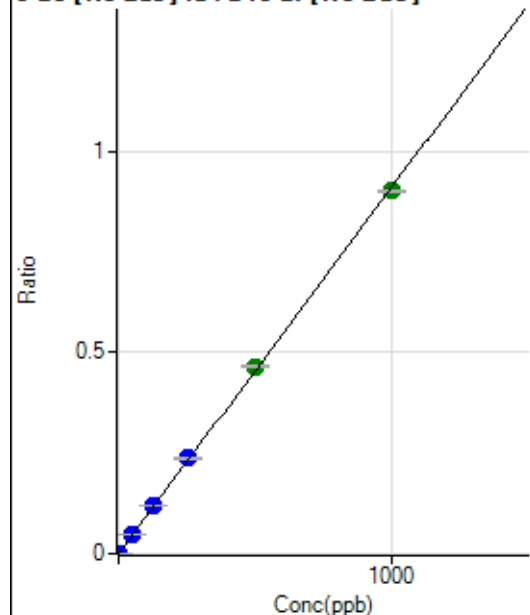


Batch Folder: D:\Agilent\ICPMH\1\DATA\P7031922-MS.b\
Analysis File: P7031922-MS.batch.bin
DA Date-Time: 2022-03-21 00:07:24
Calibration Title:
Calibration Method: External Calibration
VIS Interpolation Fit:

Level	Standard Data File	Sample Name	Acq. Date-Time
1	003CALB.d	S00	2022-03-19 13:01:46
2	004CALS.d	S01	2022-03-19 13:04:41
3	006CALS.d	S02	2022-03-19 13:10:29
4	007CALS.d	S03	2022-03-19 13:13:22
5	008CALS.d	S04	2022-03-19 13:16:09
6	009CALS.d	S05	2022-03-19 13:18:53
7	010CALS.d	S06	2022-03-19 13:21:40
8	011CALS.d	S07	2022-03-19 13:24:25
9	012CALS.d	S08	2022-03-19 13:27:12

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	36.67	0.0000	P	18.9
2	☐	0.100	0.093	325.56	0.0001	P	2.7
3	☐	1.000	1.085	3529.32	0.0010	P	4.4
4	☐	50.000	54.337	171109.54	0.0495	P	2.5
5	☐	125.000	130.993	403184.92	0.1193	P	0.1
6	☐	250.000	261.409	762988.40	0.2381	P	1.5
7	☐	500.000	510.154	1479797.20	0.4646	A	1.0
8	☐	1000.000	991.105	2821233.50	0.9026	A	0.6
9	☐			307.79	0.0001	P	10.7

$$y = 9.1072\text{E-}004 * x + 1.0724\text{E-}005$$

$$R = 0.9998$$

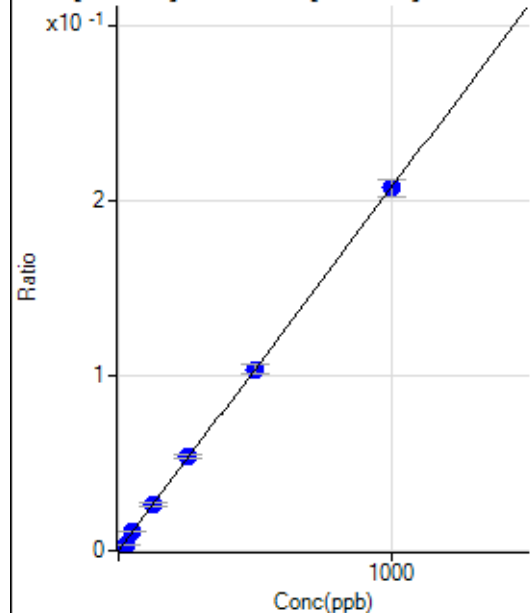
$$DL = 0.006675$$

$$BEC = 0.01178$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	252.79	0.0001	P	16.1
2	☐	2.500	2.061	1714.02	0.0005	P	2.2
3	☐	25.000	17.693	13242.08	0.0037	P	4.2
4	☐	50.000	52.244	37765.99	0.0109	P	3.9
5	☐	125.000	126.460	88994.14	0.0263	P	5.3
6	☐	250.000	258.575	172364.42	0.0538	P	3.5
7	☐	500.000	498.656	330114.26	0.1036	P	4.9
8	☐	1000.000	998.417	648206.58	0.2074	P	4.6
9	☐			22389.08	0.0074	P	14.4

$$y = 2.0768\text{E-}004 * x + 7.3860\text{E-}005$$

$$R = 0.9999$$

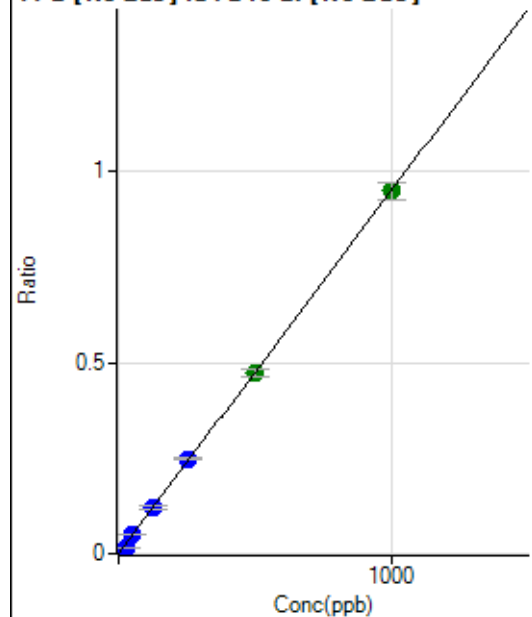
$$DL = 0.1713$$

$$BEC = 0.3556$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	1286.19	0.0004	P	12.3
2	☐	2.500	1.770	7032.33	0.0021	P	4.9
3	☐	25.000	17.598	60418.70	0.0171	P	4.4
4	☐	50.000	53.511	177156.23	0.0512	P	5.2
5	☐	125.000	127.459	410590.67	0.1215	P	5.7
6	☐	250.000	260.973	796294.46	0.2484	P	3.4
7	☐	500.000	496.680	1504843.63	0.4724	A	4.2
8	☐	1000.000	998.621	2967229.50	0.9495	A	4.9
9	☐			103965.86	0.0346	P	14.1

$$y = 9.5040\text{E-}004 * x + 3.7614\text{E-}004$$

$$R = 0.9999$$

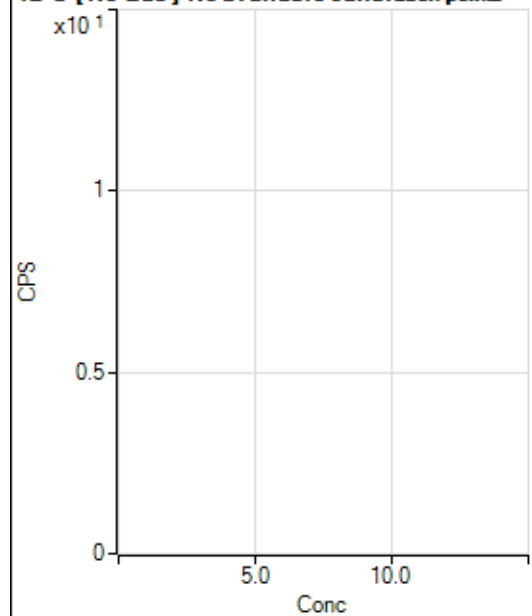
$$DL = 0.1461$$

$$BEC = 0.3958$$

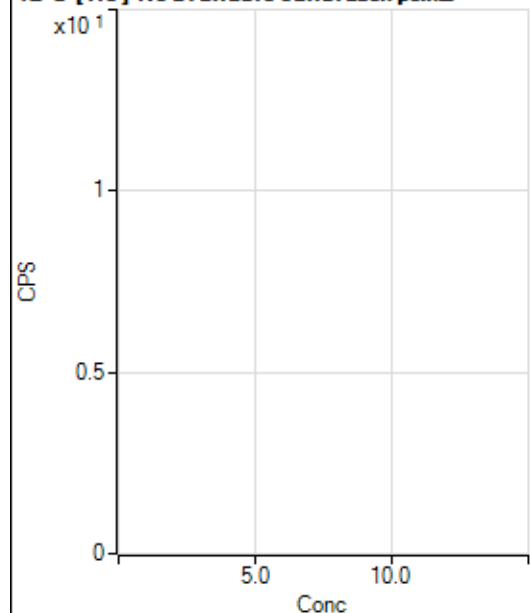
Weight: <None>

Min Conc: 0

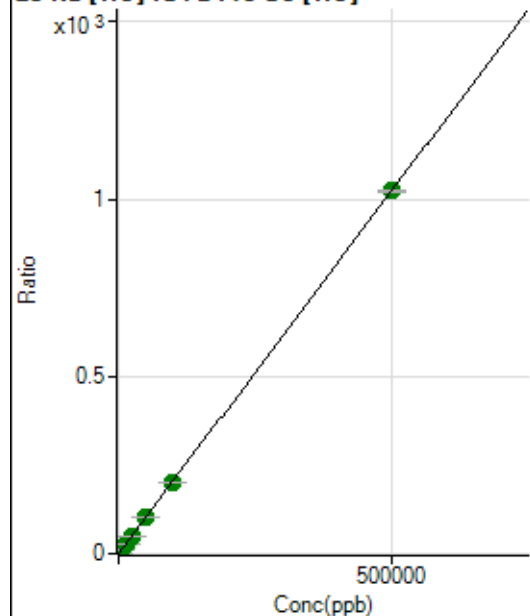
12 C [No Gas] No available calibration points



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

12 C [He] No available calibration points

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

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	10459.26	0.0205	P	2.6
2	☐	50.000	47.555	61833.02	0.1177	P	1.5
3	☐	500.000	474.273	518082.90	0.9903	P	1.3
4	☐	5000.000	5100.210	5366471.82	10.4498	A	0.4
5	☐	12500.000	12588.050	12758586.74	25.7615	A	0.4
6	☐	25000.000	24840.978	24104793.37	50.8172	A	0.5
7	☐	50000.000	49272.028	47127735.78	100.7757	A	0.0
8	☐	100000.00	99325.510	94500740.08	203.1289	A	0.1
9	☐	500000.00	500212.46	492127766.56	1,022.893	A	0.4

$$y = 0.0020 * x + 0.0205$$

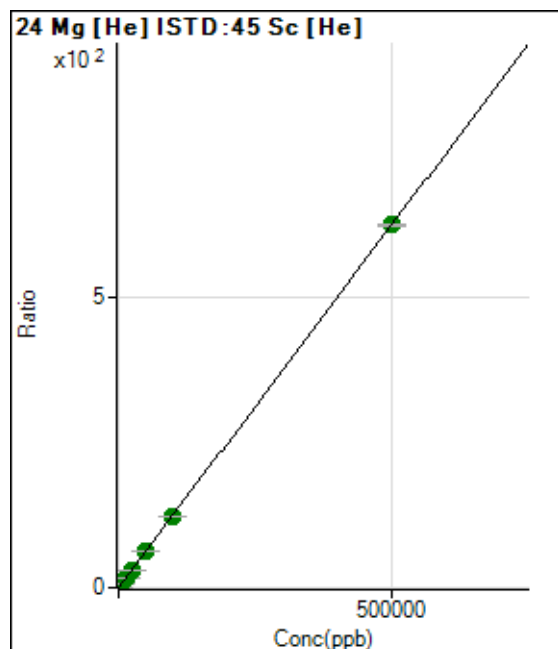
$$R = 1.0000$$

$$DL = 0.7708$$

$$BEC = 10.01$$

Weight: <None>

Min Conc: 0



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	170.38	0.0003	P	19.3
2	☐	50.000	47.431	31256.06	0.0595	P	0.7
3	☐	500.000	480.589	313843.11	0.5999	P	0.6
4	☐	5000.000	5222.994	3346032.34	6.5161	A	1.6
5	☐	12500.000	12689.199	7840017.19	15.8303	A	0.1
6	☐	25000.000	24920.402	14746835.86	31.0889	A	0.4
7	☐	50000.000	49426.232	28835362.68	61.6604	A	0.5
8	☐	100000.00	98352.450	57081586.92	122.6966	A	0.2
9	☐	500000.00	500383.92	300311725.23	624.2373	A	0.6

$$y = 0.0012 * x + 3.3367E-004$$

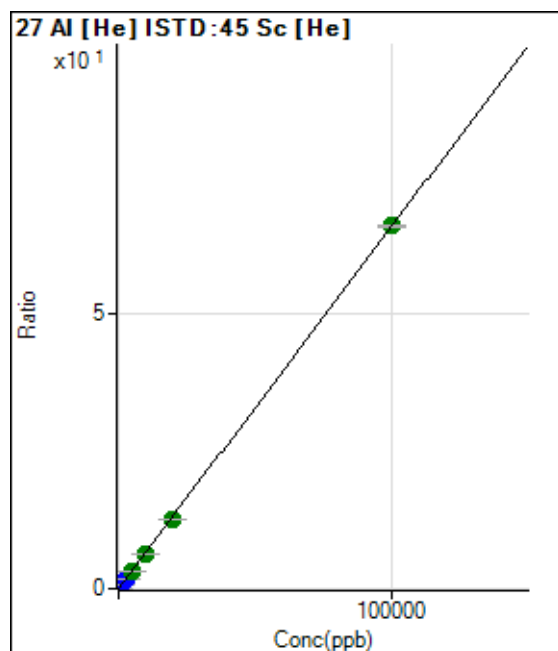
$$R = 1.0000$$

$$DL = 0.1546$$

$$BEC = 0.2675$$

Weight: <None>

Min Conc: 0



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	131.48	0.0003	P	10.0
2	☒	2.000					
3	☐	20.000	18.982	6677.48	0.0128	P	2.8
4	☐	1000.000	1005.684	340411.38	0.6629	P	1.2
5	☐	2500.000	2467.129	805204.70	1.6259	P	0.4
6	☐	5000.000	4890.119	1528479.98	3.2224	A	2.2
7	☐	10000.000	9674.376	2981136.15	6.3747	A	0.7
8	☐	20000.000	19282.923	5911055.81	12.7058	A	0.4
9	☐	100000.00	100182.23	31757213.67	66.0105	A	0.8

$$y = 6.5890E-004 * x + 2.5748E-004$$

$$R = 1.0000$$

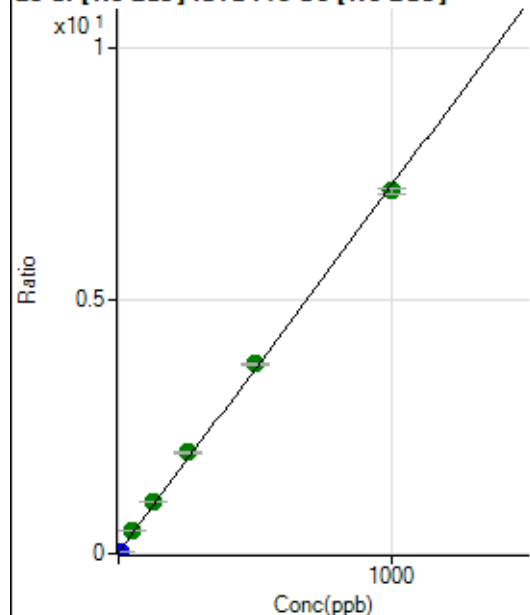
$$DL = 0.117$$

$$BEC = 0.3908$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	158009.54	0.0273	P	0.2
2	☐	1.000	0.245	169062.83	0.0291	P	1.7
3	☐	10.000	1.824	241758.19	0.0405	P	0.7
4	☐	50.000	57.460	2568919.54	0.4439	A	0.9
5	☐	125.000	137.418	5722342.97	1.0237	A	0.5
6	☐	250.000	271.645	10630954.14	1.9970	A	0.9
7	☐	500.000	514.805	19605852.00	3.7602	A	1.1
8	☐	1000.000	985.344	37175525.83	7.1720	A	1.4
9	☐			574815.99	0.1104	P	5.3

$$y = 0.0073 * x + 0.0273$$

$$R = 0.9994$$

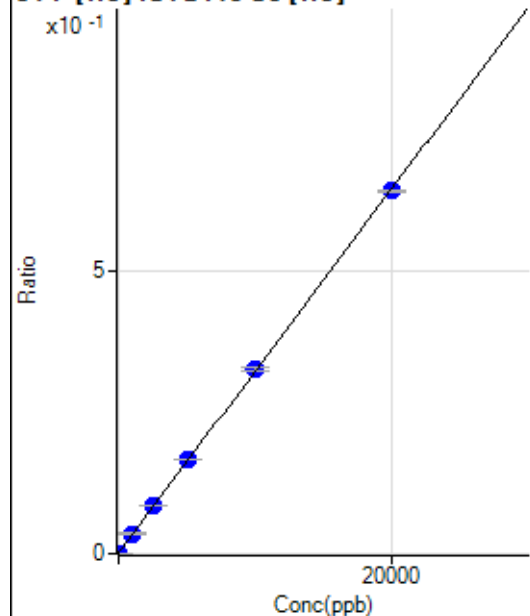
$$DL = 0.02757$$

$$BEC = 3.763$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	-4.419	519.46	0.0010	P	13.2
2	☐	0.000	-8.600	463.91	0.0009	P	3.4
3	☐	0.000	13.019	825.04	0.0016	P	6.8
4	☐	1000.000	1067.605	18191.71	0.0354	P	2.9
5	☐	2500.000	2619.284	42200.51	0.0852	P	2.0
6	☐	5000.000	5113.214	78386.97	0.1652	P	0.5
7	☐	10000.000	10096.458	152064.71	0.3252	P	1.5
8	☐	20000.000	19905.177	297718.80	0.6399	P	0.7
9	☐			572.25	0.0012	P	9.0

$$y = 3.2091E-005 * x + 0.0012$$

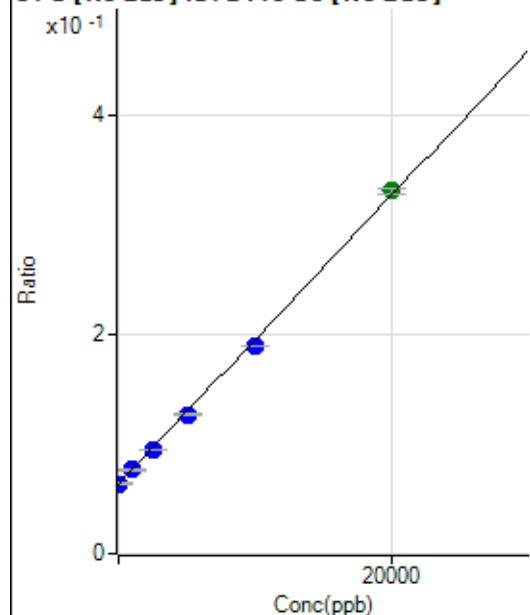
$$R = 1.0000$$

$$DL = 8.482$$

$$BEC = 36.12$$

Weight: <None>

Min Conc: 0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	-0.645	368674.79	0.0637	P	0.1
2	☐	0.000	3.940	370690.27	0.0637	P	0.6
3	☐	0.000	-3.295	379684.98	0.0636	P	2.0
4	☐	1000.000	988.050	443654.58	0.0767	P	1.6
5	☐	2500.000	2367.407	529953.05	0.0948	P	0.7
6	☐	5000.000	4791.443	674348.41	0.1267	P	1.9
7	☐	10000.000	9575.006	988548.41	0.1896	P	0.4
8	☐	20000.000	20281.808	1712529.20	0.3304	A	1.3
9	☐			304746.13	0.0586	P	1.3

$$y = 1.3150E-005 * x + 0.0637$$

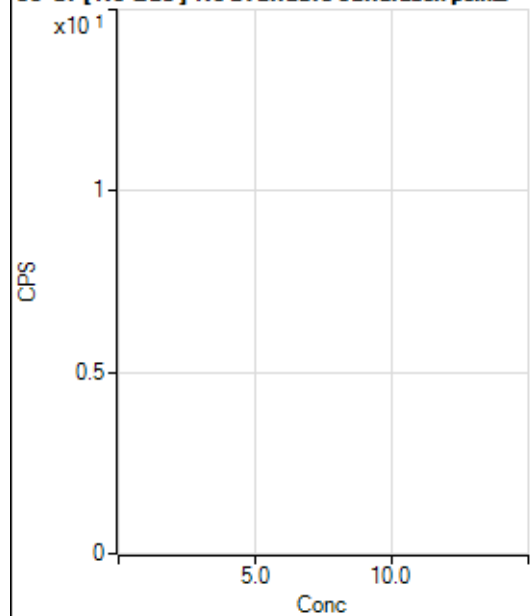
$$R = 0.9996$$

$$DL = 129.4$$

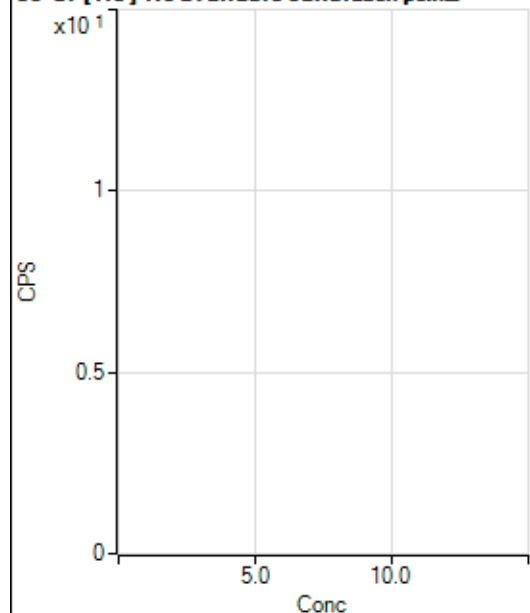
$$BEC = 4842$$

Weight: <None>

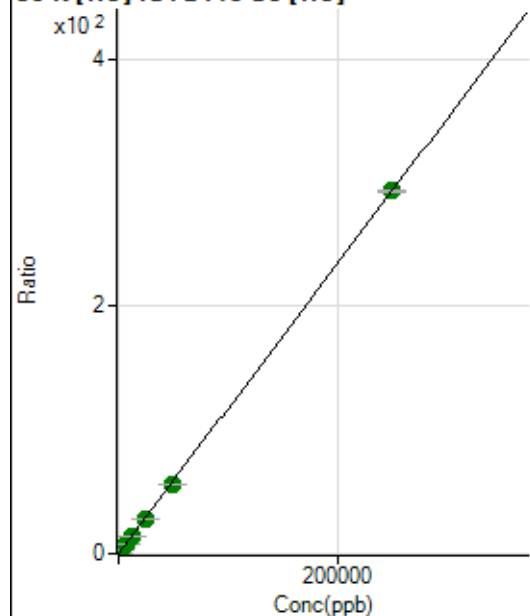
Min Conc: 0

35 Cl [No Gas] No available calibration points

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

35 Cl [He] No available calibration points

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

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	29303.88	0.0574	P	2.9
2	☐	50.000	49.170	60384.12	0.1150	P	0.9
3	☐	500.000	491.292	331029.88	0.6327	P	1.4
4	☐	2500.000	2538.907	1556383.75	3.0308	A	0.9
5	☐	6250.000	6141.756	3590601.25	7.2502	A	0.7
6	☐	12500.000	12053.362	6723169.51	14.1735	A	0.3
7	☐	25000.000	24176.508	13267767.40	28.3713	A	1.3
8	☐	50000.000	47716.107	26024309.61	55.9393	A	0.5
9	☐	250000.00	250563.79	141207942.04	293.5013	A	0.7

$$y = 0.0012 * x + 0.0574$$

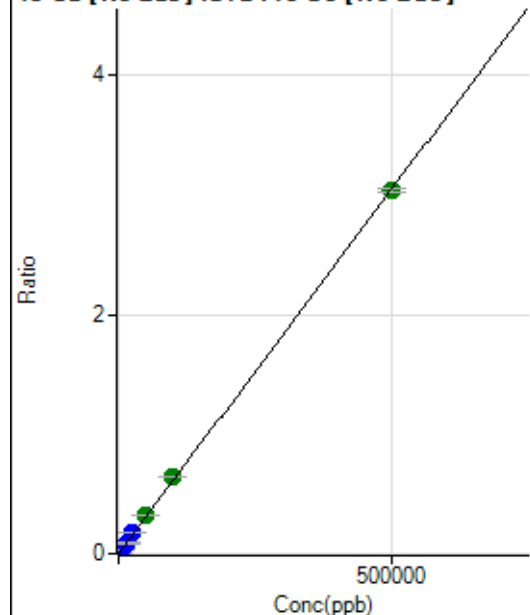
$$R = 1.0000$$

$$DL = 4.282$$

$$BEC = 48.99$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	169.45	0.0000	P	31.2
2	☐	50.000	51.230	1983.51	0.0003	P	9.2
3	☐	500.000	516.766	18948.40	0.0032	P	2.3
4	☐	5000.000	5986.620	211047.39	0.0365	P	1.0
5	☐	12500.000	14463.094	492287.87	0.0881	P	0.8
6	☐	25000.000	28804.610	933569.62	0.1754	P	1.0
7	☐	50000.000	54027.160	1715024.13	0.3289	A	0.2
8	☐	100000.00	106666.25	3366071.56	0.6493	A	0.4
9	☐	500000.00	498014.84	15772636.29	3.0316	A	1.1

$$y = 6.0873E-006 * x + 2.9328E-005$$

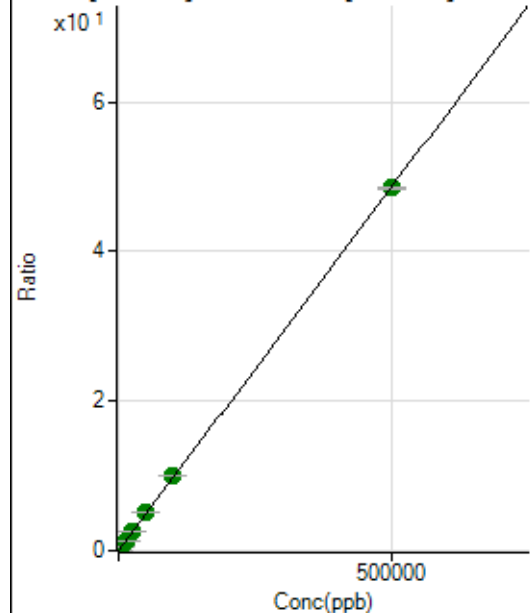
$$R = 0.9999$$

$$DL = 4.51$$

$$BEC = 4.818$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	10359.91	0.0018	P	4.8
2	☐	50.000	53.383	40586.15	0.0070	P	1.5
3	☐	500.000	521.250	312976.38	0.0525	P	1.5
4	☐	5000.000	5474.815	3089415.44	0.5339	A	2.1
5	☐	12500.000	13239.199	7202402.77	1.2885	A	1.5
6	☐	25000.000	26239.474	13586410.89	2.5521	A	0.5
7	☐	50000.000	52126.183	26425768.82	5.0681	A	0.8
8	☐	100000.00	103320.64	52067172.00	10.0438	A	0.1
9	☐	500000.00	499038.03	252361711.20	48.5047	A	0.7

$$y = 9.7193E-005 * x + 0.0018$$

$$R = 1.0000$$

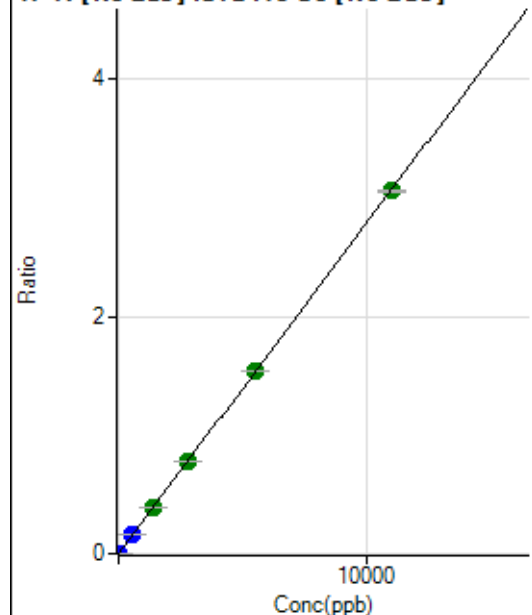
$$DL = 2.653$$

$$BEC = 18.41$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	75.00	0.0000	P	29.0
2	☐	0.500	0.465	830.60	0.0001	P	14.9
3	☐	5.000	4.997	8399.77	0.0014	P	3.0
4	☐	550.000	583.483	942584.00	0.1629	P	1.1
5	☐	1375.000	1412.449	2203952.31	0.3943	A	0.9
6	☐	2750.000	2793.052	4150633.08	0.7797	A	0.7
7	☐	5500.000	5532.665	8053013.03	1.5444	A	0.1
8	☐	11000.000	10966.549	15868889.24	3.0612	A	0.4
9	☐			3733.89	0.0007	P	4.9

$$y = 2.7914E-004 * x + 1.2945E-005$$

$$R = 1.0000$$

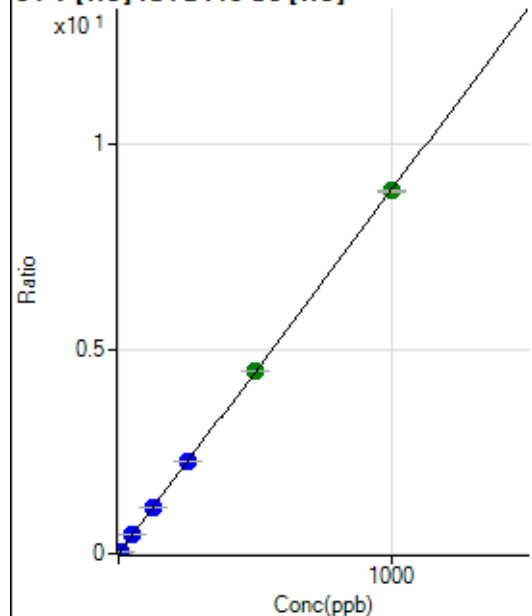
$$DL = 0.04031$$

$$BEC = 0.04638$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	12.22	0.0000	P	56.7
2	☐	0.500	0.479	2247.97	0.0043	P	4.1
3	☐	5.000	4.927	22926.39	0.0438	P	1.6
4	☐	50.000	52.465	239506.28	0.4664	P	1.0
5	☐	125.000	128.927	567593.95	1.1461	P	0.5
6	☐	250.000	253.937	1070749.83	2.2573	P	1.0
7	☐	500.000	501.717	2085677.95	4.4599	A	0.5
8	☐	1000.000	997.543	4125373.10	8.8674	A	0.4
9	☐			868.92	0.0018	P	2.6

$$y = 0.0089 * x + 2.3934E-005$$

$$R = 1.0000$$

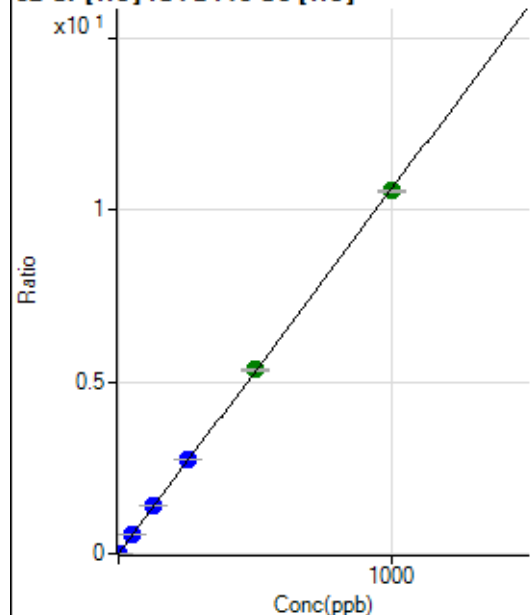
$$DL = 0.004581$$

$$BEC = 0.002692$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	1941.26	0.0038	P	1.2
2	☐	0.200	0.192	3063.68	0.0058	P	0.1
3	☐	2.000	1.981	12964.54	0.0248	P	0.7
4	☐	50.000	53.487	292861.37	0.5703	P	1.4
5	☐	125.000	130.930	688643.25	1.3905	P	0.3
6	☐	250.000	256.705	1291451.63	2.7226	P	0.5
7	☐	500.000	504.448	2500260.31	5.3465	A	1.2
8	☐	1000.000	995.184	4905289.89	10.5439	A	0.3
9	☐			58673.53	0.1220	P	0.7

$$y = 0.0106 * x + 0.0038$$

$$R = 0.9999$$

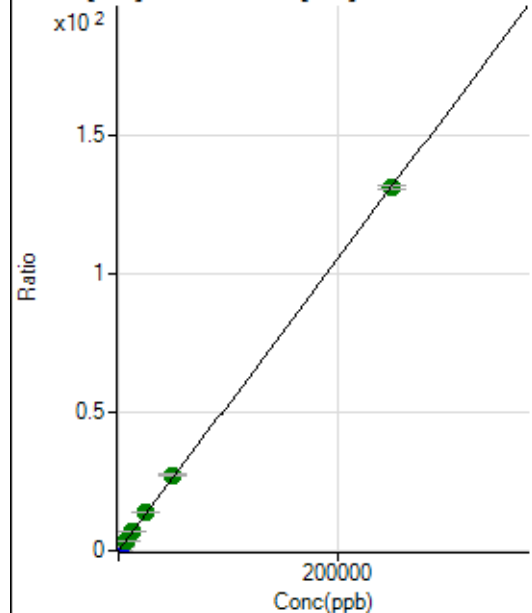
$$DL = 0.01328$$

$$BEC = 0.3589$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	1204.62	0.0024	P	7.9
2	☐	5.000	7.045	3183.62	0.0061	P	4.7
3	☐	50.000	56.422	16743.21	0.0320	P	0.4
4	☐	2500.000	2913.168	787175.29	1.5330	P	1.9
5	☐	6250.000	6910.283	1799284.78	3.6331	A	0.5
6	☐	12500.000	13558.247	3380336.60	7.1260	A	0.5
7	☐	25000.000	26594.814	6535640.67	13.9756	A	1.1
8	☐	50000.000	52146.127	12747366.61	27.4006	A	0.7
9	☐	250000.00	249337.74	63028110.47	131.0075	A	0.9

$$y = 5.2541E-004 * x + 0.0024$$

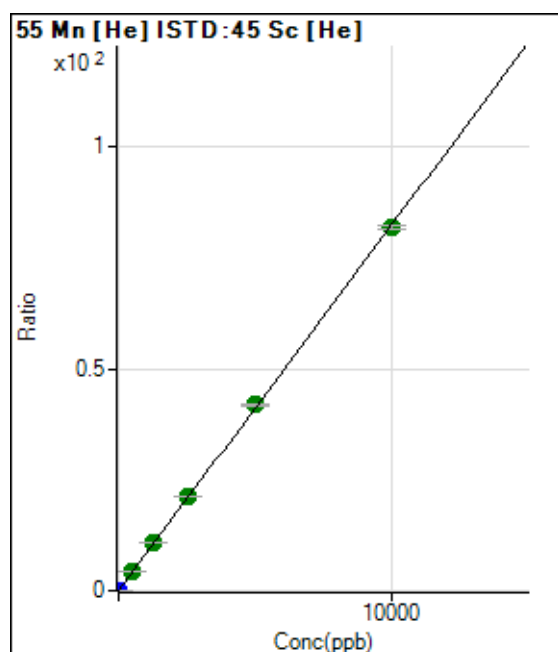
$$R = 0.9999$$

$$DL = 1.059$$

$$BEC = 4.489$$

Weight: <None>

Min Conc: 0



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	232.23	0.0005	P	11.2
2	☐	0.100	0.117	744.47	0.0014	P	6.7
3	☐	1.000	1.033	4687.44	0.0090	P	2.8
4	☐	500.000	535.985	2266415.75	4.4139	A	2.4
5	☐	1250.000	1303.609	5316297.80	10.7347	A	0.5
6	☐	2500.000	2571.977	10045625.20	21.1787	A	1.0
7	☐	5000.000	5093.565	19614012.21	41.9420	A	1.3
8	☐	10000.000	9926.723	38026859.99	81.7393	A	1.1
9	☐			29288.54	0.0609	P	0.7

$$y = 0.0082 * x + 4.5458E-004$$

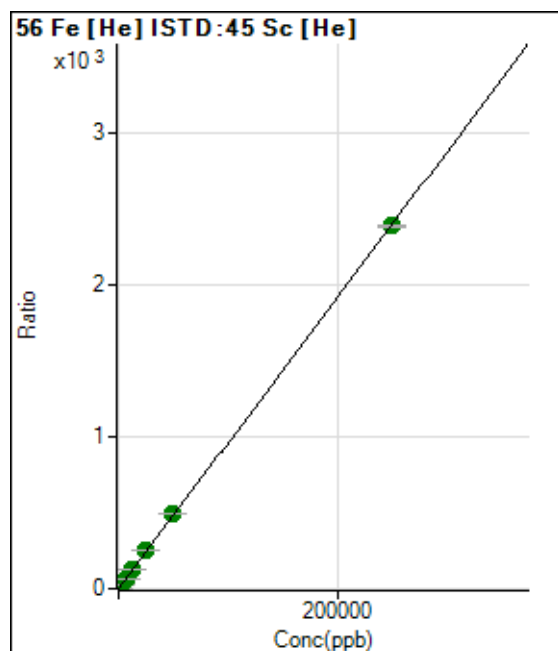
$$R = 0.9999$$

$$DL = 0.01858$$

$$BEC = 0.05521$$

Weight: <None>

Min Conc: 0



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	10387.07	0.0203	P	1.1
2	☐	5.000	6.194	41878.71	0.0797	P	0.3
3	☐	50.000	53.719	280125.18	0.5355	P	0.9
4	☐	2500.000	2754.709	13574705.05	26.4357	A	1.9
5	☐	6250.000	6747.727	32054431.97	64.7254	A	1.0
6	☐	12500.000	13292.589	60469299.96	127.4852	A	1.1
7	☐	25000.000	26230.648	117637030.41	251.5505	A	0.8
8	☐	50000.000	51386.411	229248781.05	492.7734	A	0.8
9	☐	250000.00	249545.03	1151233522.0	2,392.950	A	0.2

$$y = 0.0096 * x + 0.0203$$

$$R = 1.0000$$

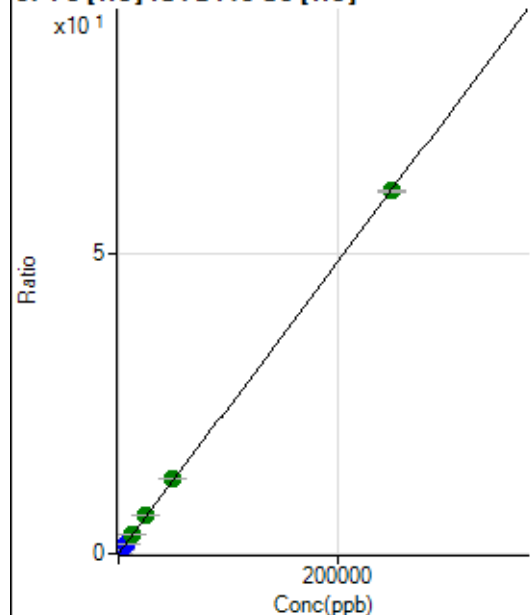
$$DL = 0.07064$$

$$BEC = 2.121$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	262.97	0.0005	P	7.1
2	☐	5.000	6.291	1070.43	0.0020	P	8.0
3	☐	50.000	53.229	7009.15	0.0134	P	4.3
4	☐	2500.000	2821.683	350974.17	0.6835	P	0.9
5	☐	6250.000	6934.774	831479.74	1.6790	P	1.2
6	☐	12500.000	13328.623	1530320.85	3.2265	A	2.0
7	☐	25000.000	26265.340	2973133.57	6.3576	A	0.7
8	☐	50000.000	51630.012	5813780.34	12.4967	A	0.8
9	☐	250000.00	249485.69	29051224.26	60.3846	A	0.4

$$y = 2.4203\text{E-}004 * x + 5.1480\text{E-}004$$

$$R = 1.0000$$

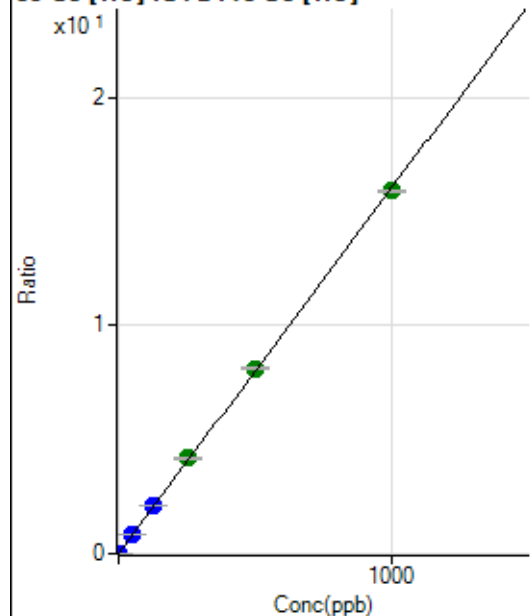
$$DL = 0.4545$$

$$BEC = 2.127$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	281.12	0.0006	P	13.7
2	☐	0.100	0.098	1111.17	0.0021	P	1.6
3	☐	1.000	1.031	8926.08	0.0171	P	2.2
4	☐	50.000	54.385	447376.33	0.8712	P	1.0
5	☐	125.000	132.805	1053195.58	2.1266	P	0.3
6	☐	250.000	260.559	1978798.91	4.1718	A	1.0
7	☐	500.000	507.348	3798510.95	8.1226	A	0.7
8	☐	1000.000	992.492	7391996.56	15.8892	A	0.7
9	☐			13481.70	0.0280	P	1.4

$$y = 0.0160 * x + 5.5044\text{E-}004$$

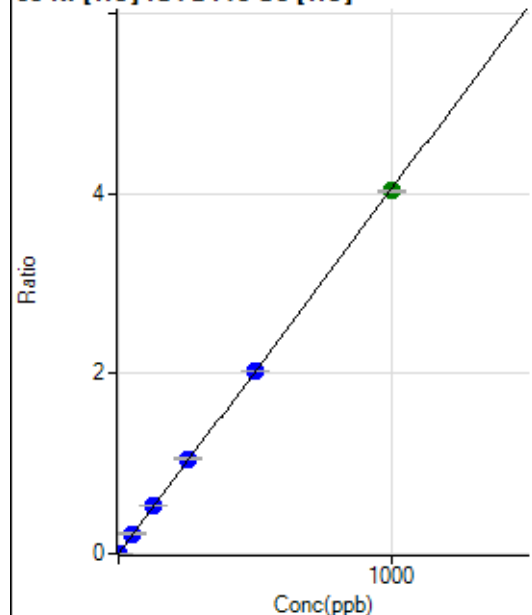
$$R = 0.9999$$

$$DL = 0.01418$$

$$BEC = 0.03438$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	63.34	0.0001	P	23.8
2	☐	0.100	0.108	295.56	0.0006	P	4.1
3	☐	1.000	1.053	2296.86	0.0044	P	5.3
4	☐	50.000	55.001	114541.81	0.2231	P	1.5
5	☐	125.000	132.335	265706.51	0.5365	P	0.6
6	☐	250.000	259.793	499534.75	1.0531	P	1.0
7	☐	500.000	502.945	953370.20	2.0386	P	0.3
8	☐	1000.000	994.912	1876088.96	4.0327	A	0.7
9	☐			14774.01	0.0307	P	1.0

$$y = 0.0041 * x + 1.2395E-004$$

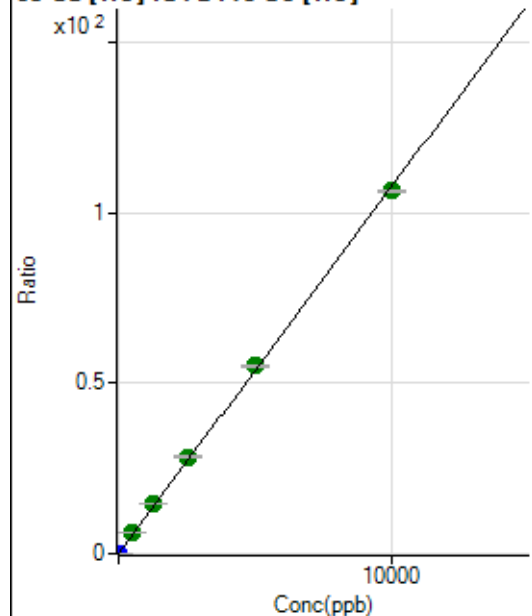
$$R = 0.9999$$

$$DL = 0.02187$$

$$BEC = 0.03058$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	1116.72	0.0022	P	1.6
2	☐	0.200	0.243	2519.13	0.0048	P	5.2
3	☐	2.000	2.151	13252.62	0.0253	P	0.4
4	☐	500.000	566.108	3129396.86	6.0940	A	1.0
5	☐	1250.000	1345.543	7171904.13	14.4815	A	1.0
6	☐	2500.000	2645.812	13505777.58	28.4735	A	0.9
7	☐	5000.000	5120.394	25768463.78	55.1023	A	0.7
8	☐	10000.000	9888.102	49503143.15	106.4072	A	0.4
9	☐			25829.02	0.0537	P	1.2

$$y = 0.0108 * x + 0.0022$$

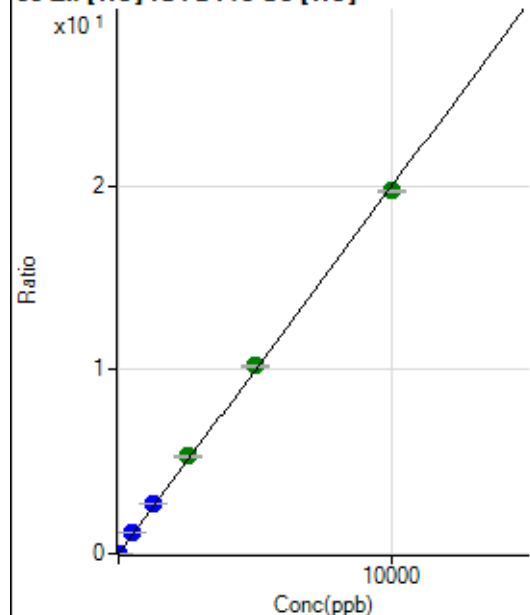
$$R = 0.9998$$

$$DL = 0.009509$$

$$BEC = 0.2032$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	634.46	0.0012	P	9.3
2	☒	0.200					
3	☐	2.000	2.288	3039.23	0.0058	P	1.8
4	☐	500.000	553.764	568295.89	1.1067	P	1.3
5	☐	1250.000	1356.098	1341281.99	2.7083	P	0.8
6	☐	2500.000	2658.313	2517610.38	5.3079	A	1.7
7	☐	5000.000	5126.169	4786060.97	10.2343	A	1.0
8	☐	10000.000	9881.387	9177433.47	19.7269	A	0.3
9	☐			13092.51	0.0272	P	0.4

$$y = 0.0020 * x + 0.0012$$

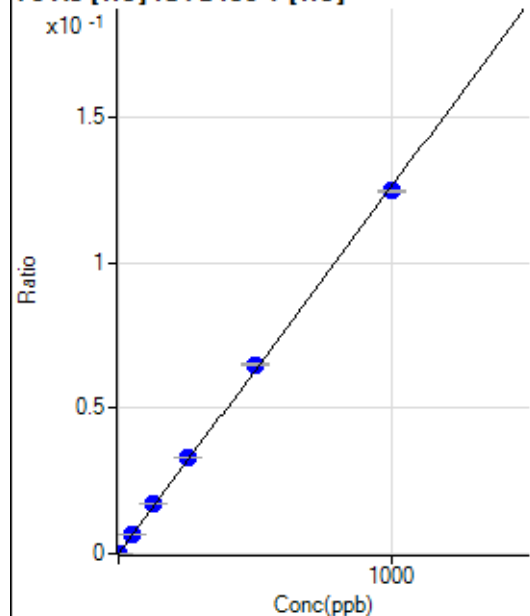
$$R = 0.9997$$

$$DL = 0.1743$$

$$BEC = 0.6224$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	19.14	0.0000	P	30.9
2	☐	0.100	0.103	83.34	0.0000	P	3.0
3	☐	1.000	1.049	663.60	0.0001	P	8.1
4	☐	50.000	53.992	32597.32	0.0068	P	0.8
5	☐	125.000	134.314	77855.29	0.0169	P	0.0
6	☐	250.000	261.872	146507.78	0.0330	P	0.4
7	☐	500.000	514.257	282856.80	0.0649	P	0.7
8	☐	1000.000	988.539	546560.41	0.1247	P	0.3
9	☐			220.99	0.0001	P	17.0

$$y = 1.2613E-004 * x + 3.9926E-006$$

$$R = 0.9997$$

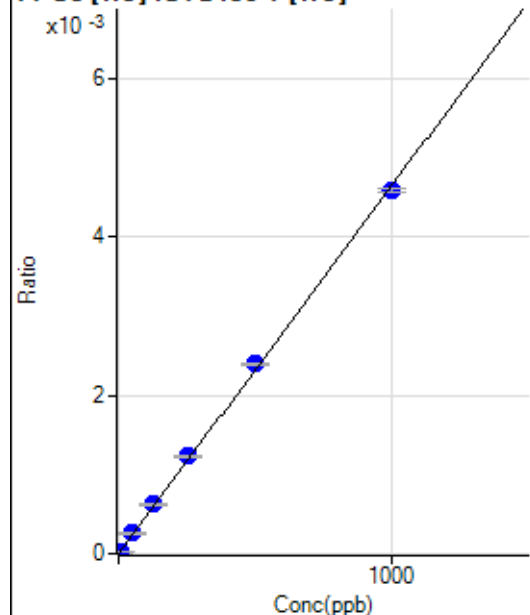
$$DL = 0.02931$$

$$BEC = 0.03165$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	0.00	0.0000	P	
2	☐	0.500	0.343	7.78	0.0000	P	25.7
3	☐	5.000	4.172	94.44	0.0000	P	22.8
4	☐	50.000	55.460	1232.29	0.0003	P	2.7
5	☐	125.000	135.120	2883.64	0.0006	P	4.0
6	☐	250.000	265.242	5463.29	0.0012	P	2.4
7	☐	500.000	515.831	10447.09	0.0024	P	0.7
8	☐	1000.000	986.740	20089.27	0.0046	P	1.1
9	☐			3.33	0.0000	P	100.7

$$y = 4.6446\text{E-}006 * x + 0.0000\text{E+}000$$

$$R = 0.9997$$

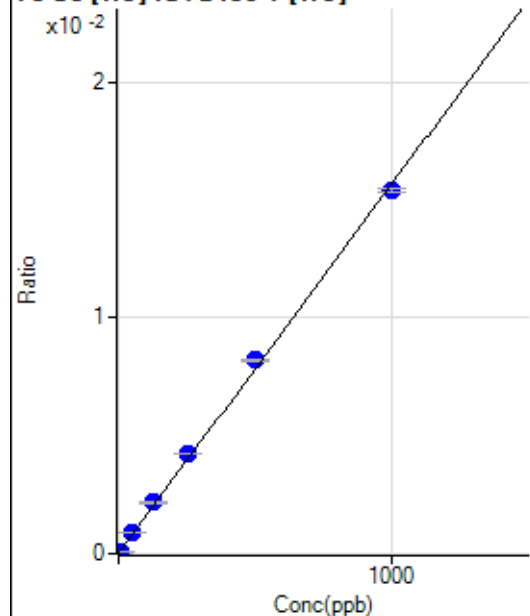
$$DL = 0$$

$$BEC = 0$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	136.42	0.0000	P	21.1
2	☐	0.500	0.488	176.55	0.0000	P	9.4
3	☐	5.000	5.023	521.00	0.0001	P	1.2
4	☐	50.000	54.777	4233.96	0.0009	P	0.8
5	☐	125.000	136.582	9944.11	0.0022	P	0.7
6	☐	250.000	268.683	18761.24	0.0042	P	1.2
7	☐	500.000	522.500	35754.01	0.0082	P	0.0
8	☐	1000.000	982.393	67464.57	0.0154	P	1.0
9	☐			113.58	0.0000	P	6.3

$$y = 1.5638\text{E-}005 * x + 2.8468\text{E-}005$$

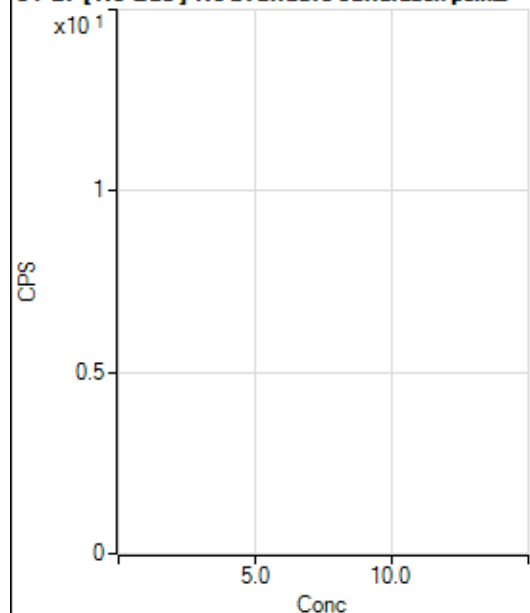
$$R = 0.9994$$

$$DL = 1.155$$

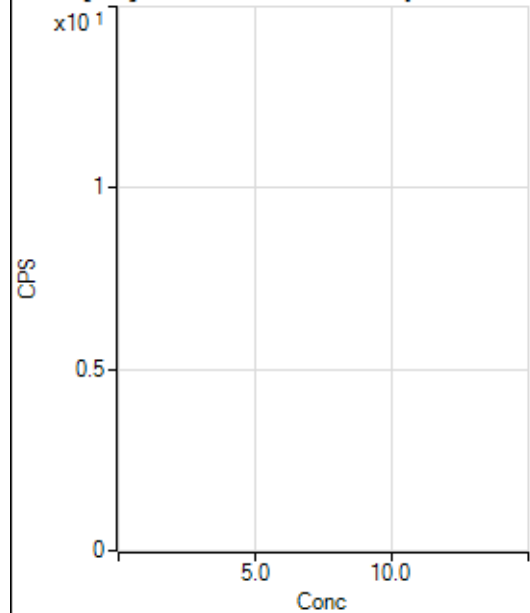
$$BEC = 1.821$$

Weight: <None>

Min Conc: 0

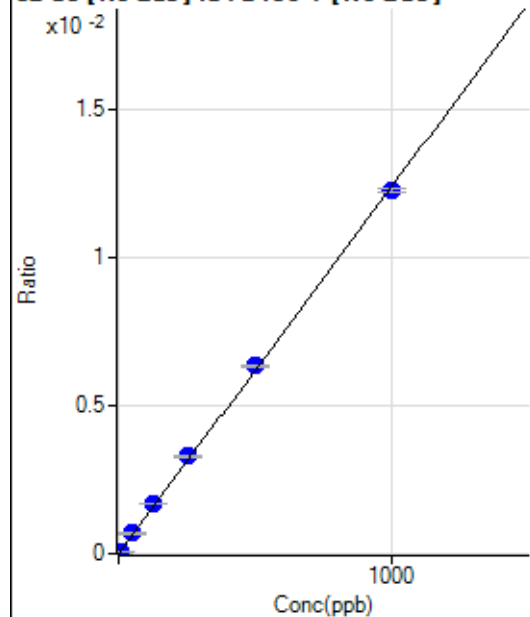
81 Br [No Gas] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t.	RSD
1	☐			5870.77		P	4.1
2	☐			5873.55		P	4.3
3	☐			6004.17		P	0.2
4	☐			5951.36		P	5.9
5	☐			5453.95		P	2.5
6	☐			5237.18		P	1.4
7	☐			5062.14		P	4.5
8	☐			4962.06		P	5.2
9	☐			4898.17		P	3.3

81 Br [He] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t.	RSD
1	☐			46.71		P	12.4
2	☐			80.08		P	25.0
3	☐			50.05		P	34.6
4	☐			33.37		P	45.8
5	☐			86.75		P	6.7
6	☐			60.06		P	44.1
7	☐			80.08		P	43.3
8	☐			60.06		P	28.9
9	☐			86.75		P	43.7

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	-49.96	0.0000	P	-365.
2	☒	0.500					
3	☐	5.000	6.153	1388.58	0.0001	P	19.8
4	☐	50.000	55.268	12567.67	0.0007	P	1.6
5	☐	125.000	134.431	30025.89	0.0017	P	0.8
6	☐	250.000	264.807	56448.49	0.0033	P	1.7
7	☐	500.000	511.288	108436.36	0.0063	P	0.8
8	☐	1000.000	989.206	207342.06	0.0122	P	1.2
9	☐			-29.91	0.0000	P	-372.

$$y = 1.2369E-005 * x - 2.7056E-006$$

$$R = 0.9998$$

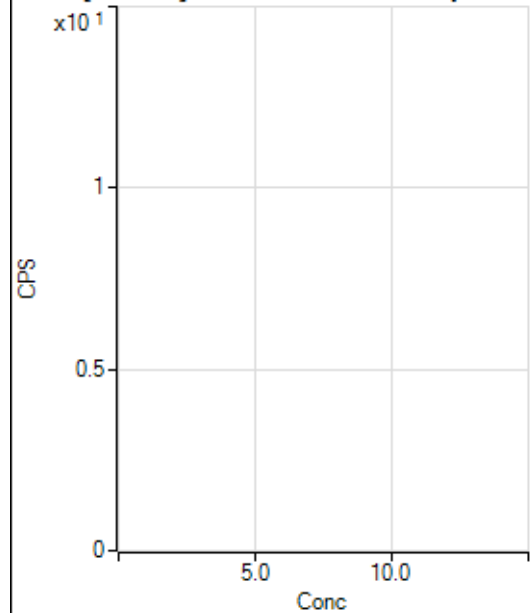
$$DL = 2.399$$

$$BEC = -0.2187$$

Weight: <None>

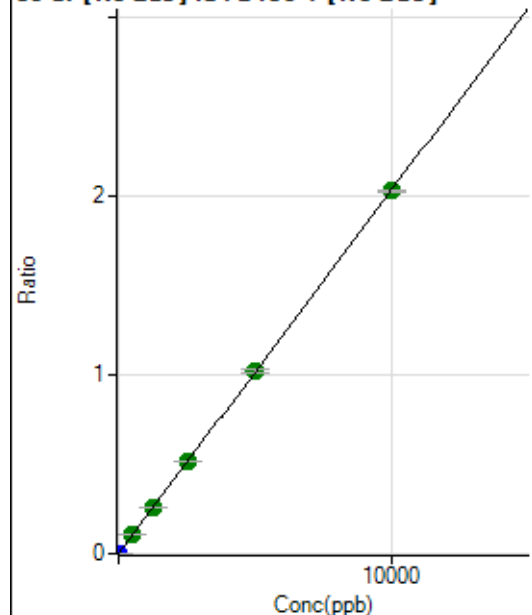
Min Conc: 0

83 Kr [No Gas] No available calibration points



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐			4210.64		P	5.0
2	☐			4238.42		P	3.2
3	☐			4160.63		P	5.6
4	☐			4321.79		P	1.8
5	☐			4152.85		P	3.5
6	☐			4099.49		P	4.4
7	☐			3967.24		P	2.7
8	☐			3787.18		P	3.6
9	☐			3920.55		P	3.5

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	6715.61	0.0004	P	1.6
2	☐	0.100	0.169	7324.24	0.0004	P	3.6
3	☐	1.000	1.019	10754.14	0.0006	P	0.9
4	☐	500.000	524.186	1973018.36	0.1069	A	1.1
5	☐	1250.000	1281.647	4717215.64	0.2608	A	0.9
6	☐	2500.000	2532.713	8884904.45	0.5151	A	0.8
7	☐	5000.000	5016.183	17493211.50	1.0198	A	1.4
8	☐	10000.000	9978.565	34378902.15	2.0283	A	0.7
9	☐			30849.50	0.0019	P	2.8

$$y = 2.0323E-004 * x + 3.6117E-004$$

$$R = 1.0000$$

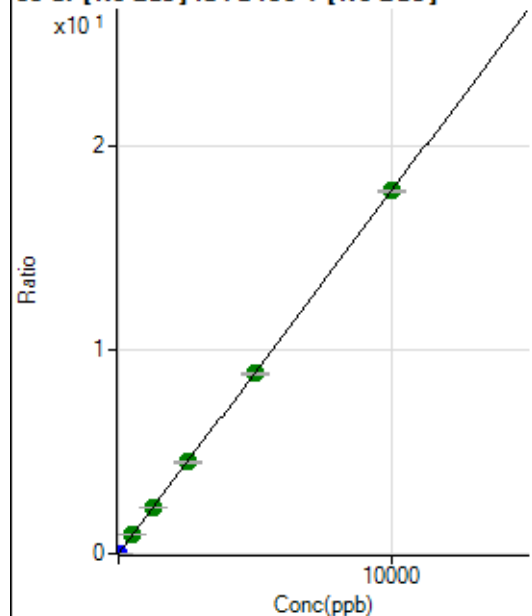
$$DL = 0.08667$$

$$BEC = 1.777$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	452.79	0.0000	P	17.0
2	☐	0.100	0.098	3675.57	0.0002	P	3.7
3	☐	1.000	0.963	32898.58	0.0017	P	1.8
4	☐	500.000	522.002	17148146.39	0.9290	A	1.1
5	☐	1250.000	1261.705	40611905.08	2.2455	A	1.1
6	☐	2500.000	2524.470	77498596.87	4.4928	A	0.8
7	☐	5000.000	4981.709	152089485.35	8.8659	A	1.1
8	☐	10000.000	10000.465	301669112.30	17.7977	A	0.2
9	☐			213593.08	0.0132	P	0.4

$$y = 0.0018 * x + 2.4363E-005$$

$$R = 1.0000$$

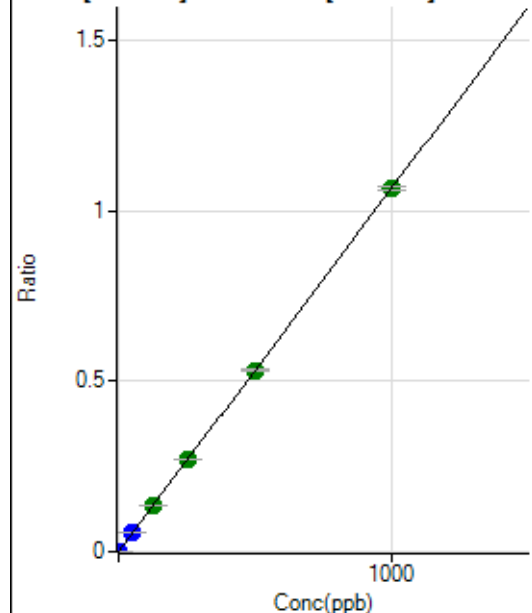
$$DL = 0.006965$$

$$BEC = 0.01369$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	769.49	0.0000	P	11.2
2	☐	0.100	0.105	2836.47	0.0002	P	3.5
3	☐	1.000	0.954	20033.53	0.0011	P	3.3
4	☐	50.000	52.982	1043697.20	0.0565	P	1.5
5	☐	125.000	128.130	2472186.95	0.1367	A	0.7
6	☐	250.000	253.581	4665831.10	0.2705	A	0.5
7	☐	500.000	499.638	9141383.80	0.5329	A	0.3
8	☐	1000.000	998.746	18055004.74	1.0652	A	1.1
9	☐			9489.38	0.0006	P	3.7

$$y = 0.0011 * x + 4.1381E-005$$

$$R = 1.0000$$

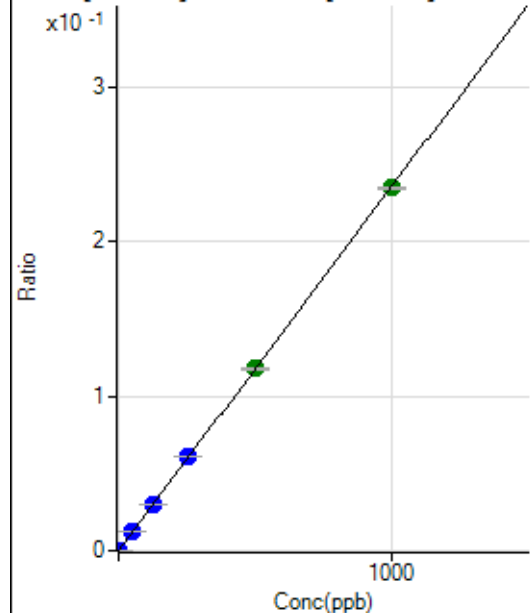
$$DL = 0.01299$$

$$BEC = 0.0388$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	152.78	0.0000	P	6.2
2	☐	0.100	0.101	594.47	0.0000	P	17.2
3	☐	1.000	0.988	4561.94	0.0002	P	1.8
4	☐	50.000	52.692	229401.18	0.0124	P	2.5
5	☐	125.000	128.201	546731.91	0.0302	P	1.8
6	☐	250.000	258.585	1051763.84	0.0610	P	0.3
7	☐	500.000	500.916	2025877.82	0.1181	A	0.7
8	☐	1000.000	996.861	3983570.75	0.2350	A	0.4
9	☐			2211.33	0.0001	P	4.8

$$y = 2.3575E-004 * x + 8.2176E-006$$

$$R = 1.0000$$

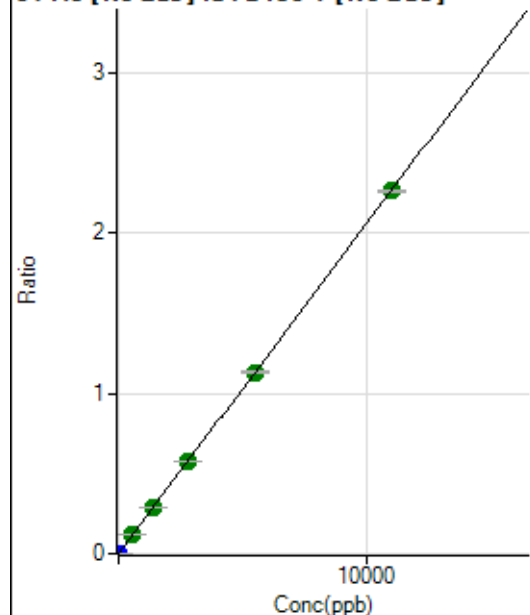
$$DL = 0.006529$$

$$BEC = 0.03486$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	297.23	0.0000	P	27.1
2	☐	0.500	0.604	2603.07	0.0001	P	3.7
3	☐	5.000	5.963	23575.08	0.0012	P	1.9
4	☐	550.000	582.835	2218152.98	0.1202	A	3.0
5	☐	1375.000	1396.692	5208872.25	0.2880	A	1.6
6	☐	2750.000	2796.636	9947807.43	0.5767	A	1.4
7	☐	5500.000	5499.359	19452332.90	1.1340	A	0.9
8	☐	11000.000	10984.308	38392178.98	2.2650	A	0.6
9	☐			13342.53	0.0008	P	4.3

$$y = 2.0621\text{E-}004 * x + 1.6008\text{E-}005$$

$$R = 1.0000$$

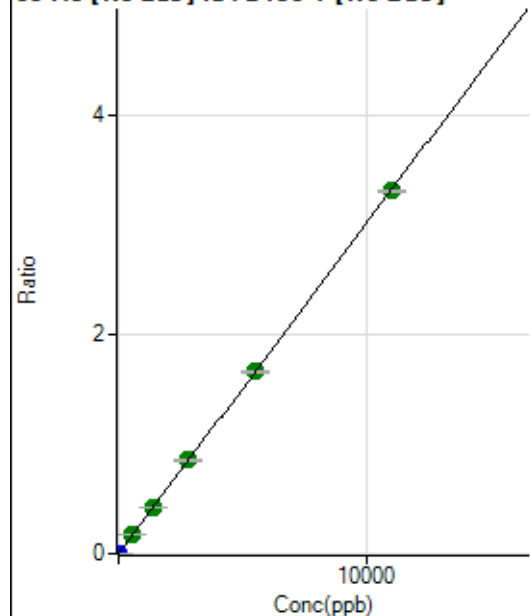
$$DL = 0.06302$$

$$BEC = 0.07763$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	66.67	0.0000	P	12.3
2	☐	0.500	0.490	2803.12	0.0002	P	10.4
3	☐	5.000	5.027	28781.62	0.0015	P	2.1
4	☐	550.000	579.918	3230345.71	0.1750	A	2.2
5	☐	1375.000	1412.031	7707839.76	0.4262	A	0.7
6	☐	2750.000	2822.537	14694943.03	0.8519	A	0.9
7	☐	5500.000	5516.638	28560904.11	1.6650	A	1.2
8	☐	11000.000	10967.422	56107176.26	3.3102	A	0.7
9	☐			17563.67	0.0011	P	3.8

$$y = 3.0182\text{E-}004 * x + 3.5851\text{E-}006$$

$$R = 1.0000$$

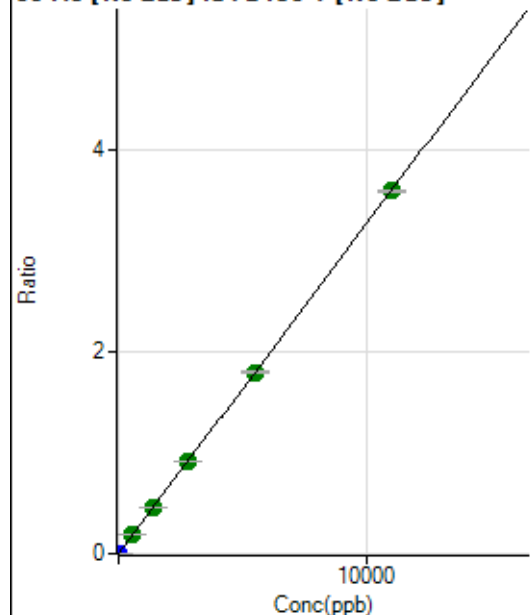
$$DL = 0.004368$$

$$BEC = 0.01188$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	338.90	0.0000	P	19.6
2	☐	0.500	0.533	3564.43	0.0002	P	11.0
3	☐	5.000	5.078	31807.49	0.0017	P	1.0
4	☐	550.000	579.146	3499636.54	0.1896	A	2.0
5	☐	1375.000	1407.684	8335194.02	0.4609	A	0.8
6	☐	2750.000	2792.004	15767294.28	0.9141	A	1.1
7	☐	5500.000	5498.448	30878638.19	1.8001	A	0.7
8	☐	11000.000	10984.732	60955675.67	3.5962	A	0.3
9	☐			21190.79	0.0013	P	4.4

$$y = 3.2738E-004 * x + 1.8219E-005$$

$$R = 1.0000$$

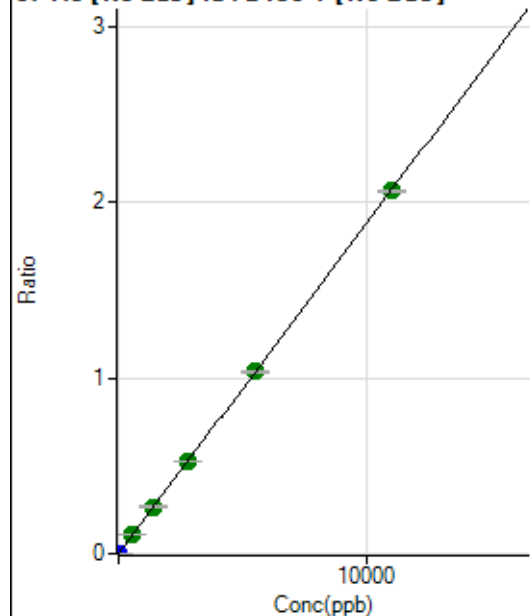
$$DL = 0.03266$$

$$BEC = 0.05565$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	30.56	0.0000	P	84.0
2	☐	0.500	0.511	1811.27	0.0001	P	2.9
3	☐	5.000	4.964	17716.72	0.0009	P	2.5
4	☐	550.000	581.838	2021685.72	0.1095	A	1.3
5	☐	1375.000	1418.487	4829291.55	0.2670	A	1.3
6	☐	2750.000	2794.991	9076396.21	0.5262	A	0.9
7	☐	5500.000	5512.882	17801654.74	1.0378	A	1.1
8	☐	11000.000	10975.283	35019758.42	2.0661	A	0.8
9	☐			10509.58	0.0006	P	1.8

$$y = 1.8825E-004 * x + 1.6479E-006$$

$$R = 1.0000$$

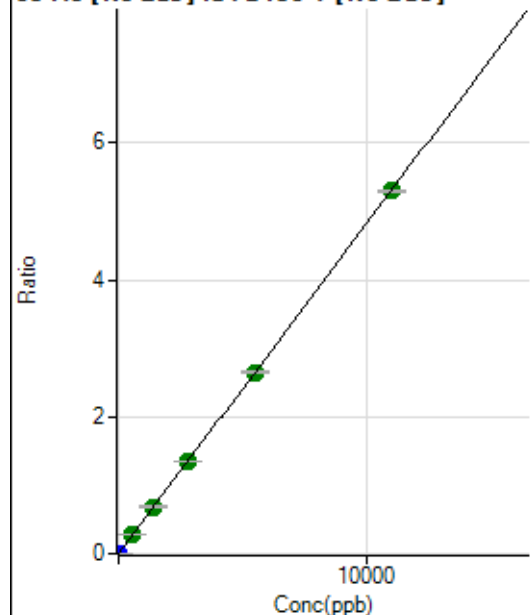
$$DL = 0.02206$$

$$BEC = 0.008754$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	158.34	0.0000	P	14.7
2	☐	0.500	0.510	4717.56	0.0003	P	3.4
3	☐	5.000	4.980	45630.19	0.0024	P	0.3
4	☐	550.000	576.625	5134734.57	0.2782	A	2.1
5	☐	1375.000	1423.492	12420784.83	0.6868	A	1.6
6	☐	2750.000	2806.914	23361726.04	1.3543	A	0.9
7	☐	5500.000	5491.465	45449078.10	2.6495	A	0.6
8	☐	11000.000	10982.646	89814607.56	5.2989	A	0.7
9	☐			27298.28	0.0017	P	3.9

$$y = 4.8247\text{E-}004 * x + 8.5229\text{E-}006$$

$$R = 1.0000$$

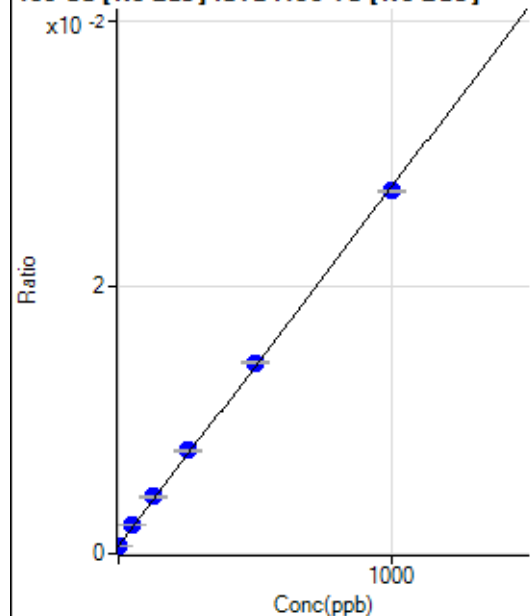
$$DL = 0.007805$$

$$BEC = 0.01766$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	7704.92	0.0006	P	3.5
2	☐	0.100	0.598	7907.80	0.0006	P	2.5
3	☐	1.000	1.245	8330.26	0.0006	P	3.0
4	☐	50.000	57.773	27970.08	0.0022	P	0.7
5	☐	125.000	136.237	54727.68	0.0043	P	1.4
6	☐	250.000	264.630	97478.18	0.0077	P	1.3
7	☐	500.000	510.626	179423.16	0.0143	P	0.7
8	☐	1000.000	989.236	341287.13	0.0272	P	0.5
9	☐			7261.63	0.0006	P	2.6

$$y = 2.6896\text{E-}005 * x + 5.9779\text{E-}004$$

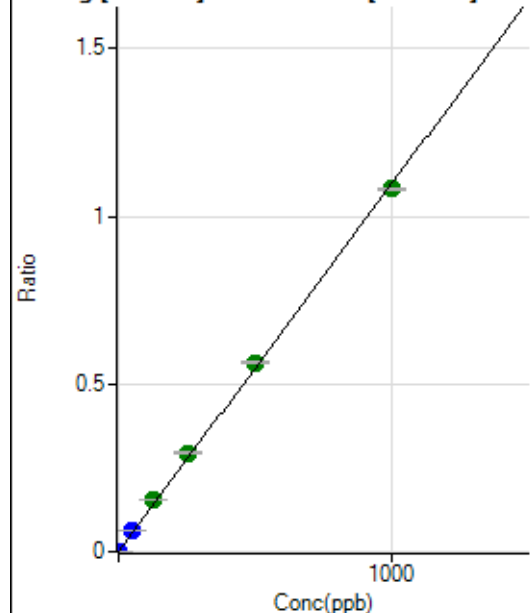
$$R = 0.9998$$

$$DL = 2.356$$

$$BEC = 22.23$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	93.06	0.0000	P	17.7
2	☐	0.100	0.090	1368.14	0.0001	P	4.4
3	☐	1.000	1.074	15636.34	0.0012	P	2.7
4	☐	50.000	58.595	835160.79	0.0642	P	0.4
5	☐	125.000	139.436	1962983.96	0.1529	A	1.1
6	☐	250.000	266.916	3697074.52	0.2926	A	1.9
7	☐	500.000	513.227	7044085.66	0.5627	A	0.8
8	☐	1000.000	986.923	13573839.97	1.0820	A	0.5
9	☐			4236.78	0.0004	P	4.8

$$y = 0.0011 * x + 7.2254E-006$$

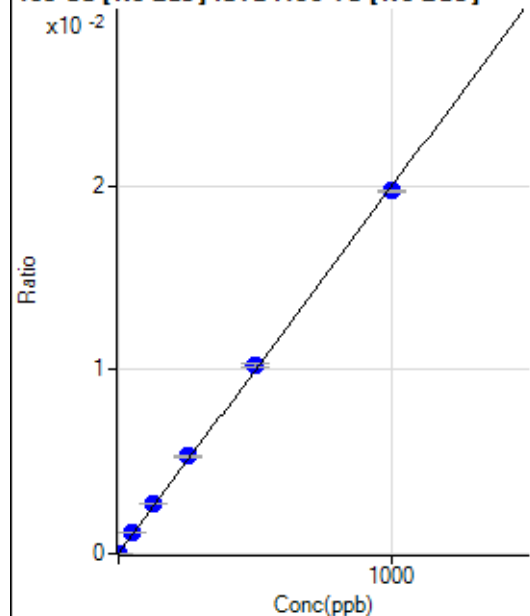
$$R = 0.9996$$

$$DL = 0.003494$$

$$BEC = 0.006591$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	155.56	0.0000	P	5.3
2	☐	0.100	0.222	212.50	0.0000	P	19.1
3	☐	1.000	0.889	393.06	0.0000	P	1.5
4	☐	50.000	57.007	14923.07	0.0011	P	2.0
5	☐	125.000	136.836	35164.83	0.0027	P	1.3
6	☐	250.000	264.941	66848.97	0.0053	P	0.9
7	☐	500.000	512.040	127870.81	0.0102	P	1.5
8	☐	1000.000	988.415	247223.43	0.0197	P	0.4
9	☐			233.34	0.0000	P	7.4

$$y = 1.9925E-005 * x + 1.2066E-005$$

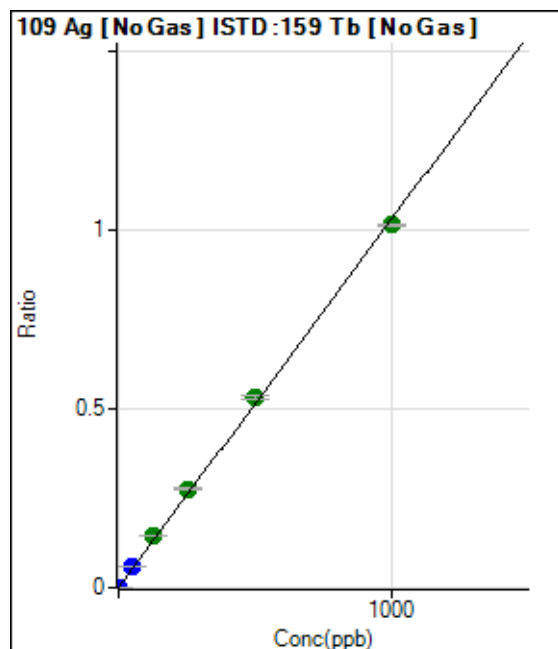
$$R = 0.9997$$

$$DL = 0.09661$$

$$BEC = 0.6055$$

Weight: <None>

Min Conc: 0



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	6.95	0.0000	P	124.5
2	☐	0.100	0.093	1243.13	0.0001	P	7.3
3	☐	1.000	1.078	14677.02	0.0011	P	3.8
4	☐	50.000	58.093	778905.81	0.0599	P	0.7
5	☐	125.000	140.634	1862644.77	0.1451	A	0.6
6	☐	250.000	268.405	3497579.05	0.2768	A	1.2
7	☐	500.000	515.925	6661782.61	0.5321	A	1.9
8	☐	1000.000	985.077	12746224.68	1.0160	A	0.5
9	☐			3958.91	0.0003	P	4.5

$$y = 0.0010 * x + 5.3462E-007$$

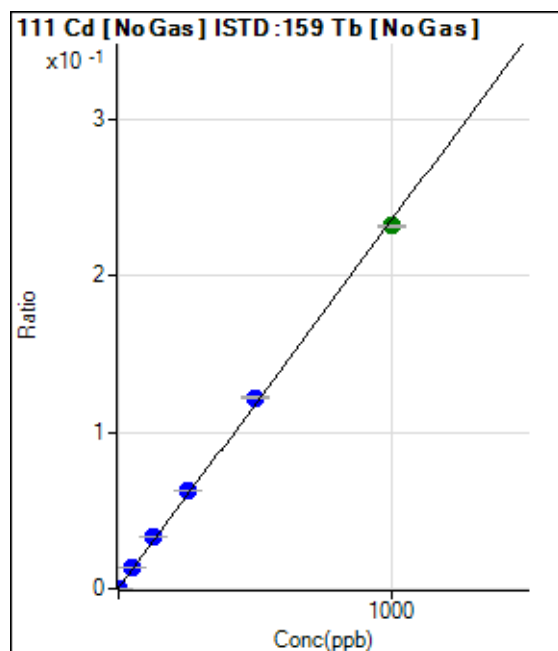
$$R = 0.9995$$

$$DL = 0.001936$$

$$BEC = 0.0005183$$

Weight: <None>

Min Conc: 0



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	3021.98	0.0002	P	4.0
2	☐	0.100	0.125	3399.33	0.0003	P	0.3
3	☐	1.000	1.083	6454.19	0.0005	P	1.8
4	☐	50.000	57.108	177552.46	0.0137	P	0.8
5	☐	125.000	138.971	422469.40	0.0329	P	1.6
6	☐	250.000	266.263	793736.29	0.0628	P	0.9
7	☐	500.000	517.894	1526958.45	0.1220	P	1.3
8	☐	1000.000	984.885	2907380.79	0.2317	A	0.5
9	☐			3661.26	0.0003	P	3.2

$$y = 2.3507E-004 * x + 2.3447E-004$$

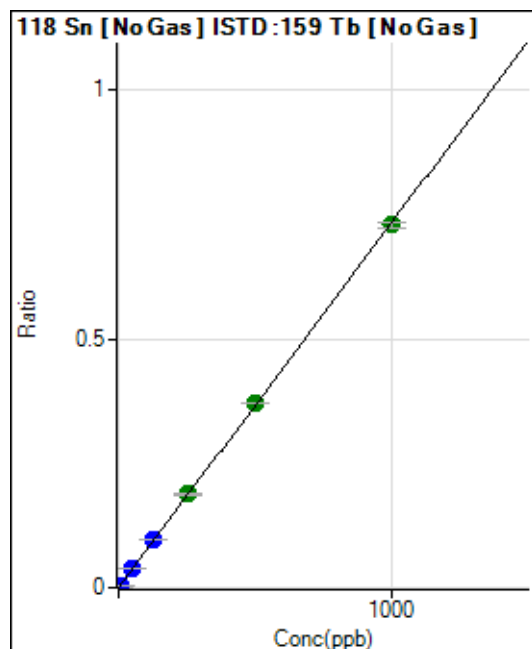
$$R = 0.9996$$

$$DL = 0.1192$$

$$BEC = 0.9975$$

Weight: <None>

Min Conc: 0



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	1614.04	0.0001	P	13.8
2	☐	0.500	0.449	5851.36	0.0005	P	2.7
3	☐	5.000	4.895	48989.46	0.0037	P	1.9
4	☐	50.000	54.744	523116.78	0.0402	P	0.8
5	☐	125.000	132.438	1247724.93	0.0972	P	2.2
6	☐	250.000	256.896	2379941.15	0.1884	A	1.7
7	☐	500.000	504.909	4633945.42	0.3701	A	0.2
8	☐	1000.000	994.655	9145346.47	0.7290	A	1.3
9	☐			6101.45	0.0005	P	1.9

$$y = 7.3280\text{E-}004 * x + 1.2530\text{E-}004$$

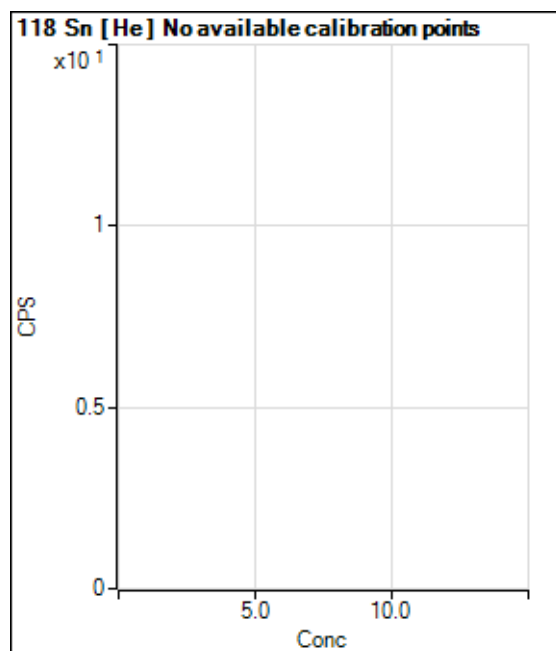
$$R = 0.9999$$

$$DL = 0.07097$$

$$BEC = 0.171$$

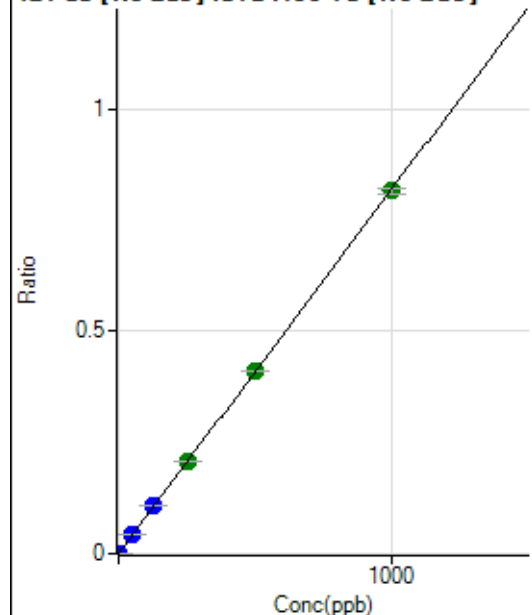
Weight: <None>

Min Conc: 0



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐			690.73		P	18.2
2	☐			2803.16		P	9.4
3	☐			21915.81		P	3.9
4	☐			222696.34		P	0.7
5	☐			532796.00		P	1.4
6	☐			1019602.04		P	1.1
7	☐			1976150.43		A	0.4
8	☐			3884341.21		A	1.2
9	☐			2866.58		P	3.5

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	55.56	0.0000	P	19.8
2	☐	0.200	0.210	2271.04	0.0002	P	5.2
3	☐	2.000	1.970	21364.58	0.0016	P	2.1
4	☐	50.000	54.541	581292.98	0.0447	P	1.0
5	☐	125.000	132.050	1390091.57	0.1083	P	1.5
6	☐	250.000	254.724	2638388.04	0.2088	A	1.0
7	☐	500.000	502.980	5162593.91	0.4124	A	0.2
8	☐	1000.000	996.221	10245486.34	0.8167	A	1.7
9	☐			8295.52	0.0007	P	1.8

$$y = 8.1981\text{E-}004 * x + 4.3148\text{E-}006$$

$$R = 1.0000$$

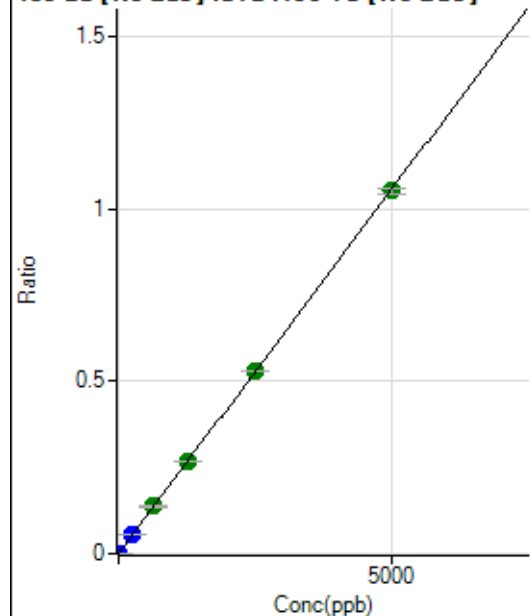
$$DL = 0.003128$$

$$BEC = 0.005263$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	41.67	0.0000	P	39.3
2	☐	1.000	0.961	2658.65	0.0002	P	6.0
3	☐	10.000	9.572	26753.57	0.0020	P	1.1
4	☐	250.000	265.397	729508.90	0.0561	P	1.5
5	☐	625.000	648.633	1761139.71	0.1372	A	1.2
6	☐	1250.000	1268.975	3390028.87	0.2683	A	1.0
7	☐	2500.000	2519.888	6670892.42	0.5328	A	0.1
8	☐	5000.000	4981.589	13213917.31	1.0533	A	1.3
9	☐			5387.29	0.0005	P	1.5

$$y = 2.1144\text{E-}004 * x + 3.2273\text{E-}006$$

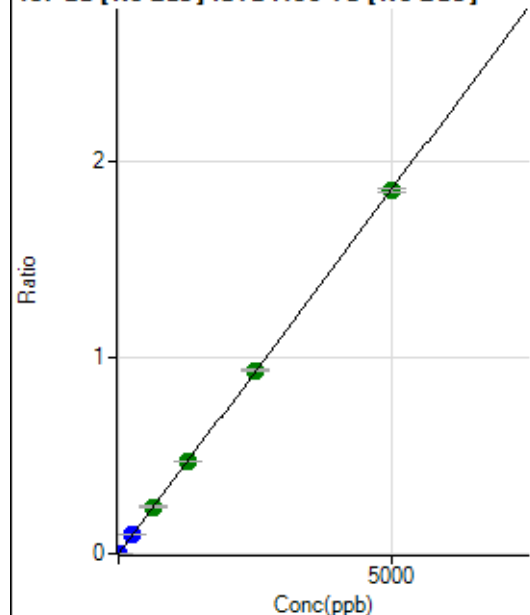
$$R = 1.0000$$

$$DL = 0.018$$

$$BEC = 0.01526$$

Weight: <None>

Min Conc: 0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	30.56	0.0000	P	41.4
2	☐	1.000	1.019	4906.52	0.0004	P	5.0
3	☐	10.000	9.719	47697.52	0.0036	P	2.6
4	☐	250.000	267.905	1294383.99	0.0996	P	0.3
5	☐	625.000	644.283	3074847.83	0.2395	A	0.9
6	☐	1250.000	1269.749	5962418.49	0.4719	A	0.7
7	☐	2500.000	2518.134	11717115.63	0.9359	A	0.8
8	☐	5000.000	4982.691	23232098.61	1.8519	A	0.9
9	☐			11167.40	0.0010	P	26.6

$$y = 3.7166\text{E-}004 * x + 2.3667\text{E-}006$$

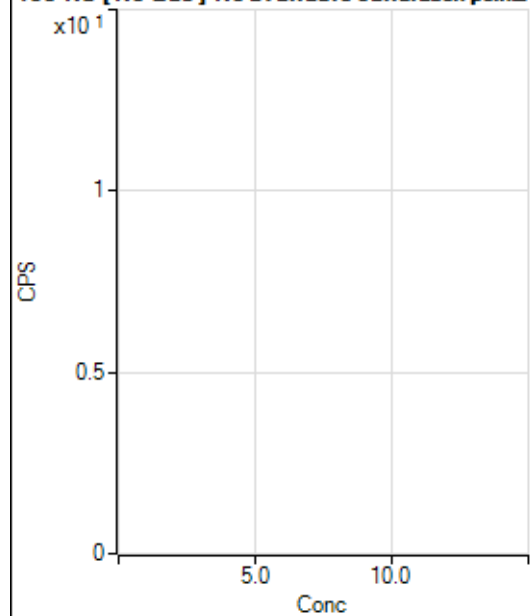
$$R = 1.0000$$

$$DL = 0.00791$$

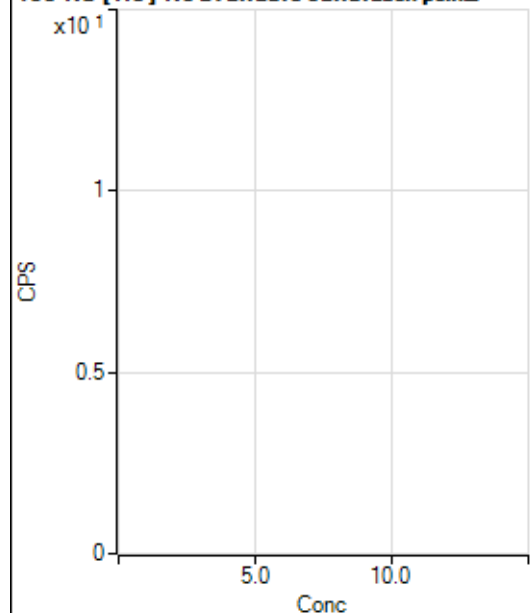
$$BEC = 0.006368$$

Weight: <None>

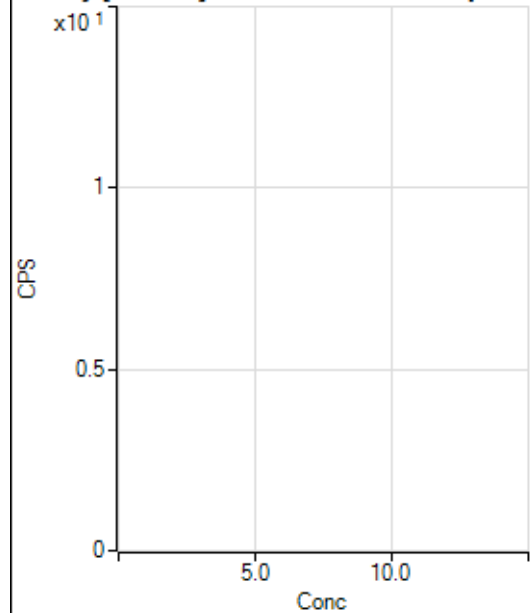
Min Conc: 0

150 Nd [No Gas] No available calibration points

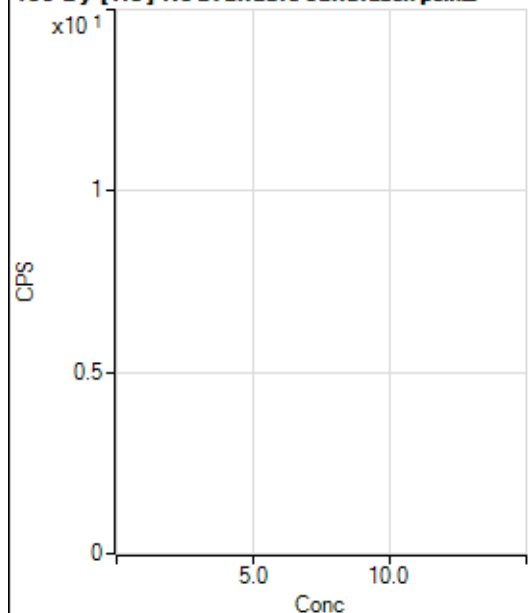
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐			2.22		P	173.2
2	☐			2.22		P	173.2
3	☐			2.22		P	173.2
4	☐			55.56		P	45.4
5	☐			153.34		P	11.5
6	☐			246.67		P	29.2
7	☐			506.69		P	2.6
8	☐			980.06		P	19.7
9	☐			111.12		P	36.2

150 Nd [He] No available calibration points

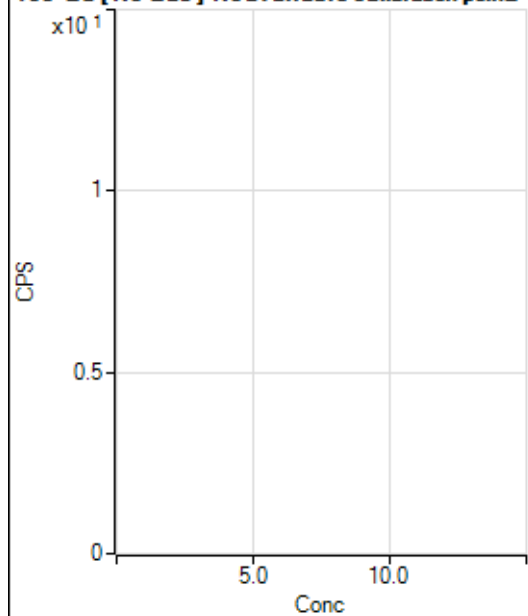
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t.	RSD
1	☐			3.33		P	100.1
2	☐			0.00		P	
3	☐			1.11		P	173.2
4	☐			16.67		P	34.6
5	☐			22.22		P	69.3
6	☐			62.22		P	18.8
7	☐			103.33		P	5.6
8	☐			158.89		P	6.7
9	☐			55.55		P	12.5

156 Dy [No Gas] No available calibration points

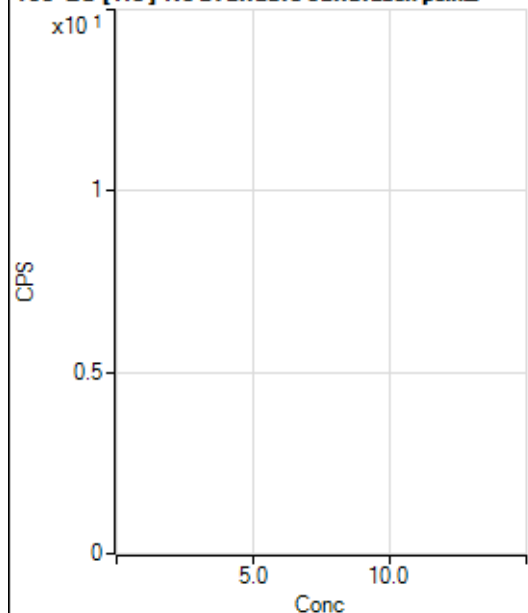
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t.	RSD
1	☐			5.55		P	86.6
2	☐			16.67		P	100.0
3	☐			5.55		P	86.6
4	☐			47.22		P	20.4
5	☐			108.34		P	13.3
6	☐			191.67		P	13.0
7	☐			383.35		P	4.3
8	☐			802.82		P	9.8
9	☐			2364.15		P	4.2

156 Dy [He] No available calibration points

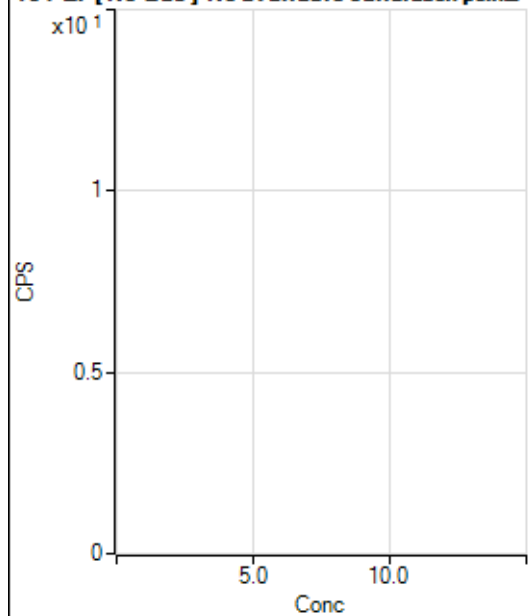
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐			3.33		P	100.1
2	☐			11.11		P	45.8
3	☐			7.78		P	89.2
4	☐			57.78		P	17.6
5	☐			101.11		P	21.2
6	☐			175.56		P	12.2
7	☐			381.12		P	4.8
8	☐			676.69		P	3.9
9	☐			1554.55		P	3.5

160 Gd [No Gas] Noavailable calibration poin_

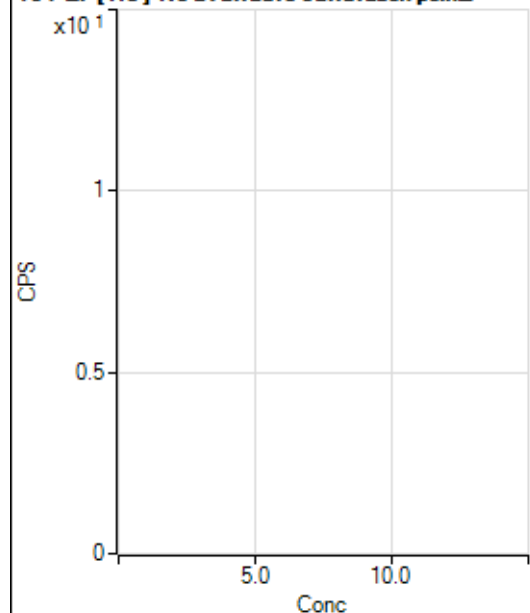
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐			58.33		P	42.9
2	☐			58.34		P	28.6
3	☐			72.22		P	56.9
4	☐			97.22		P	4.9
5	☐			130.56		P	32.8
6	☐			188.90		P	18.4
7	☐			313.90		P	13.1
8	☐			588.92		P	2.2
9	☐			2150.22		P	7.6

160 Gd [He] No available calibration points

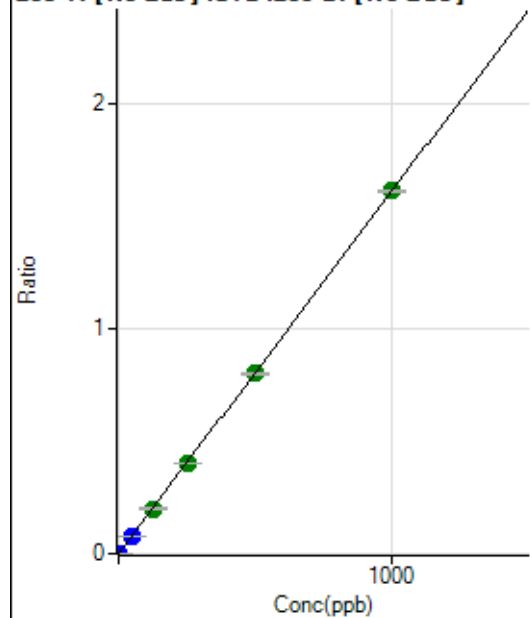
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t.	RSD
1	☐			255.56		P	6.4
2	☐			235.56		P	17.5
3	☐			230.00		P	5.2
4	☐			226.67		P	3.9
5	☐			278.89		P	12.4
6	☐			346.68		P	4.2
7	☐			395.57		P	10.0
8	☐			582.24		P	5.2
9	☐			1777.91		P	4.4

164 Er [No Gas] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t.	RSD
1	☐			94.45		P	39.8
2	☐			80.56		P	33.3
3	☐			102.78		P	16.9
4	☐			91.67		P	36.4
5	☐			108.34		P	27.7
6	☐			125.00		P	29.1
7	☐			172.23		P	26.6
8	☐			213.90		P	22.2
9	☐			408.35		P	16.7

164 Er [He] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐			55.56		P	40.0
2	☐			75.56		P	6.7
3	☐			64.44		P	3.0
4	☐			57.78		P	18.5
5	☐			61.11		P	26.9
6	☐			92.22		P	12.7
7	☐			118.89		P	9.0
8	☐			158.89		P	8.7
9	☐			273.34		P	13.7

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	1547.35	0.0002	P	3.8
2	☐	0.100	0.083	2853.15	0.0003	P	5.0
3	☐	1.000	0.869	15334.05	0.0016	P	4.8
4	☐	50.000	49.597	781062.60	0.0800	P	0.3
5	☐	125.000	124.564	1947069.36	0.2006	A	0.4
6	☐	250.000	249.839	3754766.06	0.4022	A	0.4
7	☐	500.000	496.769	7433223.78	0.7995	A	1.2
8	☐	1000.000	1001.730	14535559.18	1.6120	A	0.4
9	☐			3628.36	0.0005	P	13.2

$$y = 0.0016 * x + 1.5884E-004$$

$$R = 1.0000$$

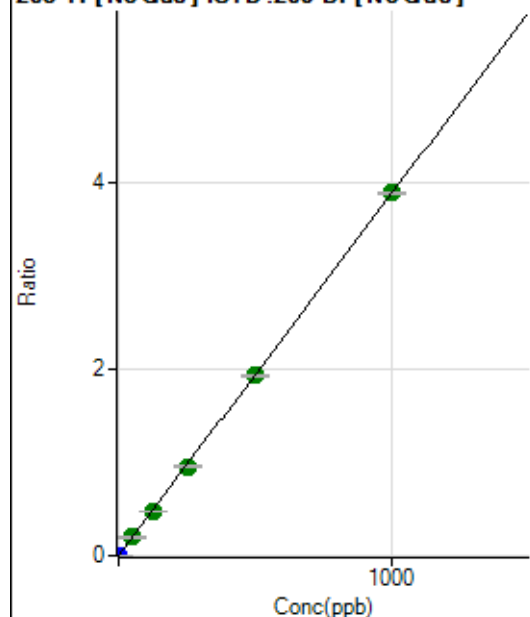
$$DL = 0.01138$$

$$BEC = 0.09872$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	3700.60	0.0004	P	4.0
2	☐	0.100	0.080	6729.64	0.0007	P	3.0
3	☐	1.000	0.860	36552.57	0.0037	P	0.5
4	☐	50.000	50.649	1919159.51	0.1965	A	1.1
5	☐	125.000	123.651	4650867.12	0.4792	A	1.1
6	☐	250.000	246.710	8922334.32	0.9556	A	0.4
7	☐	500.000	497.673	17921020.71	1.9274	A	0.7
8	☐	1000.000	1002.122	34992182.03	3.8806	A	0.2
9	☐			8800.31	0.0012	P	8.5

$$y = 0.0039 * x + 3.7985E-004$$

$$R = 1.0000$$

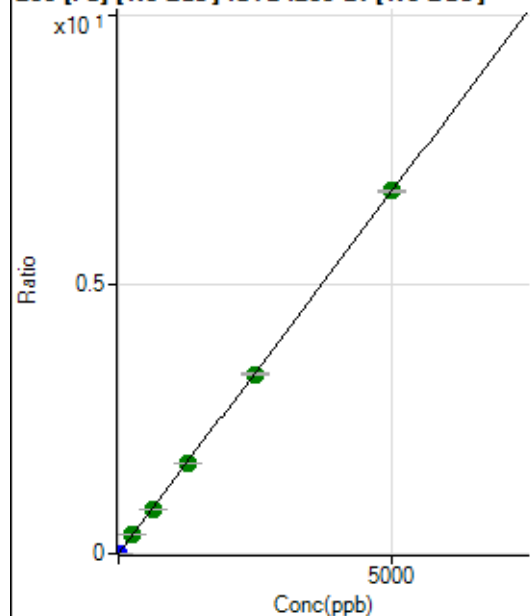
$$DL = 0.01174$$

$$BEC = 0.0981$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	255.56	0.0000	P	7.2
2	☐	0.100	0.319	4430.43	0.0005	P	3.1
3	☐	1.000	0.888	12023.97	0.0012	P	1.2
4	☐	250.000	255.995	3361476.23	0.3442	A	1.3
5	☐	625.000	621.094	8105171.19	0.8350	A	0.9
6	☐	1250.000	1244.341	15618797.11	1.6728	A	0.5
7	☐	2500.000	2481.285	31014912.03	3.3357	A	0.5
8	☐	5000.000	5010.961	60744629.60	6.7364	A	0.5
9	☐			18420.13	0.0024	P	1.9

$$y = 0.0013 * x + 2.6236E-005$$

$$R = 1.0000$$

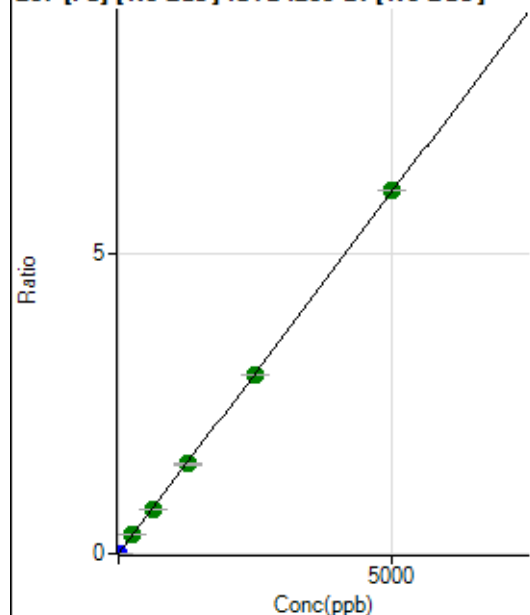
$$DL = 0.004189$$

$$BEC = 0.01952$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	211.11	0.0000	P	23.8
2	☐	0.100	0.318	3945.09	0.0004	P	1.4
3	☐	1.000	0.893	10817.47	0.0011	P	1.8
4	☐	250.000	255.382	3007919.72	0.3080	A	0.9
5	☐	625.000	616.242	7212953.87	0.7431	A	0.7
6	☐	1250.000	1239.223	13952568.25	1.4942	A	1.2
7	☐	2500.000	2465.094	27635352.24	2.9724	A	0.2
8	☐	5000.000	5020.973	54592226.68	6.0542	A	0.1
9	☐			16443.52	0.0022	P	2.3

$$y = 0.0012 * x + 2.1694E-005$$

$$R = 1.0000$$

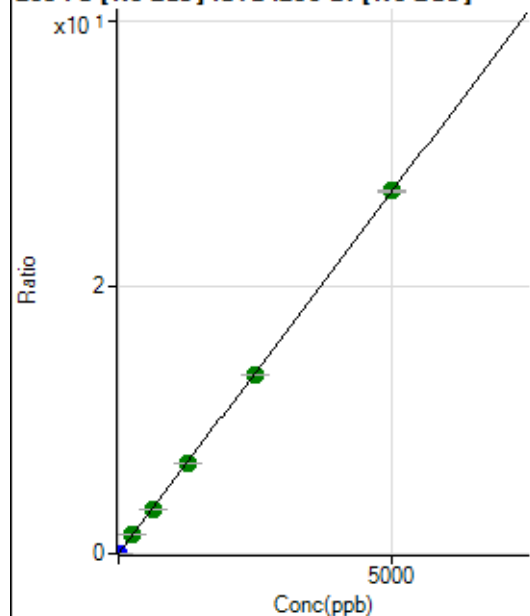
$$DL = 0.01286$$

$$BEC = 0.01799$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	933.36	0.0001	P	7.6
2	☒	0.100					
3	☐	1.000	0.895	48812.79	0.0050	P	1.1
4	☐	250.000	255.625	13557751.14	1.3881	A	0.8
5	☐	625.000	618.428	32595818.50	3.3580	A	0.6
6	☐	1250.000	1244.548	63096607.55	6.7576	A	0.7
7	☐	2500.000	2470.218	124702078.25	13.4127	A	0.3
8	☐	5000.000	5016.794	245626749.94	27.2399	A	0.5
9	☐			73981.06	0.0097	P	2.0

$$y = 0.0054 * x + 9.5829E-005$$

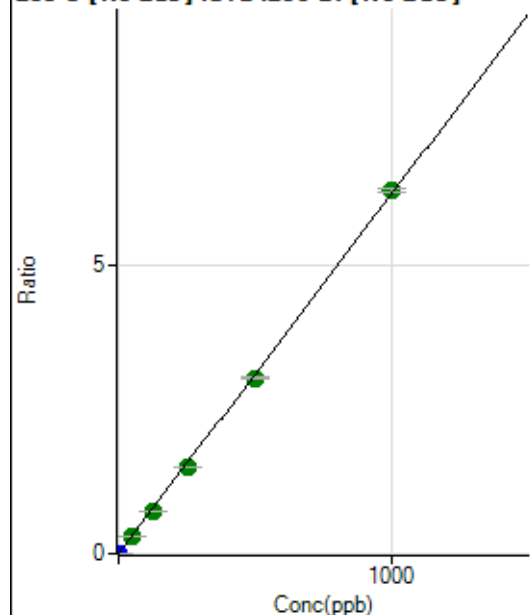
$$R = 1.0000$$

$$DL = 0.004022$$

$$BEC = 0.01765$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	77.78	0.0000	P	34.4
2	☐	0.100	0.083	5120.55	0.0005	P	1.3
3	☐	1.000	0.860	52936.15	0.0054	P	1.3
4	☐	50.000	48.388	2948501.74	0.3019	A	0.4
5	☐	125.000	118.414	7170321.69	0.7387	A	1.6
6	☐	250.000	240.905	14030262.64	1.5028	A	1.1
7	☐	500.000	488.864	28351920.08	3.0496	A	0.8
8	☐	1000.000	1008.746	56743005.44	6.2927	A	1.1
9	☐			4509.21	0.0006	P	2.0

$$y = 0.0062 * x + 7.9825E-006$$

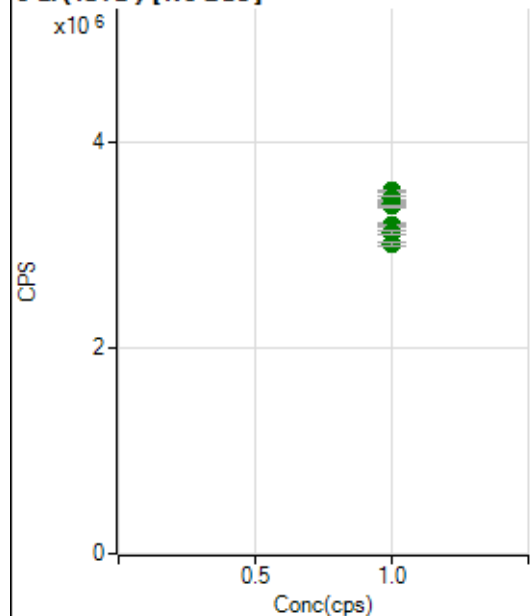
$$R = 0.9999$$

$$DL = 0.001319$$

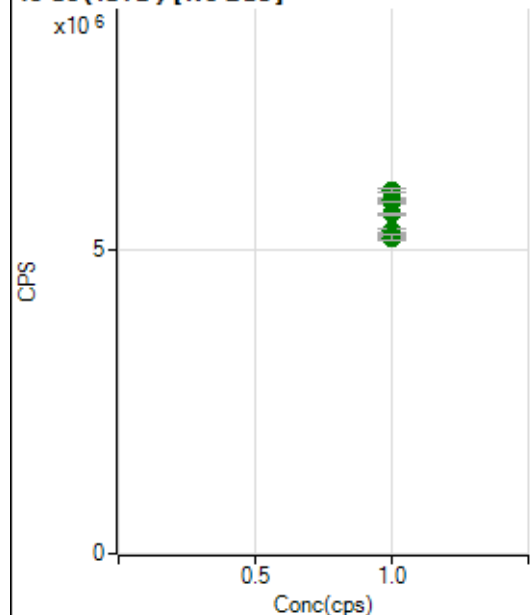
$$BEC = 0.00128$$

Weight: <None>

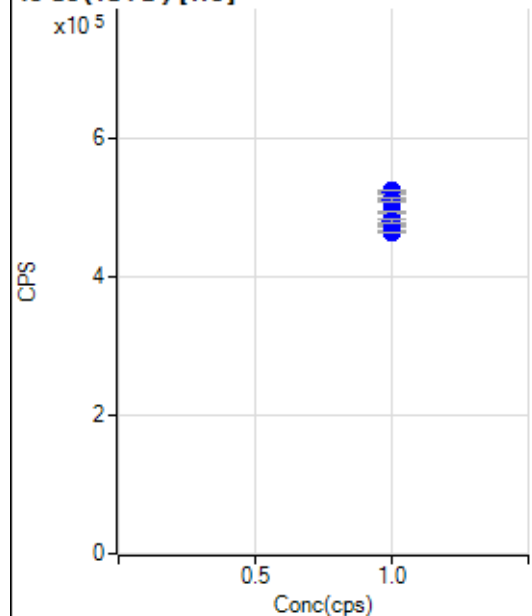
Min Conc: 0

6 Li (ISTD) [No Gas]

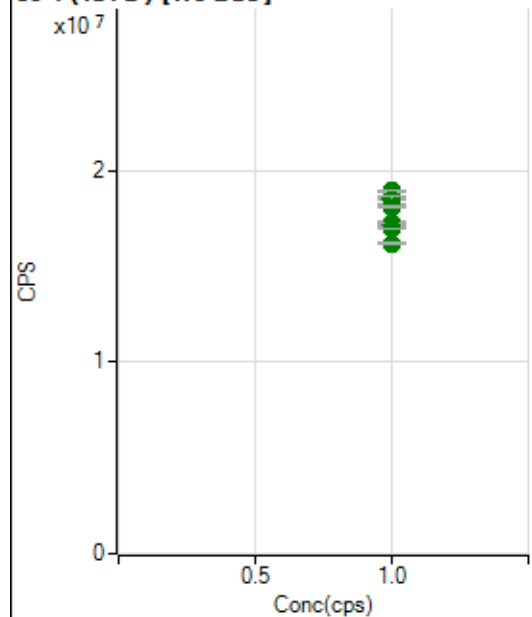
	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	1.000		3421826.55		A	1.0
2	☐	1.000		3415351.79		A	1.3
3	☐	1.000		3532059.36		A	0.9
4	☐	1.000		3458057.69		A	1.9
5	☐	1.000		3379352.73		A	0.4
6	☐	1.000		3205057.35		A	1.0
7	☐	1.000		3185057.87		A	0.5
8	☐	1.000		3125713.01		A	1.0
9	☐	1.000		3009591.17		A	1.0

45 Sc (ISTD) [No Gas]

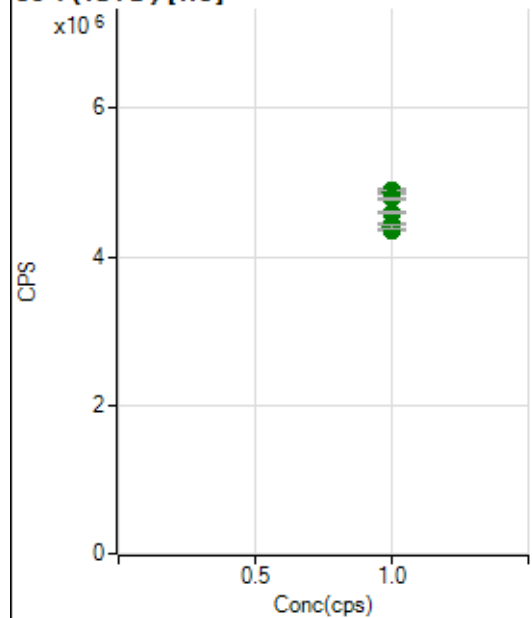
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	1.000		5790552.06		A	1.1
2	☐	1.000		5816991.79		A	1.4
3	☐	1.000		5967530.05		A	1.0
4	☐	1.000		5786810.33		A	0.4
5	☐	1.000		5589946.38		A	0.7
6	☐	1.000		5323806.45		A	1.1
7	☐	1.000		5214324.40		A	0.7
8	☐	1.000		5183979.33		A	1.2
9	☐	1.000		5202987.04		A	1.4

45 Sc (ISTD) [He]

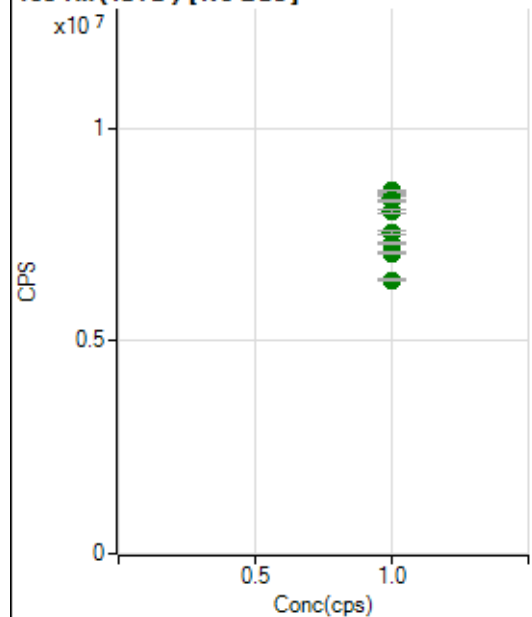
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	1.000		510742.80		P	0.3
2	☐	1.000		525271.51		P	0.6
3	☐	1.000		523182.22		P	1.0
4	☐	1.000		513558.54		P	1.1
5	☐	1.000		495253.07		P	0.5
6	☐	1.000		474353.77		P	0.9
7	☐	1.000		467649.75		P	0.1
8	☐	1.000		465225.85		P	0.2
9	☐	1.000		481099.91		P	1.1

89 Y (ISTD) [No Gas]

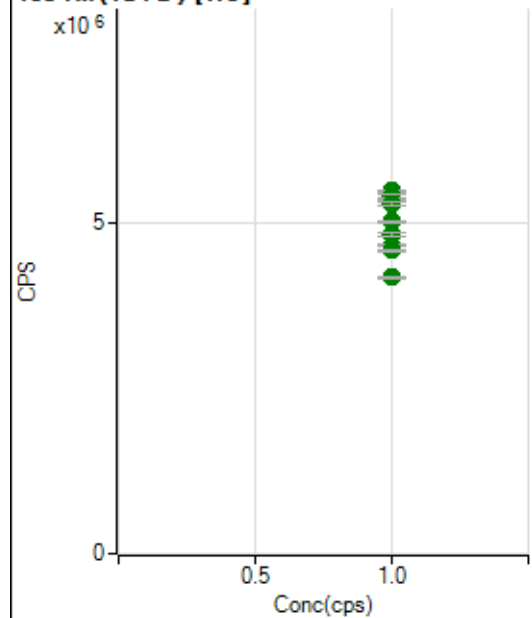
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	1.000		18592164.58		A	0.9
2	☐	1.000		18519734.86		A	1.1
3	☐	1.000		18924627.50		A	0.4
4	☐	1.000		18460444.31		A	1.9
5	☐	1.000		18086498.34		A	0.9
6	☐	1.000		17250656.69		A	1.2
7	☐	1.000		17154338.91		A	0.8
8	☐	1.000		16949884.88		A	0.2
9	☐	1.000		16192222.26		A	0.8

89 Y (ISTD) [He]

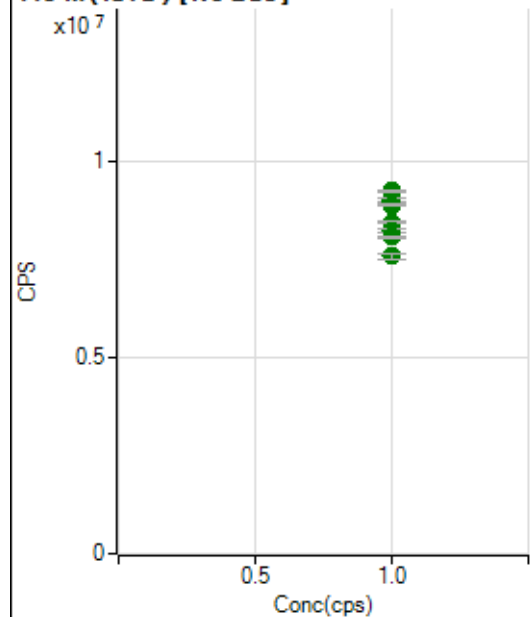
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	1.000		4790793.68		A	0.2
2	☐	1.000		4889697.91		A	0.9
3	☐	1.000		4868499.79		A	0.8
4	☐	1.000		4783854.48		A	0.2
5	☐	1.000		4594577.36		A	0.3
6	☐	1.000		4435154.59		A	0.6
7	☐	1.000		4360708.86		A	0.7
8	☐	1.000		4383433.86		A	0.2
9	☐	1.000		4412777.47		A	1.2

103 Rh (ISTD) [No Gas]

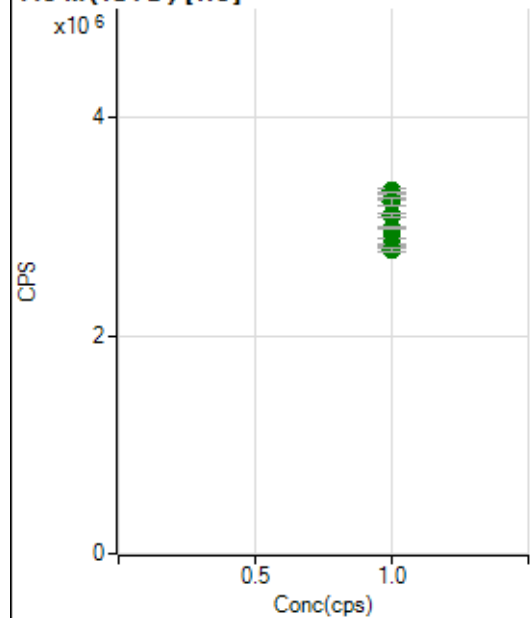
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	1.000		8340331.33		A	1.5
2	☐	1.000		8374626.06		A	1.7
3	☐	1.000		8531917.03		A	0.6
4	☐	1.000		8309604.32		A	0.8
5	☐	1.000		8052640.23		A	1.1
6	☐	1.000		7544513.57		A	1.6
7	☐	1.000		7296064.75		A	0.6
8	☐	1.000		7065511.84		A	0.5
9	☐	1.000		6443857.27		A	0.4

103 Rh (ISTD) [He]

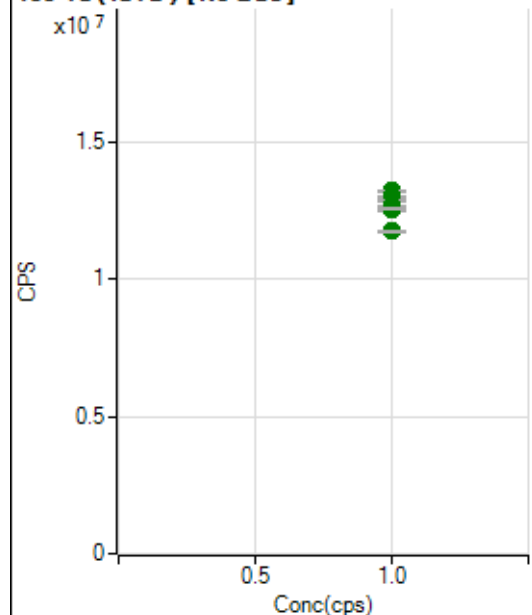
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	1.000		5363570.76		A	0.3
2	☐	1.000		5496819.15		A	0.2
3	☐	1.000		5413650.06		A	0.8
4	☐	1.000		5301204.16		A	0.7
5	☐	1.000		5032052.11		A	0.8
6	☐	1.000		4835378.50		A	0.9
7	☐	1.000		4671941.00		A	0.4
8	☐	1.000		4592070.31		A	0.6
9	☐	1.000		4185646.22		A	1.1

115 In (ISTD) [No Gas]

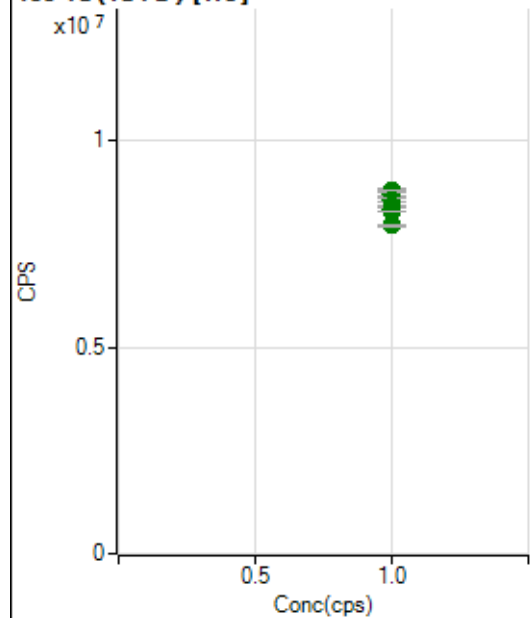
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	1.000		8905415.40		A	0.8
2	☐	1.000		8992995.03		A	0.8
3	☐	1.000		9230220.09		A	0.2
4	☐	1.000		8967386.11		A	1.9
5	☐	1.000		8865711.51		A	0.5
6	☐	1.000		8438821.27		A	0.7
7	☐	1.000		8230259.18		A	1.5
8	☐	1.000		8050324.53		A	0.2
9	☐	1.000		7562849.03		A	1.7

115 In (ISTD) [He]

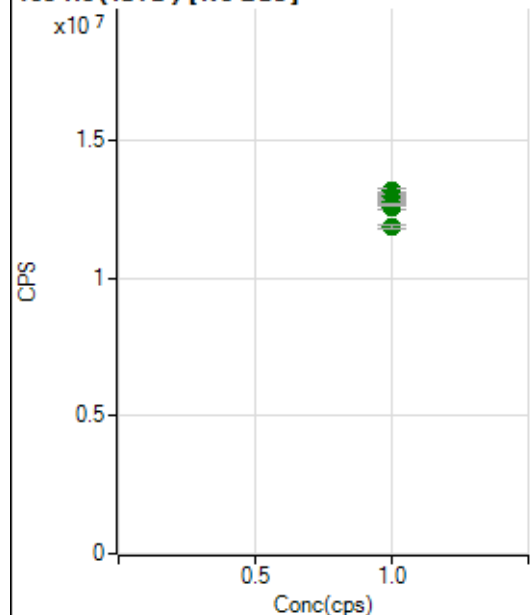
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	1.000		3261553.25		A	0.6
2	☐	1.000		3330435.77		A	1.0
3	☐	1.000		3309592.90		A	0.7
4	☐	1.000		3228623.83		A	1.9
5	☐	1.000		3102627.40		A	1.3
6	☐	1.000		2984453.93		A	0.6
7	☐	1.000		2894180.44		A	0.3
8	☐	1.000		2834751.63		A	1.0
9	☐	1.000		2794290.30		A	1.2

159 Tb (ISTD) [No Gas]

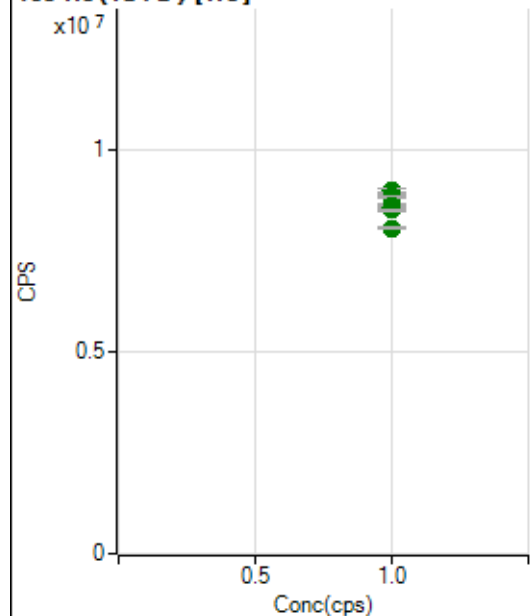
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	1.000		12891887.45		A	1.0
2	☐	1.000		12881334.81		A	0.5
3	☐	1.000		13197839.94		A	0.8
4	☐	1.000		12999460.92		A	0.2
5	☐	1.000		12841521.20		A	0.9
6	☐	1.000		12634648.84		A	0.6
7	☐	1.000		12520134.12		A	1.4
8	☐	1.000		12545332.87		A	0.4
9	☐	1.000		11725566.49		A	0.4

159 Tb (ISTD) [He]

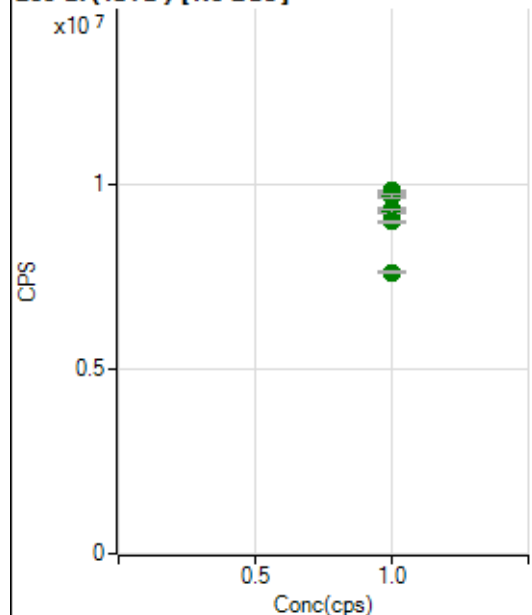
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	1.000		8712377.58		A	1.1
2	☐	1.000		8732587.99		A	1.4
3	☐	1.000		8785382.65		A	1.1
4	☐	1.000		8775042.65		A	0.3
5	☐	1.000		8556791.40		A	1.0
6	☐	1.000		8410844.11		A	0.9
7	☐	1.000		8329558.48		A	1.1
8	☐	1.000		8294739.53		A	0.3
9	☐	1.000		7941212.59		A	0.4

¹⁶⁵Ho (ISTD) [No Gas]

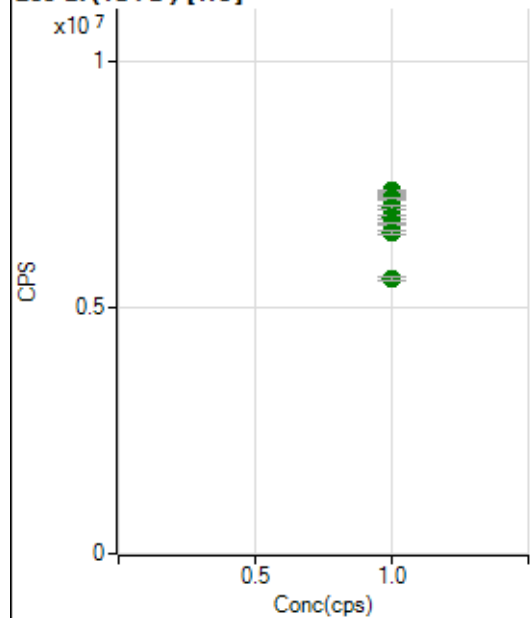
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	1.000		12998500.64		A	0.4
2	☐	1.000		12894784.80		A	0.2
3	☐	1.000		13162563.00		A	1.1
4	☐	1.000		12962433.14		A	1.8
5	☐	1.000		12809211.20		A	0.5
6	☐	1.000		12552292.73		A	1.1
7	☐	1.000		12740971.89		A	1.4
8	☐	1.000		12632547.87		A	0.6
9	☐	1.000		11869983.57		A	1.2

¹⁶⁵Ho (ISTD) [He]

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	1.000		8855201.74		A	0.3
2	☐	1.000		8903113.48		A	0.4
3	☐	1.000		8971301.88		A	1.8
4	☐	1.000		8826874.24		A	0.5
5	☐	1.000		8614213.69		A	0.9
6	☐	1.000		8540840.29		A	1.2
7	☐	1.000		8593816.33		A	0.2
8	☐	1.000		8495768.97		A	0.5
9	☐	1.000		8051893.28		A	0.8

209 Bi (ISTD) [No Gas]

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	1.000		9743907.63		A	0.9
2	☐	1.000		9733647.43		A	0.6
3	☐	1.000		9850423.60		A	0.4
4	☐	1.000		9767924.78		A	1.1
5	☐	1.000		9707056.59		A	0.9
6	☐	1.000		9336804.10		A	1.3
7	☐	1.000		9297601.25		A	1.4
8	☐	1.000		9017305.28		A	0.7
9	☐	1.000		7641548.91		A	0.2

209 Bi (ISTD) [He]

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	1.000		7242173.50		A	1.0
2	☐	1.000		7311796.63		A	0.1
3	☐	1.000		7371423.09		A	0.6
4	☐	1.000		7211572.95		A	0.4
5	☐	1.000		7017327.67		A	1.0
6	☐	1.000		6829416.01		A	1.2
7	☐	1.000		6715692.33		A	0.5
8	☐	1.000		6513698.03		A	1.1
9	☐	1.000		5590672.00		A	0.9

US EPA Tune Check Report

Operator Name Jaswal
Acq/Data Batch D:\Agilent\ICPMH\1\DATA\IP7031922-MS.b
Acq. Date-Time 2022-03-19 12:26:18
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		15001	150008.93			0.269	5.000
24		112321	1123212.94			0.527	5.000
25		15045	150448.63			0.315	5.000
26		17079	170793.90			0.356	5.000
59		24948	249484.57			0.637	5.000
113		14460	144603.94			0.862	5.000
115		48102	481022.69			0.963	5.000
206		25639	256390.69			0.564	5.000
207		21688	216884.44			0.588	5.000
208		52850	528504.40			0.545	5.000
220		0	1.20			95.924	

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

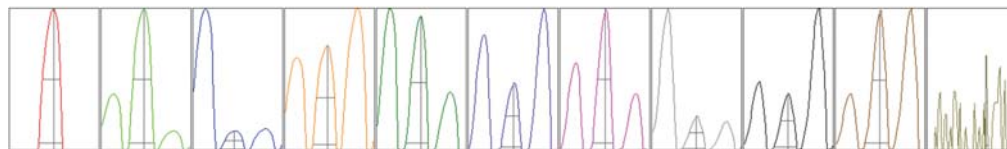
Mass	Rep#1 Count	Rep#2 Count	Rep#3 Count	Rep#4 Count	Rep#5 Count
9	15034	14989	15052	14966	14964
24	112270	113278	112000	112354	111705
25	15083	15105	15027	14992	15017
26	17173	17109	17046	17037	17031
59	25055	25118	24813	24750	25006
113	14521	14651	14397	14377	14355
115	48389	48616	48004	48110	47393
206	25823	25740	25469	25625	25538
207	21878	21745	21565	21588	21665
208	53055	53197	52782	52764	52454

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	26273.53	9.00	8.90 - 9.10	
24	194314.48	23.95	23.90 - 24.10	
25	25429.37	24.90	24.90 - 25.10	
26	29014.22	25.95	25.90 - 26.10	
59	49022.37	59.00	58.90 - 59.10	
113	32835.02	113.05	112.90 - 113.10	
115	110360.37	115.05	114.90 - 115.10	
206	55127.63	206.00	205.90 - 206.10	
207	46576.83	207.00	206.90 - 207.10	
208	115308.42	208.00	207.90 - 208.10	
220	0.40	220.50	-	

Mass	W-50%	W-5%	W-5% (Required)	W-5% (Flag)
9	0.60	0.786	0.900	
24	0.62	0.830	0.900	
25	0.62	0.789	0.900	
26	0.62	0.788	0.900	
59	0.53	0.753	0.900	
113	0.45	0.686	0.900	
115	0.45	0.698	0.900	
206	0.46	0.764	0.900	
207	0.46	0.773	0.900	
208	0.46	0.796	0.900	
220	0.05	0.095		

Integration Time [sec] 0.1

Acquisition Time [sec] 256.770000000002

Y Axis Linear

Tune Parameters

Plasma Parameters

Plasma Mode --- Nebulizer Gas 0.79 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	8.5 V	Deflect	13.6 V
Extract 2	-115.0 V	Cell Entrance	-30 V	Plate Bias	-35 V
Omega Bias	-65 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	190 V		

QP Parameters

Mass Gain	122	Axis Gain	1.0006	QP Bias	-3.0 V
Mass Offset	124	Axis Offset	-0.07		

Hardware Settings

Torch

Torch H	-0.9 mm	Torch V	1.0 mm
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EM

Discriminator	3.2 mV	Analog HV	2164 V	Pulse HV	1466 V
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[He]

Sensitivity

Mass	Conc. [ug/l]	Count	CPS	Resp (Required) [cps/ug/l]	Resp (Flag)	RSD%	RSD% (Required)
59		8757	87568.86			0.867	
89		52989	529886.50			1.075	
205		70647	706469.58			0.602	

Mass	RSD% (Flag)
59	
89	
205	

Mass	Rep#1 Count	Rep#2 Count	Rep#3 Count	Rep#4 Count	Rep#5 Count
59	8843	8747	8824	8667	8703
89	53639	53233	53294	52411	52366
205	70588	70282	71164	70998	70203

Integration Time [sec] 0.1

Tune Parameters

Plasma Parameters

Plasma Mode	---	Nebulizer Gas	0.79 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	8.7 V	Deflect	2.2 V
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US EPA Tune Check Report

Extract 2	-110.0 V	Cell Entrance	-40 V	Plate Bias	-60 V
Omega Bias	-60 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	122	Axis Gain	1.0006	QP Bias	-13.0 V
Mass Offset	124	Axis Offset	-0.07		

Hardware Settings

Torch

Torch H	-0.9 mm	Torch V	1.0 mm
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EM

Discriminator	3.2 mV	Analog HV	2164 V	Pulse HV	1466 V
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