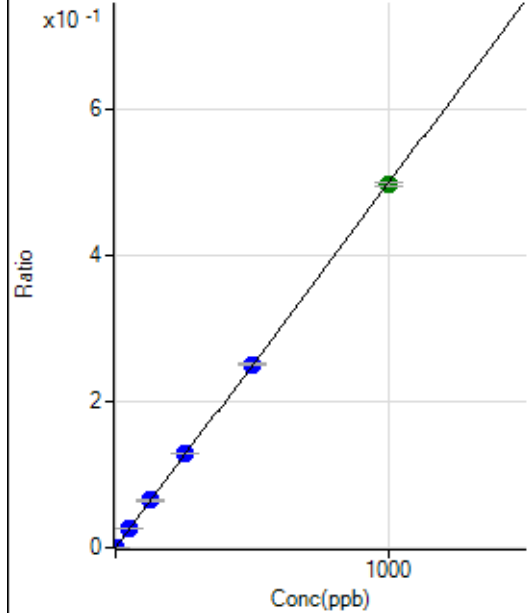


Batch Folder: D:\Agilent\ICPMH\1\DATA\P7061922 MS.b\
Analysis File: P7061922 MS.batch.bin
DA Date-Time: 2022-06-20 00:44:15
Calibration Title:
Calibration Method: External Calibration
VIS Interpolation Fit:

Level	Standard Data File	Sample Name	Acq. Date-Time
1	003CALB.d	S00	2022-06-19 13:55:05
2	004CALS.d	S01	2022-06-19 13:58:01
3	005CALS.d	S02	2022-06-19 14:00:53
4	006CALS.d	S03	2022-06-19 14:03:49
5	007CALS.d	S04	2022-06-19 14:06:34
6	008CALS.d	S05	2022-06-19 14:09:22
7	009CALS.d	S06	2022-06-19 14:12:07
8	010CALS.d	S07	2022-06-19 14:14:54
9	011CALS.d	S08	2022-06-19 14:17:39

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

	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	35.56	0.0000	P	5.3
2	☐	0.100	0.106	234.45	0.0001	P	4.9
3	☐	1.000	1.098	2094.61	0.0006	P	2.3
4	☐	50.000	52.622	99906.53	0.0262	P	1.4
5	☐	125.000	129.266	246570.28	0.0644	P	1.0
6	☐	250.000	260.221	469814.67	0.1296	P	0.7
7	☐	500.000	502.823	878290.99	0.2504	P	0.9
8	☐	1000.000	995.369	1643157.89	0.4957	A	1.0
9	☐			2446.90	0.0008	P	3.7

$$y = 4.9798\text{E-}004 * x + 9.4924\text{E-}006$$

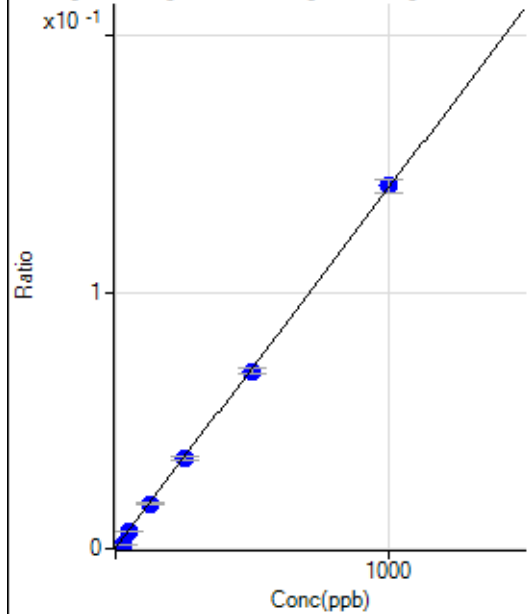
$$R = 0.9999$$

$$DL = 0.003047$$

$$BEC = 0.01906$$

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	675.03	0.0002	P	3.2
2	☐	2.500	1.208	1313.98	0.0003	P	6.9
3	☐	25.000	11.584	6810.00	0.0018	P	6.2
4	☐	50.000	48.247	26534.34	0.0070	P	3.0
5	☐	125.000	123.506	67171.16	0.0175	P	5.2
6	☐	250.000	248.960	127535.79	0.0352	P	4.0
7	☐	500.000	491.123	242755.86	0.0692	P	3.5
8	☐	1000.000	1005.311	468999.16	0.1415	P	3.7
9	☐			17276.75	0.0056	P	12.7

$$y = 1.4057\text{E-}004 * x + 1.8022\text{E-}004$$

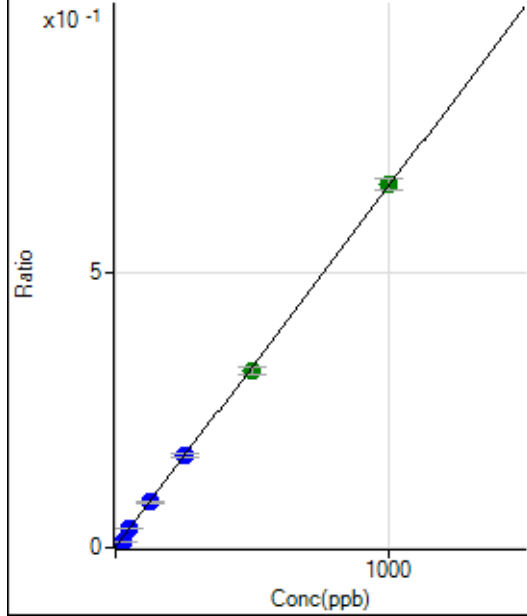
$$R = 0.9999$$

$$DL = 0.1245$$

$$BEC = 1.282$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	3355.99	0.0009	P	6.0
2	☐	2.500	1.150	6201.40	0.0017	P	4.1
3	☐	25.000	12.223	33639.91	0.0089	P	3.7
4	☐	50.000	50.121	129073.45	0.0339	P	3.2
5	☐	125.000	125.682	320048.07	0.0836	P	2.9
6	☐	250.000	253.263	607229.72	0.1675	P	4.1
7	☐	500.000	489.922	1133224.76	0.3232	A	4.4
8	☐	1000.000	1004.455	2192864.50	0.6616	A	3.3
9	☐			83887.02	0.0274	P	13.1

$$y = 6.5779\text{E-}004 * x + 8.9594\text{E-}004$$

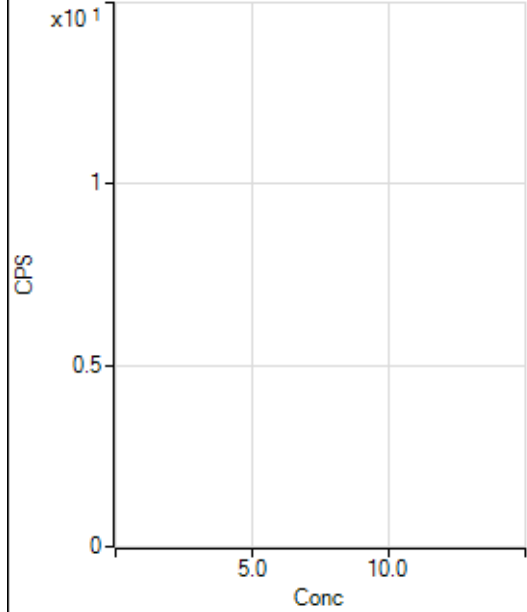
$$R = 0.9999$$

$$DL = 0.2447$$

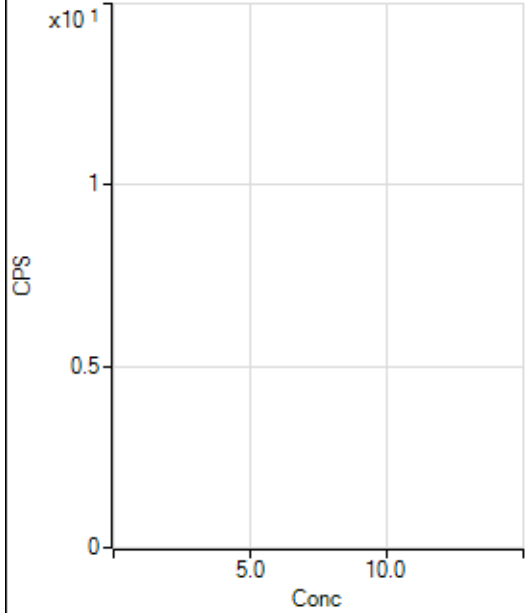
$$BEC = 1.362$$

Weight: <None>

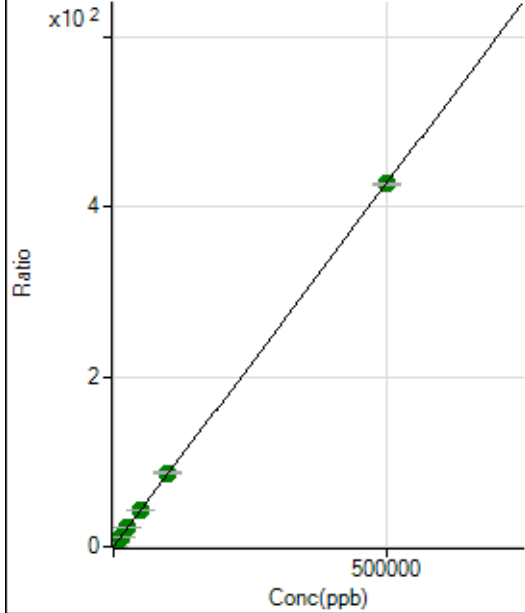
Min Conc: 0

12 C [No Gas] No available calibration points

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐						
2	☐						
3	☐						
4	☐						
5	☐						
6	☐						
7	☐						
8	☐						
9	☐						

12 C [He] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐						
2	☐						
3	☐						
4	☐						
5	☐						
6	☐						
7	☐						
8	☐						
9	☐						

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	25105.86	0.0298	P	1.9
2	☐	50.000	51.635	62435.49	0.0740	P	1.9
3	☐	500.000	497.817	382585.74	0.4557	P	0.6
4	☐	5000.000	5193.951	3657881.71	4.4736	A	0.8
5	☐	12500.000	12904.991	8615367.90	11.0711	A	0.7
6	☐	25000.000	25800.100	16284370.62	22.1039	A	0.6
7	☐	50000.000	51469.235	29731642.56	44.0661	A	0.2
8	☐	100000.00	101822.31	57493474.90	87.1474	A	0.3
9	☐	500000.00	499436.54	294256069.5	427.3399	A	0.8

$$y = 8.5558\text{E-}004 * x + 0.0298$$

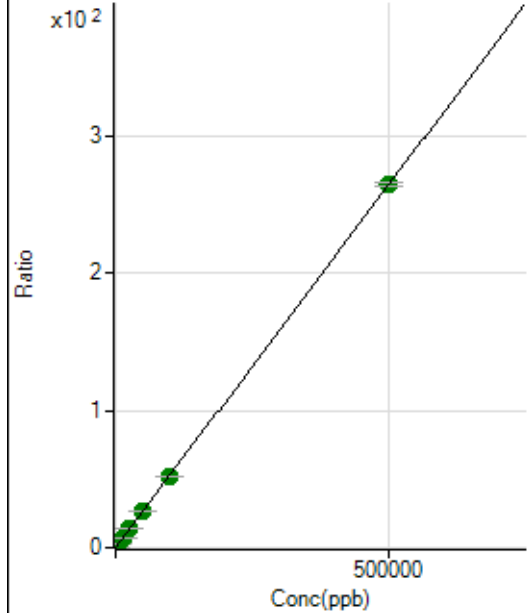
$$R = 1.0000$$

$$DL = 1.954$$

$$BEC = 34.8$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	485.20	0.0006	P	3.1
2	☐	50.000	52.009	23672.16	0.0280	P	1.9
3	☐	500.000	508.515	225928.39	0.2691	P	0.4
4	☐	5000.000	5137.648	2218747.23	2.7136	A	1.5
5	☐	12500.000	12555.513	5160053.36	6.6308	A	0.5
6	☐	25000.000	25299.360	9842954.62	13.3605	A	0.8
7	☐	50000.000	49787.179	17739225.51	26.2918	A	0.4
8	☐	100000.00	98990.243	34486794.99	52.2746	A	0.4
9	☐	500000.00	500205.49	181883911.4	264.1452	A	1.1

$$y = 5.2807\text{E-}004 * x + 5.7547\text{E-}004$$

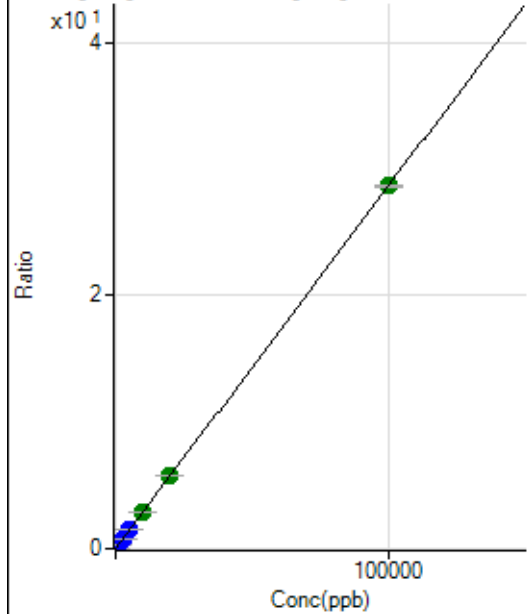
$$R = 1.0000$$

$$DL = 0.1013$$

$$BEC = 1.09$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	296.30	0.0004	P	29.6
2	☐	2.000	2.078	800.03	0.0009	P	6.5
3	☐	20.000	20.899	5326.93	0.0063	P	4.2
4	☐	1000.000	1040.422	244270.63	0.2987	P	0.4
5	☐	2500.000	2548.055	568958.09	0.7311	P	0.2
6	☐	5000.000	5059.121	1069192.91	1.4513	P	0.6
7	☐	10000.000	10022.978	1939735.14	2.8749	A	0.3
8	☐	20000.000	20055.785	3794942.36	5.7523	A	0.5
9	☐	100000.00	99981.983	19744972.43	28.6750	A	0.6

$$y = 2.8680\text{E-}004 * x + 3.5172\text{E-}004$$

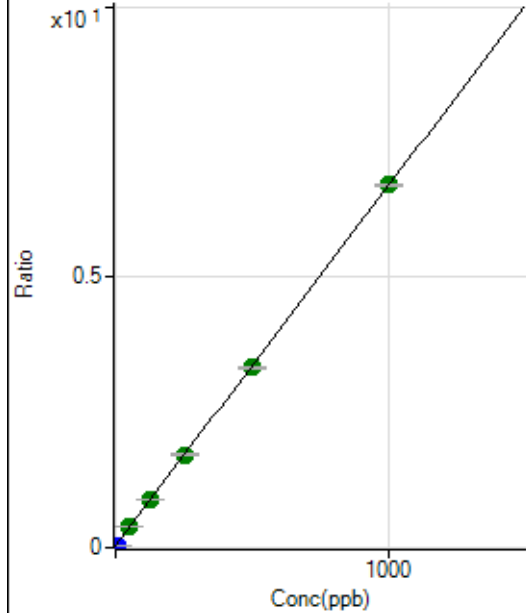
$$R = 1.0000$$

$$DL = 1.087$$

$$BEC = 1.226$$

Weight: <None>

Min Conc: 0

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

	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	340657.70	0.0337	P	0.9
2	☐	1.000	0.007	346136.27	0.0338	P	0.7
3	☐	10.000	0.910	403633.98	0.0398	P	0.1
4	☐	50.000	54.042	3941350.35	0.3936	A	0.4
5	☐	125.000	130.395	8854631.45	0.9020	A	0.6
6	☐	250.000	252.670	16068293.07	1.7162	A	2.1
7	☐	500.000	494.026	29812378.79	3.3234	A	0.5
8	☐	1000.000	1001.535	56988794.33	6.7028	A	0.6
9	☐			1236358.20	0.1506	M	10.1

$$y = 0.0067 * x + 0.0337$$

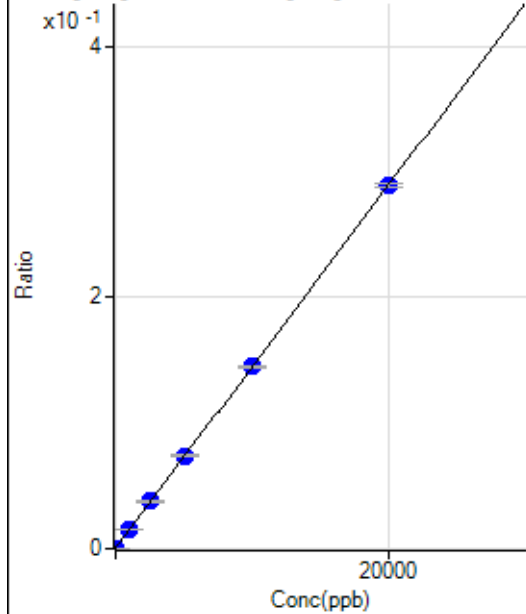
$$R = 0.9999$$

$$DL = 0.1361$$

$$BEC = 5.063$$

Weight: <None>

Min Conc: 0

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

	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	-9.931	213.90	0.0003	P	25.6
2	☐	0.000	-4.940	275.01	0.0003	P	7.7
3	☐	0.000	14.871	513.91	0.0006	P	11.1
4	☐	1000.000	1040.362	12624.94	0.0154	P	2.2
5	☐	2500.000	2575.045	29284.09	0.0376	P	1.3
6	☐	5000.000	5106.661	54692.77	0.0742	P	1.5
7	☐	10000.000	10018.869	98007.42	0.1453	P	1.0
8	☐	20000.000	19952.501	190590.03	0.2889	P	1.2
9	☐			500.02	0.0007	P	12.7

$$y = 1.4459E-005 * x + 3.9714E-004$$

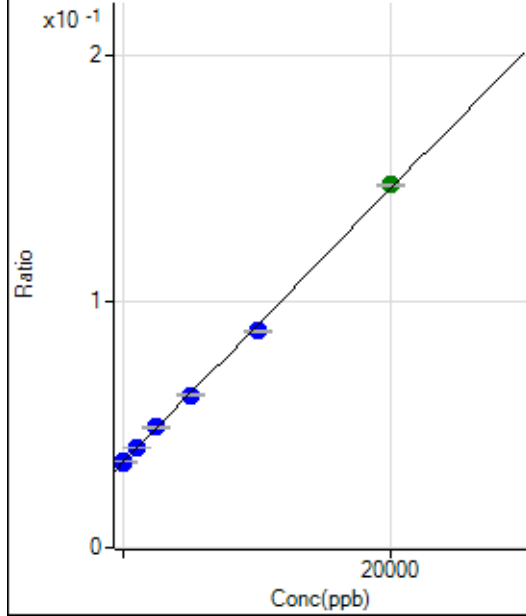
$$R = 1.0000$$

$$DL = 10.95$$

$$BEC = 27.47$$

Weight: <None>

Min Conc: 0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	-6.862	349231.06	0.0346	P	0.6
2	☐	0.000	-55.427	351555.90	0.0343	P	1.2
3	☐	0.000	62.290	354648.10	0.0349	P	1.0
4	☐	1000.000	1079.025	406610.78	0.0406	P	0.7
5	☐	2500.000	2565.390	479803.18	0.0489	P	1.0
6	☐	5000.000	4920.341	580360.16	0.0620	P	0.5
7	☐	10000.000	9576.141	788447.97	0.0879	P	0.5
8	☐	20000.000	20219.719	1250937.58	0.1471	A	0.4
9	☐			254964.88	0.0311	P	1.4

$$y = 5.5653E-006 * x + 0.0346$$

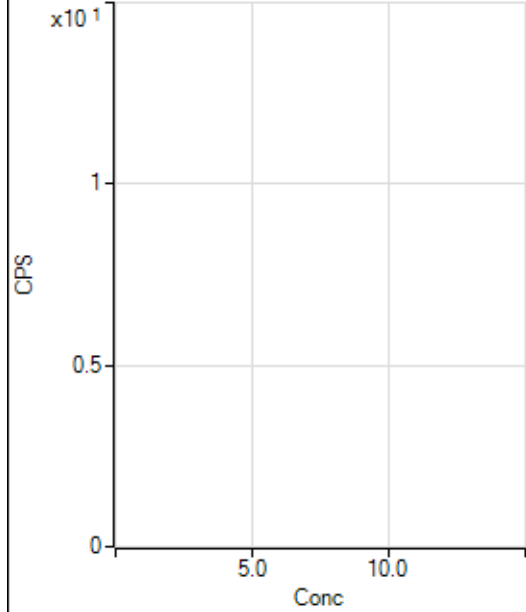
$$R = 0.9996$$

$$DL = 175$$

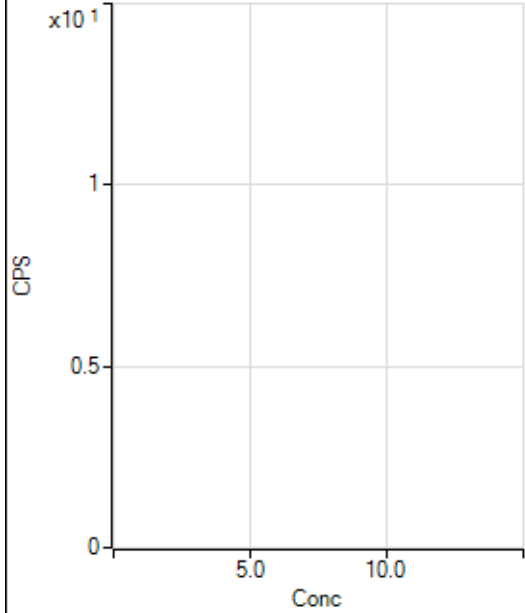
$$BEC = 6217$$

Weight: <None>

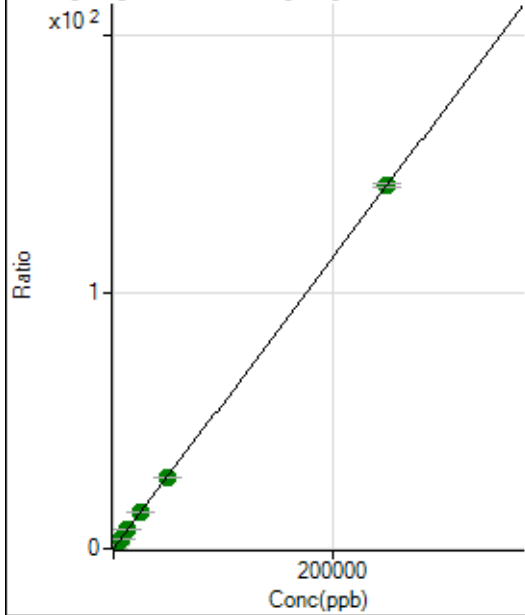
Min Conc: 0

35 Cl [No Gas] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐						
2	☐						
3	☐						
4	☐						
5	☐						
6	☐						
7	☐						
8	☐						
9	☐						

35 Cl [He] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐						
2	☐						
3	☐						
4	☐						
5	☐						
6	☐						
7	☐						
8	☐						
9	☐						

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	56407.93	0.0669	P	0.9
2	☐	50.000	59.908	85057.00	0.1008	P	1.6
3	☐	500.000	532.323	308687.80	0.3677	P	0.2
4	☐	2500.000	2560.981	1237864.76	1.5139	A	0.5
5	☐	6250.000	6361.229	2849052.47	3.6611	A	0.5
6	☐	12500.000	12560.631	5277716.31	7.1639	A	0.6
7	☐	25000.000	24777.450	9490827.38	14.0666	A	0.1
8	☐	50000.000	49375.516	18449286.18	27.9649	A	0.1
9	☐	250000.00	250140.66	97364943.84	141.4007	A	1.0

$$y = 5.6502E-004 * x + 0.0669$$

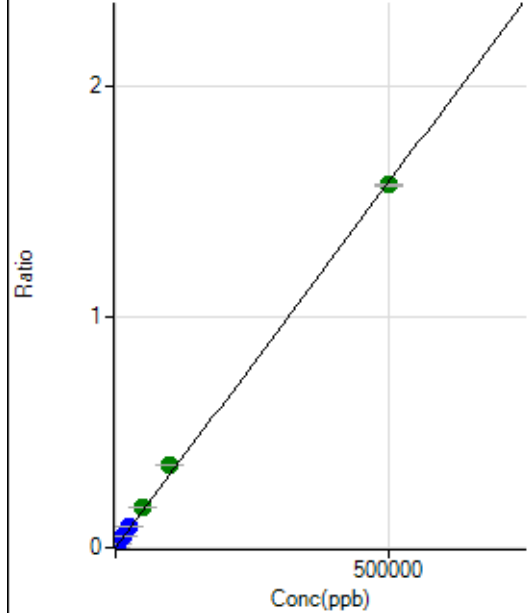
$$R = 1.0000$$

$$DL = 3.146$$

$$BEC = 118.4$$

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	313.90	0.0000	P	31.4
2	☐	50.000	51.809	1997.40	0.0002	P	5.0
3	☐	500.000	524.299	17135.01	0.0017	P	2.0
4	☐	5000.000	6038.062	191431.80	0.0191	P	0.7
5	☐	12500.000	14883.400	462121.61	0.0471	P	0.0
6	☐	25000.000	29524.084	874067.01	0.0934	P	0.9
7	☐	50000.000	55954.042	1586724.42	0.1769	A	1.5
8	☐	100000.00	112199.93	3015577.48	0.3547	A	0.2
9	☐	500000.00	496668.41	12868434.49	1.5699	A	0.7

$$y = 3.1608\text{E-}006 * x + 3.1077\text{E-}005$$

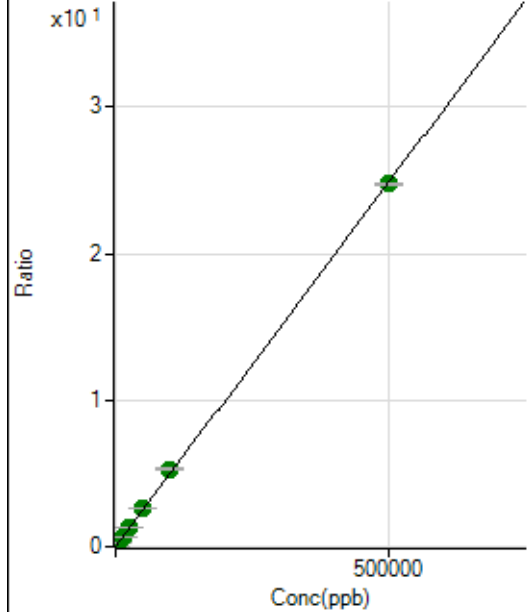
$$R = 0.9996$$

$$DL = 9.266$$

$$BEC = 9.832$$

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	11296.25	0.0011	P	3.1
2	☐	50.000	51.855	37878.64	0.0037	P	1.4
3	☐	500.000	512.356	269718.86	0.0266	P	0.5
4	☐	5000.000	5402.636	2699503.60	0.2696	A	0.3
5	☐	12500.000	13474.177	6583234.43	0.6706	A	1.0
6	☐	25000.000	26685.103	12425371.28	1.3270	A	1.0
7	☐	50000.000	53169.198	23707919.45	2.6430	A	1.0
8	☐	100000.00	106737.59	45102832.95	5.3047	A	0.7
9	☐	500000.00	498222.91	202935335.0	24.7568	A	0.5

$$y = 4.9688\text{E-}005 * x + 0.0011$$

$$R = 0.9999$$

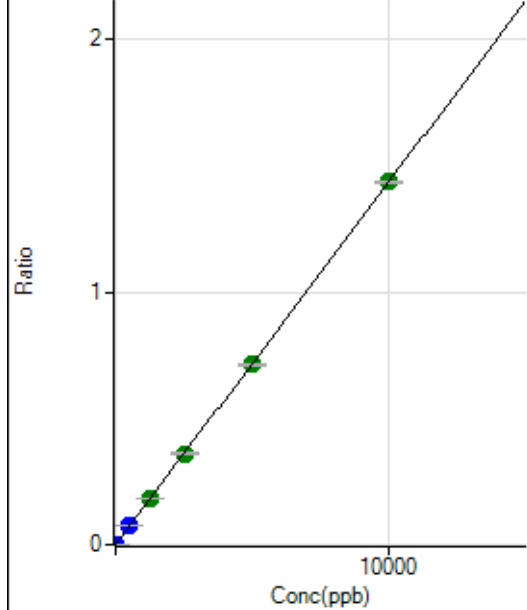
$$DL = 2.084$$

$$BEC = 22.5$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	133.34	0.0000	P	22.2
2	☐	0.500	0.587	997.28	0.0001	P	14.8
3	☐	5.000	5.060	7496.47	0.0007	P	3.1
4	☐	500.000	519.094	745496.83	0.0744	P	1.1
5	☐	1250.000	1258.831	1772000.02	0.1805	A	1.4
6	☐	2500.000	2504.918	3363037.16	0.3592	A	1.3
7	☐	5000.000	4963.390	6383836.25	0.7117	A	1.2
8	☐	10000.000	10015.017	12209618.07	1.4360	A	0.5
9	☐			17849.80	0.0022	P	3.7

$$y = 1.4339E-004 * x + 1.3205E-005$$

$$R = 1.0000$$

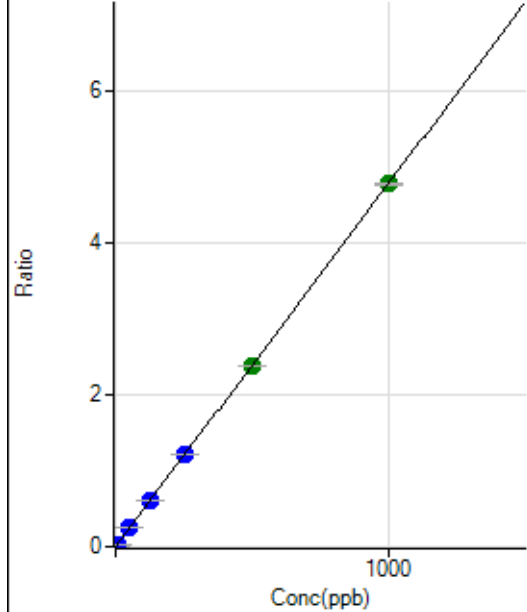
$$DL = 0.06136$$

$$BEC = 0.09209$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	16.67	0.0000	P	34.4
2	☐	0.500	0.513	2085.72	0.0025	P	2.2
3	☐	5.000	5.052	20285.96	0.0242	P	1.2
4	☐	50.000	51.701	202051.63	0.2471	P	0.8
5	☐	125.000	128.084	476361.93	0.6121	P	0.2
6	☐	250.000	254.489	896022.57	1.2162	P	0.6
7	☐	500.000	498.144	1606249.45	2.3807	A	0.8
8	☐	1000.000	999.335	3150770.89	4.7759	A	0.5
9	☐			5930.11	0.0086	P	1.8

$$y = 0.0048 * x + 1.9752E-005$$

$$R = 1.0000$$

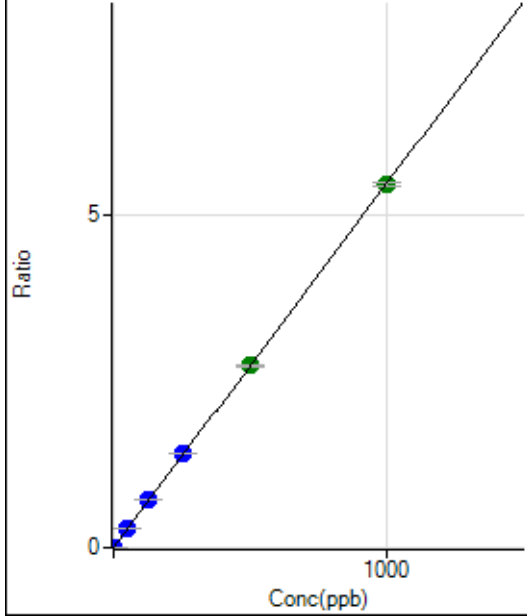
$$DL = 0.00426$$

$$BEC = 0.004133$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	1541.21	0.0018	P	1.9
2	☐	0.200	0.202	2480.23	0.0029	P	3.9
3	☐	2.000	2.051	10970.74	0.0131	P	2.5
4	☐	50.000	52.570	237082.79	0.2900	P	0.4
5	☐	125.000	129.685	554538.10	0.7126	P	0.5
6	☐	250.000	259.411	1048799.13	1.4236	P	0.9
7	☐	500.000	499.367	1847851.80	2.7387	A	0.5
8	☐	1000.000	997.249	3607044.98	5.4675	A	1.1
9	☐			16916.28	0.0246	P	1.9

$$y = 0.0055 * x + 0.0018$$

$$R = 0.9999$$

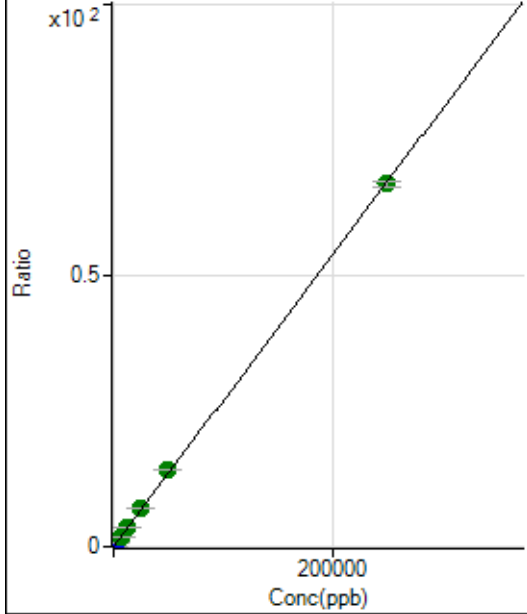
$$DL = 0.01944$$

$$BEC = 0.3335$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	1468.25	0.0017	P	8.7
2	☐	5.000	6.152	2866.57	0.0034	P	6.0
3	☐	50.000	54.156	13686.91	0.0163	P	2.7
4	☐	2500.000	2818.469	621010.95	0.7595	P	0.8
5	☐	6250.000	6684.646	1399941.59	1.7989	A	2.1
6	☐	12500.000	13318.154	2639254.92	3.5824	A	1.6
7	☐	25000.000	26482.783	4805028.61	7.1217	A	0.4
8	☐	50000.000	52610.777	9332802.05	14.1463	A	0.7
9	☐	250000.00	249274.60	46148321.28	67.0202	A	1.3

$$y = 2.6885E-004 * x + 0.0017$$

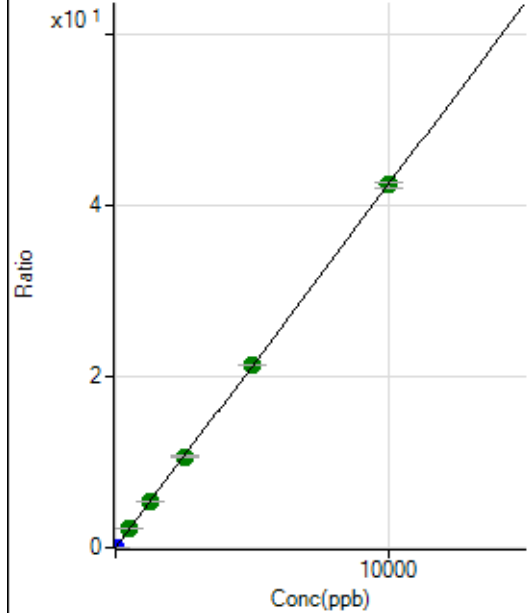
$$R = 0.9999$$

$$DL = 1.7$$

$$BEC = 6.479$$

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	185.56	0.0002	P	24.7
2	☐	0.100	0.113	592.24	0.0007	P	11.4
3	☐	1.000	1.004	3761.62	0.0045	P	2.8
4	☐	500.000	505.636	1754278.72	2.1455	A	0.3
5	☐	1250.000	1255.198	4144379.38	5.3256	A	1.0
6	☐	2500.000	2498.819	7810777.38	10.6019	A	1.3
7	☐	5000.000	5022.599	14377704.79	21.3095	A	0.4
8	☐	10000.000	9988.064	27956357.64	42.3763	A	1.3
9	☐			56542.40	0.0821	P	1.0

$$y = 0.0042 * x + 2.2020E-004$$

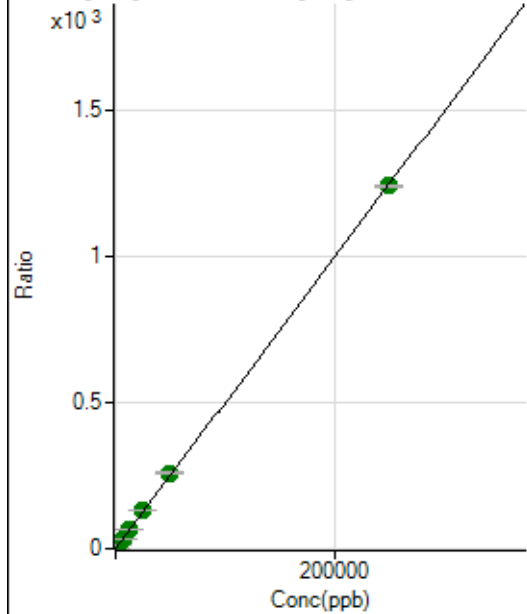
$$R = 1.0000$$

$$DL = 0.0385$$

$$BEC = 0.0519$$

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	14294.01	0.0170	P	0.7
2	☐	5.000	5.448	37174.00	0.0440	P	0.4
3	☐	50.000	53.114	235864.05	0.2809	P	0.1
4	☐	2500.000	2646.642	10770028.72	13.1712	A	0.5
5	☐	6250.000	6590.186	25502331.82	32.7712	A	0.5
6	☐	12500.000	13061.930	47840630.24	64.9367	A	1.1
7	☐	25000.000	26218.393	87933036.22	130.3263	A	0.5
8	☐	50000.000	52190.553	171139501.9	259.4118	A	0.7
9	☐	250000.00	249401.98	853560648.7	1,239.582	A	0.4

$$y = 0.0050 * x + 0.0170$$

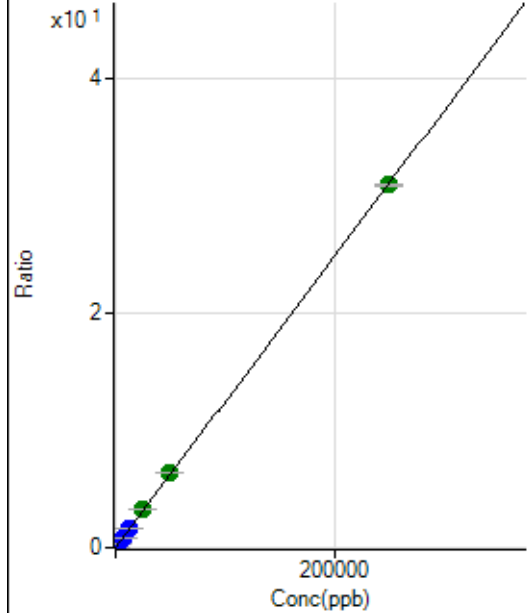
$$R = 1.0000$$

$$DL = 0.06985$$

$$BEC = 3.411$$

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	459.28	0.0005	P	7.5
2	☐	5.000	5.702	1055.62	0.0013	P	10.6
3	☐	50.000	53.018	5967.95	0.0071	P	1.0
4	☐	2500.000	2731.973	277009.33	0.3388	P	0.9
5	☐	6250.000	6740.934	649857.46	0.8351	P	0.8
6	☐	12500.000	13419.804	1224390.96	1.6619	P	1.2
7	☐	25000.000	26151.909	2184811.06	3.2382	A	0.5
8	☐	50000.000	51634.344	4217624.55	6.3930	A	0.8
9	☐	250000.00	249497.35	21269585.20	30.8888	A	0.8

$$y = 1.2380\text{E-}004 * x + 5.4466\text{E-}004$$

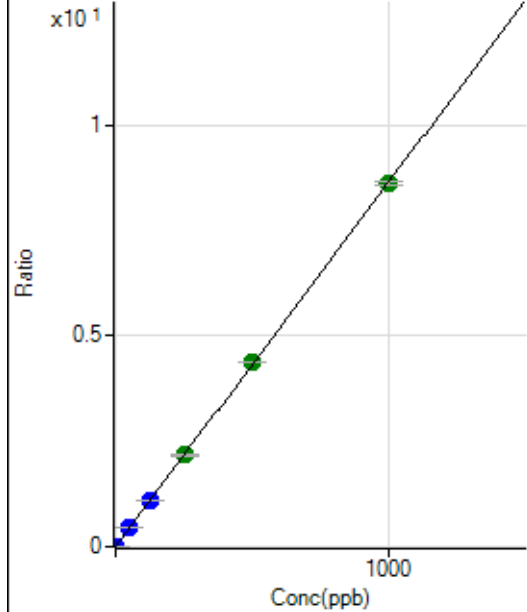
$$R = 1.0000$$

$$DL = 0.9872$$

$$BEC = 4.399$$

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	97.78	0.0001	P	7.1
2	☐	0.100	0.108	882.26	0.0010	P	3.2
3	☐	1.000	1.042	7650.89	0.0091	P	2.8
4	☐	50.000	52.651	371945.09	0.4549	P	0.8
5	☐	125.000	128.308	862502.74	1.1083	P	0.4
6	☐	250.000	251.922	1603150.46	2.1760	A	1.6
7	☐	500.000	505.939	2948481.76	4.3700	A	0.3
8	☐	1000.000	996.004	5675367.14	8.6028	A	1.0
9	☐			24595.80	0.0357	P	2.3

$$y = 0.0086 * x + 1.1598\text{E-}004$$

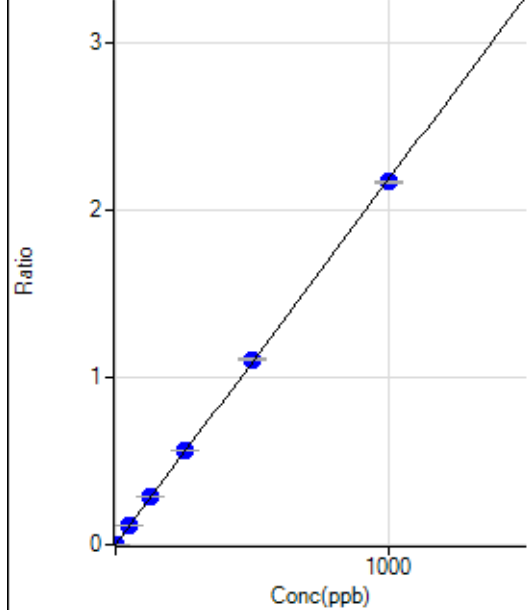
$$R = 1.0000$$

$$DL = 0.002858$$

$$BEC = 0.01343$$

Weight: <None>

Min Conc: 0

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

	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	80.00	0.0001	P	3.9
2	☐	0.100	0.099	263.34	0.0003	P	15.7
3	☐	1.000	1.016	1941.26	0.0023	P	3.8
4	☐	50.000	53.007	94708.75	0.1158	P	1.4
5	☐	125.000	130.605	221969.58	0.2852	P	1.2
6	☐	250.000	257.327	413945.87	0.5619	P	0.4
7	☐	500.000	507.226	747228.68	1.1075	P	0.4
8	☐	1000.000	993.704	1431335.78	2.1696	P	0.2
9	☐			7306.29	0.0106	P	1.6

$$y = 0.0022 * x + 9.4885E-005$$

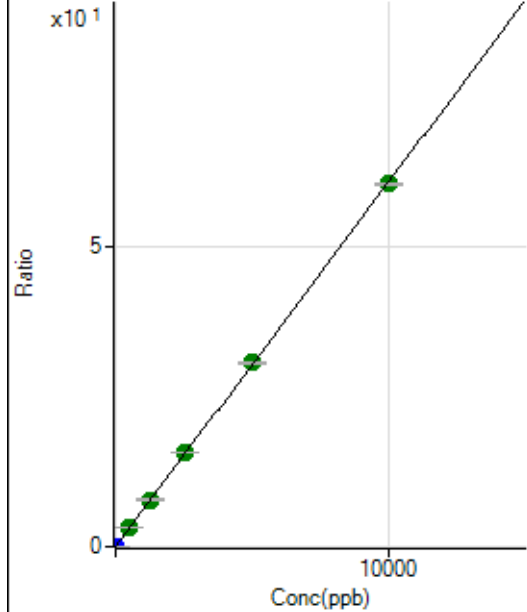
$$R = 0.9999$$

$$DL = 0.005087$$

$$BEC = 0.04346$$

Weight: <None>

Min Conc: 0

63 Cu [He] ISTD:45 Sc [He]

	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	775.58	0.0009	P	3.5
2	☐	0.200	0.215	1877.91	0.0022	P	4.6
3	☐	2.000	2.095	11429.98	0.0136	P	2.1
4	☐	500.000	527.156	2612200.26	3.1946	A	0.8
5	☐	1250.000	1291.341	6088793.45	7.8243	A	0.2
6	☐	2500.000	2569.291	11467924.97	15.5665	A	0.3
7	☐	5000.000	5043.319	20616122.89	30.5550	A	1.0
8	☐	10000.000	9954.492	39788150.24	60.3085	A	0.7
9	☐			59487.62	0.0864	P	1.4

$$y = 0.0061 * x + 9.2001E-004$$

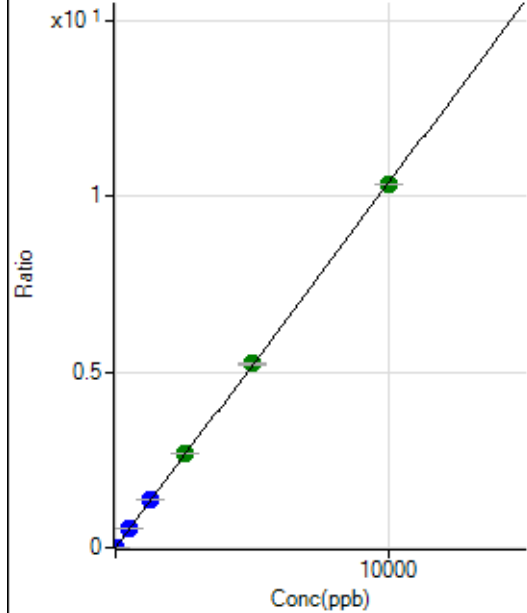
$$R = 1.0000$$

$$DL = 0.01602$$

$$BEC = 0.1519$$

Weight: <None>

Min Conc: 0

66 Zn [He] ISTD:45 Sc [He]

	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	370.01	0.0004	P	7.5
2	☒	0.200					
3	☐	2.000	2.109	2205.74	0.0026	P	3.1
4	☐	500.000	520.809	442247.94	0.5409	P	0.2
5	☐	1250.000	1294.144	1045360.05	1.3433	P	0.2
6	☐	2500.000	2566.106	1961962.56	2.6632	A	0.3
7	☐	5000.000	5051.208	3536683.52	5.2419	A	0.6
8	☐	10000.000	9951.311	6812760.94	10.3265	A	0.2
9	☐			19381.58	0.0281	P	0.5

$$y = 0.0010 * x + 4.3880E-004$$

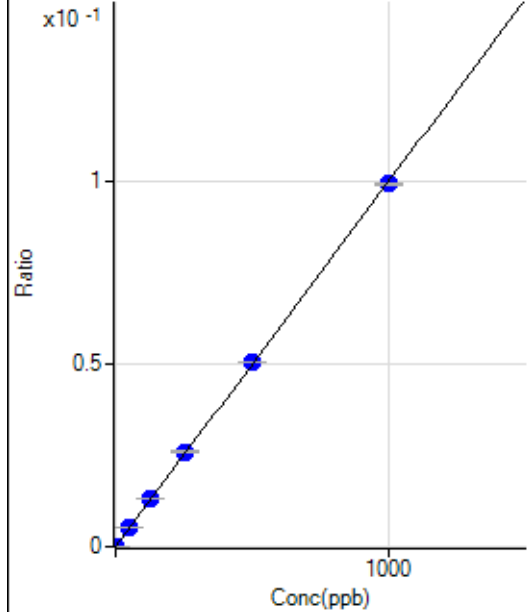
$$R = 1.0000$$

$$DL = 0.09519$$

$$BEC = 0.4229$$

Weight: <None>

Min Conc: 0

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

	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	9.88	0.0000	P	43.8
2	☐	0.100	0.127	78.40	0.0000	P	17.5
3	☐	1.000	1.125	608.04	0.0001	P	2.0
4	☐	50.000	53.723	27897.12	0.0054	P	1.5
5	☐	125.000	131.972	66404.12	0.0132	P	1.1
6	☐	250.000	259.808	124971.95	0.0259	P	0.9
7	☐	500.000	505.314	228167.93	0.0505	P	0.7
8	☐	1000.000	993.833	447372.03	0.0992	P	0.8
9	☐			760.52	0.0002	P	10.4

$$y = 9.9852E-005 * x + 1.8643E-006$$

$$R = 0.9999$$

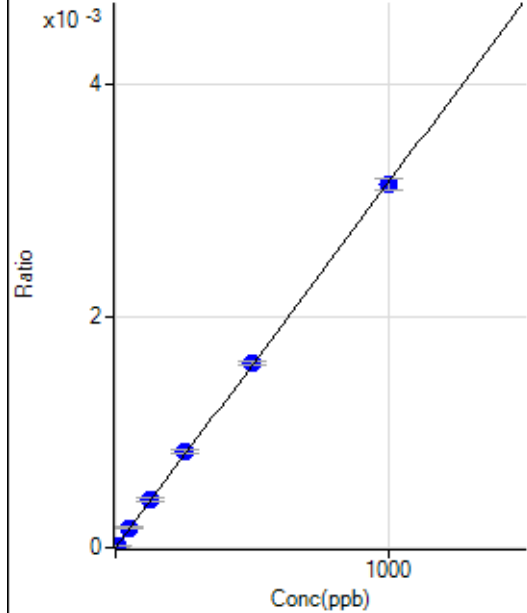
$$DL = 0.02455$$

$$BEC = 0.01867$$

Weight: <None>

Min Conc: 0

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



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	0.00	0.0000	P	
2	☐	0.500	0.721	12.22	0.0000	P	68.7
3	☐	5.000	4.694	78.89	0.0000	P	23.4
4	☐	50.000	54.921	901.15	0.0002	P	6.3
5	☐	125.000	130.589	2076.84	0.0004	P	8.4
6	☐	250.000	261.746	3979.46	0.0008	P	3.4
7	☐	500.000	505.692	7217.38	0.0016	P	2.3
8	☐	1000.000	993.274	14135.74	0.0031	P	3.1
9	☐			14.45	0.0000	P	47.5

$$y = 3.1566\text{E-}006 * x + 0.0000\text{E+}000$$

$$R = 0.9999$$

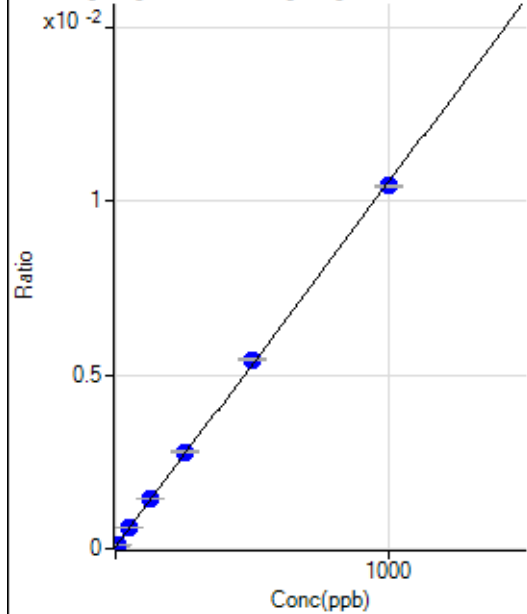
$$DL = 0$$

$$BEC = 0$$

Weight: <None>

Min Conc: 0

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



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	302.47	0.0001	P	2.9
2	☐	0.500	0.289	322.84	0.0001	P	6.0
3	☐	5.000	5.248	596.93	0.0001	P	10.0
4	☐	50.000	53.090	3192.95	0.0006	P	3.5
5	☐	125.000	130.673	7197.46	0.0014	P	1.3
6	☐	250.000	259.952	13415.36	0.0028	P	1.4
7	☐	500.000	513.107	24609.94	0.0054	P	0.9
8	☐	1000.000	990.094	47101.57	0.0104	P	0.2
9	☐			312.97	0.0001	P	8.0

$$y = 1.0495\text{E-}005 * x + 5.7002\text{E-}005$$

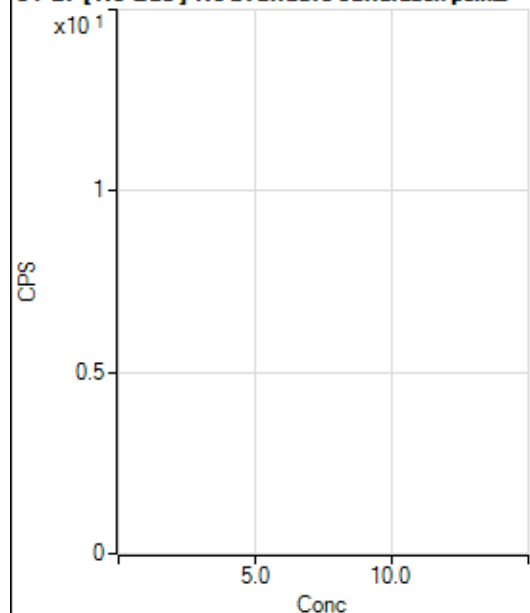
$$R = 0.9998$$

$$DL = 0.4668$$

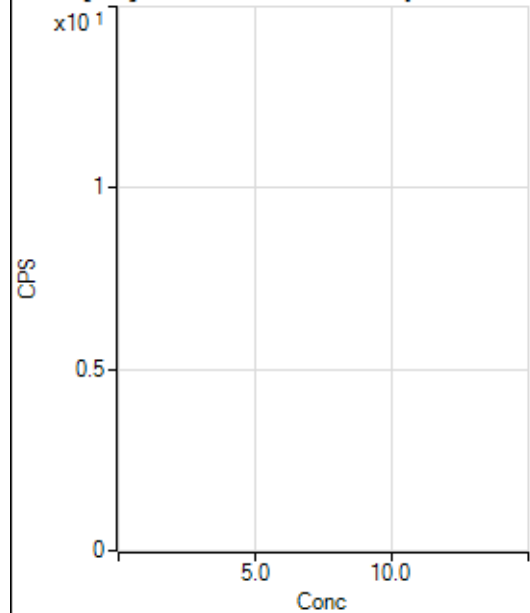
$$BEC = 5.431$$

Weight: <None>

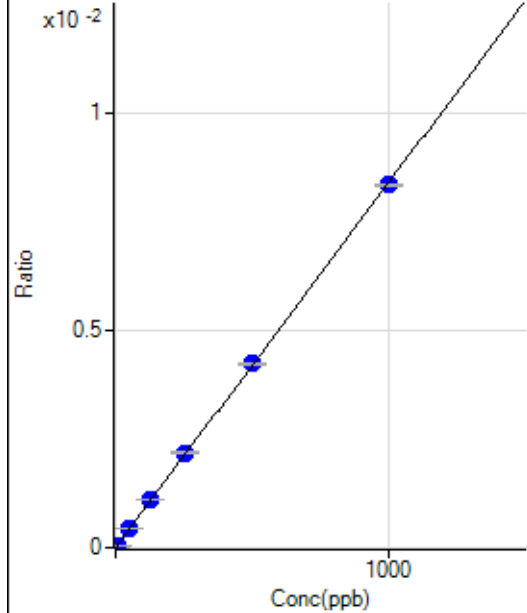
Min Conc: 0

81 Br [No Gas] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			23761.28		P	1.2
2	☐			18278.57		P	2.3
3	☐			17330.01		P	2.3
4	☐			16673.74		P	2.0
5	☐			16326.11		P	0.9
6	☐			15658.78		P	1.7
7	☐			14360.06		P	0.8
8	☐			12761.38		P	0.6
9	☐			14187.74		P	5.6

81 Br [He] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			1458.24		P	5.0
2	☐			213.56		P	39.3
3	☐			136.81		P	22.4
4	☐			100.10		P	17.3
5	☐			133.47		P	26.3
6	☐			140.15		P	14.3
7	☐			133.47		P	30.3
8	☐			63.40		P	9.1
9	☐			180.19		P	24.2

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	-17.59	0.0000	P	-356.
2	☒	0.500					
3	☐	5.000	4.884	864.33	0.0000	P	17.1
4	☐	50.000	52.729	9448.38	0.0004	P	1.2
5	☐	125.000	130.722	23219.58	0.0011	P	1.6
6	☐	250.000	260.187	44893.15	0.0022	P	2.0
7	☐	500.000	504.033	84641.92	0.0042	P	0.9
8	☐	1000.000	994.586	161635.08	0.0083	P	0.5
9	☐			319.00	0.0000	P	24.2

$$y = 8.3883\text{E-}006 * x - 7.9951\text{E-}007$$

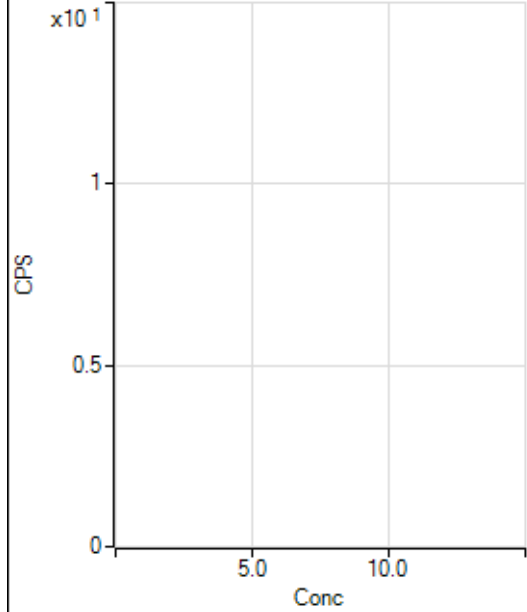
$$R = 0.9999$$

$$DL = 1.02$$

$$BEC = -0.09531$$

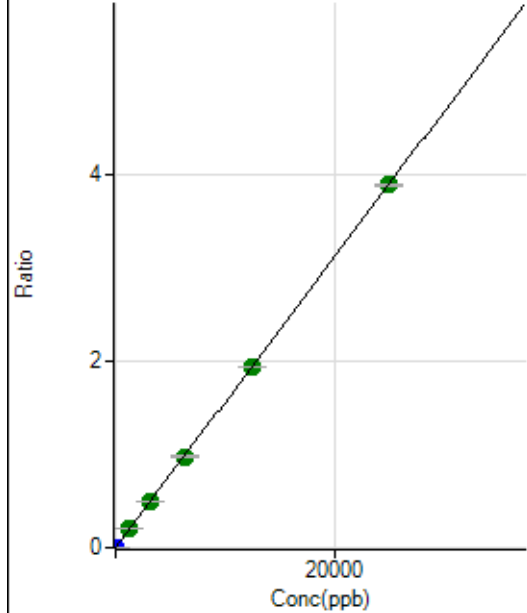
Weight: <None>

Min Conc: 0

83 Kr [No Gas] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			2145.73		P	4.0
2	☐			2052.39		P	5.3
3	☐			2111.28		P	8.7
4	☐			2089.06		P	2.8
5	☐			2003.49		P	1.8
6	☐			1849.02		P	0.5
7	☐			1901.25		P	3.2
8	☐			1721.23		P	3.6
9	☐			1796.80		P	4.8

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	3400.49	0.0002	P	5.1
2	☐	0.100	0.064	3622.77	0.0002	P	6.4
3	☐	1.000	1.005	6773.97	0.0003	P	5.9
4	☐	1250.000	1280.179	4258580.74	0.1990	A	0.5
5	☐	3125.000	3175.569	10455385.82	0.4934	A	0.7
6	☐	6250.000	6281.200	20076926.67	0.9757	A	1.3
7	☐	12500.000	12469.986	38783075.86	1.9369	A	0.2
8	☐	25000.000	24999.377	75236350.99	3.8828	A	0.7
9	☐			113326.23	0.0062	P	0.3

$$y = 1.5531\text{E-}004 * x + 1.5847\text{E-}004$$

$$R = 1.0000$$

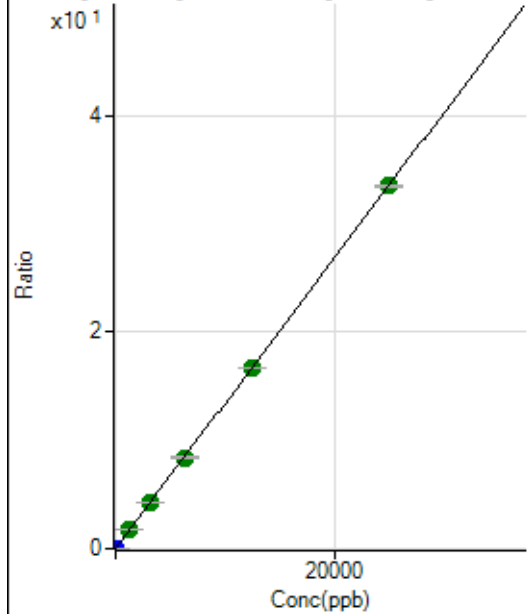
$$DL = 0.1554$$

$$BEC = 1.02$$

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	722.26	0.0000	P	9.8
2	☐	0.100	0.098	3544.95	0.0002	P	9.3
3	☐	1.000	1.000	29624.90	0.0014	P	0.4
4	☐	1250.000	1273.550	36562433.46	1.7085	A	0.5
5	☐	3125.000	3164.623	89964858.26	4.2453	A	0.9
6	☐	6250.000	6286.100	173515585.8	8.4326	A	1.6
7	☐	12500.000	12470.164	334959996.3	16.7283	A	0.5
8	☐	25000.000	24999.763	649800347.8	33.5363	A	0.5
9	☐			961541.87	0.0526	P	0.7

$$y = 0.0013 * x + 3.3629\text{E-}005$$

$$R = 1.0000$$

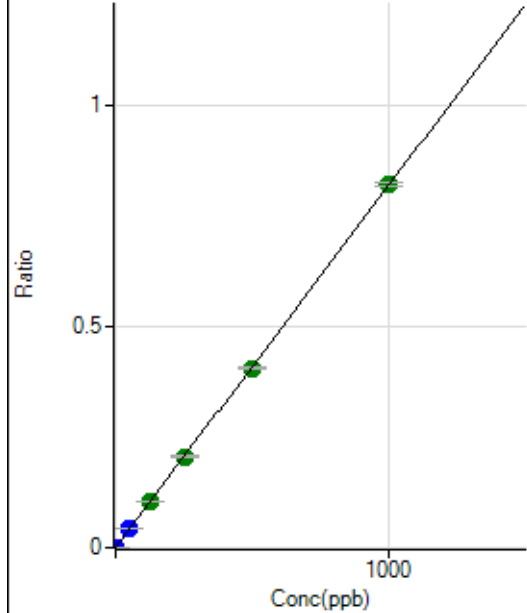
$$DL = 0.007389$$

$$BEC = 0.02507$$

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	919.50	0.0000	P	8.0
2	☐	0.100	0.099	2666.98	0.0001	P	1.6
3	☐	1.000	0.960	17880.75	0.0008	P	5.8
4	☐	50.000	51.692	907808.21	0.0424	P	1.3
5	☐	125.000	127.263	2211829.87	0.1044	A	1.6
6	☐	250.000	250.233	4221985.77	0.2052	A	2.2
7	☐	500.000	495.171	8129019.97	0.4060	A	0.9
8	☐	1000.000	1001.989	15917453.31	0.8215	A	1.1
9	☐			29112.92	0.0016	P	1.6

$$y = 8.1980\text{E-}004 * x + 4.2850\text{E-}005$$

$$R = 1.0000$$

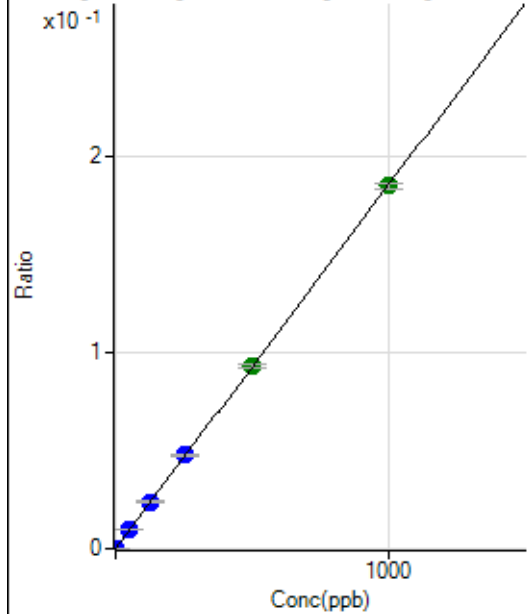
$$DL = 0.0125$$

$$BEC = 0.05227$$

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	172.23	0.0000	P	6.9
2	☐	0.100	0.095	550.03	0.0000	P	4.7
3	☐	1.000	0.963	4008.98	0.0002	P	6.7
4	☐	50.000	52.159	206739.11	0.0097	P	1.6
5	☐	125.000	129.362	507463.67	0.0239	P	1.4
6	☐	250.000	257.361	980126.78	0.0476	P	1.4
7	☐	500.000	500.167	1853289.89	0.0926	A	1.9
8	☐	1000.000	997.423	3576556.11	0.1846	A	1.4
9	☐			6696.14	0.0004	P	4.9

$$y = 1.8505\text{E-}004 * x + 8.0284\text{E-}006$$

$$R = 1.0000$$

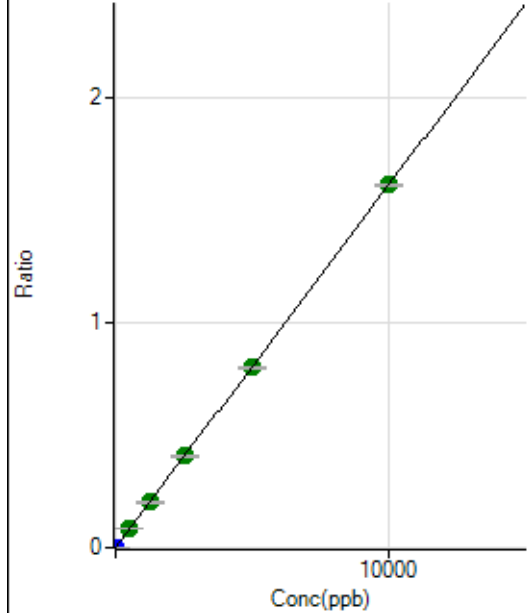
$$DL = 0.009026$$

$$BEC = 0.04339$$

Weight: <None>

Min Conc: 0

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



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	283.34	0.0000	P	13.6
2	☐	0.500	0.584	2305.80	0.0001	P	6.2
3	☐	5.000	6.087	21366.07	0.0010	P	0.2
4	☐	500.000	515.178	1773479.36	0.0829	A	1.2
5	☐	1250.000	1260.102	4294683.30	0.2027	A	2.2
6	☐	2500.000	2521.942	8346292.81	0.4056	A	1.4
7	☐	5000.000	4961.707	15977463.20	0.7980	A	1.4
8	☐	10000.000	10011.639	31199291.32	1.6102	A	0.9
9	☐			47684.01	0.0026	P	0.9

$$y = 1.6083E-004 * x + 1.3210E-005$$

$$R = 1.0000$$

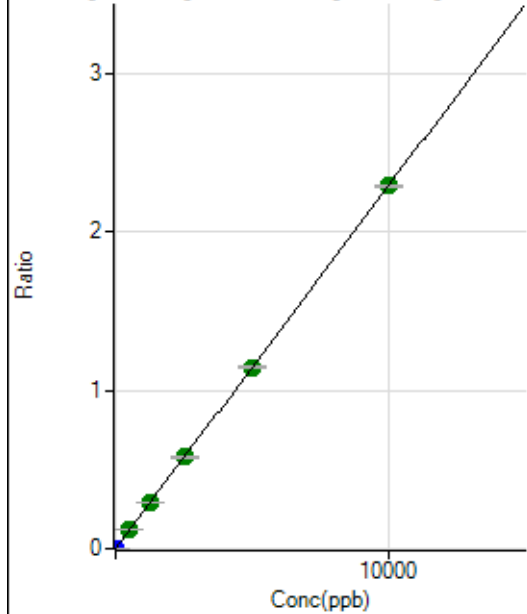
$$DL = 0.03353$$

$$BEC = 0.08214$$

Weight: <None>

Min Conc: 0

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



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	38.89	0.0000	P	63.3
2	☐	0.500	0.502	2511.40	0.0001	P	2.8
3	☐	5.000	5.120	25266.74	0.0012	P	2.1
4	☐	500.000	512.611	2510551.14	0.1173	A	0.1
5	☐	1250.000	1259.815	6109185.12	0.2883	A	2.1
6	☐	2500.000	2536.017	11941653.65	0.5803	A	1.6
7	☐	5000.000	4982.947	22831941.31	1.1403	A	1.1
8	☐	10000.000	9997.665	44329672.17	2.2879	A	0.3
9	☐			67099.17	0.0037	P	0.8

$$y = 2.2884E-004 * x + 1.8218E-006$$

$$R = 1.0000$$

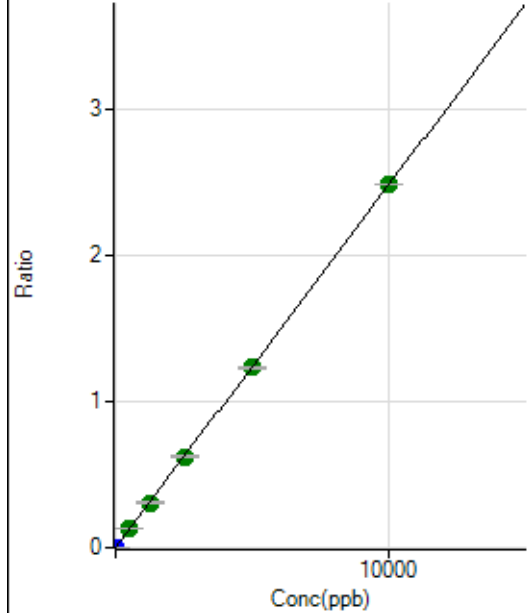
$$DL = 0.01512$$

$$BEC = 0.007961$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	147.22	0.0000	P	4.1
2	☐	0.500	0.527	2961.50	0.0001	P	2.0
3	☐	5.000	5.177	27826.97	0.0013	P	2.0
4	☐	500.000	513.221	2727293.18	0.1274	A	0.9
5	☐	1250.000	1242.825	6539199.97	0.3086	A	2.4
6	☐	2500.000	2507.891	12813547.59	0.6227	A	1.6
7	☐	5000.000	4971.898	24719502.29	1.2345	A	1.0
8	☐	10000.000	10012.314	48170112.88	2.4861	A	0.2
9	☐			77614.70	0.0042	P	1.6

$$y = 2.4830E-004 * x + 6.8605E-006$$

$$R = 1.0000$$

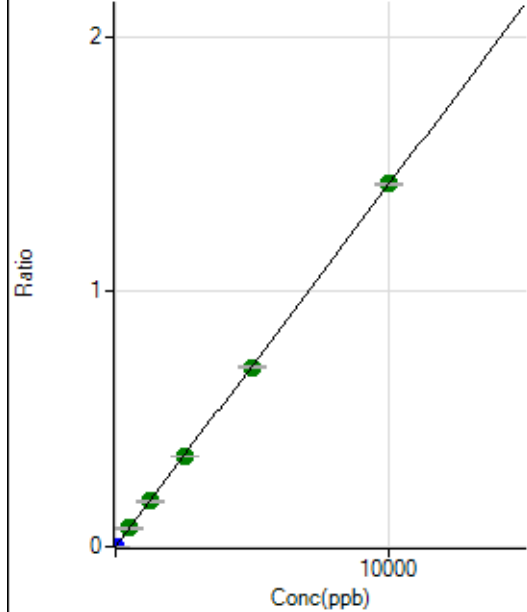
$$DL = 0.003374$$

$$BEC = 0.02763$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	33.33	0.0000	P	26.2
2	☐	0.500	0.548	1708.47	0.0001	P	12.1
3	☐	5.000	5.039	15436.31	0.0007	P	2.2
4	☐	500.000	505.329	1535225.35	0.0717	A	1.0
5	☐	1250.000	1259.847	3789897.70	0.1789	A	2.0
6	☐	2500.000	2502.326	7309803.03	0.3552	A	1.1
7	☐	5000.000	4943.129	14050554.39	0.7017	A	1.0
8	☐	10000.000	10026.357	27579646.97	1.4234	A	0.6
9	☐			40941.36	0.0022	P	1.4

$$y = 1.4196E-004 * x + 1.5560E-006$$

$$R = 1.0000$$

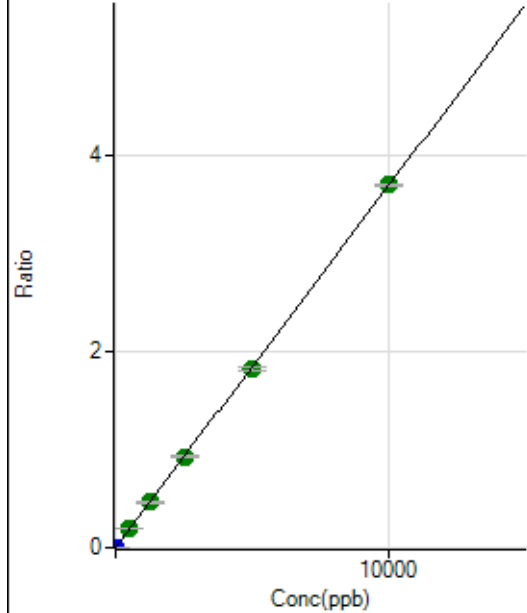
$$DL = 0.008613$$

$$BEC = 0.01096$$

Weight: <None>

Min Conc: 0

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



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	77.78	0.0000	P	17.7
2	☐	0.500	0.533	4306.30	0.0002	P	3.0
3	☐	5.000	5.081	40387.23	0.0019	P	3.2
4	☐	500.000	507.748	4003386.85	0.1871	A	0.8
5	☐	1250.000	1254.935	9796759.33	0.4623	A	2.5
6	☐	2500.000	2510.568	19032060.50	0.9249	A	1.5
7	☐	5000.000	4938.547	36428707.76	1.8194	A	1.3
8	☐	10000.000	10027.080	71578012.02	3.6941	A	0.6
9	☐			105922.21	0.0058	P	1.8

$$y = 3.6841\text{E-}004 * x + 3.6289\text{E-}006$$

$$R = 1.0000$$

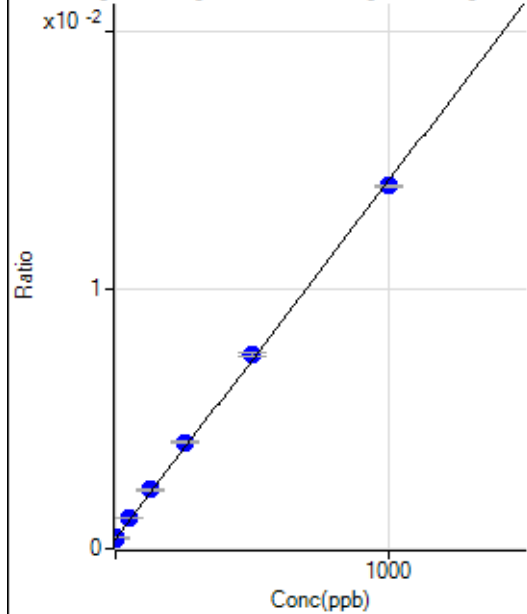
$$DL = 0.005226$$

$$BEC = 0.00985$$

Weight: <None>

Min Conc: 0

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



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	7246.46	0.0004	P	4.1
2	☐	0.100	1.629	7721.71	0.0004	P	1.1
3	☐	1.000	3.364	8044.10	0.0004	P	1.8
4	☐	50.000	57.599	22111.74	0.0012	P	2.2
5	☐	125.000	137.242	43320.86	0.0023	P	1.7
6	☐	250.000	270.142	76795.05	0.0041	P	0.7
7	☐	500.000	513.752	140198.36	0.0075	P	1.5
8	☐	1000.000	986.176	259883.11	0.0140	P	0.7
9	☐			6604.47	0.0004	P	5.2

$$y = 1.3829\text{E-}005 * x + 3.8378\text{E-}004$$

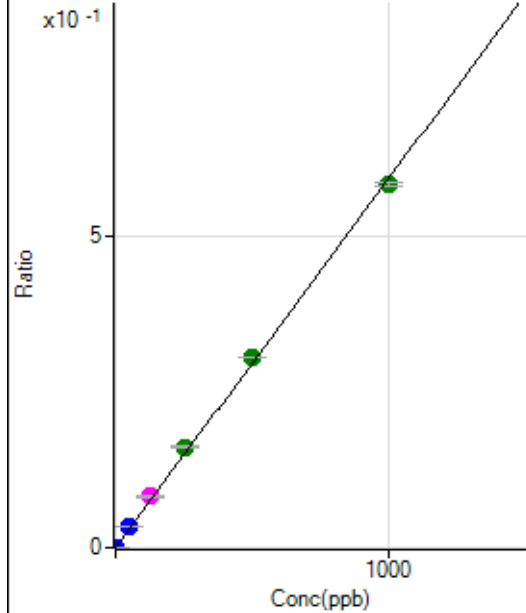
$$R = 0.9996$$

$$DL = 3.439$$

$$BEC = 27.75$$

Weight: <None>

Min Conc: 0

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

	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	77.78	0.0000	P	16.6
2	☐	0.100	0.075	930.61	0.0000	P	18.1
3	☐	1.000	0.928	10373.43	0.0006	P	12.1
4	☐	50.000	57.882	643457.84	0.0343	P	2.5
5	☐	125.000	138.571	1561271.26	0.0822	M	0.9
6	☐	250.000	272.500	3014270.99	0.1617	A	1.2
7	☐	500.000	517.244	5746035.50	0.3069	A	0.4
8	☐	1000.000	983.663	10817566.30	0.5836	A	1.1
9	☐			16640.53	0.0010	P	3.6

$$y = 5.9333\text{E-}004 * x + 4.1199\text{E-}006$$

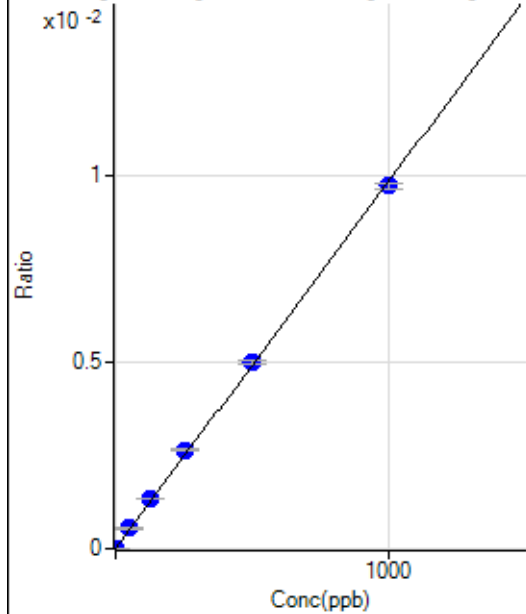
$$R = 0.9994$$

$$DL = 0.003451$$

$$BEC = 0.006944$$

Weight: <None>

Min Conc: 0

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

	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	43.06	0.0000	P	47.4
2	☐	0.100	0.296	98.61	0.0000	P	12.5
3	☐	1.000	1.188	261.12	0.0000	P	20.3
4	☐	50.000	55.458	10256.52	0.0005	P	2.6
5	☐	125.000	135.563	25348.69	0.0013	P	1.1
6	☐	250.000	268.769	49300.24	0.0026	P	1.4
7	☐	500.000	510.219	93946.78	0.0050	P	2.0
8	☐	1000.000	988.605	180171.27	0.0097	P	1.8
9	☐			394.45	0.0000	P	8.9

$$y = 9.8307\text{E-}006 * x + 2.2780\text{E-}006$$

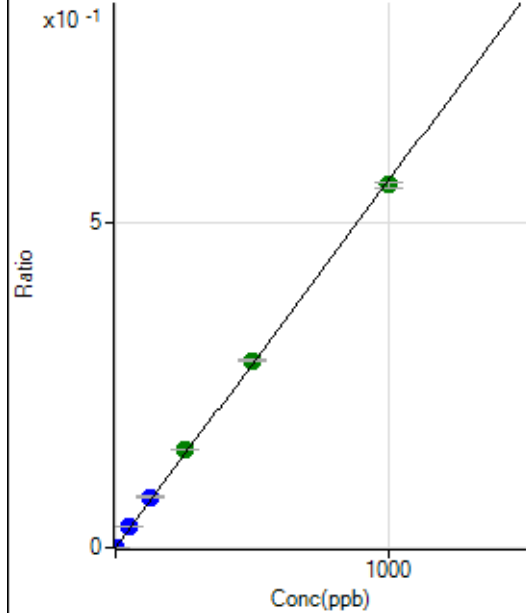
$$R = 0.9997$$

$$DL = 0.3294$$

$$BEC = 0.2317$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	16.67	0.0000	P	50.2
2	☐	0.100	0.074	813.93	0.0000	P	7.8
3	☐	1.000	0.919	9703.50	0.0005	P	11.3
4	☐	50.000	57.715	609475.46	0.0325	P	2.6
5	☐	125.000	138.748	1485122.43	0.0782	P	1.3
6	☐	250.000	267.118	2806998.20	0.1506	A	1.6
7	☐	500.000	510.275	5385113.27	0.2876	A	1.0
8	☐	1000.000	988.479	10326983.56	0.5572	A	1.5
9	☐			16023.17	0.0009	P	1.7

$$y = 5.6367\text{E-}004 * x + 8.8298\text{E-}007$$

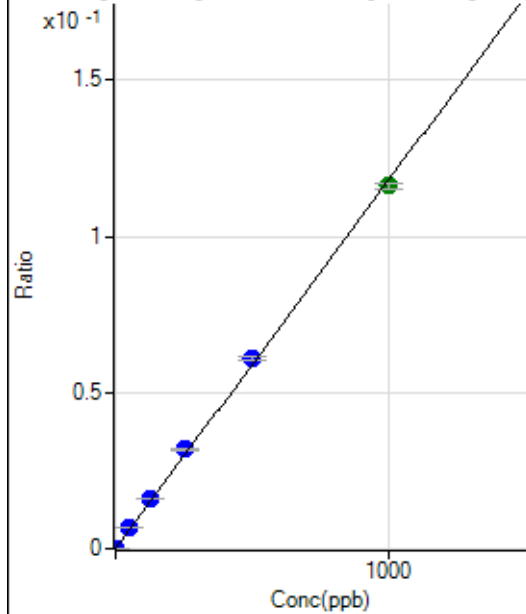
$$R = 0.9997$$

$$DL = 0.002359$$

$$BEC = 0.001566$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	28.39	0.0000	P	84.9
2	☐	0.100	0.110	274.11	0.0000	P	17.0
3	☐	1.000	1.105	2462.06	0.0001	P	2.3
4	☐	50.000	56.540	124885.65	0.0067	P	1.5
5	☐	125.000	136.596	305753.64	0.0161	P	0.4
6	☐	250.000	269.398	592009.40	0.0318	P	1.1
7	☐	500.000	516.716	1140289.97	0.0609	P	1.4
8	☐	1000.000	985.016	2151903.99	0.1161	A	1.9
9	☐			3245.17	0.0002	P	2.9

$$y = 1.1787\text{E-}004 * x + 1.5060\text{E-}006$$

$$R = 0.9996$$

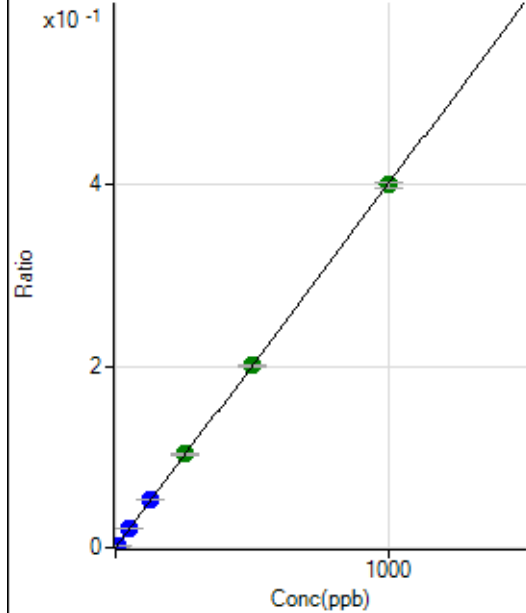
$$DL = 0.03254$$

$$BEC = 0.01278$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	1313.99	0.0001	P	14.7
2	☐	0.500	0.538	5417.84	0.0003	P	4.4
3	☐	5.000	5.369	41546.85	0.0022	P	1.5
4	☐	50.000	54.739	412528.94	0.0220	P	1.7
5	☐	125.000	133.622	1018751.54	0.0536	P	1.4
6	☐	250.000	256.854	1921383.18	0.1031	A	1.3
7	☐	500.000	500.359	3757671.52	0.2007	A	0.9
8	☐	1000.000	996.791	7409259.45	0.3998	A	1.9
9	☐			17730.81	0.0010	P	2.6

$$y = 4.0099\text{E-}004 * x + 6.9566\text{E-}005$$

$$R = 0.9999$$

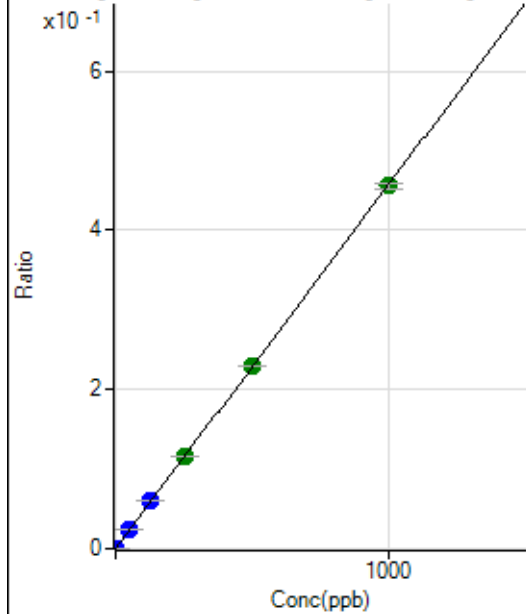
$$DL = 0.07668$$

$$BEC = 0.1735$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	83.34	0.0000	P	19.9
2	☐	0.200	0.207	1886.29	0.0001	P	13.2
3	☐	2.000	2.112	18136.81	0.0010	P	1.6
4	☐	50.000	53.780	460679.57	0.0246	P	2.2
5	☐	125.000	130.782	1135330.31	0.0598	P	0.5
6	☐	250.000	254.077	2165387.05	0.1162	A	0.1
7	☐	500.000	502.074	4297216.11	0.2295	A	0.6
8	☐	1000.000	997.032	8447910.26	0.4558	A	1.9
9	☐			19847.51	0.0011	P	2.7

$$y = 4.5715\text{E-}004 * x + 4.4128\text{E-}006$$

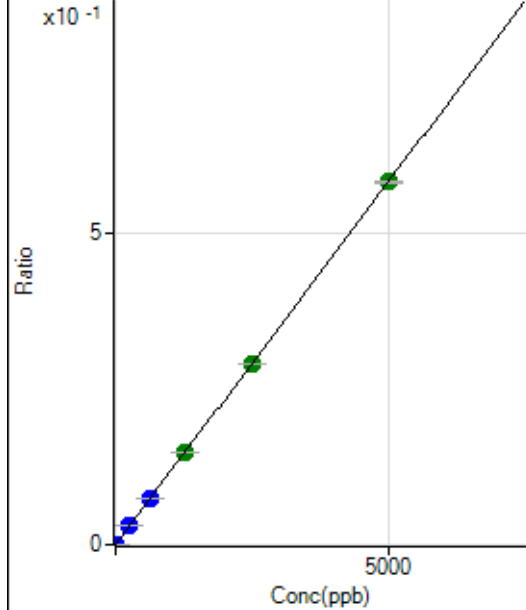
$$R = 1.0000$$

$$DL = 0.005771$$

$$BEC = 0.009653$$

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	33.34	0.0000	P	43.1
2	☐	1.000	1.023	2303.03	0.0001	P	3.2
3	☐	10.000	10.159	22212.28	0.0012	P	0.7
4	☐	250.000	263.633	576781.73	0.0308	P	1.6
5	☐	625.000	645.018	1430193.61	0.0753	P	0.2
6	☐	1250.000	1266.636	2757416.68	0.1479	A	1.3
7	☐	2500.000	2490.706	5445316.66	0.2908	A	0.4
8	☐	5000.000	4997.304	10816011.79	0.5835	A	0.9
9	☐			19700.17	0.0011	P	2.2

$$y = 1.1677\text{E-}004 * x + 1.7642\text{E-}006$$

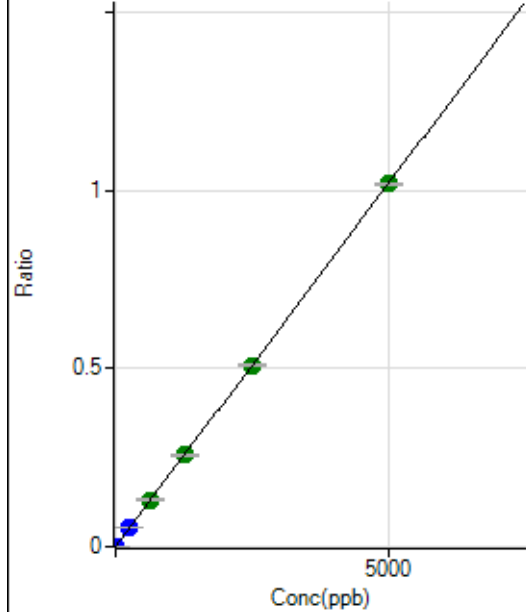
$$R = 1.0000$$

$$DL = 0.01955$$

$$BEC = 0.01511$$

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	61.11	0.0000	P	55.1
2	☐	1.000	1.034	4061.82	0.0002	P	4.0
3	☐	10.000	10.254	39107.31	0.0021	P	0.7
4	☐	250.000	266.678	1017725.87	0.0543	P	1.3
5	☐	625.000	648.395	2507802.62	0.1321	A	0.8
6	☐	1250.000	1262.248	4793143.38	0.2571	A	1.6
7	☐	2500.000	2497.462	9523998.13	0.5087	A	0.8
8	☐	5000.000	4994.448	18856031.50	1.0173	A	0.8
9	☐			34069.14	0.0020	P	1.3

$$y = 2.0369\text{E-}004 * x + 3.2347\text{E-}006$$

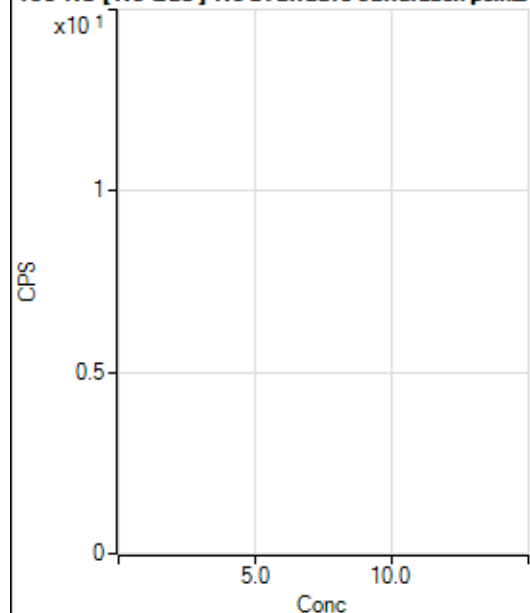
$$R = 1.0000$$

$$DL = 0.02625$$

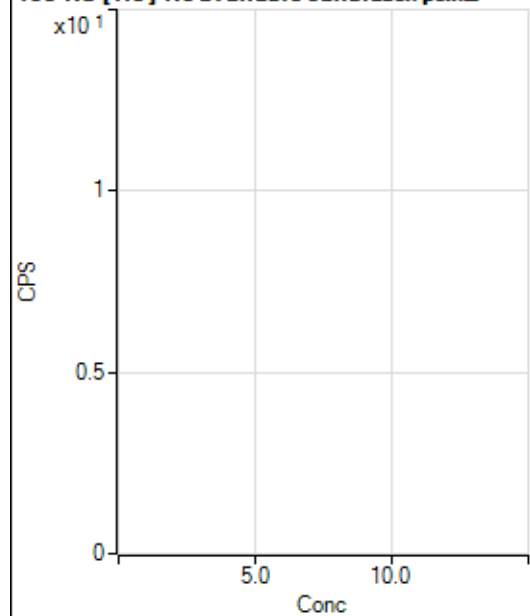
$$BEC = 0.01588$$

Weight: <None>

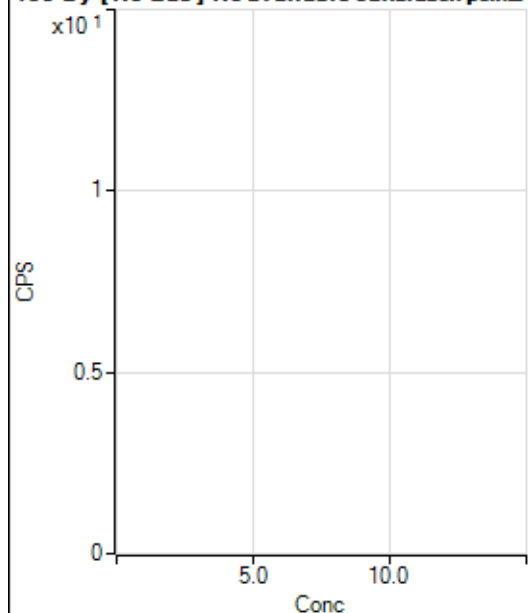
Min Conc: 0

150 Nd [No Gas] No available calibration points

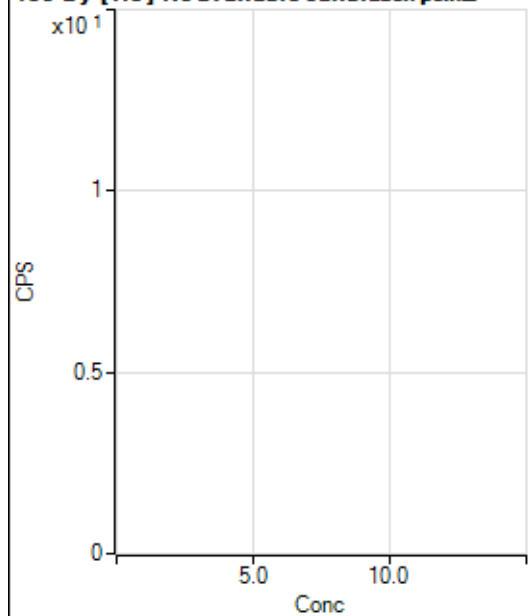
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			15.56		P	49.5
2	☐			17.78		P	21.7
3	☐			11.11		P	91.7
4	☐			66.67		P	34.6
5	☐			117.78		P	28.5
6	☐			222.23		P	14.8
7	☐			395.57		P	17.2
8	☐			868.93		P	11.0
9	☐			113.34		P	35.8

150 Nd [He] No available calibration points

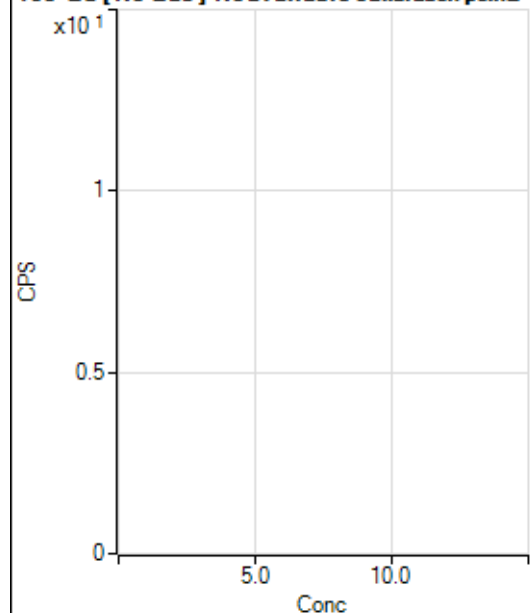
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			11.11		P	45.8
2	☐			8.89		P	21.6
3	☐			3.33		P	100.1
4	☐			30.00		P	38.5
5	☐			30.00		P	40.1
6	☐			56.67		P	30.6
7	☐			87.78		P	30.5
8	☐			152.23		P	3.3
9	☐			58.89		P	26.8

156 Dy [No Gas] No available calibration points

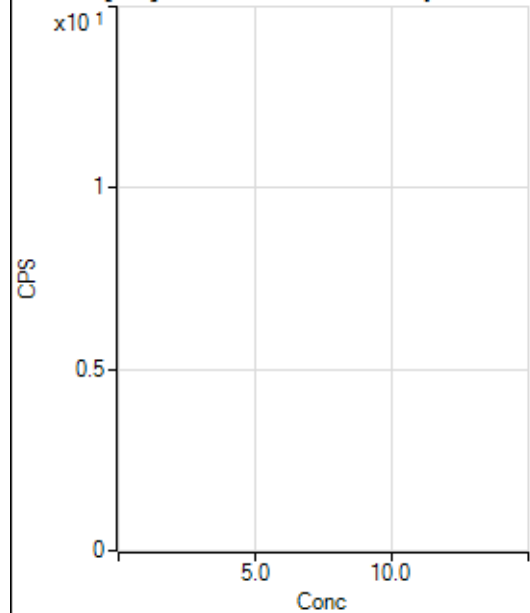
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			16.67		P	86.6
2	☐			5.55		P	86.6
3	☐			19.44		P	49.5
4	☐			50.00		P	60.1
5	☐			83.33		P	60.8
6	☐			119.45		P	10.7
7	☐			230.56		P	40.0
8	☐			386.13		P	16.5
9	☐			1002.84		P	10.8

156 Dy [He] No available calibration points

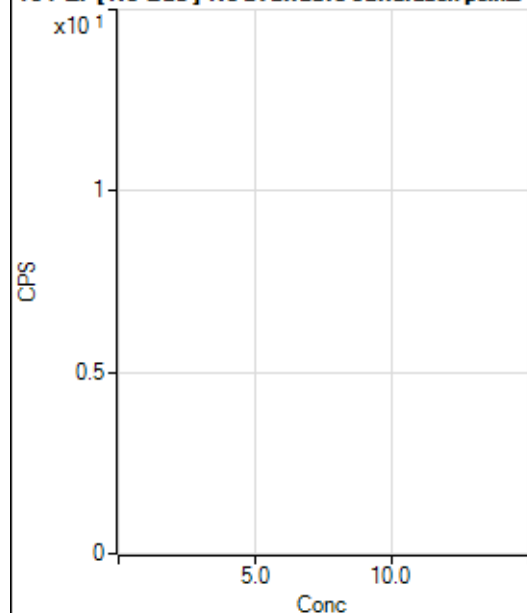
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			5.55		P	69.3
2	☐			7.78		P	89.2
3	☐			7.78		P	49.5
4	☐			40.00		P	41.7
5	☐			67.78		P	14.2
6	☐			106.67		P	0.0
7	☐			197.78		P	6.4
8	☐			432.23		P	8.8
9	☐			641.13		P	14.0

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

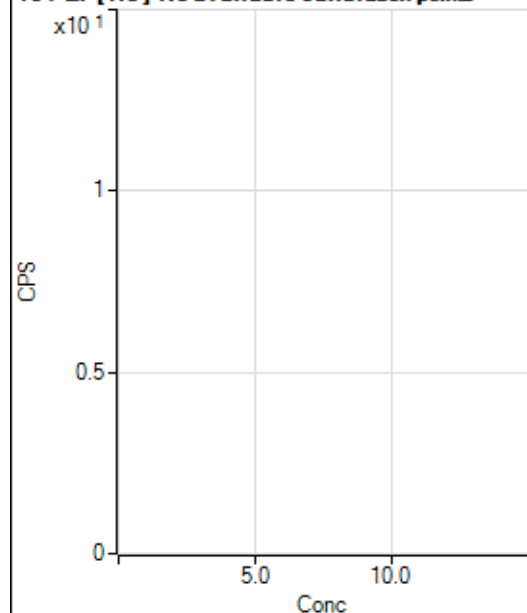
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			97.22		P	34.6
2	☐			100.00		P	14.4
3	☐			133.34		P	10.8
4	☐			108.34		P	23.1
5	☐			169.45		P	19.9
6	☐			144.45		P	8.8
7	☐			216.67		P	6.7
8	☐			283.34		P	17.9
9	☐			777.82		P	14.5

160 Gd [He] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			333.34		P	5.6
2	☐			330.01		P	11.5
3	☐			355.56		P	9.2
4	☐			330.01		P	4.0
5	☐			326.67		P	4.4
6	☐			344.45		P	12.0
7	☐			411.12		P	21.4
8	☐			464.46		P	5.2
9	☐			811.14		P	9.9

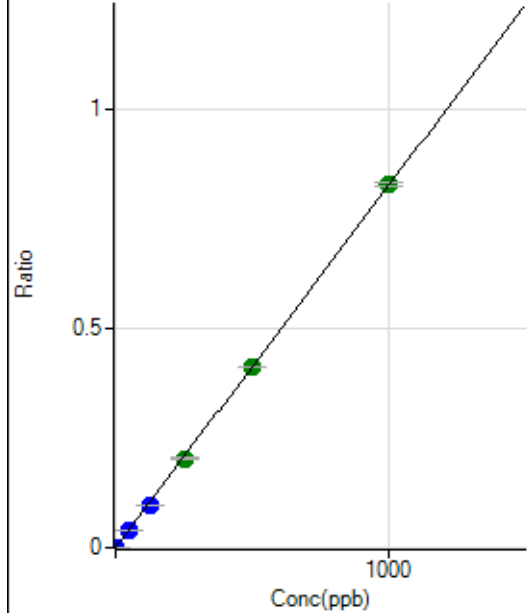
164 Er [No Gas] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			119.45		P	4.0
2	☐			150.01		P	20.0
3	☐			133.34		P	16.5
4	☐			158.34		P	22.9
5	☐			147.23		P	25.5
6	☐			202.79		P	20.3
7	☐			244.45		P	16.1
8	☐			225.01		P	23.1
9	☐			213.90		P	14.8

164 Er [He] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			81.11		P	33.2
2	☐			108.89		P	18.7
3	☐			68.89		P	32.2
4	☐			125.56		P	20.3
5	☐			105.56		P	18.0
6	☐			113.34		P	23.0
7	☐			110.00		P	19.9
8	☐			161.12		P	16.6
9	☐			127.78		P	17.0

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



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	411.13	0.0000	P	7.2
2	☐	0.100	0.092	1330.65	0.0001	P	3.6
3	☐	1.000	0.946	9684.27	0.0008	P	1.8
4	☐	50.000	48.058	476003.34	0.0397	P	1.0
5	☐	125.000	118.365	1198333.19	0.0977	P	1.4
6	☐	250.000	246.567	2428247.93	0.2035	A	2.7
7	☐	500.000	499.238	4868501.11	0.4119	A	0.3
8	☐	1000.000	1002.166	9663127.30	0.8268	A	1.1
9	☐			15829.58	0.0016	P	4.6

$$y = 8.2500\text{E-}004 * x + 3.4607\text{E-}005$$

$$R = 1.0000$$

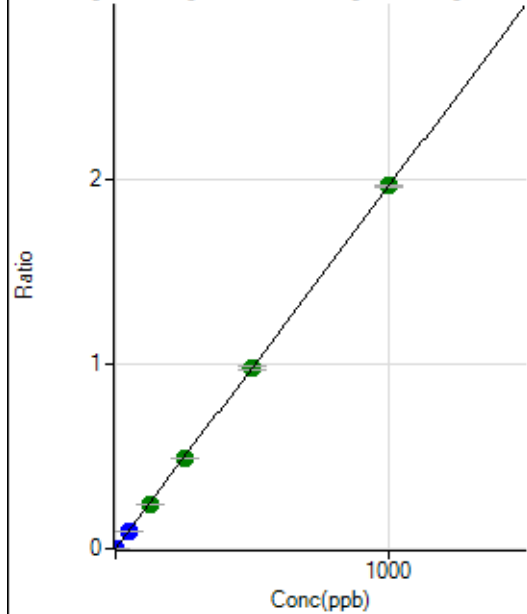
$$DL = 0.009075$$

$$BEC = 0.04195$$

Weight: <None>

Min Conc: 0

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



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	991.73	0.0001	P	5.4
2	☐	0.100	0.089	3111.56	0.0003	P	1.6
3	☐	1.000	0.934	22783.46	0.0019	P	3.3
4	☐	50.000	47.848	1127607.65	0.0940	P	0.8
5	☐	125.000	123.064	2964239.85	0.2416	A	1.4
6	☐	250.000	248.146	5815888.41	0.4872	A	0.6
7	☐	500.000	498.414	11562372.83	0.9784	A	2.2
8	☐	1000.000	1001.606	22978171.17	1.9661	A	0.7
9	☐			38459.29	0.0038	P	9.8

$$y = 0.0020 * x + 8.3508\text{E-}005$$

$$R = 1.0000$$

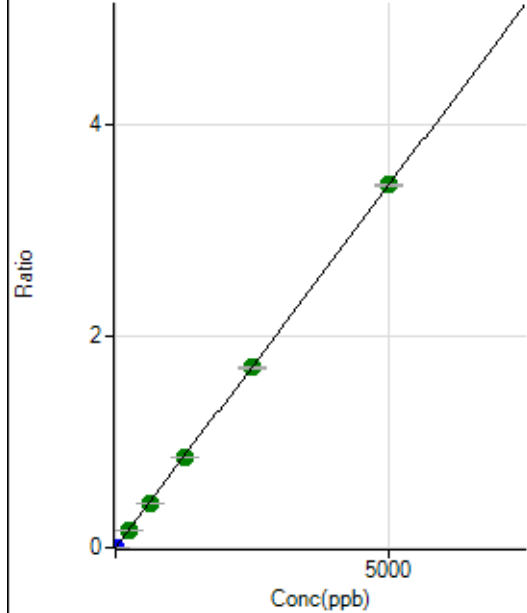
$$DL = 0.006873$$

$$BEC = 0.04254$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	262.97	0.0000	P	2.7
2	☐	0.100	0.094	1038.95	0.0001	P	2.8
3	☐	1.000	0.915	7720.85	0.0006	P	3.5
4	☐	250.000	246.794	2030150.97	0.1692	A	1.0
5	☐	625.000	617.850	5197331.02	0.4237	A	1.8
6	☐	1250.000	1241.648	10164911.11	0.8514	A	0.2
7	☐	2500.000	2490.495	20182480.77	1.7077	A	1.3
8	☐	5000.000	5007.895	40132349.04	3.4339	A	0.8
9	☐			58162.81	0.0057	P	7.9

$$y = 6.8568\text{E-}004 * x + 2.2142\text{E-}005$$

$$R = 1.0000$$

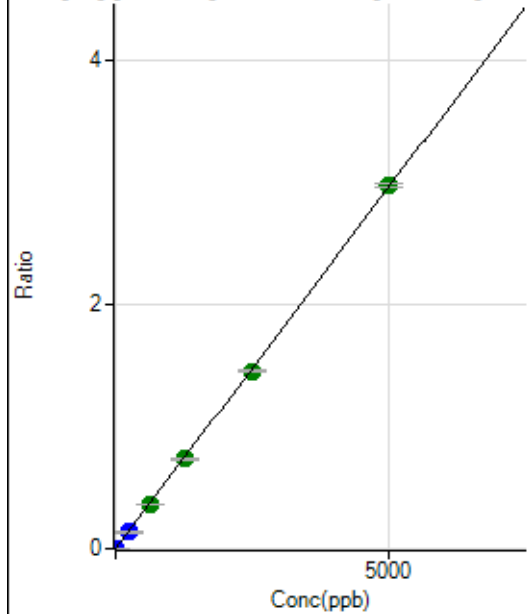
$$DL = 0.002614$$

$$BEC = 0.03229$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	283.34	0.0000	P	6.3
2	☐	0.100	0.082	872.27	0.0001	P	2.0
3	☐	1.000	0.874	6433.15	0.0005	P	4.3
4	☐	250.000	227.037	1612155.78	0.1344	P	1.3
5	☐	625.000	616.208	4474139.92	0.3647	A	2.3
6	☐	1250.000	1241.704	8772842.61	0.7349	A	1.8
7	☐	2500.000	2460.579	17210464.39	1.4563	A	1.6
8	☐	5000.000	5024.032	34750765.36	2.9734	A	0.9
9	☐			47608.93	0.0047	P	7.1

$$y = 5.9183\text{E-}004 * x + 2.3860\text{E-}005$$

$$R = 0.9999$$

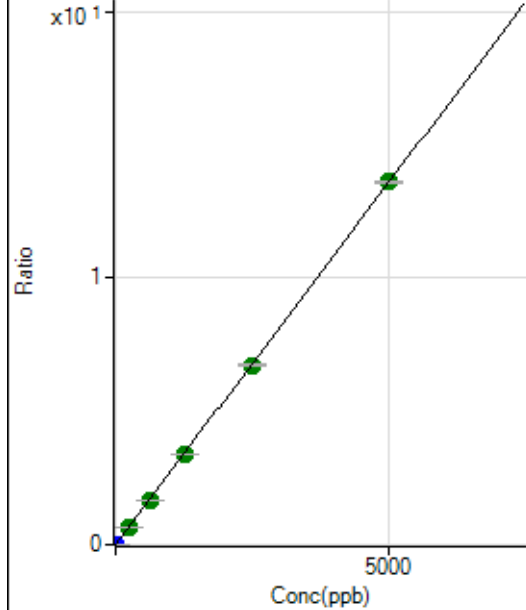
$$DL = 0.007637$$

$$BEC = 0.04032$$

Weight: <None>

Min Conc: 0

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



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	1138.93	0.0001	P	7.6
2	☐	0.100	0.090	4094.77	0.0003	P	1.1
3	☐	1.000	0.914	30632.81	0.0026	P	1.8
4	☐	250.000	244.657	7970971.87	0.6645	A	0.4
5	☐	625.000	614.763	20479882.75	1.6695	A	2.0
6	☐	1250.000	1244.858	40357039.61	3.3805	A	0.8
7	☐	2500.000	2476.663	79485195.18	6.7254	A	1.1
8	☐	5000.000	5014.501	159143645.9	13.6168	A	0.7
9	☐			223859.38	0.0220	P	7.5

$$y = 0.0027 * x + 9.5871E-005$$

$$R = 1.0000$$

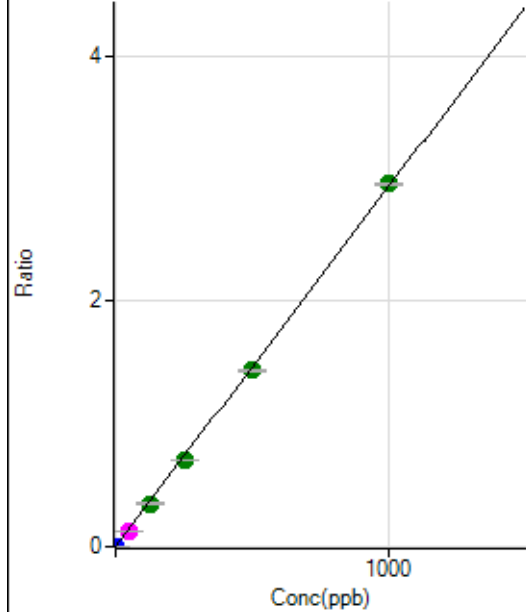
$$DL = 0.008074$$

$$BEC = 0.03531$$

Weight: <None>

Min Conc: 0

232 Th [No Gas] ISTD :209 Bi [No Gas]



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	550.02	0.0000	P	10.0
2	☐	0.100	0.080	3365.32	0.0003	P	1.7
3	☐	1.000	0.800	28434.90	0.0024	P	1.1
4	☐	50.000	43.626	1535434.97	0.1280	M	3.4
5	☐	125.000	119.662	4305108.78	0.3509	A	1.6
6	☐	250.000	242.349	8484666.51	0.7107	A	0.6
7	☐	500.000	489.169	16955514.96	1.4345	A	0.6
8	☐	1000.000	1008.314	34557030.86	2.9568	A	0.5
9	☐			42802.72	0.0042	P	8.6

$$y = 0.0029 * x + 4.6314E-005$$

$$R = 0.9999$$

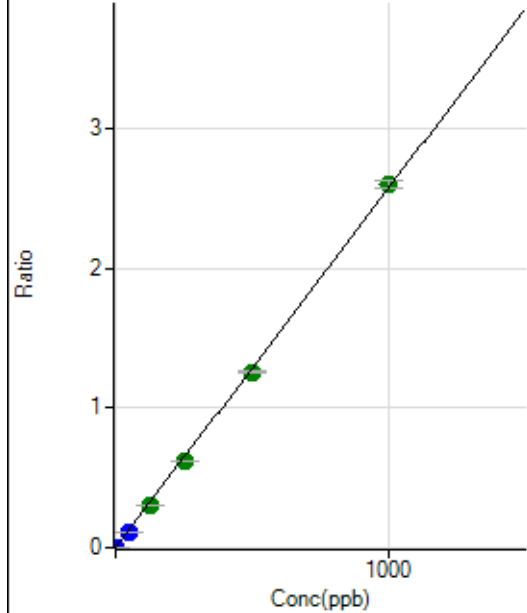
$$DL = 0.004758$$

$$BEC = 0.01579$$

Weight: <None>

Min Conc: 0

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



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	38.89	0.0000	P	96.6
2	☐	0.100	0.084	2636.45	0.0002	P	4.3
3	☐	1.000	0.834	25584.39	0.0022	P	2.8
4	☐	50.000	42.921	1326719.16	0.1106	P	0.6
5	☐	125.000	117.954	3728550.19	0.3039	A	1.7
6	☐	250.000	238.856	7347993.26	0.6155	A	0.4
7	☐	500.000	489.278	14901553.02	1.2607	A	0.6
8	☐	1000.000	1009.382	30395689.39	2.6009	A	1.9
9	☐			37393.04	0.0037	P	8.2

$$y = 0.0026 * x + 3.2653E-006$$

$$R = 0.9998$$

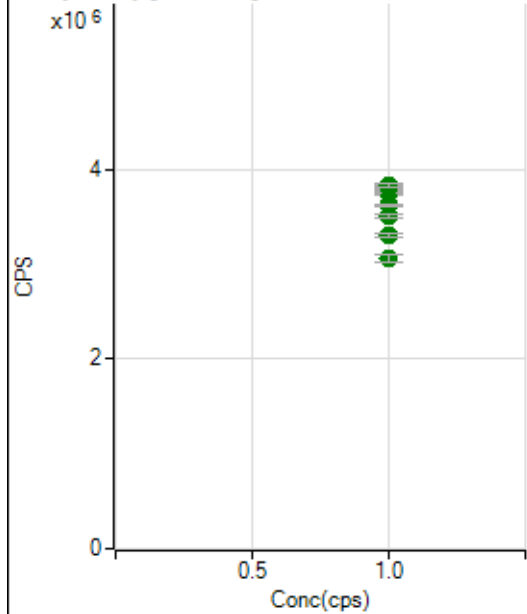
$$DL = 0.003674$$

$$BEC = 0.001267$$

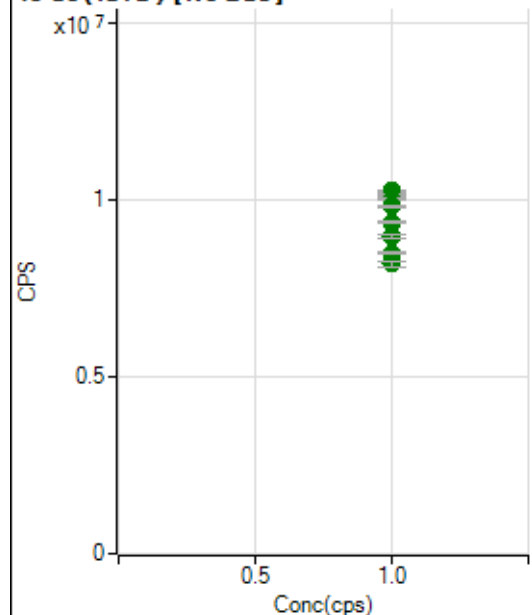
Weight: <None>

Min Conc: 0

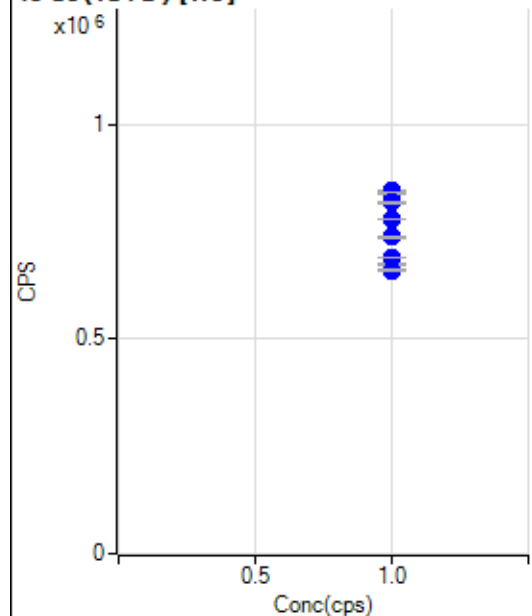
6 Li (ISTD) [No Gas]



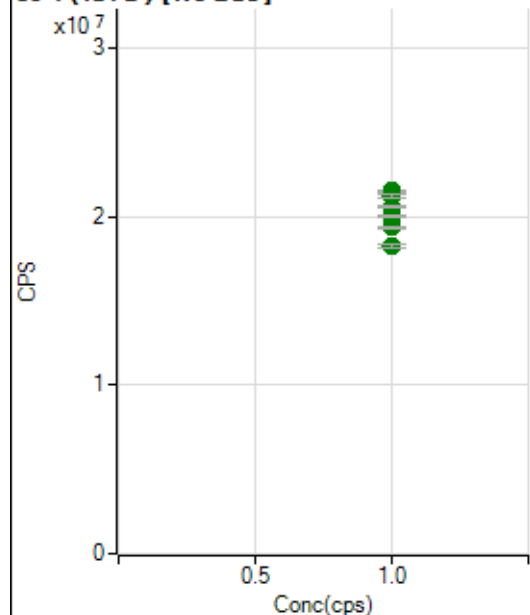
	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		3745657.24		A	0.2
2	☐	1.000		3752931.96		A	1.3
3	☐	1.000		3764578.07		A	0.7
4	☐	1.000		3811476.85		A	1.0
5	☐	1.000		3830076.37		A	0.9
6	☐	1.000		3625221.16		A	0.4
7	☐	1.000		3507692.14		A	1.2
8	☐	1.000		3315143.67		A	1.0
9	☐	1.000		3068435.96		A	2.2

45 Sc (ISTD) [No Gas]

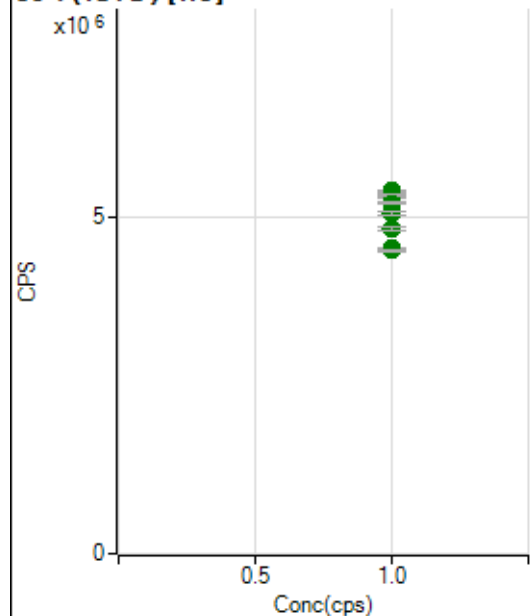
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		10105242.98		A	0.9
2	☐	1.000		10252712.42		A	0.5
3	☐	1.000		10149078.74		A	0.7
4	☐	1.000		10014245.41		A	0.5
5	☐	1.000		9816722.77		A	0.2
6	☐	1.000		9363523.96		A	0.7
7	☐	1.000		8970954.59		A	1.4
8	☐	1.000		8502349.74		A	0.4
9	☐	1.000		8197638.63		A	2.0

45 Sc (ISTD) [He]

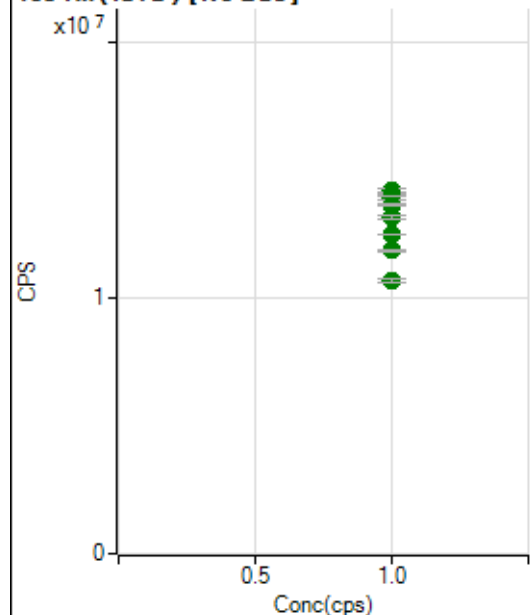
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		843069.41		P	0.4
2	☐	1.000		844196.04		P	0.3
3	☐	1.000		839551.59		P	0.3
4	☐	1.000		817679.14		P	0.7
5	☐	1.000		778191.42		P	0.2
6	☐	1.000		736702.25		P	0.6
7	☐	1.000		674704.89		P	0.4
8	☐	1.000		659731.55		P	0.5
9	☐	1.000		688583.68		P	0.2

89 Y (ISTD) [No Gas]

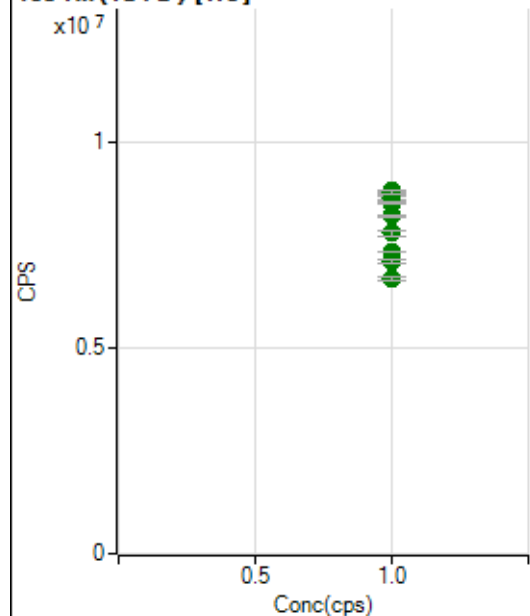
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		21465103.99		A	1.3
2	☐	1.000		21514988.15		A	0.4
3	☐	1.000		21533860.37		A	0.7
4	☐	1.000		21401287.18		A	0.7
5	☐	1.000		21192801.07		A	0.9
6	☐	1.000		20578177.33		A	0.7
7	☐	1.000		20023670.12		A	1.0
8	☐	1.000		19376105.96		A	0.6
9	☐	1.000		18263657.37		A	1.2

89 Y (ISTD) [He]

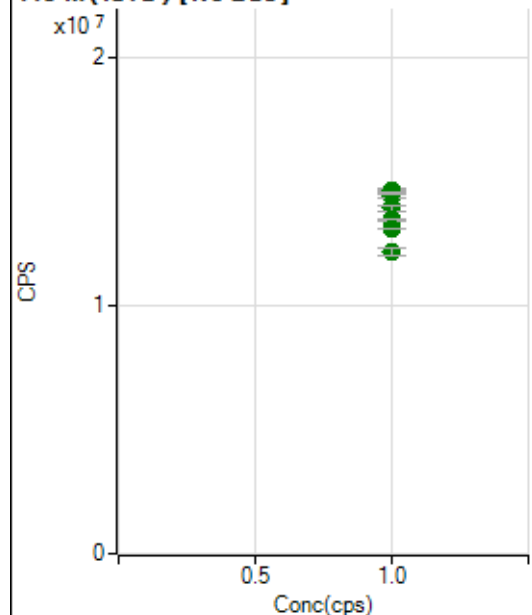
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		5306040.06		A	1.4
2	☐	1.000		5378545.96		A	0.7
3	☐	1.000		5325222.04		A	0.3
4	☐	1.000		5198805.55		A	0.3
5	☐	1.000		5038719.89		A	0.9
6	☐	1.000		4817241.01		A	1.2
7	☐	1.000		4521990.00		A	0.8
8	☐	1.000		4508176.74		A	0.5
9	☐	1.000		4498542.23		A	0.9

103 Rh (ISTD) [No Gas]

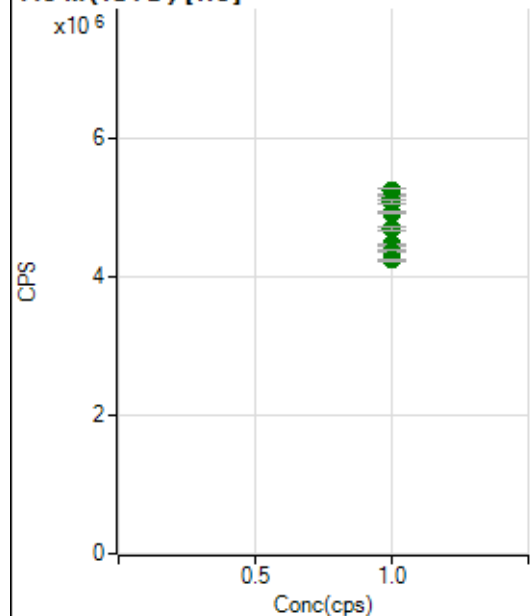
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		14053012.57		A	0.2
2	☐	1.000		14193109.37		A	1.0
3	☐	1.000		14075937.98		A	0.4
4	☐	1.000		13890054.79		A	1.1
5	☐	1.000		13636336.33		A	0.3
6	☐	1.000		13160743.97		A	0.8
7	☐	1.000		12485565.79		A	0.5
8	☐	1.000		11852436.91		A	0.9
9	☐	1.000		10696671.58		A	1.2

103 Rh (ISTD) [He]

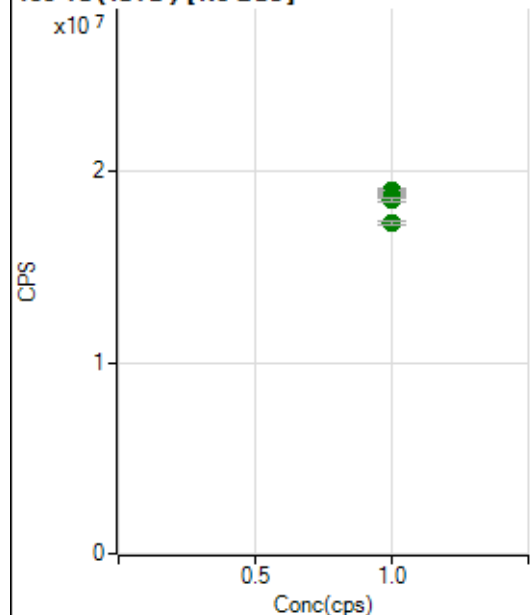
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		8664826.26		A	1.1
2	☐	1.000		8823409.59		A	0.2
3	☐	1.000		8799905.15		A	0.7
4	☐	1.000		8530671.40		A	0.8
5	☐	1.000		8219592.59		A	0.8
6	☐	1.000		7802378.28		A	1.9
7	☐	1.000		7338728.30		A	0.3
8	☐	1.000		7104333.09		A	1.0
9	☐	1.000		6688498.86		A	0.9

115 In (ISTD) [No Gas]

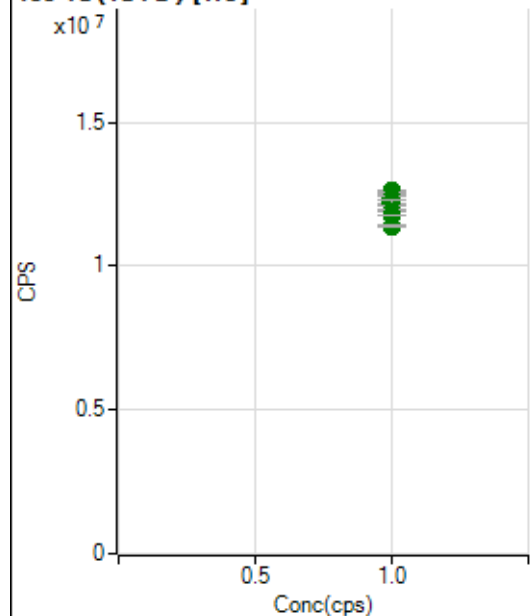
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		14512756.95		A	0.5
2	☐	1.000		14623202.47		A	0.6
3	☐	1.000		14620131.28		A	1.5
4	☐	1.000		14418532.70		A	0.7
5	☐	1.000		14554970.71		A	0.6
6	☐	1.000		13919222.93		A	2.0
7	☐	1.000		13451645.17		A	1.0
8	☐	1.000		13079287.66		A	0.3
9	☐	1.000		12164253.19		A	2.1

115 In (ISTD) [He]

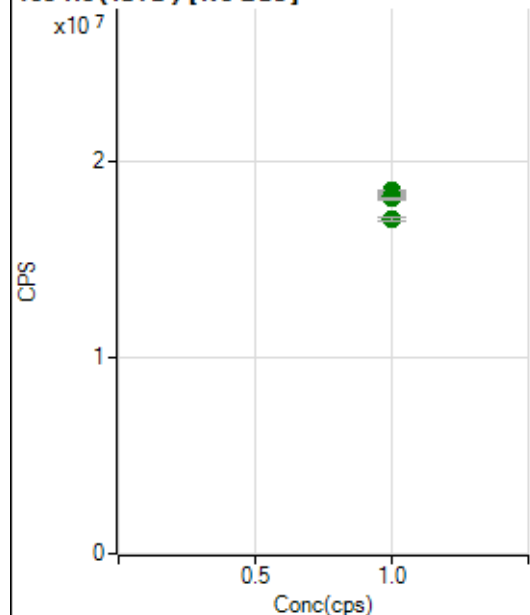
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		5148614.36		A	1.2
2	☐	1.000		5245873.26		A	1.3
3	☐	1.000		5140737.26		A	0.9
4	☐	1.000		5095751.16		A	1.1
5	☐	1.000		4928164.23		A	0.5
6	☐	1.000		4701487.83		A	1.4
7	☐	1.000		4463046.05		A	0.8
8	☐	1.000		4366609.66		A	0.6
9	☐	1.000		4248184.62		A	0.4

159 Tb (ISTD) [No Gas]

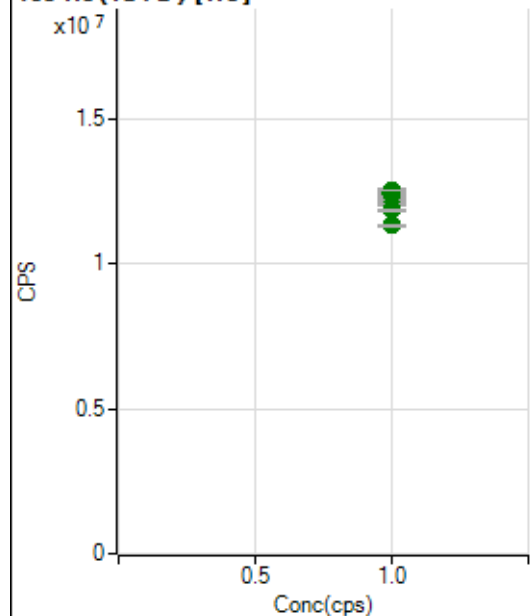
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		18882632.92		A	0.3
2	☐	1.000		19006060.27		A	1.2
3	☐	1.000		18695657.64		A	0.8
4	☐	1.000		18736729.17		A	1.0
5	☐	1.000		18988053.19		A	0.7
6	☐	1.000		18642274.58		A	0.3
7	☐	1.000		18722583.89		A	0.5
8	☐	1.000		18535740.42		A	1.0
9	☐	1.000		17326101.13		A	1.0

159 Tb (ISTD) [He]

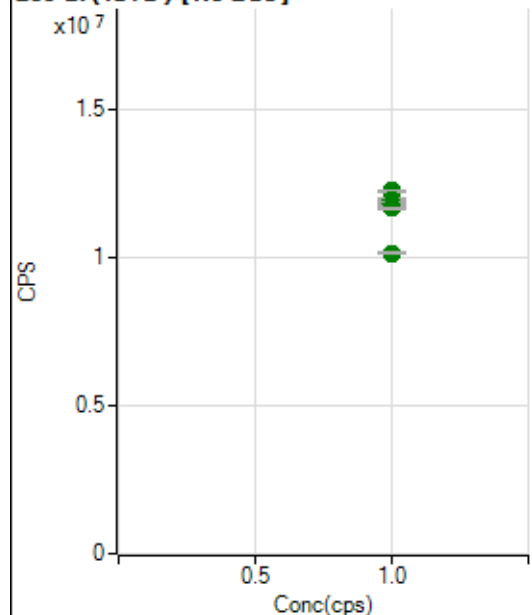
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		12510213.56		A	0.7
2	☐	1.000		12606908.56		A	0.4
3	☐	1.000		12561718.98		A	0.3
4	☐	1.000		12382448.57		A	0.9
5	☐	1.000		12241883.99		A	0.9
6	☐	1.000		12188457.18		A	1.3
7	☐	1.000		11913837.18		A	0.5
8	☐	1.000		11771132.05		A	0.2
9	☐	1.000		11379788.02		A	0.2

165 Ho (ISTD) [No Gas]

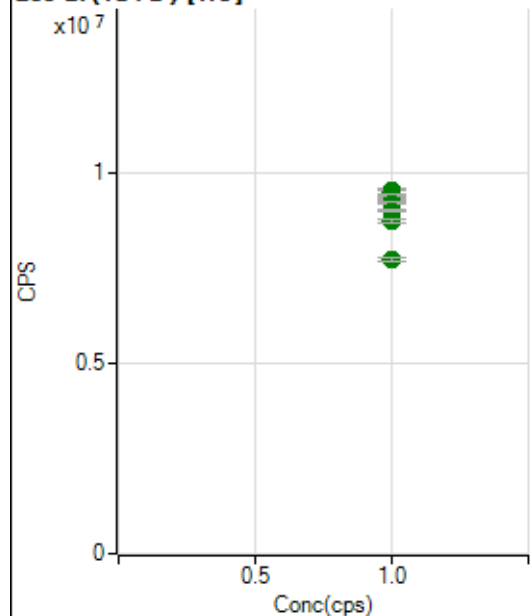
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		18209066.12		A	0.4
2	☐	1.000		18211334.73		A	1.6
3	☐	1.000		18468856.81		A	0.4
4	☐	1.000		18168856.12		A	0.7
5	☐	1.000		18475795.83		A	0.5
6	☐	1.000		18240856.81		A	0.8
7	☐	1.000		18213285.56		A	0.7
8	☐	1.000		18077296.54		A	0.8
9	☐	1.000		17017425.44		A	1.2

165 Ho (ISTD) [He]

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		12341767.32		A	0.8
2	☐	1.000		12517152.87		A	1.1
3	☐	1.000		12299688.84		A	2.0
4	☐	1.000		12453412.87		A	1.3
5	☐	1.000		12399521.62		A	2.2
6	☐	1.000		12179407.88		A	0.8
7	☐	1.000		12022309.68		A	0.4
8	☐	1.000		11864957.18		A	0.6
9	☐	1.000		11313007.19		A	0.2

209 Bi (ISTD) [No Gas]

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		11877082.32		A	0.5
2	☐	1.000		12009314.68		A	0.5
3	☐	1.000		11885594.54		A	0.6
4	☐	1.000		11996182.46		A	1.1
5	☐	1.000		12266967.46		A	0.5
6	☐	1.000		11939365.65		A	2.0
7	☐	1.000		11819807.60		A	1.4
8	☐	1.000		11687644.27		A	0.6
9	☐	1.000		10172912.35		A	0.7

209 Bi (ISTD) [He]

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		9323436.11		A	0.6
2	☐	1.000		9518458.33		A	1.6
3	☐	1.000		9477791.59		A	1.7
4	☐	1.000		9418123.61		A	0.8
5	☐	1.000		9406565.90		A	0.6
6	☐	1.000		9193700.91		A	0.6
7	☐	1.000		8989777.92		A	0.5
8	☐	1.000		8741775.22		A	1.1
9	☐	1.000		7716728.70		A	0.8

US EPA Tune Check Report

Operator Name Jaswal

Acq/Data Batch D:\Agilent\ICPMH\1\DATA\IP7061922 MS.b

Acq. Date-Time 2022-06-19 13:21:29

Report Comment ---

Instrument Name G8403A JP14410463

[No Gas]

Sensitivity

Mass	Conc. [ug/l]	Count	CPS	Resp (Required) [cps/ug/l]	Resp (Flag)	RSD%	RSD% (Required)
9		10104	101037.78			0.482	5.000
24		95313	953132.90			0.506	5.000
25		12559	125593.84			0.406	5.000
26		14064	140644.11			0.385	5.000
59		25923	259232.82			0.569	5.000
113		12277	122772.29			0.694	5.000
115		41007	410066.93			2.788	5.000
206		17399	173985.37			0.496	5.000
207		14858	148584.39			0.437	5.000
208		35609	356093.01			0.718	5.000
220		0	2.00			53.033	

Mass	RSD% (Flag)
9	
24	
25	
26	
59	
113	
115	
206	
207	
208	
220	

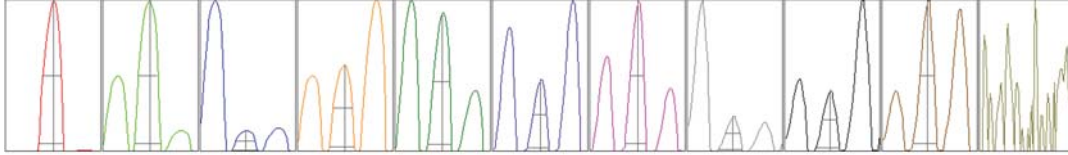
Mass	Rep#1 Count	Rep#2 Count	Rep#3 Count	Rep#4 Count	Rep#5 Count
9	10079	10185	10088	10060	10107
24	95467	95340	94902	96025	94832
25	12577	12611	12596	12494	12518
26	14100	14137	14031	14053	14001
59	25787	26144	25973	25793	25919
113	12236	12413	12302	12192	12244
115	42032	42155	41192	39978	39678
206	17405	17511	17424	17382	17271
207	14859	14960	14865	14787	14821
208	35537	36037	35570	35347	35554

US EPA Tune Check Report

Mass	Rep#1 Count	Rep#2 Count	Rep#3 Count	Rep#4 Count	Rep#5 Count
220	0	0	0	0	0

Integration Time [sec] 0.1

Resolution/Axis



Mass	Peak Height	Axis	Axis (Required)	Axis (Flag)
9	18675.92	9.05	8.90 - 9.10	
24	161730.84	24.00	23.90 - 24.10	
25	21510.10	24.95	24.90 - 25.10	
26	24422.72	26.00	25.90 - 26.10	
59	50524.98	59.00	58.90 - 59.10	
113	28827.06	113.05	112.90 - 113.10	
115	96000.57	115.05	114.90 - 115.10	
206	37783.94	205.95	205.90 - 206.10	
207	32215.01	206.95	206.90 - 207.10	
208	79791.96	207.95	207.90 - 208.10	
220	0.00	220.20	-	

Mass	W-50%	W-5%	W-5% (Required)	W-5% (Flag)
9	0.57	0.776	0.900	
24	0.62	0.826	0.900	
25	0.61	0.780	0.900	
26	0.61	0.785	0.900	
59	0.53	0.758	0.900	
113	0.43	0.677	0.900	
115	0.43	0.677	0.900	
206	0.47	0.742	0.900	
207	0.47	0.746	0.900	
208	0.44	0.767	0.900	
220	0.25	0.250		

Integration Time [sec] 0.1

Acquisition Time [sec] 256.770000000002

Y Axis Linear

Tune Parameters

Plasma Parameters

Plasma Mode --- Nebulizer Gas 0.73 L/min Dilution Gas 0.40 L/min

US EPA Tune Check Report

RF Power	1600 W	Option Gas	---	Auxiliary Gas	0.90 L/min
RF Matching	1.80 V	Nebulizer Pump	0.10 rps	Plasma Gas	15.0 L/min
Sample Depth	9.0 mm	S/C Temp	2 °C		

Lens Parameters

Extract 1	0.0 V	Omega Lens	9.1 V	Deflect	14.6 V
Extract 2	-145.0 V	Cell Entrance	-30 V	Plate Bias	-35 V
Omega Bias	-70 V	Cell Exit	-50 V		

Cell Parameters

Use Gas	No	3rd Gas Flow	---	Energy Discrimination	5.0 V
He Flow	0.0 mL/min	OctP Bias	-8.0 V		
H2 Flow	---	OctP RF	200 V		

QP Parameters

Mass Gain	123	Axis Gain	0.9999	QP Bias	-3.0 V
Mass Offset	125	Axis Offset	0.02		

Hardware Settings

Torch

Torch H	-0.9 mm	Torch V	1.0 mm
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EM

Discriminator	3.1 mV	Analog HV	2187 V	Pulse HV	1459 V
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[He]

Sensitivity

Mass	Conc. [ug/l]	Count	CPS	Resp (Required) [cps/ug/l]	Resp (Flag)	RSD%	RSD% (Required)
59		8664	86642.35			0.451	
89		78889	788890.38			0.541	
205		51561	515606.15			0.332	

Mass	RSD% (Flag)
59	
89	
205	

Mass	Rep#1 Count	Rep#2 Count	Rep#3 Count	Rep#4 Count	Rep#5 Count
59	8666	8625	8627	8687	8716
89	79426	78425	78532	78862	79199
205	51633	51338	51425	51665	51743

Integration Time [sec] 0.1

Tune Parameters

Plasma Parameters

Plasma Mode	---	Nebulizer Gas	0.73 L/min	Dilution Gas	0.40 L/min
RF Power	1600 W	Option Gas	---	Auxiliary Gas	0.90 L/min
RF Matching	1.80 V	Nebulizer Pump	0.10 rps	Plasma Gas	15.0 L/min
Sample Depth	9.0 mm	S/C Temp	2 °C		

Lens Parameters

Extract 1	0.0 V	Omega Lens	9.5 V	Deflect	3.2 V
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US EPA Tune Check Report

Extract 2	-155.0 V	Cell Entrance	-40 V	Plate Bias	-60 V
Omega Bias	-65 V	Cell Exit	-60 V		

Cell Parameters

Use Gas	Yes	3rd Gas Flow	---	Energy Discrimination	5.0 V
He Flow	3.9 mL/min	OctP Bias	-18.0 V		
H2 Flow	---	OctP RF	200 V		

QP Parameters

Mass Gain	123	Axis Gain	0.9999	QP Bias	-13.0 V
Mass Offset	125	Axis Offset	0.02		

Hardware Settings

Torch

Torch H	-0.9 mm	Torch V	1.0 mm
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EM

Discriminator	3.1 mV	Analog HV	2187 V	Pulse HV	1459 V
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