	656	10.81	cps
Molybdenum	97-1	467	333	300	367	24.05	cps
Molybdenum	98-1	792	817	908	839	7.32	cps
Neodymium	150-1	7	20	33	20	66.65	cps
Neodymium	150-2	0	0	0	0	0.00	cps
Nickel	60-2	620	623	570	604	4.94	cps
Phosphorus	31-2	25	0	8	11	114.58	cps
Potassium	39-2	9312	9612	9504	9476	1.60	cps
Rhodium	103-1	5192101	5179865	5135804	5169256	0.57	cps
Rhodium	103-2	1330798	1321358	1325924	1326027	0.36	cps
Scandium	45-1	3193516	3170486	3131072	3165024	1.00	cps
Scandium	45-2	26048	26302	25854	26068	0.86	cps
Selenium	77-2	0	0	0	0	0.00	cps
Selenium	78-2	0	0	0	0	0.00	cps
Selenium	82-1	-153	-261	-27	-147	-79.87	cps
Silicon	28-1	3917129	3894849	3884762	3898914	0.42	cps
Silver	109-1	475	558	467	500	10.14	cps
Silver	107-1	492	525	417	478	11.61	cps
Sodium	23-2	348185	347814	345105	347035	0.48	cps
Strontium	86-1	145433	144795	143649	144626	0.63	cps
Strontium	88-1	1270811	1259288	1258593	1262897	0.54	cps
Sulfur	34-1	558712	560349	555853	558305	0.41	cps
Terbium	159-1	7146278	7175178	7138999	7153485	0.27	cps
Terbium	159-2	1392441	1392518	1400466	1395142	0.33	cps
Thallium	203-1	292	325	342	319	7.97	cps
Thallium	205-1	650	900	775	775	16.13	cps
Tin	118-1	483	583	450	506	13.73	cps
Titanium	47-1	158	200	183	181	11.62	cps
Uranium	238-1	5376	4851	4960	5062	5.48	cps
Vanadium	51-2	23	30	40	31	26.97	cps
Yttrium	89-1	5928056	5854122	5840217	5874132	0.80	cps
Yttrium	89-2	179221	177382	177567	178057	0.57	cps
Zinc	66-2	247	217	247	237	7.32	cps
Zirconium	90-1	467	633	592	564	15.38	cps

LB Number :	LB90416	Operator :	Jaswal
Lab Sample ID :	I5241-01LX5	Instrumnet Name :	P8
Client Sample ID :	MC0AA1L	Dilution Factor :	5
Date & Time Acquired ::	2017-09-28 14:50:24	DataFile Name :	034SMPL_P8092817MS.

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	91-1	167	117	167	150	19.25	cps

LB Number :	LB90416	Operator :	Jaswal
Lab Sample ID :	I5241-03	Instrumnet Name :	P8
Client Sample ID :	MC0AA1S	Dilution Factor :	1
Date & Time Acquired ::	2017-09-28 14:53:34	DataFile Name :	035SMPL_P8092817MS.

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	13207	12189	12506	12634	4.12	cps
Antimony	121-1	1018880	1009615	1012570	1013688	0.47	cps
Arsenic	75-2	4569	4414	4449	4477	1.82	cps
Barium	135-1	4460488	4506938	4482625	4483350	0.52	cps
Barium	137-1	7685181	7640932	7682085	7669399	0.32	cps
Beryllium	9-1	69104	68290	69356	68917	0.81	cps
Bismuth	209-1	4751421	4700900	4597666	4683329	1.67	cps
Bismuth	209-2	1170729	1172325	1165748	1169600	0.29	cps
Boron	10-1	15776	15818	15509	15701	1.07	cps
Boron	11-1	71478	72081	71462	71674	0.49	cps
Cadmium	111-1	104596	106246	106732	105858	1.06	cps
Cadmium	106-1	10429	9812	11247	10496	6.86	cps
Cadmium	108-1	7044	6756	6777	6859	2.34	cps
Calcium	43-1	2239313	2246215	2217990	2234506	0.66	cps
Calcium	44-1	36048952	36035027	35374704	35819561	1.08	cps
Chromium	52-2	175545	176412	175609	175856	0.27	cps
Cobalt	59-2	946895	945104	939101	943700	0.43	cps
Copper	63-2	406618	405096	404697	405470	0.25	cps
Dysprosium	156-1	75	42	25	47	53.91	cps
Dysprosium	156-2	3	7	3	4	43.40	cps
Erbium	164-1	92	42	33	56	56.79	cps
Erbium	164-2	13	7	10	10	33.30	cps
Gadolinium	160-1	33	83	58	58	42.86	cps
Gadolinium	160-2	13	17	3	11	62.48	cps
Holmium	165-1	7200949	7263001	7073077	7179009	1.35	cps
Holmium	165-2	1455813	1469324	1465644	1463594	0.48	cps
Indium	115-1	5860150	5911711	5759016	5843626	1.33	cps
Indium	115-2	239658	240467	238309	239478	0.46	cps
Iron	56-2	1859107	1843966	1851146	1851407	0.41	cps
Iron	57-2	44533	45647	44036	44739	1.84	cps
Lead	206-1	126288	126002	125935	126075	0.15	cps
Lead	207-1	113855	113223	113308	113462	0.30	cps
Lead	208-1	514818	512539	504819	510725	1.03	cps
Lithium	6-1	965957	971639	963694	967097	0.42	cps
Magnesium	24-2	676247	669053	671734	672345	0.54	cps
Manganese	55-2	752495	745746	746707	748316	0.49	cps

LB Number :	LB90416	Operator :	Jaswal
Lab Sample ID :	I5241-03	Instrumnet Name :	P8
Client Sample ID :	MC0AA1S	Dilution Factor :	1
Date & Time Acquired ::	2017-09-28 14:53:34	DataFile Name :	035SMPL_P8092817MS.

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Molybdenum	94-1	1975	1867	1817	1886	4.29	cps
Molybdenum	95-1	2600	2825	2767	2731	4.28	cps
Molybdenum	96-1	2850	3075	3134	3020	4.96	cps
Molybdenum	97-1	1750	1717	1734	1734	0.96	cps
Molybdenum	98-1	4284	4309	4076	4223	3.03	cps
Neodymium	150-1	160	140	153	151	6.74	cps
Neodymium	150-2	3	13	3	7	86.65	cps
Nickel	60-2	275980	276756	271940	274892	0.94	cps
Phosphorus	31-2	0	0	8	3	173.21	cps
Potassium	39-2	38220	38512	38086	38273	0.57	cps
Rhodium	103-1	5262563	5288206	5261245	5270671	0.29	cps
Rhodium	103-2	1329422	1322559	1321636	1324539	0.32	cps
Scandium	45-1	3328193	3275808	3242233	3282078	1.32	cps
Scandium	45-2	26358	26271	26382	26337	0.22	cps
Selenium	77-2	57	80	70	69	16.99	cps
Selenium	78-2	219	241	252	237	7.16	cps
Selenium	82-1	13052	13226	13270	13183	0.88	cps
Silicon	28-1	19281489	19315793	19090223	19229168	0.63	cps
Silver	109-1	443599	446012	444618	444743	0.27	cps
Silver	107-1	467194	470148	465179	467507	0.53	cps
Sodium	23-2	1847226	1791298	1782856	1807126	1.94	cps
Strontium	86-1	772565	773898	771366	772610	0.16	cps
Strontium	88-1	6751113	6823318	6753119	6775850	0.61	cps
Sulfur	34-1	1085660	1077994	1062415	1075356	1.10	cps
Terbium	159-1	7473711	7461695	7357556	7430988	0.86	cps
Terbium	159-2	1401496	1402726	1403958	1402727	0.09	cps
Thallium	203-1	382689	388529	383231	384817	0.84	cps
Thallium	205-1	914415	915060	913099	914191	0.11	cps
Tin	118-1	1492	1408	1417	1439	3.19	cps
Titanium	47-1	408	442	542	464	14.96	cps
Uranium	238-1	26788	28467	26705	27320	3.64	cps
Vanadium	51-2	330108	327658	327823	328530	0.42	cps
Yttrium	89-1	6043287	6077926	5961788	6027667	0.99	cps
Yttrium	89-2	175889	176959	177811	176886	0.54	cps
Zinc	66-2	74110	74643	73456	74070	0.80	cps
Zirconium	90-1	1392	1167	1033	1197	15.13	cps

LB Number :	LB90416	Operator :	Jaswal
Lab Sample ID :	I5241-03	Instrumnet Name :	P8
Client Sample ID :	MC0AA1S	Dilution Factor :	1
Date & Time Acquired ::	2017-09-28 14:53:34	DataFile Name :	035SMPL_P8092817MS.

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	91-1	317	375	292	328	13.05	cps

LB Number :	LB90416	Operator :	Jaswal
Lab Sample ID :	CCV074	Instrumnet Name :	P8
Client Sample ID :	CCV074	Dilution Factor :	1
Date & Time Acquired ::	2017-09-28 15:02:08	DataFile Name :	036CCV_P8092817MS.E

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	278310	275730	275210	276416	0.60	cps
Antimony	121-1	4128562	4133691	4135186	4132480	0.08	cps
Arsenic	75-2	44464	44759	44499	44574	0.36	cps
Barium	135-1	4479844	4424750	4426669	4443754	0.70	cps
Barium	137-1	7714244	7714806	7742516	7723856	0.21	cps
Beryllium	9-1	569104	575523	571922	572183	0.56	cps
Bismuth	209-1	4209664	4239575	4132865	4194034	1.31	cps
Bismuth	209-2	1051541	1051408	1041567	1048172	0.55	cps
Boron	10-1	67526	69226	70357	69036	2.06	cps
Boron	11-1	308543	318975	323852	317123	2.47	cps
Cadmium	111-1	837313	840132	835642	837696	0.27	cps
Cadmium	106-1	89236	86586	86661	87494	1.72	cps
Cadmium	108-1	60247	59849	59004	59700	1.06	cps
Calcium	43-1	4305652	4241523	4290944	4279373	0.79	cps
Calcium	44-1	69786995	69994641	69535383	69772340	0.33	cps
Chromium	52-2	357305	359255	354007	356856	0.74	cps
Cobalt	59-2	744701	740739	741958	742466	0.27	cps
Copper	63-2	1281697	1291323	1283980	1285667	0.39	cps
Dysprosium	156-1	92	117	42	83	45.82	cps
Dysprosium	156-2	10	10	17	12	31.50	cps
Erbium	164-1	58	58	58	58	0.00	cps
Erbium	164-2	0	17	10	9	94.38	cps
Gadolinium	160-1	92	100	92	94	5.09	cps
Gadolinium	160-2	7	20	17	14	48.02	cps
Holmium	165-1	6641486	6691855	6506486	6613276	1.45	cps
Holmium	165-2	1365344	1360134	1347190	1357556	0.69	cps
Indium	115-1	5144879	5225887	5061234	5144000	1.60	cps
Indium	115-2	214047	214945	212103	213698	0.68	cps
Iron	56-2	59576714	59475329	59254133	59435392	0.28	cps
Iron	57-2	1519939	1525352	1504800	1516697	0.70	cps
Lead	206-1	2570589	2574376	2564314	2569759	0.20	cps
Lead	207-1	2333354	2362862	2374208	2356808	0.89	cps
Lead	208-1	10505693	10522584	10540804	10523027	0.17	cps
Lithium	6-1	869066	906862	891568	889165	2.14	cps
Magnesium	24-2	6651611	6639256	6663581	6651483	0.18	cps
Manganese	55-2	201579	200954	199145	200559	0.63	cps

LB Number :	LB90416	Operator :	Jaswal
Lab Sample ID :	CCV074	Instrumnet Name :	P8
Client Sample ID :	CCV074	Dilution Factor :	1
Date & Time Acquired ::	2017-09-28 15:02:08	DataFile Name :	036CCV_P8092817MS.C

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Molybdenum	94-1	7110728	7106101	7076269	7097699	0.26	cps
Molybdenum	95-1	8621496	8690416	8640228	8650713	0.41	cps
Molybdenum	96-1	9506674	9655466	9589277	9583805	0.78	cps
Molybdenum	97-1	5444701	5416998	5420188	5427296	0.28	cps
Molybdenum	98-1	13964356	13944870	13954329	13954518	0.07	cps
Neodymium	150-1	200	227	187	204	9.96	cps
Neodymium	150-2	7	10	7	8	24.71	cps
Nickel	60-2	216418	214028	215714	215387	0.57	cps
Phosphorus	31-2	4243	3842	4418	4168	7.07	cps
Potassium	39-2	1906917	1878017	1886654	1890530	0.78	cps
Rhodium	103-1	4688884	4723946	4573760	4662197	1.69	cps
Rhodium	103-2	1192829	1187280	1170263	1183457	0.99	cps
Scandium	45-1	3035945	3017383	2923150	2992159	2.02	cps
Scandium	45-2	24158	23904	24408	24157	1.04	cps
Selenium	77-2	293	283	300	292	2.87	cps
Selenium	78-2	1015	1035	957	1003	4.02	cps
Selenium	82-1	51369	51973	51374	51572	0.67	cps
Silicon	28-1	1943560	1956962	1952769	1951097	0.35	cps
Silver	109-1	3951474	3916440	3897612	3921842	0.70	cps
Silver	107-1	4139800	4090297	4078387	4102828	0.79	cps
Sodium	23-2	15839858	15871614	15778057	15829843	0.30	cps
Strontium	86-1	1116718	1120663	1114013	1117131	0.30	cps
Strontium	88-1	9875222	9860342	9842931	9859498	0.16	cps
Sulfur	34-1	666533	663512	657351	662465	0.71	cps
Terbium	159-1	6918891	6892098	6711782	6840924	1.65	cps
Terbium	159-2	1300651	1297886	1292228	1296922	0.33	cps
Thallium	203-1	3132561	3172813	3152936	3152770	0.64	cps
Thallium	205-1	7381768	7461057	7444399	7429074	0.56	cps
Tin	118-1	2930521	2907605	2899434	2912520	0.55	cps
Titanium	47-1	454714	457346	446369	452810	1.27	cps
Uranium	238-1	10827374	10818417	10753789	10799860	0.37	cps
Vanadium	51-2	267413	264923	267596	266644	0.56	cps
Yttrium	89-1	5578584	5544483	5395530	5506199	1.77	cps
Yttrium	89-2	164065	162115	162732	162971	0.61	cps
Zinc	66-2	116326	117066	116470	116621	0.34	cps
Zirconium	90-1	6167548	6122324	6075632	6121835	0.75	cps

LB Number :	LB90416	Operator :	Jaswal
Lab Sample ID :	CCV074	Instrumnet Name :	P8
Client Sample ID :	CCV074	Dilution Factor :	1
Date & Time Acquired ::	2017-09-28 15:02:08	DataFile Name :	036CCV_P8092817MS.C

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	91-1	1371300	1388523	1355125	1371649	1.22	cps

LB Number : LB90416 Operator : Jaswal
 Lab Sample ID : CCB074 Instrumnet Name : P8
 Client Sample ID : CCB074 Dilution Factor : 1
 Date & Time Acquired :: 2017-09-28 15:05:24 DataFile Name : 037CCBE_P8092817MS

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	17	8	33	19	65.47	cps
Antimony	121-1	1759	2009	1750	1839	7.98	cps
Arsenic	75-2	9	2	7	6	62.47	cps
Barium	135-1	67	50	33	50	33.34	cps
Barium	137-1	167	75	150	131	37.40	cps
Beryllium	9-1	400	267	317	328	20.55	cps
Bismuth	209-1	4643773	4609410	4197042	4483408	5.54	cps
Bismuth	209-2	1023800	969406	964485	985897	3.34	cps
Boron	10-1	2025	2034	1917	1992	3.27	cps
Boron	11-1	9387	8987	8503	8959	4.94	cps
Cadmium	111-1	827	776	653	752	11.85	cps
Cadmium	106-1	1008	1050	858	972	10.37	cps
Cadmium	108-1	0	13	8	7	91.66	cps
Calcium	43-1	1717	1542	1492	1583	7.46	cps
Calcium	44-1	28129	27528	27845	27834	1.08	cps
Chromium	52-2	427	487	433	449	7.33	cps
Cobalt	59-2	110	73	87	90	20.62	cps
Copper	63-2	243	203	213	220	9.46	cps
Dysprosium	156-1	0	17	0	6	173.21	cps
Dysprosium	156-2	0	0	0	0	0.00	cps
Erbium	164-1	17	33	25	25	33.32	cps
Erbium	164-2	3	0	7	3	100.05	cps
Gadolinium	160-1	33	58	42	44	28.65	cps
Gadolinium	160-2	10	3	7	7	50.03	cps
Holmium	165-1	6972495	6900478	6309269	6727414	5.41	cps
Holmium	165-2	1255725	1191712	1181505	1209647	3.33	cps
Indium	115-1	5609244	5595045	5166832	5457040	4.61	cps
Indium	115-2	208286	197500	195947	200578	3.35	cps
Iron	56-2	2417	2172	2439	2343	6.32	cps
Iron	57-2	72	33	33	46	48.50	cps
Lead	206-1	750	656	633	680	9.12	cps
Lead	207-1	600	583	611	598	2.34	cps
Lead	208-1	2734	2745	2611	2696	2.74	cps
Lithium	6-1	954278	961009	856547	923945	6.33	cps
Magnesium	24-2	258	300	250	269	9.94	cps
Manganese	55-2	40	60	40	47	24.74	cps

LB Number :	LB90416	Operator :	Jaswal
Lab Sample ID :	CCB074	Instrumnet Name :	P8
Client Sample ID :	CCB074	Dilution Factor :	1
Date & Time Acquired ::	2017-09-28 15:05:24	DataFile Name :	037CCBE_P8092817MS

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Molybdenum	94-1	1083	983	775	947	16.61	cps
Molybdenum	95-1	1600	1275	1192	1356	15.92	cps
Molybdenum	96-1	1759	1467	1325	1517	14.57	cps
Molybdenum	97-1	900	1083	525	836	34.04	cps
Molybdenum	98-1	2442	2067	1875	2128	13.55	cps
Neodymium	150-1	0	0	20	7	173.21	cps
Neodymium	150-2	0	3	0	1	173.21	cps
Nickel	60-2	140	100	117	119	16.90	cps
Phosphorus	31-2	25	8	0	11	114.58	cps
Potassium	39-2	2725	2634	2934	2764	5.56	cps
Rhodium	103-1	5225391	5177080	4709284	5037252	5.66	cps
Rhodium	103-2	1161132	1100877	1091728	1117912	3.37	cps
Scandium	45-1	3168358	3114177	2895072	3059203	4.73	cps
Scandium	45-2	22542	21417	21216	21725	3.29	cps
Selenium	77-2	0	3	0	1	173.21	cps
Selenium	78-2	4	6	4	4	24.86	cps
Selenium	82-1	-132	-37	-36	-69	-80.20	cps
Silicon	28-1	398656	400921	395033	398203	0.75	cps
Silver	109-1	408	342	442	397	12.82	cps
Silver	107-1	467	325	367	386	18.86	cps
Sodium	23-2	11130	11263	11347	11247	0.97	cps
Strontium	86-1	892	1142	1108	1047	12.96	cps
Strontium	88-1	1208	1083	808	1033	19.80	cps
Sulfur	34-1	387240	389231	385178	387216	0.52	cps
Terbium	159-1	7149465	7123512	6554341	6942440	4.84	cps
Terbium	159-2	1195113	1142512	1133520	1157048	2.88	cps
Thallium	203-1	908	825	800	845	6.72	cps
Thallium	205-1	2584	2234	1984	2267	13.30	cps
Tin	118-1	1425	1308	1192	1308	8.92	cps
Titanium	47-1	92	117	175	128	33.47	cps
Uranium	238-1	192	142	150	161	16.63	cps
Vanadium	51-2	17	10	13	13	25.01	cps
Yttrium	89-1	5826959	5803285	5247065	5625770	5.83	cps
Yttrium	89-2	153774	145341	144078	147731	3.57	cps
Zinc	66-2	37	53	53	48	20.13	cps
Zirconium	90-1	700	667	650	672	3.79	cps

LB Number :	LB90416	Operator :	Jaswal
Lab Sample ID :	CCB074	Instrumnet Name :	P8
Client Sample ID :	CCB074	Dilution Factor :	1
Date & Time Acquired ::	2017-09-28 15:05:24	DataFile Name :	037CCBE_P8092817MS

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	91-1	208	117	83	136	47.55	cps