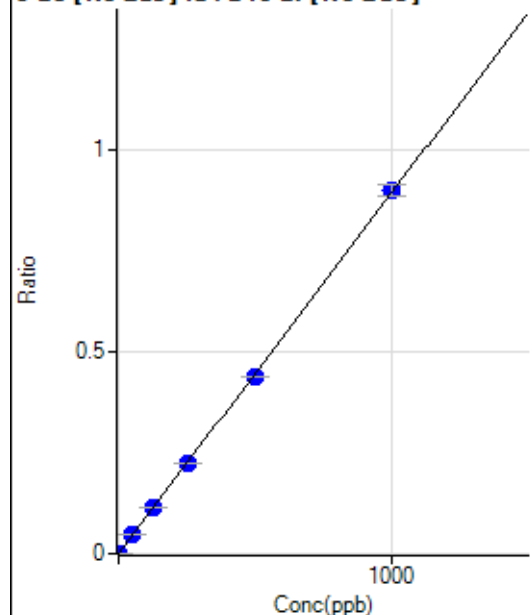


Batch Folder: D:\ICP-MS Data\P7111319-MS.b\
Analysis File: P7111319-MS.batch.bin
DA Date-Time: 2019-11-14 16:36:01
Calibration Title:
Calibration Method: External Calibration
VIS Interpolation Fit:

Level	Standard Data File	Sample Name	Acq. Date-Time
1	003CALB.d	S00	2019-11-13 14:43:48
2	004CAL.S.d	S01	2019-11-13 14:47:21
3	005CAL.S.d	S02	2019-11-13 14:51:34
4	006CAL.S.d	S03	2019-11-13 14:55:29
5	007CAL.S.d	S04	2019-11-13 14:59:36
6	008CAL.S.d	S05	2019-11-13 15:03:24
7	009CAL.S.d	S06	2019-11-13 15:07:11
8	010CAL.S.d	S07	2019-11-13 15:10:55
9	011CAL.S.d	S08	2019-11-13 15:14:38

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



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	57.41	0.0000	P	31.1
2	☐	0.100	0.095	316.68	0.0001	P	14.4
3	☐	1.000	1.054	3007.79	0.0010	P	0.5
4	☐	50.000	51.694	141471.47	0.0462	P	1.4
5	☐	125.000	126.893	336040.60	0.1134	P	0.3
6	☐	250.000	248.897	642325.64	0.2224	P	0.1
7	☐	500.000	488.423	1218111.54	0.4364	P	0.2
8	☐	1000.000	1005.743	2509548.58	0.8985	P	3.2
9	☐			368.53	0.0001	P	8.4

$$y = 8.9338\text{E-}004 * x + 1.8315\text{E-}005$$

$$R = 0.9999$$

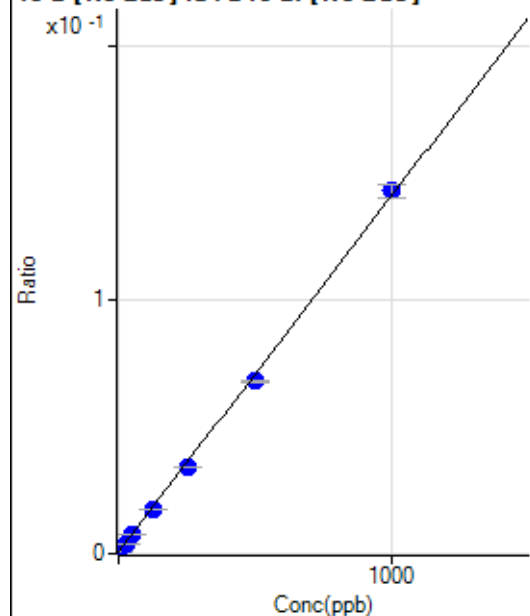
$$DL = 0.01913$$

$$BEC = 0.0205$$

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	2261.36	0.0007	P	10.2
2	☐	2.500	1.267	2750.38	0.0009	P	3.4
3	☐	25.000	22.700	12227.64	0.0039	P	1.2
4	☐	50.000	47.940	22770.66	0.0074	P	1.4
5	☐	125.000	120.736	52258.30	0.0176	P	1.0
6	☐	250.000	238.346	98511.67	0.0341	P	1.7
7	☐	500.000	478.577	189122.14	0.0678	P	2.0
8	☐	1000.000	1014.322	398751.00	0.1428	P	3.8
9	☐			5495.67	0.0020	P	3.2

$$y = 1.4006\text{E-}004 * x + 7.2153\text{E-}004$$

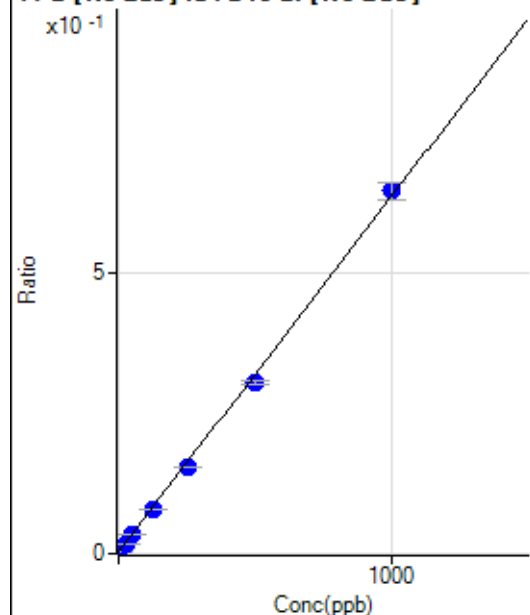
$$R = 0.9996$$

$$DL = 1.569$$

$$BEC = 5.151$$

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	10509.59	0.0034	P	2.5
2	☐	2.500	1.282	12739.19	0.0042	P	4.9
3	☐	25.000	23.083	56292.16	0.0180	P	2.0
4	☐	50.000	48.095	103455.70	0.0338	P	1.1
5	☐	125.000	118.939	232988.02	0.0786	P	1.1
6	☐	250.000	239.143	446749.21	0.1547	P	1.3
7	☐	500.000	476.526	851026.42	0.3049	P	1.5
8	☐	1000.000	1015.355	1803204.16	0.6458	P	4.5
9	☐			26437.81	0.0097	P	4.4

$$y = 6.3275E-004 * x + 0.0034$$

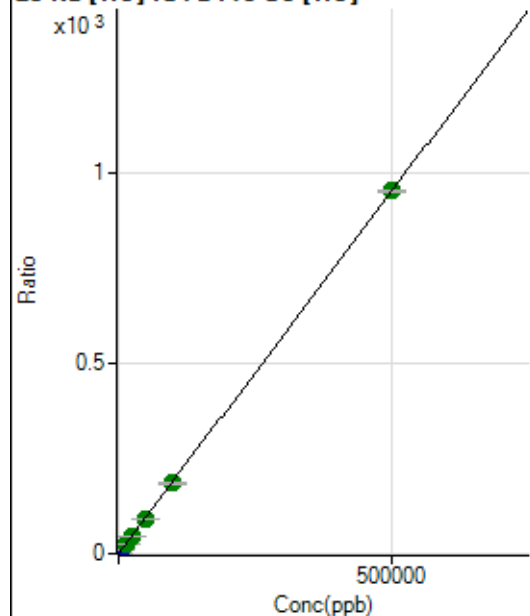
$$R = 0.9996$$

$$DL = 0.4011$$

$$BEC = 5.299$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	10871.00	0.0352	P	3.5
2	☐	50.000	48.433	39628.21	0.1274	P	1.4
3	☐	500.000	484.123	300623.13	0.9567	P	0.7
4	☐	5000.000	4884.614	2657037.87	9.3329	P	0.8
5	☐	12500.000	12225.539	6395704.96	23.3061	A	0.4
6	☐	25000.000	24393.585	12368047.67	46.4676	A	0.1
7	☐	50000.000	48112.948	24300445.68	91.6166	A	0.3
8	☐	100000.00	96967.806	50211312.93	184.6101	A	0.3
9	☐	500000.00	500833.49	269892947.7	953.3549	A	0.3

$$y = 0.0019 * x + 0.0352$$

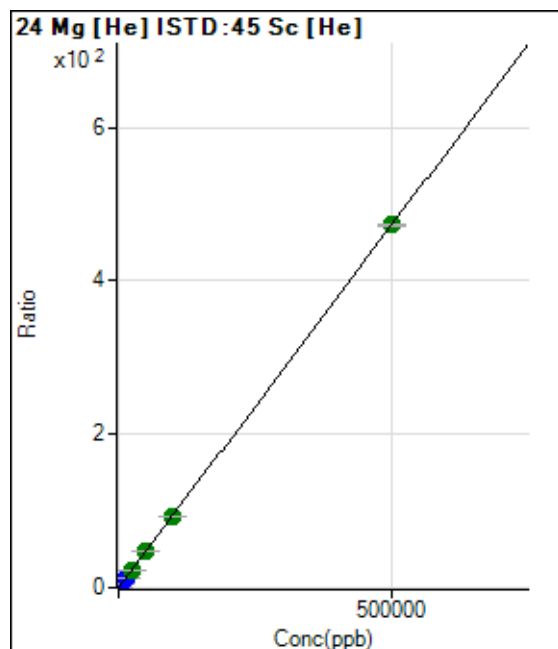
$$R = 1.0000$$

$$DL = 1.945$$

$$BEC = 18.49$$

Weight: <None>

Min Conc: 0



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	858.39	0.0028	P	16.1
2	☐	50.000	51.425	15981.34	0.0514	P	2.1
3	☐	500.000	516.230	154154.49	0.4906	P	0.4
4	☐	5000.000	5076.282	1366417.99	4.7996	P	1.0
5	☐	12500.000	12690.361	3291483.32	11.9944	P	0.1
6	☐	25000.000	25140.428	6323893.80	23.7590	A	0.3
7	☐	50000.000	49568.050	12424588.64	46.8416	A	0.4
8	☐	100000.00	97622.199	25090498.65	92.2499	A	0.4
9	☐	500000.00	500506.19	133889798.8	472.9513	A	0.2

$$y = 9.4494\text{E-}004 * x + 0.0028$$

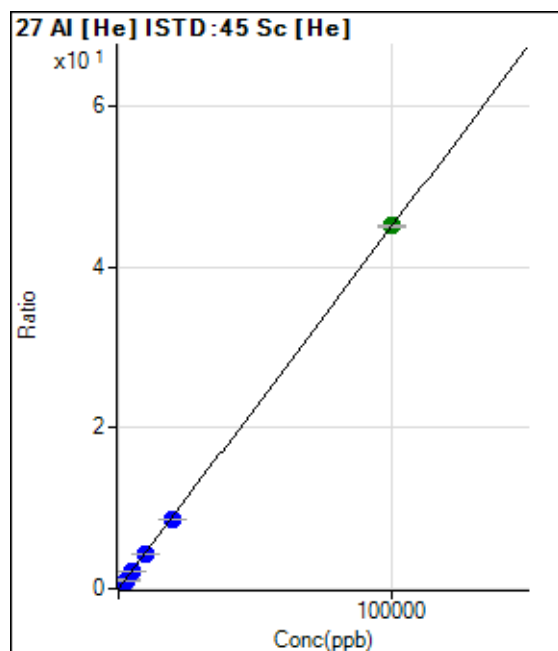
$$R = 1.0000$$

$$DL = 1.422$$

$$BEC = 2.946$$

Weight: <None>

Min Conc: 0



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	69.45	0.0002	P	47.3
2	☐	2.000	2.420	408.36	0.0013	P	12.0
3	☐	20.000	19.324	2800.37	0.0089	P	1.5
4	☐	1000.000	967.435	123888.23	0.4352	P	0.5
5	☐	2500.000	2388.814	294769.58	1.0742	P	0.4
6	☐	5000.000	4746.876	568085.44	2.1343	P	0.7
7	☐	10000.000	9361.859	1116424.53	4.2091	P	0.3
8	☐	20000.000	19107.142	2336439.03	8.5904	P	0.2
9	☐	100000.00	100258.14	12760330.75	45.0740	A	0.4

$$y = 4.4958\text{E-}004 * x + 2.2418\text{E-}004$$

$$R = 0.9999$$

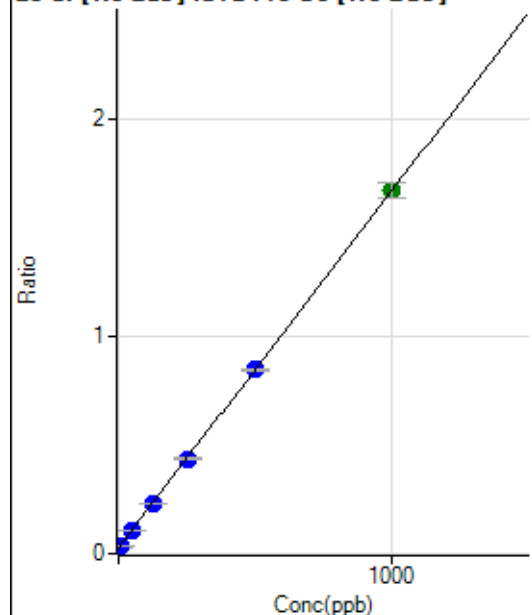
$$DL = 0.7077$$

$$BEC = 0.4987$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	183334.29	0.0276	P	0.8
2	☐	1.000	1.150	191579.04	0.0294	P	0.3
3	☐	10.000	6.869	259917.92	0.0388	P	0.2
4	☐	50.000	47.750	675272.79	0.1058	P	1.6
5	☐	125.000	123.776	1375842.32	0.2303	P	2.3
6	☐	250.000	250.144	2555308.11	0.4372	P	1.0
7	☐	500.000	498.824	4787629.88	0.8444	P	0.5
8	☐	1000.000	1000.849	9595533.46	1.6665	A	4.3
9	☐			833181.38	0.1441	P	0.4

$$y = 0.0016 * x + 0.0276$$

$$R = 1.0000$$

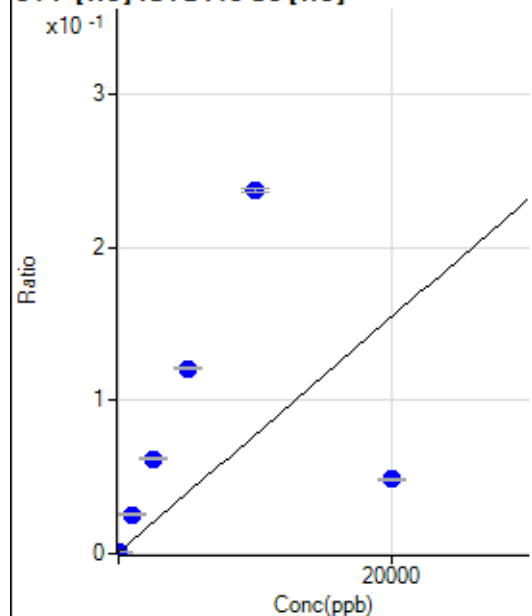
$$DL = 0.3895$$

$$BEC = 16.83$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	-62.032	127.78	0.0004	P	36.7
2	☐	0.000	-43.778	172.23	0.0006	P	10.5
3	☐	0.000	105.810	536.15	0.0017	P	10.6
4	☐	1000.000	3201.261	7271.50	0.0255	P	3.7
5	☐	2500.000	7895.343	16932.41	0.0617	P	2.0
6	☐	5000.000	15618.168	32258.11	0.1212	P	1.1
7	☐	10000.000	30694.544	62947.68	0.2373	P	0.9
8	☐	20000.000	6213.705	13259.15	0.0487	P	1.9
9	☐			205.56	0.0007	P	21.7

$$y = 7.7019E-006 * x + 8.9098E-004$$

$$R = 0.4314$$

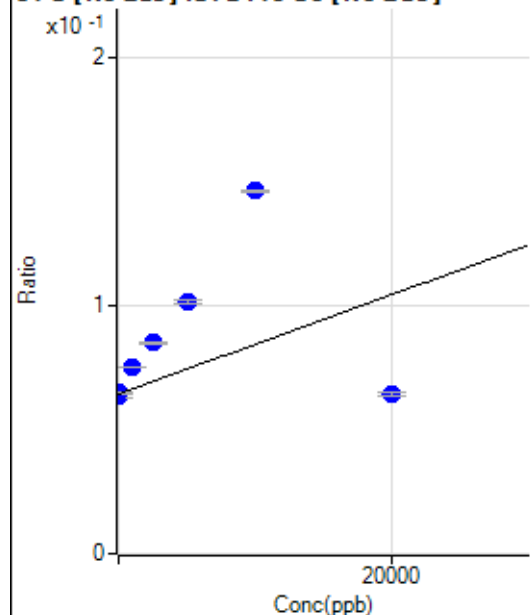
$$DL = 50.83$$

$$BEC = 115.7$$

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	-429.921	422659.80	0.0635	P	1.3
2	☐	0.000	226.436	421962.45	0.0649	P	1.2
3	☐	0.000	203.485	434052.46	0.0648	P	1.0
4	☐	1000.000	5452.857	481035.73	0.0753	P	0.4
5	☐	2500.000	10309.817	508316.85	0.0851	P	0.9
6	☐	5000.000	18494.007	592978.50	0.1015	P	1.1
7	☐	10000.000	40863.547	829282.39	0.1463	P	0.3
8	☐	20000.000	-4.145	370889.93	0.0644	P	3.2
9	☐			331888.79	0.0574	P	2.4

$$y = 2.0032\text{E-}006 * x + 0.0644$$

$$R = 0.2413$$

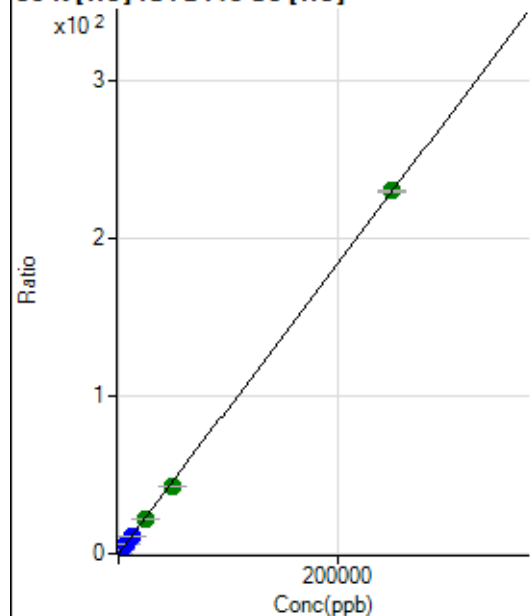
$$DL = 1137$$

$$BEC = 3.215\text{E}+04$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	24484.85	0.0793	P	0.3
2	☐	50.000	45.592	37662.61	0.1211	P	0.9
3	☐	500.000	491.692	166445.90	0.5297	P	0.8
4	☐	2500.000	2438.990	658629.36	2.3135	P	0.4
5	☐	6250.000	6051.773	1543018.20	5.6228	P	0.3
6	☐	12500.000	11985.664	2943247.29	11.0583	P	0.2
7	☐	25000.000	23564.035	5746275.26	21.6643	A	0.3
8	☐	50000.000	46516.129	11610690.36	42.6887	A	0.2
9	☐	250000.00	250871.67	65079875.76	229.8810	A	0.7

$$y = 9.1601\text{E-}004 * x + 0.0793$$

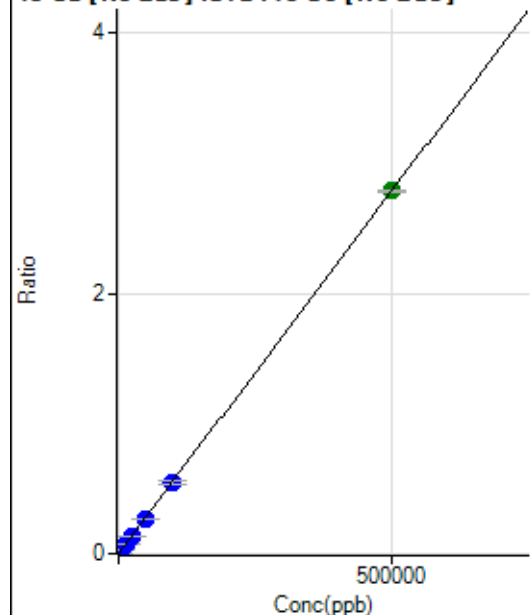
$$R = 0.9999$$

$$DL = 0.7172$$

$$BEC = 86.58$$

Weight: <None>

Min Conc: 0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	272.24	0.0000	P	33.7
2	☐	50.000	45.951	1930.76	0.0003	P	5.2
3	☐	500.000	475.116	17994.84	0.0027	P	1.8
4	☐	5000.000	4891.269	174208.46	0.0273	P	0.7
5	☐	12500.000	12215.818	406771.62	0.0681	P	0.8
6	☐	25000.000	24108.646	784974.33	0.1343	P	0.5
7	☐	50000.000	48069.633	1518014.65	0.2677	P	0.6
8	☐	100000.00	98274.855	3151607.56	0.5473	P	4.1
9	☐	500000.00	500590.85	16121734.21	2.7878	A	0.7

$$y = 5.5690E-006 * x + 4.0911E-005$$

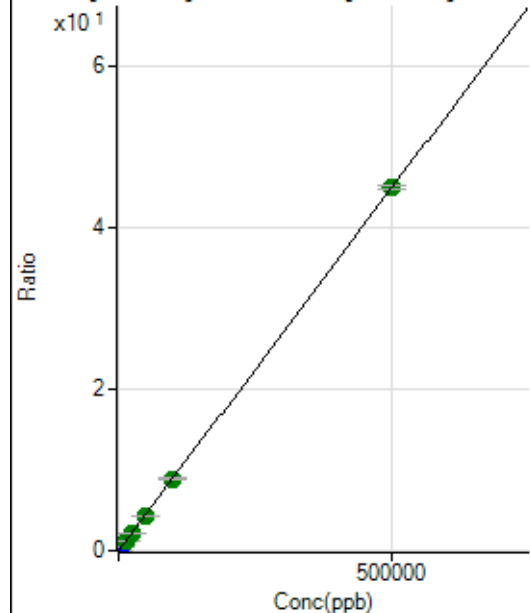
$$R = 1.0000$$

$$DL = 7.428$$

$$BEC = 7.346$$

Weight: <None>

Min Conc: 0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	12714.40	0.0019	P	0.5
2	☐	50.000	49.903	41626.39	0.0064	P	3.2
3	☐	500.000	484.353	304452.25	0.0455	P	1.3
4	☐	5000.000	4841.002	2791788.02	0.4372	P	0.3
5	☐	12500.000	12174.637	6553017.59	1.0966	A	0.3
6	☐	25000.000	24177.560	12717357.67	2.1758	A	0.3
7	☐	50000.000	48123.910	24544167.91	4.3290	A	0.5
8	☐	100000.00	99084.472	51312726.49	8.9111	A	3.9
9	☐	500000.00	500421.57	260221664.1	44.9972	A	1.0

$$y = 8.9915E-005 * x + 0.0019$$

$$R = 1.0000$$

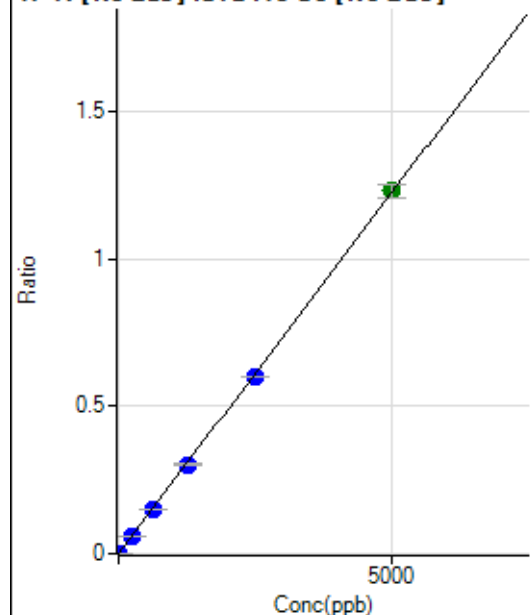
$$DL = 0.3181$$

$$BEC = 21.26$$

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	119.45	0.0000	P	9.8
2	☐	0.500	0.469	863.95	0.0001	P	18.3
3	☐	5.000	5.094	8483.29	0.0013	P	1.2
4	☐	250.000	248.701	389421.13	0.0610	P	0.6
5	☐	625.000	623.826	913940.55	0.1529	P	0.1
6	☐	1250.000	1237.386	1772966.49	0.3033	P	1.0
7	☐	2500.000	2448.089	3402573.86	0.6001	P	0.4
8	☐	5000.000	5029.321	7099729.93	1.2329	A	3.7
9	☐			1991.88	0.0003	P	8.0

$$y = 2.4513\text{E-}004 * x + 1.7948\text{E-}005$$

$$R = 0.9999$$

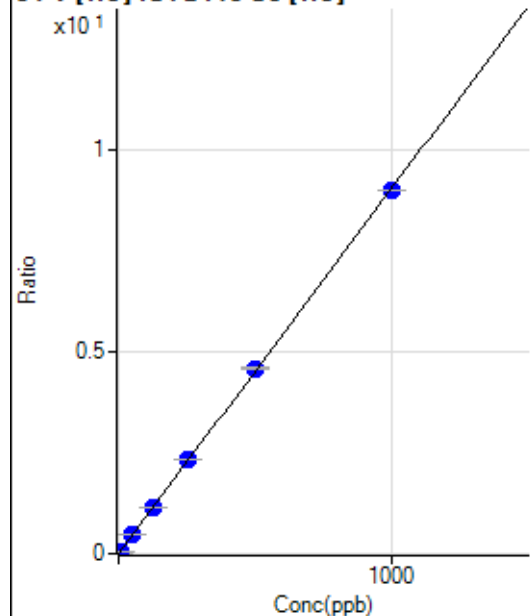
$$DL = 0.02157$$

$$BEC = 0.07322$$

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	14.44	0.0000	P	36.3
2	☐	0.500	0.533	1515.66	0.0049	P	4.9
3	☐	5.000	5.366	15271.41	0.0486	P	0.7
4	☐	50.000	51.288	132130.84	0.4641	P	0.7
5	☐	125.000	128.455	318960.32	1.1623	P	0.6
6	☐	250.000	255.880	616221.04	2.3153	P	0.2
7	☐	500.000	508.271	1219814.81	4.5989	P	0.3
8	☐	1000.000	993.896	2445941.18	8.9929	P	0.1
9	☐			995.60	0.0035	P	3.0

$$y = 0.0090 * x + 4.6905\text{E-}005$$

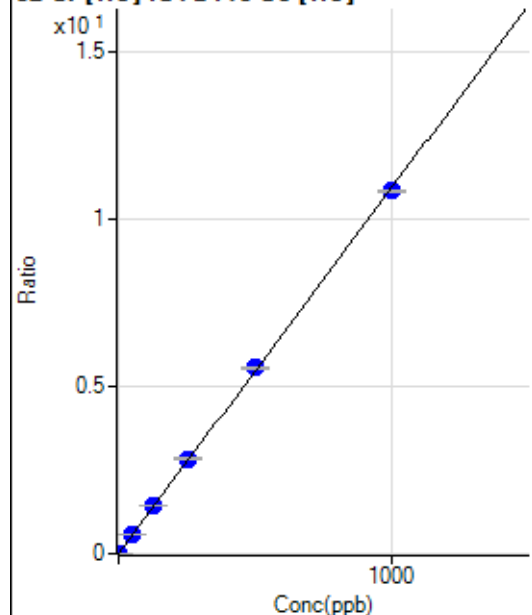
$$R = 0.9999$$

$$DL = 0.005646$$

$$BEC = 0.005184$$

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	574.47	0.0019	P	5.1
2	☐	0.200	0.189	1223.41	0.0039	P	1.9
3	☐	2.000	2.084	7752.15	0.0247	P	1.2
4	☐	50.000	51.810	161976.56	0.5689	P	0.8
5	☐	125.000	130.375	392108.38	1.4289	P	0.3
6	☐	250.000	259.892	757590.28	2.8465	P	0.3
7	☐	500.000	509.038	1478237.46	5.5734	P	0.6
8	☐	1000.000	992.245	2954392.21	10.8623	P	0.6
9	☐			125650.63	0.4439	P	0.6

$$y = 0.0109 * x + 0.0019$$

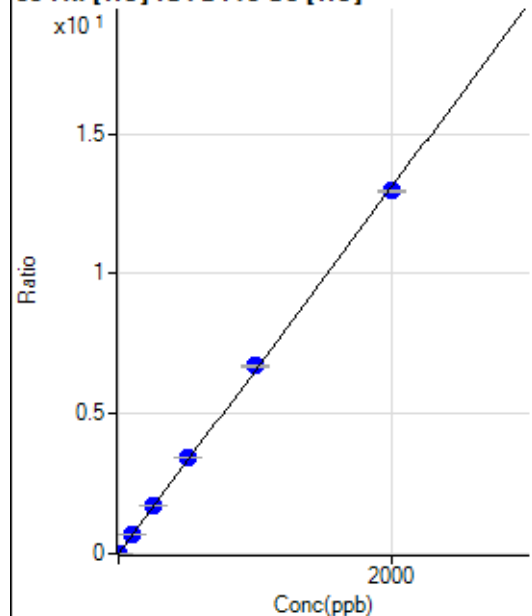
$$R = 0.9999$$

$$DL = 0.02612$$

$$BEC = 0.17$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	82.22	0.0003	P	23.3
2	☐	0.100	0.119	325.56	0.0010	P	14.3
3	☐	1.000	1.100	2344.67	0.0075	P	0.6
4	☐	100.000	103.702	193205.43	0.6786	P	0.7
5	☐	250.000	262.453	471215.62	1.7171	P	0.6
6	☐	500.000	524.484	913218.78	3.4313	P	0.5
7	☐	1000.000	1023.924	1776684.36	6.6984	P	0.3
8	☐	2000.000	1980.175	3523272.48	12.9539	P	0.4
9	☐			17857.69	0.0631	P	1.1

$$y = 0.0065 * x + 2.6668E-004$$

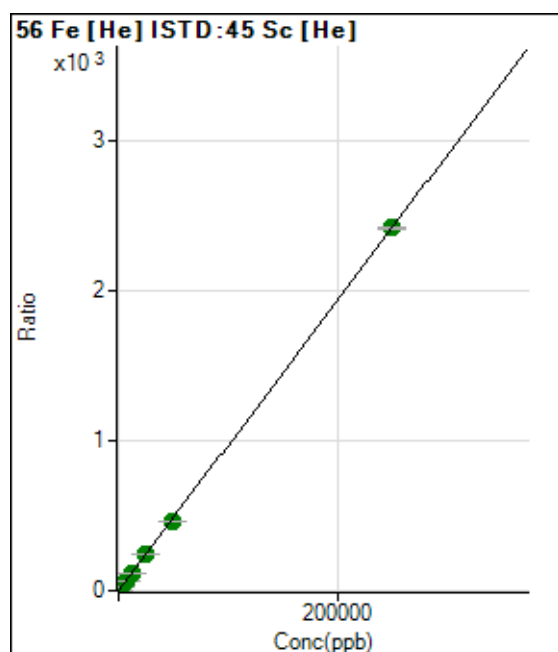
$$R = 0.9998$$

$$DL = 0.02847$$

$$BEC = 0.04077$$

Weight: <None>

Min Conc: 0



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	5302.96	0.0172	P	4.6
2	☐	5.000	4.942	20177.24	0.0649	P	1.2
3	☐	50.000	52.109	163364.99	0.5199	P	0.4
4	☐	2500.000	2481.709	6821018.56	23.9598	A	0.4
5	☐	6250.000	6225.156	16485677.22	60.0751	A	0.4
6	☐	12500.000	12526.624	32171200.26	120.8692	A	0.2
7	☐	25000.000	24644.083	63068825.02	237.7738	A	0.2
8	☐	50000.000	47853.081	125570810.2	461.6853	A	0.2
9	☐	250000.00	250464.44	684065970.8	2,416.401	A	0.4

$$y = 0.0096 * x + 0.0172$$

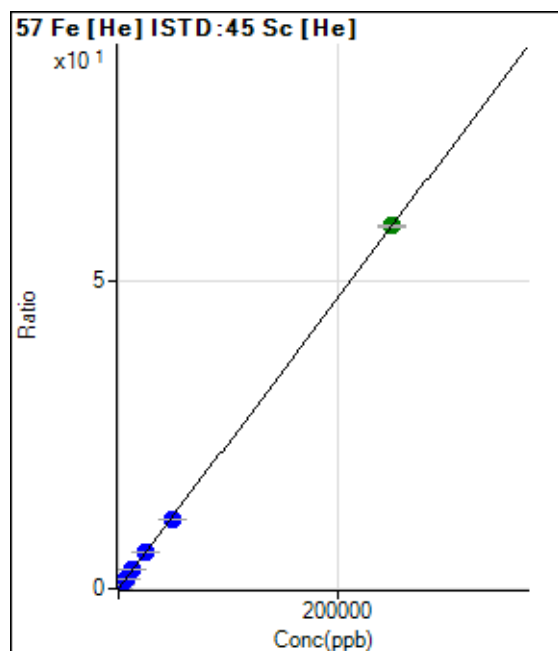
$$R = 1.0000$$

$$DL = 0.248$$

$$BEC = 1.781$$

Weight: <None>

Min Conc: 0



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	411.13	0.0013	P	15.9
2	☐	5.000	4.052	711.15	0.0023	P	5.3
3	☐	50.000	52.961	4341.48	0.0138	P	4.6
4	☐	2500.000	2520.975	169588.04	0.5957	P	0.7
5	☐	6250.000	6326.967	409699.25	1.4930	P	0.6
6	☐	12500.000	12667.827	795184.75	2.9879	P	0.7
7	☐	25000.000	24806.621	1551527.52	5.8497	P	0.5
8	☐	50000.000	47728.023	3060799.90	11.2535	P	0.2
9	☐	250000.00	250463.20	16716856.04	59.0498	A	0.3

$$y = 2.3576E-004 * x + 0.0013$$

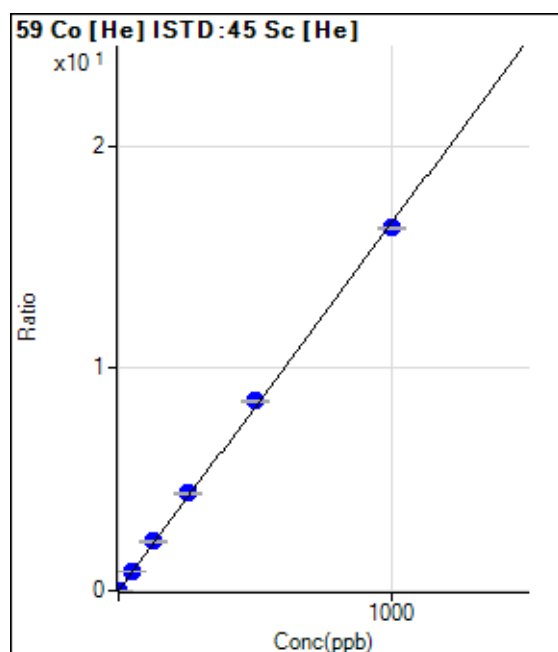
$$R = 1.0000$$

$$DL = 2.698$$

$$BEC = 5.646$$

Weight: <None>

Min Conc: 0



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	75.56	0.0002	P	27.6
2	☐	0.100	0.107	625.58	0.0020	P	8.4
3	☐	1.000	1.058	5572.26	0.0177	P	1.0
4	☐	50.000	53.406	251501.95	0.8834	P	0.4
5	☐	125.000	133.581	606262.38	2.2093	P	0.4
6	☐	250.000	264.285	1163347.03	4.3708	P	0.3
7	☐	500.000	515.587	2261545.16	8.5266	P	0.5
8	☐	1000.000	987.392	4441199.69	16.3289	P	0.6
9	☐			10873.07	0.0384	P	0.4

$$y = 0.0165 * x + 2.4513E-004$$

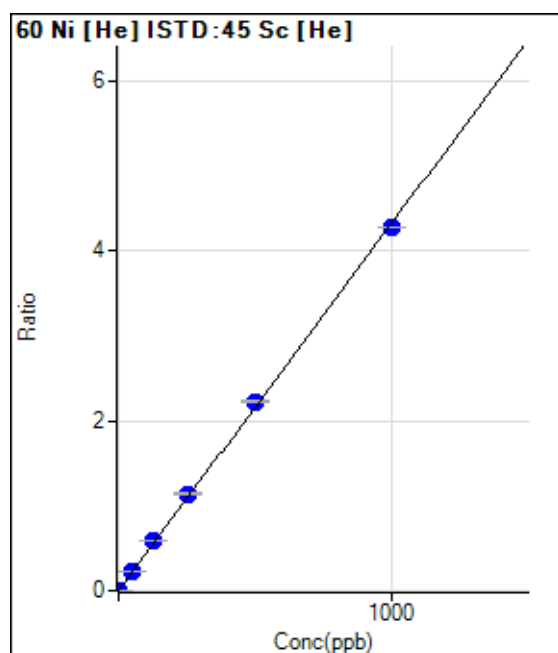
$$R = 0.9997$$

$$DL = 0.01228$$

$$BEC = 0.01482$$

Weight: <None>

Min Conc: 0



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	8.89	0.0000	P	86.6
2	☐	0.100	0.129	182.23	0.0006	P	18.5
3	☐	1.000	1.105	1508.99	0.0048	P	4.0
4	☐	50.000	53.692	66069.33	0.2321	P	0.3
5	☐	125.000	133.889	158795.41	0.5787	P	0.2
6	☐	250.000	264.414	304144.42	1.1428	P	0.5
7	☐	500.000	513.950	589107.13	2.2212	P	1.0
8	☐	1000.000	988.125	1161505.97	4.2705	P	0.0
9	☐			33485.10	0.1183	P	0.6

$$y = 0.0043 * x + 2.8637E-005$$

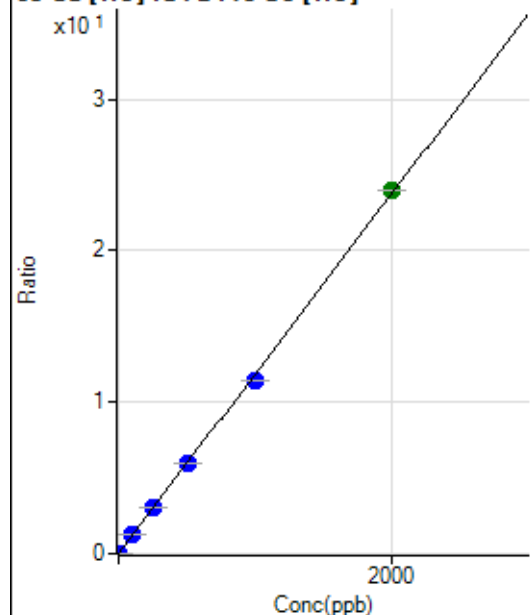
$$R = 0.9997$$

$$DL = 0.01722$$

$$BEC = 0.006626$$

Weight: <None>

Min Conc: 0

⁶³Cu [He] ISTD:45 Sc [He]

	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	526.68	0.0017	P	18.2
2	☐	0.200	0.196	1253.41	0.0040	P	4.3
3	☐	2.000	2.040	8144.61	0.0259	P	2.2
4	☐	100.000	102.187	345751.06	1.2145	P	0.2
5	☐	250.000	254.829	830413.03	3.0261	P	0.1
6	☐	500.000	501.560	1584706.31	5.9544	P	0.7
7	☐	1000.000	962.930	3031577.73	11.4301	P	0.7
8	☐	2000.000	2017.432	6512751.71	23.9453	A	0.0
9	☐			13021.51	0.0460	P	2.2

$$y = 0.0119 * x + 0.0017$$

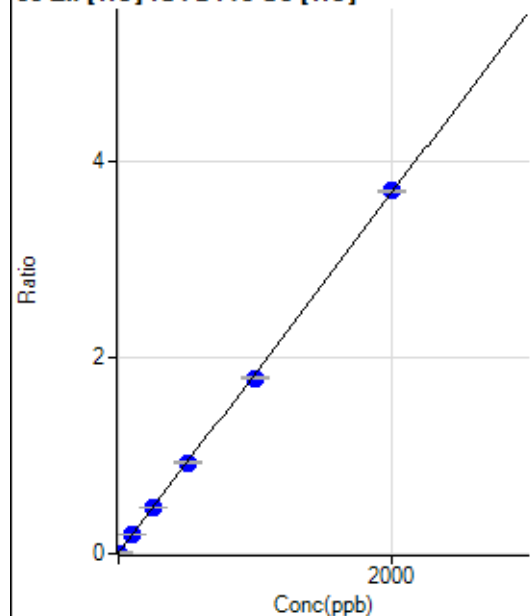
$$R = 0.9998$$

$$DL = 0.07854$$

$$BEC = 0.1435$$

Weight: <None>

Min Conc: 0

⁶⁶Zn [He] ISTD:45 Sc [He]

	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	1542.33	0.0050	P	9.3
2	☐	0.200					
3	☐	2.000	2.597	3071.48	0.0098	P	1.9
4	☐	100.000	103.297	55521.74	0.1950	P	1.1
5	☐	250.000	256.547	130890.11	0.4769	P	1.1
6	☐	500.000	503.719	247954.34	0.9317	P	0.9
7	☐	1000.000	972.390	475775.87	1.7938	P	0.8
8	☐	2000.000	2011.891	1008008.27	3.7061	P	0.6
9	☐			22311.68	0.0788	P	0.6

$$y = 0.0018 * x + 0.0050$$

$$R = 0.9998$$

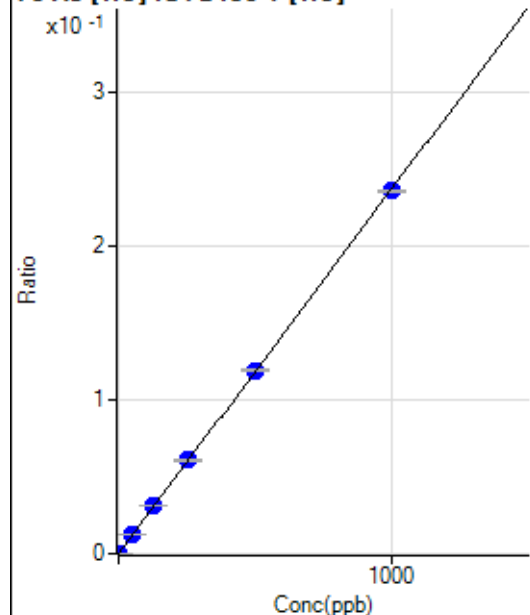
$$DL = 0.7576$$

$$BEC = 2.716$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	11.11	0.0000	P	30.4
2	☐	0.100	0.121	52.47	0.0000	P	1.8
3	☐	1.000	1.127	396.30	0.0003	P	10.2
4	☐	50.000	52.137	16477.91	0.0124	P	1.7
5	☐	125.000	130.083	40266.08	0.0308	P	1.1
6	☐	250.000	256.552	77542.16	0.0607	P	1.4
7	☐	500.000	503.938	151735.32	0.1193	P	0.9
8	☐	1000.000	995.651	301382.03	0.2357	P	0.4
9	☐			172.22	0.0001	P	10.8

$$y = 2.3673\text{E-}004 * x + 7.7988\text{E-}006$$

$$R = 1.0000$$

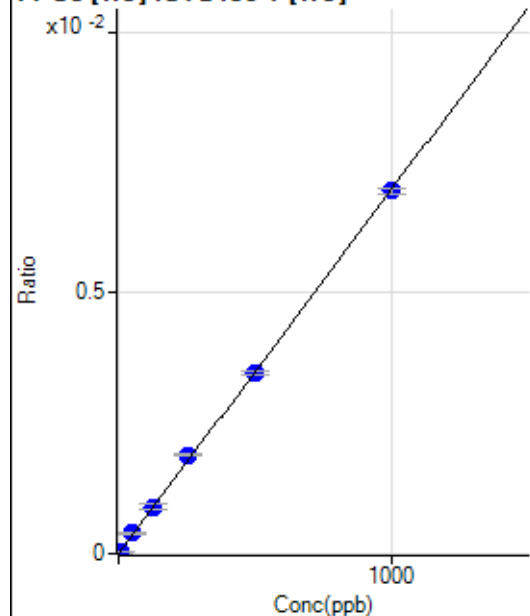
$$DL = 0.03004$$

$$BEC = 0.03294$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	0.00	0.0000	P	
2	☐	0.500	0.332	3.33	0.0000	P	0.2
3	☐	5.000	5.513	55.56	0.0000	P	34.0
4	☐	50.000	55.681	518.91	0.0004	P	13.6
5	☐	125.000	128.987	1175.62	0.0009	P	9.4
6	☐	250.000	270.942	2414.69	0.0019	P	1.4
7	☐	500.000	495.602	4398.53	0.0035	P	1.5
8	☐	1000.000	996.179	8888.42	0.0070	P	1.7
9	☐			8.89	0.0000	P	57.4

$$y = 6.9783\text{E-}006 * x + 0.0000\text{E+}000$$

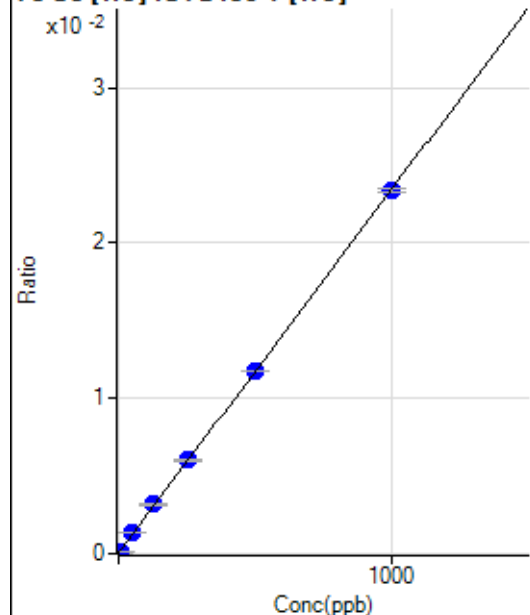
$$R = 0.9998$$

$$DL = 0$$

$$BEC = 0$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	61.11	0.0000	P	19.3
2	☐	0.500	0.797	88.27	0.0001	P	16.8
3	☐	5.000	5.204	237.66	0.0002	P	8.4
4	☐	50.000	55.243	1782.22	0.0013	P	1.3
5	☐	125.000	133.266	4133.96	0.0032	P	2.9
6	☐	250.000	255.718	7695.30	0.0060	P	2.1
7	☐	500.000	501.788	14991.77	0.0118	P	0.4
8	☐	1000.000	996.380	29870.89	0.0234	P	0.9
9	☐			70.99	0.0001	P	11.2

$$y = 2.3403\text{E-}005 * x + 4.2830\text{E-}005$$

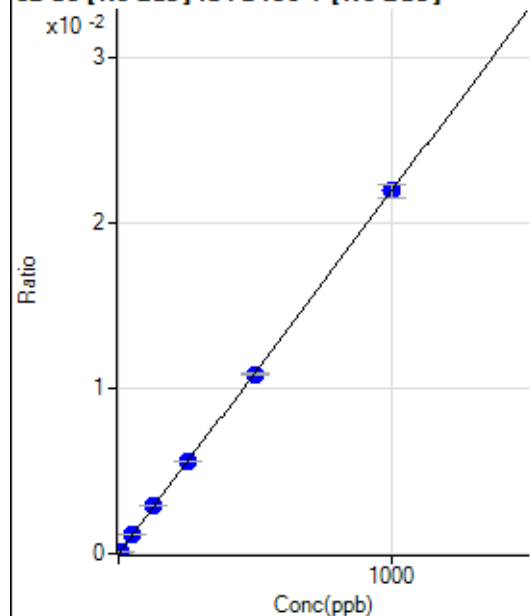
$$R = 1.0000$$

$$DL = 1.058$$

$$BEC = 1.83$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	21.76	0.0000	P	128.
2	☐	0.500					
3	☐	5.000	5.517	1187.54	0.0001	P	0.4
4	☐	50.000	53.250	10908.47	0.0012	P	1.6
5	☐	125.000	130.727	25608.36	0.0029	P	1.1
6	☐	250.000	255.188	49674.18	0.0056	P	0.6
7	☐	500.000	495.395	93918.31	0.0109	P	0.6
8	☐	1000.000	1000.125	190631.36	0.0220	P	3.7
9	☐			206.10	0.0000	P	5.0

$$y = 2.1945\text{E-}005 * x + 2.2375\text{E-}006$$

$$R = 1.0000$$

$$DL = 0.3919$$

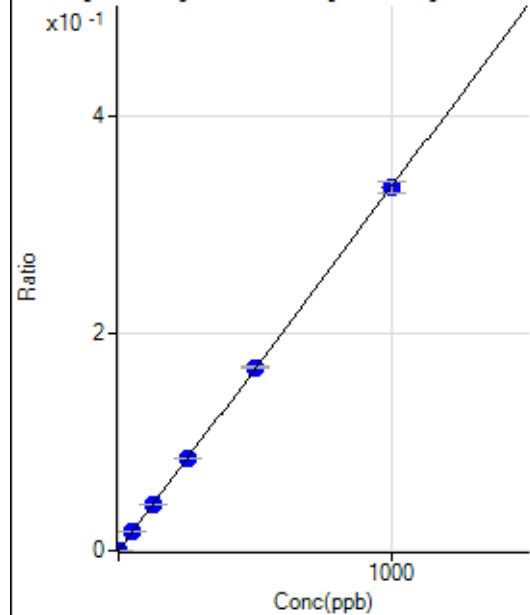
$$BEC = 0.102$$

Weight: <None>

Min Conc: 0

83 Kr [No Gas] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			514.46		P	3.1
2	☐			490.02		P	3.8
3	☐			516.68		P	2.3
4	☐			465.57		P	3.2
5	☐			464.46		P	5.8
6	☐			440.02		P	5.3
7	☐			447.79		P	12.7
8	☐			442.24		P	5.9
9	☐			473.35		P	7.9

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	786.17	0.0001	P	10.9
2	☐	0.100	0.105	1097.31	0.0001	P	2.4
3	☐	1.000	1.065	4223.02	0.0004	P	2.3
4	☐	50.000	51.141	160529.84	0.0172	P	1.3
5	☐	125.000	128.526	385138.96	0.0432	P	0.7
6	☐	250.000	254.705	758007.88	0.0855	P	0.5
7	☐	500.000	502.920	1457242.63	0.1687	P	0.8
8	☐	1000.000	996.866	2903940.60	0.3343	P	3.3
9	☐			13504.09	0.0016	P	1.4

$$y = 3.3532\text{E-}004 * x + 8.1424\text{E-}005$$

$$R = 1.0000$$

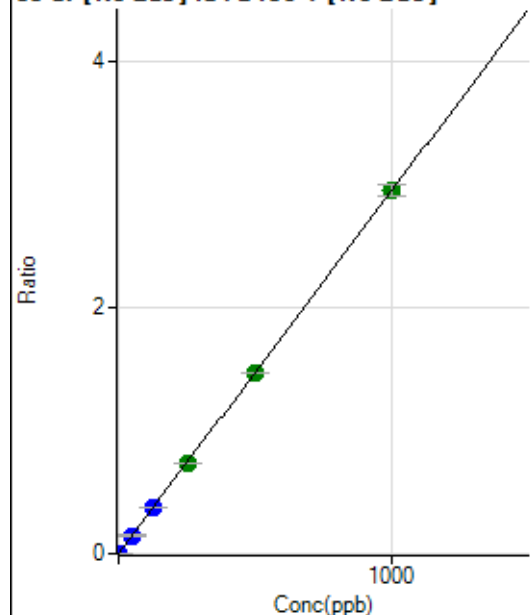
$$DL = 0.07909$$

$$BEC = 0.2428$$

Weight: <None>

Min Conc: 0

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



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	219.45	0.0000	P	21.9
2	☐	0.100	0.104	3094.90	0.0003	P	2.9
3	☐	1.000	1.014	28960.61	0.0030	P	2.3
4	☐	50.000	50.299	1379018.37	0.1480	P	0.7
5	☐	125.000	126.257	3313788.08	0.3715	P	0.3
6	☐	250.000	251.161	6552384.78	0.7390	A	0.3
7	☐	500.000	498.785	12675404.97	1.4675	A	0.3
8	☐	1000.000	1000.145	25559687.73	2.9426	A	3.1
9	☐			112216.50	0.0133	P	1.3

$$y = 0.0029 * x + 2.2757E-005$$

$$R = 1.0000$$

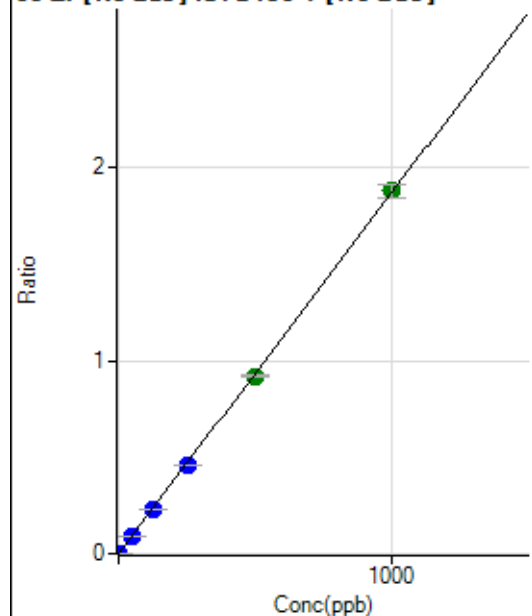
$$DL = 0.005077$$

$$BEC = 0.007735$$

Weight: <None>

Min Conc: 0

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



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	572.26	0.0001	P	12.1
2	☐	0.100	0.084	2033.55	0.0002	P	3.7
3	☐	1.000	0.853	15901.13	0.0017	P	2.8
4	☐	50.000	49.202	856299.59	0.0919	P	0.5
5	☐	125.000	124.075	2066414.41	0.2317	P	1.2
6	☐	250.000	243.656	4033491.84	0.4549	P	0.5
7	☐	500.000	492.166	7935944.71	0.9188	A	0.5
8	☐	1000.000	1005.659	16303424.84	1.8774	A	4.0
9	☐			5323.45	0.0006	P	3.7

$$y = 0.0019 * x + 5.9229E-005$$

$$R = 0.9999$$

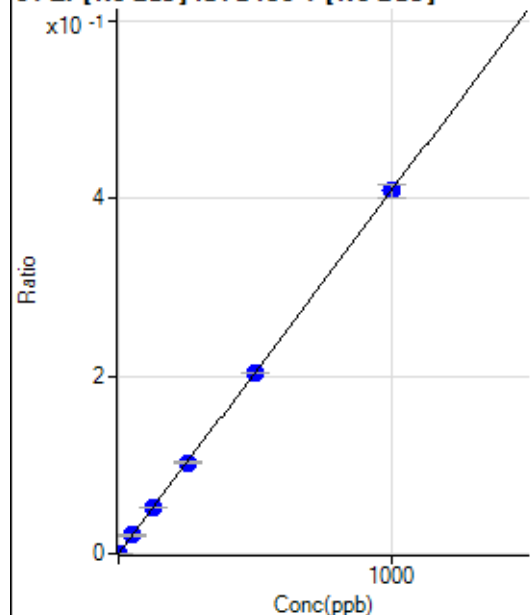
$$DL = 0.01148$$

$$BEC = 0.03173$$

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	127.78	0.0000	P	24.4
2	☐	0.100	0.095	488.92	0.0001	P	17.8
3	☐	1.000	0.899	3664.51	0.0004	P	3.9
4	☐	50.000	50.421	192056.61	0.0206	P	1.0
5	☐	125.000	127.954	466409.79	0.0523	P	1.2
6	☐	250.000	250.849	908850.45	0.1025	P	0.7
7	☐	500.000	499.534	1762917.40	0.2041	P	0.3
8	☐	1000.000	999.631	3547350.69	0.4084	P	3.5
9	☐			1244.55	0.0001	P	4.3

$$y = 4.0857\text{E-}004 * x + 1.3223\text{E-}005$$

$$R = 1.0000$$

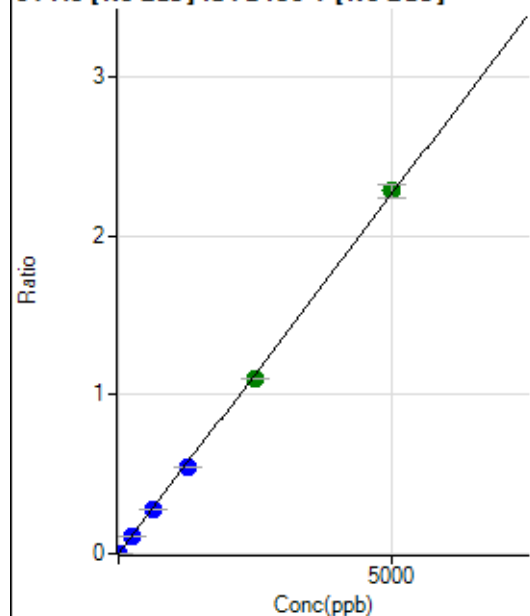
$$DL = 0.02369$$

$$BEC = 0.03236$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	316.68	0.0000	P	6.1
2	☐	0.500	0.466	2294.72	0.0002	P	2.0
3	☐	5.000	4.807	21249.81	0.0022	P	2.5
4	☐	250.000	243.870	1027848.31	0.1103	P	0.6
5	☐	625.000	614.465	2478927.03	0.2779	P	1.0
6	☐	1250.000	1206.514	4838239.74	0.5457	P	0.6
7	☐	2500.000	2433.300	9505056.90	1.1005	A	0.4
8	☐	5000.000	5045.845	19819319.71	2.2820	A	3.5
9	☐			19967.45	0.0024	P	3.8

$$y = 4.5225\text{E-}004 * x + 3.2796\text{E-}005$$

$$R = 0.9998$$

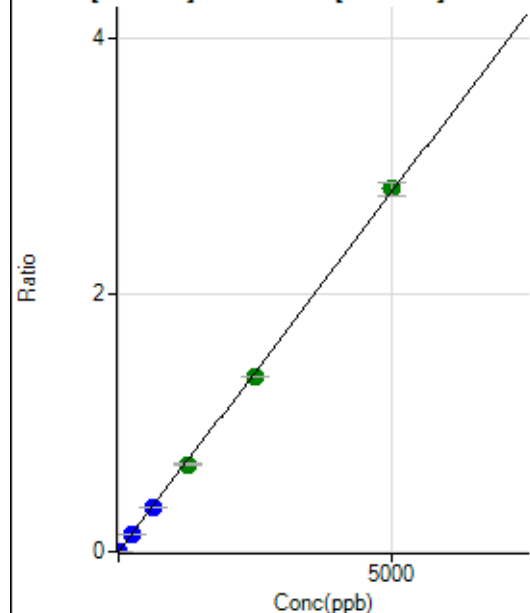
$$DL = 0.01325$$

$$BEC = 0.07252$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	175.01	0.0000	P	25.7
2	☐	0.500	0.484	2725.36	0.0003	P	4.1
3	☐	5.000	4.896	26578.24	0.0028	P	2.0
4	☐	250.000	242.227	1264015.89	0.1357	P	0.8
5	☐	625.000	606.095	3027635.31	0.3394	P	1.0
6	☐	1250.000	1212.126	6018785.77	0.6788	A	0.8
7	☐	2500.000	2431.083	11759142.45	1.3615	A	0.6
8	☐	5000.000	5046.679	24546805.76	2.8262	A	3.4
9	☐			30508.54	0.0036	P	0.4

$$y = 5.6001\text{E-}004 * x + 1.8155\text{E-}005$$

$$R = 0.9998$$

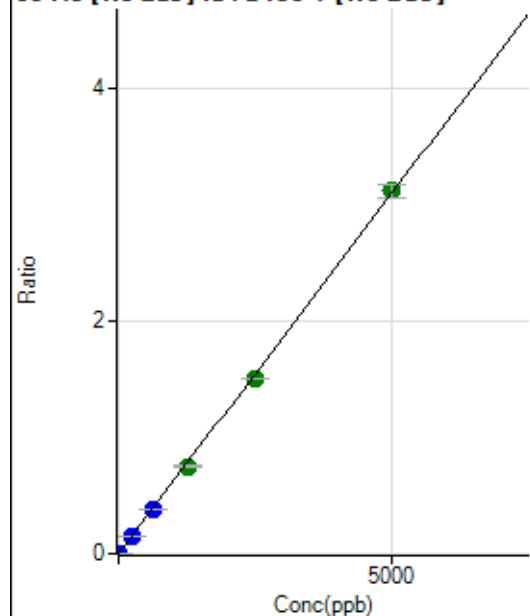
$$DL = 0.02502$$

$$BEC = 0.03242$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	291.68	0.0000	P	15.1
2	☐	0.500	0.460	2961.55	0.0003	P	3.0
3	☐	5.000	4.911	29514.72	0.0031	P	0.4
4	☐	250.000	243.882	1404479.83	0.1507	P	0.3
5	☐	625.000	608.675	3355595.04	0.3762	P	0.4
6	☐	1250.000	1214.335	6654098.93	0.7505	A	0.7
7	☐	2500.000	2441.653	13033004.55	1.5089	A	0.1
8	☐	5000.000	5040.436	27053918.66	3.1150	A	3.5
9	☐			42219.07	0.0050	P	1.4

$$y = 6.1799\text{E-}004 * x + 3.0203\text{E-}005$$

$$R = 0.9999$$

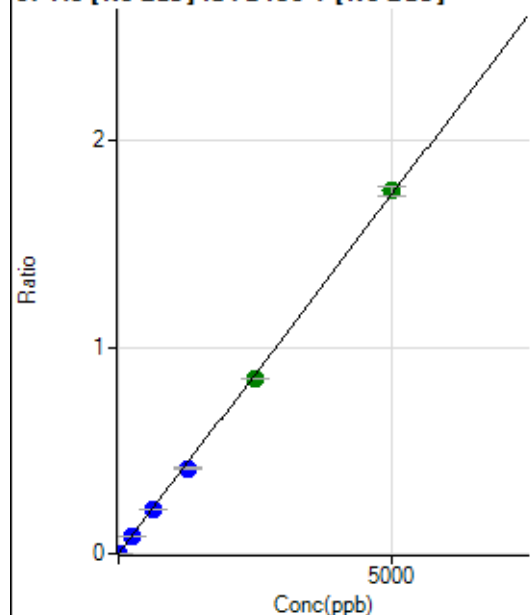
$$DL = 0.02207$$

$$BEC = 0.04887$$

Weight: <None>

Min Conc: 0

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



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	138.89	0.0000	P	18.2
2	☐	0.500	0.471	1680.73	0.0002	P	5.8
3	☐	5.000	5.026	16982.96	0.0018	P	1.4
4	☐	250.000	241.454	783024.56	0.0840	P	0.4
5	☐	625.000	612.217	1900495.96	0.2131	P	1.1
6	☐	1250.000	1191.768	3677538.36	0.4148	P	0.7
7	☐	2500.000	2427.064	7295499.64	0.8447	A	0.2
8	☐	5000.000	5053.051	15275296.69	1.7585	A	2.9
9	☐			19258.12	0.0023	P	3.1

$$y = 3.4801\text{E-}004 * x + 1.4375\text{E-}005$$

$$R = 0.9998$$

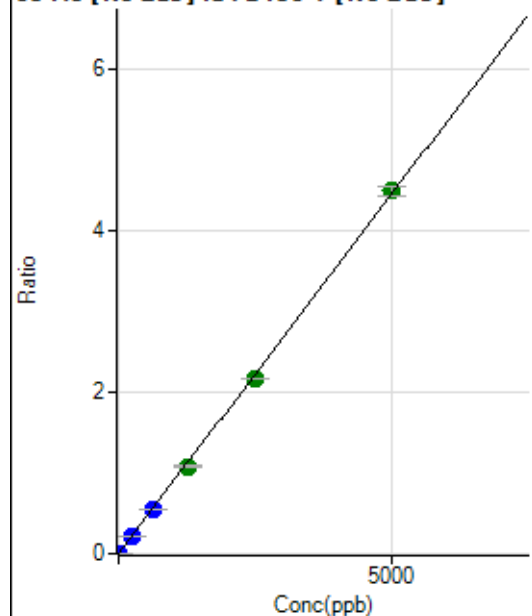
$$DL = 0.02254$$

$$BEC = 0.04131$$

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	286.13	0.0000	P	33.7
2	☐	0.500	0.480	4306.40	0.0005	P	1.2
3	☐	5.000	4.889	42213.48	0.0044	P	1.6
4	☐	250.000	241.926	2007385.16	0.2155	P	0.5
5	☐	625.000	606.913	4820529.84	0.5405	P	1.4
6	☐	1250.000	1213.980	9585112.20	1.0810	A	0.6
7	☐	2500.000	2429.606	18686717.95	2.1635	A	0.1
8	☐	5000.000	5046.867	39038660.94	4.4941	A	2.8
9	☐			48806.74	0.0058	P	0.5

$$y = 8.9047\text{E-}004 * x + 2.9698\text{E-}005$$

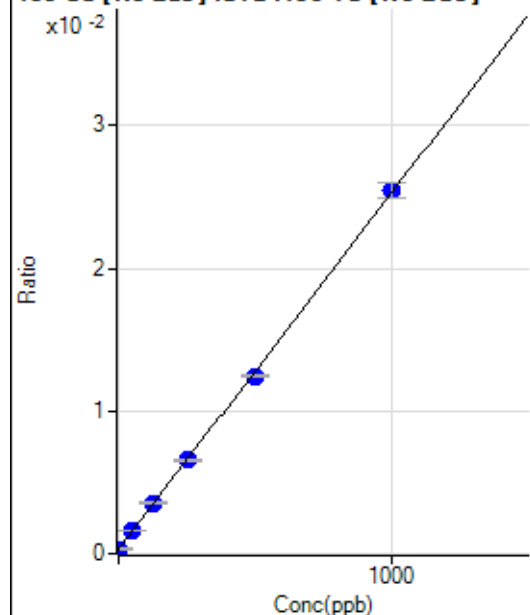
$$R = 0.9998$$

$$DL = 0.03371$$

$$BEC = 0.03335$$

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	3589.50	0.0003	P	3.4
2	☐	0.100	0.384	3567.24	0.0003	P	2.0
3	☐	1.000	0.579	3728.43	0.0003	P	3.7
4	☐	50.000	53.769	18206.76	0.0017	P	2.8
5	☐	125.000	129.972	38848.61	0.0036	P	0.8
6	☐	250.000	249.860	72399.17	0.0066	P	0.5
7	☐	500.000	486.444	134917.72	0.0125	P	0.6
8	☐	1000.000	1006.003	276412.82	0.0254	P	4.2
9	☐			3389.45	0.0003	P	0.2

$$y = 2.4947\text{E-}005 * x + 3.1698\text{E-}004$$

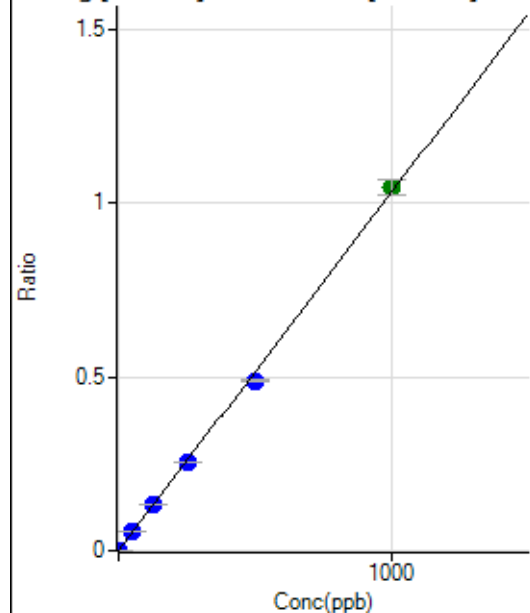
$$R = 0.9999$$

$$DL = 1.286$$

$$BEC = 12.71$$

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	102.78	0.0000	P	26.7
2	☐	0.100	0.105	1277.89	0.0001	P	2.2
3	☐	1.000	1.052	12297.53	0.0011	P	4.6
4	☐	50.000	54.127	612201.75	0.0558	P	1.0
5	☐	125.000	130.734	1469698.45	0.1347	P	0.8
6	☐	250.000	248.192	2825485.90	0.2556	P	0.1
7	☐	500.000	473.692	5285855.50	0.4879	P	1.1
8	☐	1000.000	1012.683	11344220.74	1.0430	A	4.2
9	☐			2503.12	0.0002	P	4.1

$$y = 0.0010 * x + 9.0858\text{E-}006$$

$$R = 0.9995$$

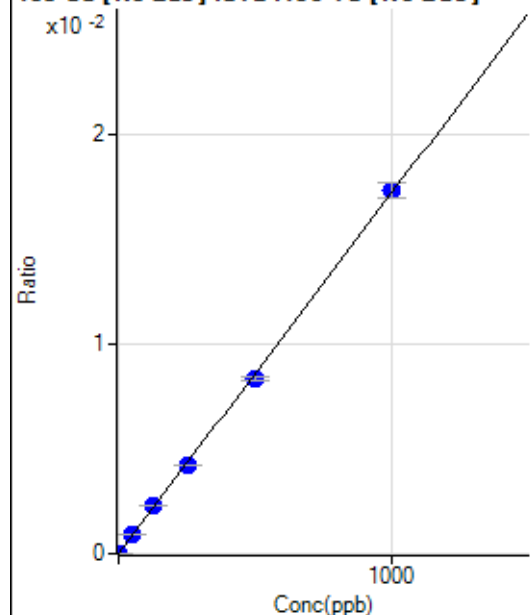
$$DL = 0.007066$$

$$BEC = 0.008822$$

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	22.22	0.0000	P	54.5
2	☐	0.100	0.025	26.39	0.0000	P	49.3
3	☐	1.000	0.963	208.34	0.0000	P	18.1
4	☐	50.000	53.118	10053.74	0.0009	P	2.1
5	☐	125.000	132.552	24905.47	0.0023	P	2.5
6	☐	250.000	247.506	47079.61	0.0043	P	0.3
7	☐	500.000	485.559	90511.91	0.0084	P	1.3
8	☐	1000.000	1006.744	188373.96	0.0173	P	4.3
9	☐			56.95	0.0000	P	44.5

$$y = 1.7202\text{E-}005 * x + 1.9677\text{E-}006$$

$$R = 0.9998$$

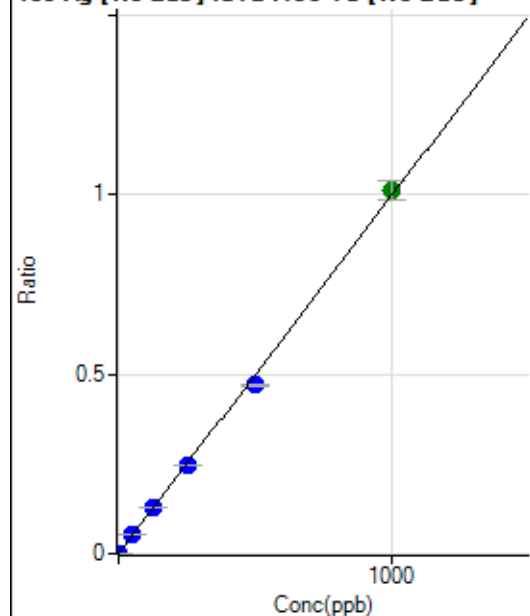
$$DL = 0.187$$

$$BEC = 0.1144$$

Weight: <None>

Min Conc: 0

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



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	80.56	0.0000	P	49.1
2	☐	0.100	0.111	1280.68	0.0001	P	9.5
3	☐	1.000	1.049	11824.81	0.0011	P	2.4
4	☐	50.000	53.968	590010.72	0.0537	P	2.0
5	☐	125.000	129.951	1412209.63	0.1294	P	0.5
6	☐	250.000	248.085	2730064.51	0.2470	P	0.5
7	☐	500.000	471.919	5090431.06	0.4699	P	1.4
8	☐	1000.000	1013.702	10973954.50	1.0093	A	5.2
9	☐			2436.43	0.0002	P	2.4

$$y = 9.9562\text{E-}004 * x + 7.1149\text{E-}006$$

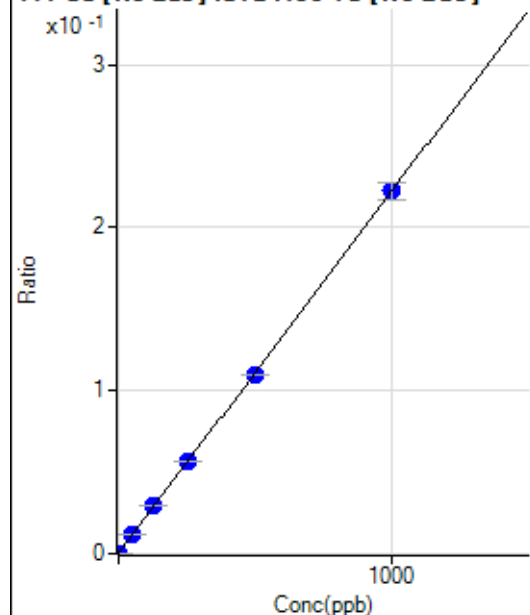
$$R = 0.9994$$

$$DL = 0.01052$$

$$BEC = 0.007146$$

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	2530.43	0.0002	P	3.4
2	☐	0.100					
3	☐	1.000	0.998	5006.02	0.0004	P	1.9
4	☐	50.000	53.632	133173.96	0.0121	P	1.7
5	☐	125.000	131.171	320258.75	0.0293	P	0.4
6	☐	250.000	253.837	625271.24	0.0566	P	0.6
7	☐	500.000	493.053	1188266.55	0.1097	P	0.6
8	☐	1000.000	1001.561	2420044.11	0.2226	P	5.0
9	☐			3013.34	0.0003	P	0.9

$$y = 2.2199\text{E-}004 * x + 2.2345\text{E-}004$$

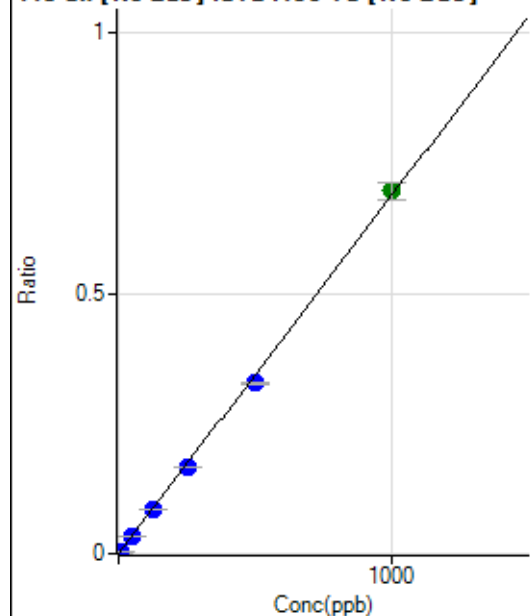
$$R = 0.9999$$

$$DL = 0.1034$$

$$BEC = 1.007$$

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	855.62	0.0001	P	7.9
2	☐	0.500	0.550	4953.86	0.0005	P	5.3
3	☐	5.000	5.252	41478.78	0.0037	P	0.6
4	☐	50.000	50.552	382527.28	0.0348	P	1.4
5	☐	125.000	124.852	937936.79	0.0859	P	0.6
6	☐	250.000	243.136	1848857.66	0.1673	P	0.6
7	☐	500.000	476.446	3550620.83	0.3277	P	0.9
8	☐	1000.000	1013.483	7579653.21	0.6970	A	4.9
9	☐			4959.41	0.0005	P	1.6

$$y = 6.8769\text{E-}004 * x + 7.5571\text{E-}005$$

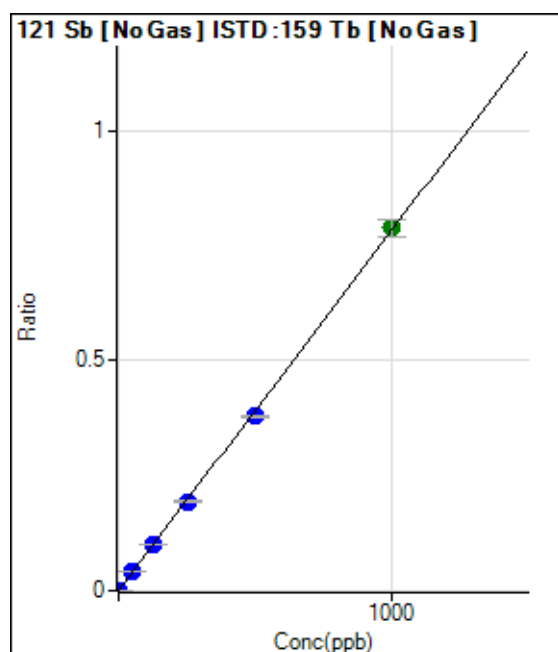
$$R = 0.9996$$

$$DL = 0.026$$

$$BEC = 0.1099$$

Weight: <None>

Min Conc: 0



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	155.56	0.0000	P	11.9
2	☐	0.200	0.198	1839.08	0.0002	P	8.8
3	☐	2.000	1.958	17408.66	0.0015	P	2.3
4	☐	50.000	51.321	441632.74	0.0402	P	0.9
5	☐	125.000	126.572	1082466.14	0.0992	P	0.8
6	☐	250.000	248.255	2149902.07	0.1945	P	0.6
7	☐	500.000	485.312	4119596.31	0.3802	P	1.1
8	☐	1000.000	1007.518	8583177.27	0.7894	A	5.1
9	☐			9612.07	0.0009	P	7.8

$$y = 7.8347\text{E-}004 * x + 1.3731\text{E-}005$$

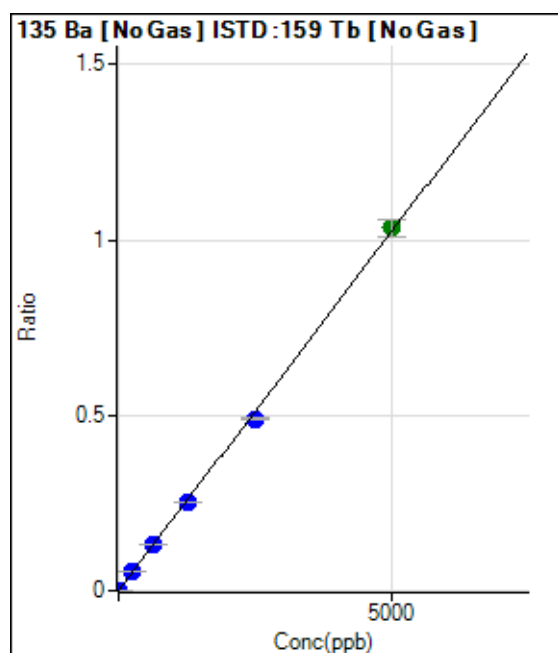
$$R = 0.9998$$

$$DL = 0.006256$$

$$BEC = 0.01753$$

Weight: <None>

Min Conc: 0



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	50.00	0.0000	P	29.5
2	☐	1.000	1.108	2525.32	0.0002	P	8.5
3	☐	10.000	10.575	24388.93	0.0022	P	1.4
4	☐	250.000	256.673	576670.20	0.0525	P	1.2
5	☐	625.000	633.077	1413813.89	0.1295	P	0.6
6	☐	1250.000	1238.316	2800493.03	0.2534	P	0.5
7	☐	2500.000	2396.761	5313386.58	0.4904	P	0.5
8	☐	5000.000	5053.196	11242254.77	1.0339	A	5.1
9	☐			2761.50	0.0003	P	3.8

$$y = 2.0461\text{E-}004 * x + 4.4218\text{E-}006$$

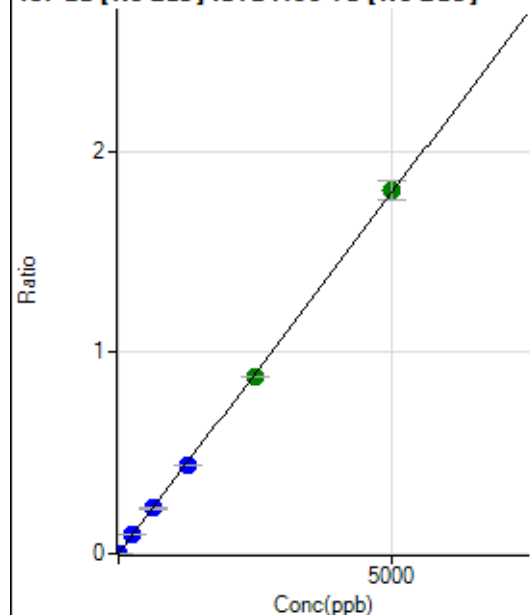
$$R = 0.9997$$

$$DL = 0.0191$$

$$BEC = 0.02161$$

Weight: <None>

Min Conc: 0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	58.34	0.0000	P	24.3
2	☐	1.000	1.093	4331.41	0.0004	P	4.2
3	☐	10.000	10.495	42334.69	0.0038	P	1.1
4	☐	250.000	256.468	1008461.51	0.0918	P	1.4
5	☐	625.000	628.789	2457674.51	0.2252	P	1.2
6	☐	1250.000	1215.385	4810674.59	0.4352	P	0.3
7	☐	2500.000	2451.823	9512883.55	0.8780	A	0.7
8	☐	5000.000	5031.944	19593396.09	1.8020	A	5.2
9	☐			4659.33	0.0005	P	6.4

$$y = 3.5811\text{E-}004 * x + 5.1468\text{E-}006$$

$$R = 0.9999$$

$$DL = 0.01048$$

$$BEC = 0.01437$$

Weight: <None>

Min Conc: 0

150 Nd [No Gas] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐			17.78		P	21.7
2	☐			13.33		P	100.
3	☐			11.11		P	69.3
4	☐			64.45		P	29.9
5	☐			144.45		P	21.8
6	☐			193.34		P	21.5
7	☐			413.36		P	4.3
8	☐			777.83		P	19.7
9	☐			84.45		P	36.5

150 Nd [He] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			10.00		P	57.7
2	☐			11.11		P	75.5
3	☐			4.44		P	43.4
4	☐			11.11		P	17.3
5	☐			24.44		P	7.9
6	☐			27.78		P	25.0
7	☐			83.33		P	25.0
8	☐			92.23		P	8.3
9	☐			41.11		P	36.6

156 Dy [No Gas] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			19.44		P	65.5
2	☐			27.78		P	45.8
3	☐			25.00		P	0.0
4	☐			25.00		P	33.3
5	☐			63.89		P	32.8
6	☐			77.78		P	44.6
7	☐			116.67		P	25.8
8	☐			175.01		P	8.2
9	☐			61.11		P	55.1

156 Dy [He] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			18.89		P	40.7
2	☐			24.45		P	28.4
3	☐			22.22		P	43.3
4	☐			35.55		P	30.1
5	☐			67.78		P	10.2
6	☐			91.11		P	11.2
7	☐			183.33		P	3.1
8	☐			297.79		P	8.7
9	☐			45.56		P	36.1

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			94.45		P	35.7
2	☐			100.00		P	30.0
3	☐			105.56		P	19.9
4	☐			122.23		P	30.7
5	☐			125.01		P	17.6
6	☐			91.67		P	32.8
7	☐			94.45		P	18.4
8	☐			138.89		P	15.1
9	☐			155.56		P	32.7

160 Gd [He] No available calibration points

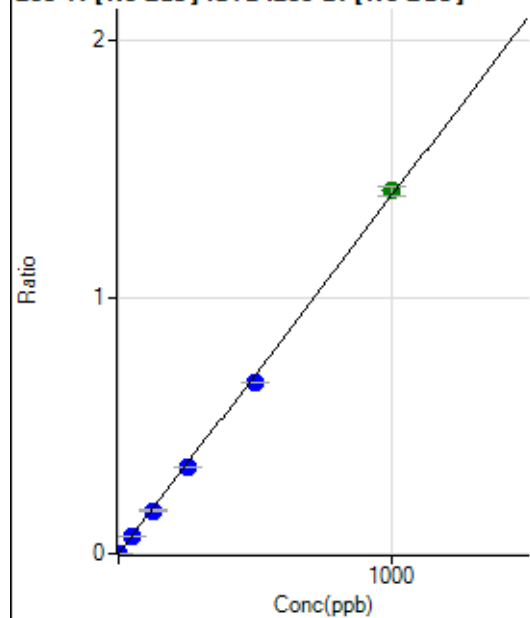
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			302.23		P	8.9
2	☐			275.56		P	19.6
3	☐			283.34		P	10.5
4	☐			314.46		P	9.6
5	☐			277.79		P	5.9
6	☐			292.23		P	10.3
7	☐			286.68		P	5.3
8	☐			313.34		P	8.7
9	☐			310.01		P	6.5

164 Er [No Gas] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			86.12		P	24.4
2	☐			55.56		P	22.9
3	☐			77.78		P	53.9
4	☐			66.67		P	12.5
5	☐			86.12		P	24.4
6	☐			80.56		P	15.8
7	☐			130.56		P	39.0
8	☐			72.23		P	63.6
9	☐			111.12		P	41.3

164 Er [He] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			55.56		P	21.1
2	☐			50.00		P	43.7
3	☐			47.78		P	26.4
4	☐			56.67		P	23.5
5	☐			57.78		P	32.8
6	☐			66.67		P	20.0
7	☐			77.78		P	26.2
8	☐			53.33		P	12.5
9	☐			43.33		P	20.3

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	469.48	0.0001	P	19.3
2	☐	0.100	0.082	1225.11	0.0002	P	2.2
3	☐	1.000	0.942	9531.56	0.0014	P	1.4
4	☐	50.000	48.408	458335.01	0.0676	P	1.0
5	☐	125.000	120.873	1143047.44	0.1686	P	0.8
6	☐	250.000	241.371	2265768.32	0.3366	P	0.4
7	☐	500.000	477.516	4358290.07	0.6658	P	0.7
8	☐	1000.000	1013.995	9134804.89	1.4138	A	3.0
9	☐			2878.22	0.0005	P	2.4

$$y = 0.0014 * x + 6.8096E-005$$

$$R = 0.9996$$

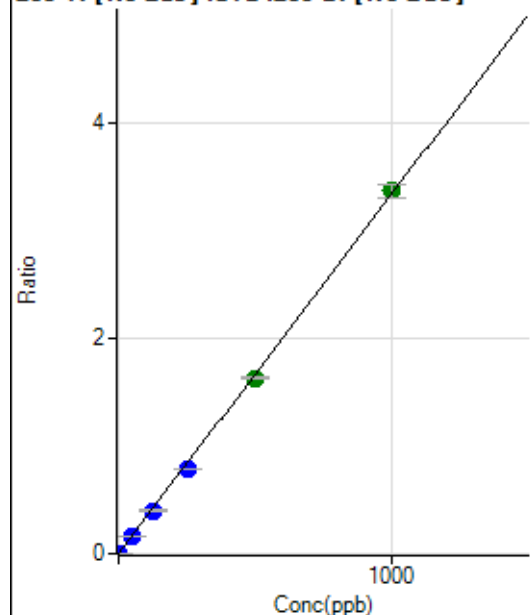
$$DL = 0.02822$$

$$BEC = 0.04884$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	825.06	0.0001	P	3.6
2	☐	0.100	0.094	2919.90	0.0004	P	9.6
3	☐	1.000	0.948	22684.13	0.0033	P	1.6
4	☐	50.000	48.312	1095633.69	0.1615	P	1.5
5	☐	125.000	119.853	2715340.79	0.4005	P	1.0
6	☐	250.000	237.649	5344714.57	0.7940	P	0.2
7	☐	500.000	488.298	10677858.48	1.6312	A	0.9
8	☐	1000.000	1009.667	21791366.98	3.3728	A	3.5
9	☐			5984.95	0.0011	P	1.0

$$y = 0.0033 * x + 1.1984E-004$$

$$R = 0.9998$$

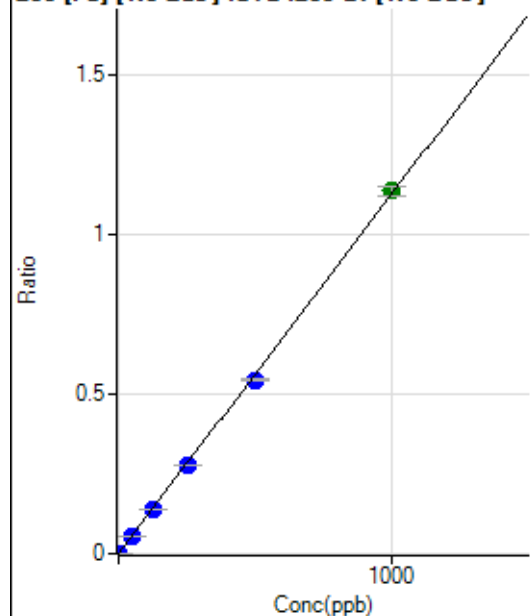
$$DL = 0.003833$$

$$BEC = 0.03588$$

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	725.97	0.0001	P	12.5
2	☐	0.100	0.105	1509.39	0.0002	P	5.8
3	☐	1.000	0.973	8293.55	0.0012	P	4.3
4	☐	50.000	49.022	375492.41	0.0553	P	1.4
5	☐	125.000	122.798	939008.72	0.1385	P	0.8
6	☐	250.000	245.540	1863398.81	0.2768	P	0.3
7	☐	500.000	483.360	3566315.13	0.5448	P	0.7
8	☐	1000.000	1009.759	7353438.99	1.1380	A	2.8
9	☐			21312.00	0.0040	P	3.8

$$y = 0.0011 * x + 1.0542E-004$$

$$R = 0.9998$$

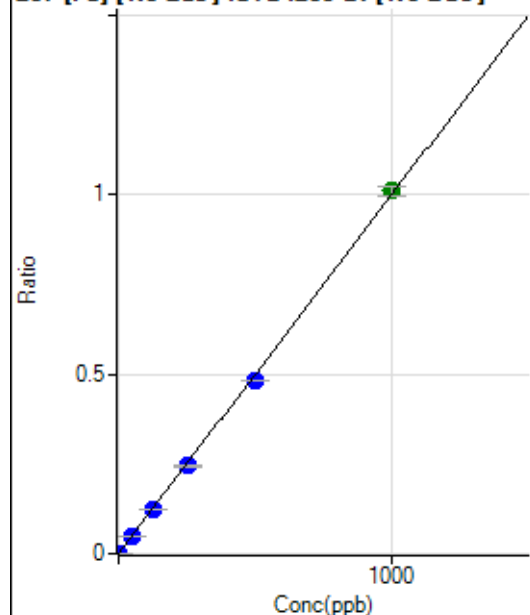
$$DL = 0.03496$$

$$BEC = 0.09354$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	787.08	0.0001	P	5.6
2	☐	0.100	0.082	1324.18	0.0002	P	6.1
3	☐	1.000	0.925	7155.81	0.0010	P	4.2
4	☐	50.000	48.548	329394.17	0.0486	P	0.3
5	☐	125.000	122.413	828906.28	0.1222	P	0.4
6	☐	250.000	243.949	1639208.41	0.2435	P	0.8
7	☐	500.000	480.919	3141587.91	0.4799	P	0.5
8	☐	1000.000	1011.449	6521614.73	1.0093	A	2.7
9	☐			19288.48	0.0036	P	0.7

$$y = 9.9772\text{E-}004 * x + 1.1428\text{E-}004$$

$$R = 0.9997$$

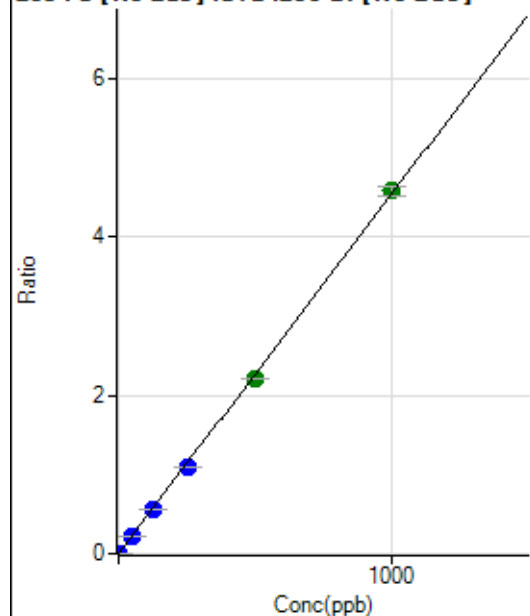
$$DL = 0.01934$$

$$BEC = 0.1145$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	2868.71	0.0004	P	4.9
2	☐	0.100	0.092	5613.57	0.0008	P	2.6
3	☐	1.000	0.943	32395.74	0.0047	P	0.5
4	☐	50.000	48.795	1504608.10	0.2218	P	0.5
5	☐	125.000	122.148	3760062.09	0.5546	P	0.5
6	☐	250.000	242.298	7402291.43	1.0996	P	0.5
7	☐	500.000	486.266	14442732.78	2.2064	A	0.3
8	☐	1000.000	1009.209	29587086.60	4.5788	A	2.6
9	☐			86271.99	0.0163	P	0.7

$$y = 0.0045 * x + 4.1652\text{E-}004$$

$$R = 0.9998$$

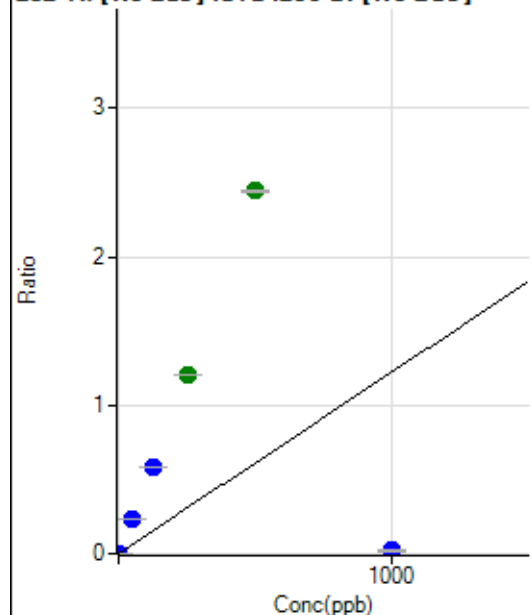
$$DL = 0.01339$$

$$BEC = 0.09181$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	1776.11	0.0003	P	2.8
2	☐	0.100	0.324	4402.71	0.0007	P	4.5
3	☐	1.000	3.266	29337.24	0.0043	P	3.9
4	☐	50.000	187.980	1560932.34	0.2301	P	0.2
5	☐	125.000	479.826	3979354.43	0.5869	P	0.7
6	☐	250.000	986.146	8117783.75	1.2059	A	0.2
7	☐	500.000	1997.791	15989535.08	2.4427	A	0.5
8	☐	1000.000	15.814	126579.27	0.0196	P	3.3
9	☐			2754.07	0.0005	P	2.3

$$y = 0.0012 * x + 2.5787E-004$$

$$R = 0.2549$$

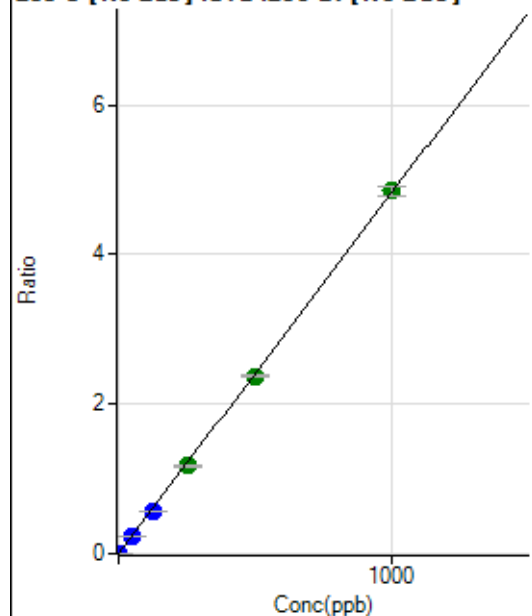
$$DL = 0.01794$$

$$BEC = 0.2109$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	2153.05	0.0003	P	8.6
2	☐	0.100	0.092	5101.22	0.0008	P	3.3
3	☐	1.000	0.903	32218.71	0.0047	P	0.8
4	☐	50.000	47.148	1544769.53	0.2277	P	0.6
5	☐	125.000	118.226	3868033.46	0.5705	P	1.2
6	☐	250.000	243.101	7894488.72	1.1727	A	0.5
7	☐	500.000	493.202	15571370.49	2.3789	A	0.8
8	☐	1000.000	1006.113	31355149.31	4.8525	A	2.8
9	☐			5818.20	0.0011	P	4.4

$$y = 0.0048 * x + 3.1249E-004$$

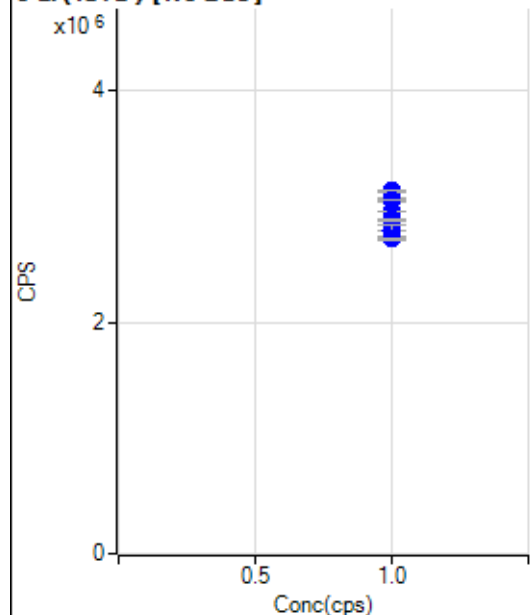
$$R = 0.9999$$

$$DL = 0.01666$$

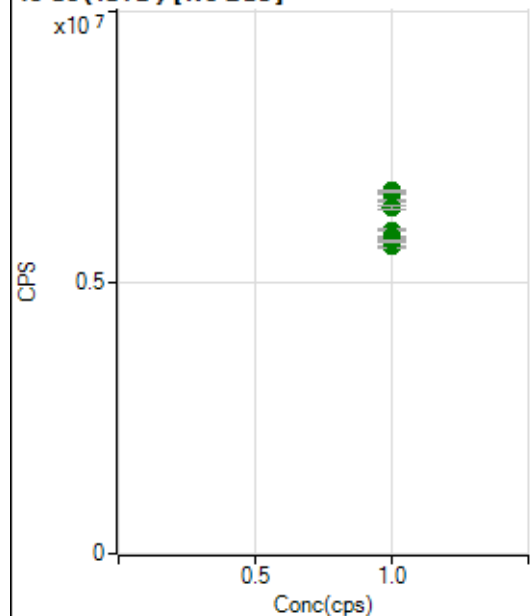
$$BEC = 0.0648$$

Weight: <None>

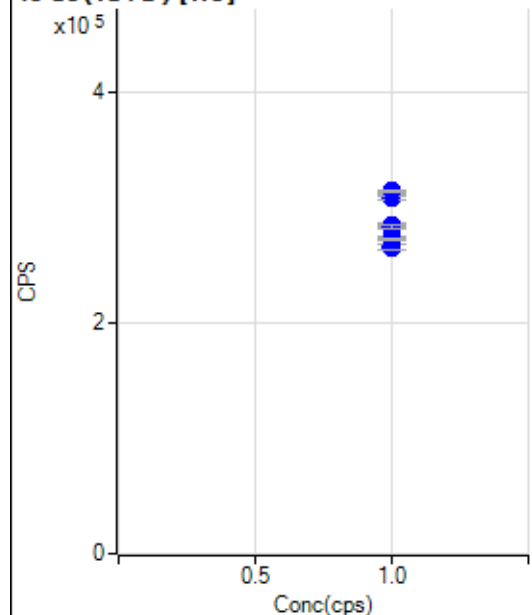
Min Conc: 0

6 Li (ISTD) [No Gas]

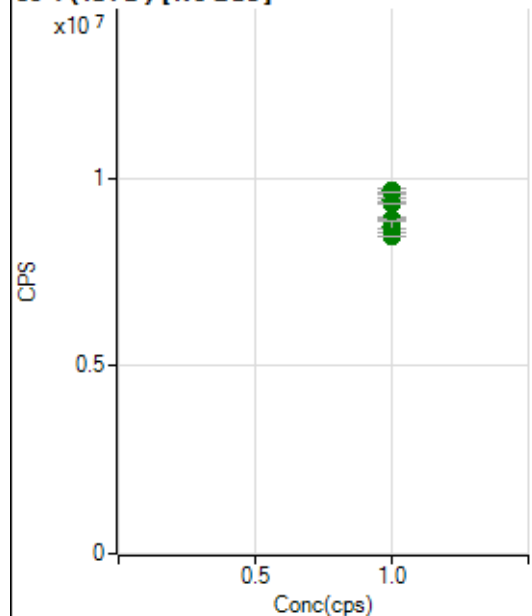
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		3134745.02		P	0.4
2	☐	1.000		3059958.04		P	0.9
3	☐	1.000		3134366.72		P	0.5
4	☐	1.000		3062142.18		P	0.2
5	☐	1.000		2963787.00		P	0.1
6	☐	1.000		2888431.55		P	0.5
7	☐	1.000		2791500.72		P	0.4
8	☐	1.000		2794978.81		P	3.5
9	☐	1.000		2722781.49		P	0.6

45 Sc (ISTD) [No Gas]

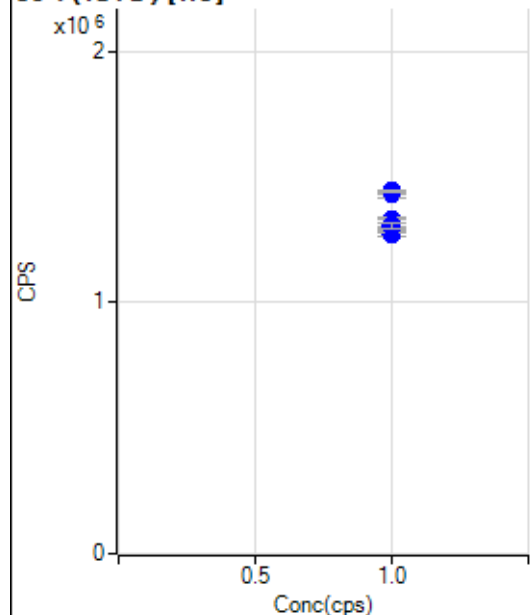
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		6651801.67		A	0.8
2	☐	1.000		6506009.69		A	0.5
3	☐	1.000		6697137.48		A	0.9
4	☐	1.000		6385699.97		A	0.7
5	☐	1.000		5975867.97		A	0.6
6	☐	1.000		5844850.39		A	0.3
7	☐	1.000		5669742.36		A	0.1
8	☐	1.000		5764012.54		A	3.8
9	☐	1.000		5782827.91		A	0.6

45 Sc (ISTD) [He]

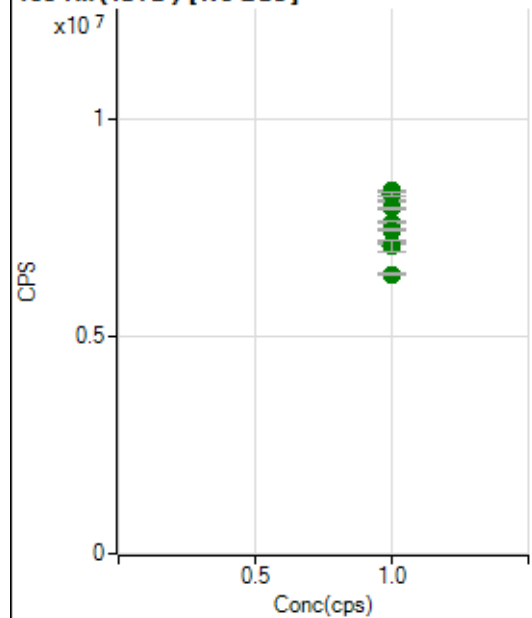
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		308737.75		P	1.1
2	☐	1.000		311076.92		P	0.4
3	☐	1.000		314221.21		P	0.3
4	☐	1.000		284690.00		P	0.9
5	☐	1.000		274417.16		P	0.8
6	☐	1.000		266160.95		P	1.9
7	☐	1.000		265249.38		P	1.8
8	☐	1.000		271984.36		P	0.3
9	☐	1.000		283095.28		P	0.7

89 Y (ISTD) [No Gas]

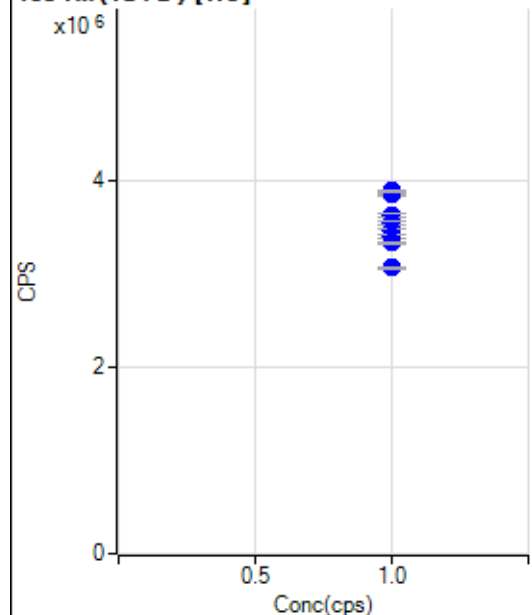
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		9659887.01		A	1.3
2	☐	1.000		9421210.83		A	0.6
3	☐	1.000		9630105.97		A	0.4
4	☐	1.000		9316860.28		A	0.2
5	☐	1.000		8920314.31		A	1.4
6	☐	1.000		8866716.60		A	0.5
7	☐	1.000		8637155.01		A	0.0
8	☐	1.000		8692424.73		A	3.6
9	☐	1.000		8451967.24		A	0.5

89 Y(ISTD) [He]

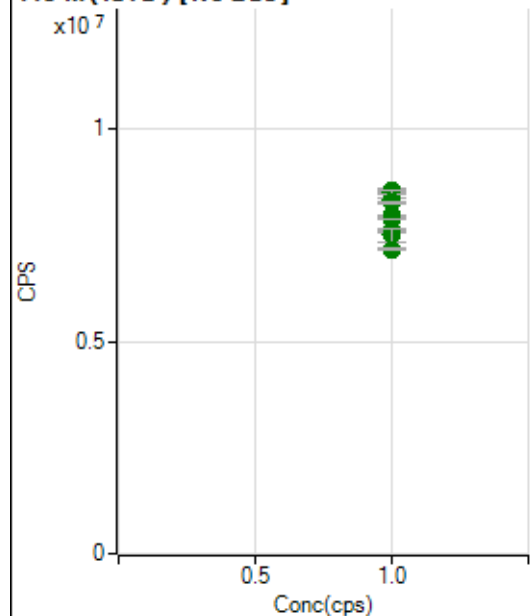
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		1428614.39		P	1.4
2	☐	1.000		1435703.68		P	0.2
3	☐	1.000		1443480.31		P	0.5
4	☐	1.000		1334355.27		P	0.9
5	☐	1.000		1307371.24		P	1.6
6	☐	1.000		1276871.69		P	2.2
7	☐	1.000		1271992.40		P	1.9
8	☐	1.000		1278642.72		P	0.6
9	☐	1.000		1304406.51		P	1.2

103 Rh(ISTD) [No Gas]

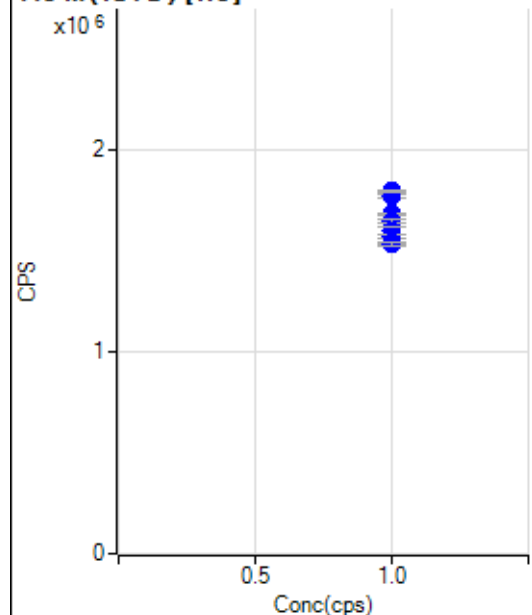
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		8350273.45		A	0.7
2	☐	1.000		8111333.60		A	0.8
3	☐	1.000		8281551.14		A	1.4
4	☐	1.000		7950975.00		A	0.5
5	☐	1.000		7632947.74		A	0.6
6	☐	1.000		7456908.67		A	0.4
7	☐	1.000		7135684.10		A	0.4
8	☐	1.000		7074845.99		A	4.1
9	☐	1.000		6437828.40		A	0.7

103 Rh (ISTD) [He]

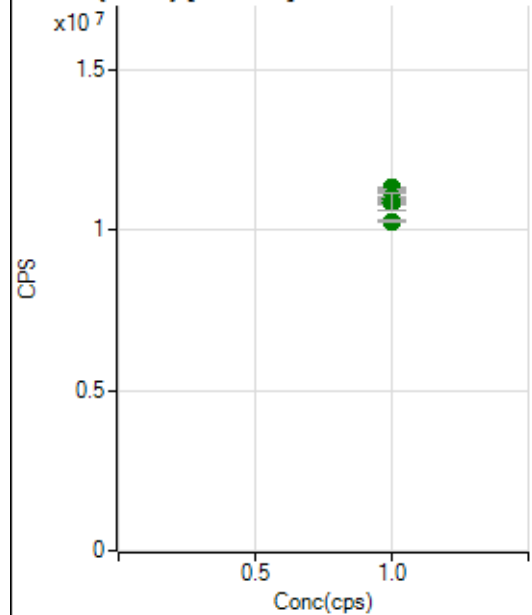
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		3854410.98		P	1.0
2	☐	1.000		3867400.36		P	0.5
3	☐	1.000		3889728.90		P	0.4
4	☐	1.000		3628292.51		P	0.6
5	☐	1.000		3544283.52		P	1.2
6	☐	1.000		3454867.76		P	2.2
7	☐	1.000		3401013.56		P	1.3
8	☐	1.000		3337149.22		P	0.8
9	☐	1.000		3064452.11		P	1.0

115 In (ISTD) [No Gas]

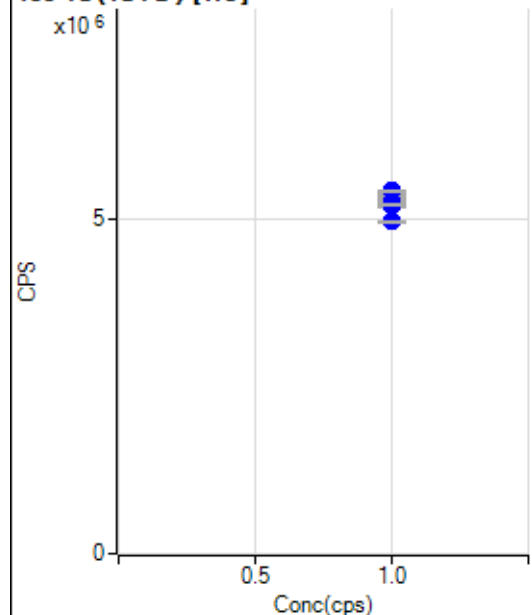
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		8553994.05		A	1.2
2	☐	1.000		8343955.13		A	1.0
3	☐	1.000		8540442.44		A	1.0
4	☐	1.000		8278947.77		A	0.2
5	☐	1.000		7961814.13		A	0.7
6	☐	1.000		7891895.04		A	0.3
7	☐	1.000		7605846.77		A	0.4
8	☐	1.000		7513120.22		A	4.0
9	☐	1.000		7171625.92		A	0.6

115 In (ISTD) [He]

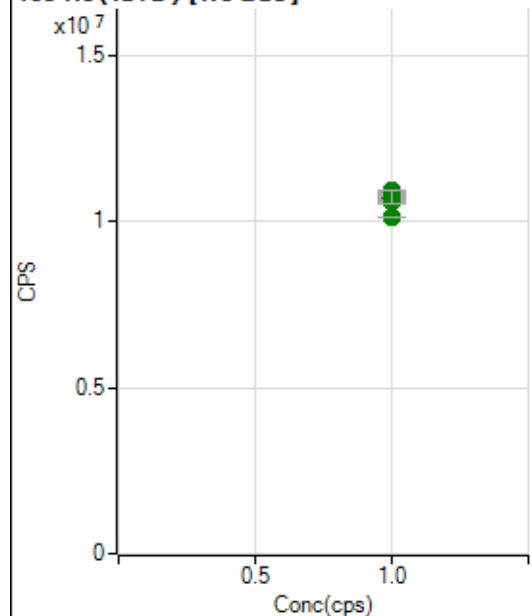
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		1771789.08		P	0.7
2	☐	1.000		1786489.33		P	0.3
3	☐	1.000		1798502.82		P	0.4
4	☐	1.000		1682653.70		P	0.7
5	☐	1.000		1648443.74		P	1.4
6	☐	1.000		1599046.56		P	2.2
7	☐	1.000		1572138.07		P	1.5
8	☐	1.000		1540851.51		P	0.5
9	☐	1.000		1534102.38		P	1.1

159 Tb (ISTD) [No Gas]

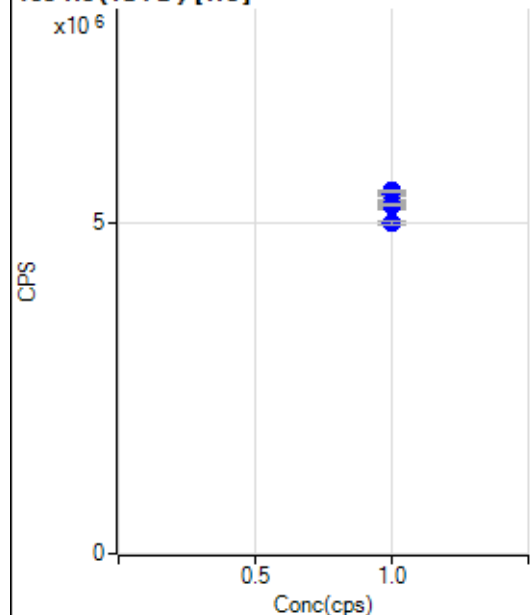
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		11324986.36		A	0.8
2	☐	1.000		10923453.73		A	1.3
3	☐	1.000		11248376.36		A	0.8
4	☐	1.000		10980384.00		A	0.8
5	☐	1.000		10914680.67		A	0.7
6	☐	1.000		11052828.45		A	0.4
7	☐	1.000		10834778.17		A	0.8
8	☐	1.000		10891022.27		A	4.8
9	☐	1.000		10291288.04		A	0.4

159 Tb (ISTD) [He]

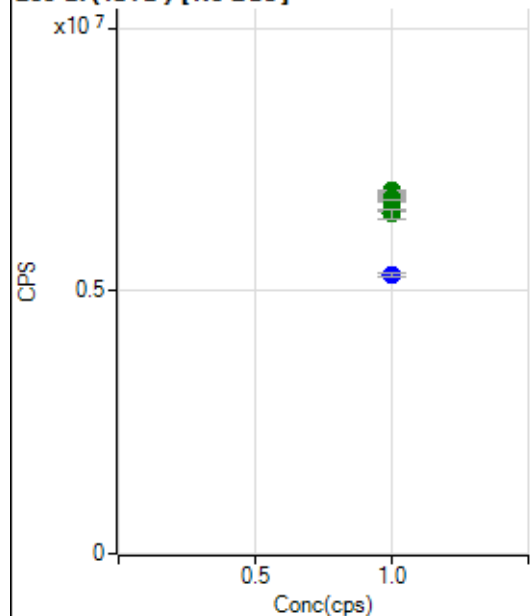
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		5365130.16		P	1.3
2	☐	1.000		5365232.91		P	0.8
3	☐	1.000		5423413.70		P	0.5
4	☐	1.000		5221101.41		P	0.9
5	☐	1.000		5239749.75		P	1.6
6	☐	1.000		5240650.83		P	1.7
7	☐	1.000		5214930.24		P	1.4
8	☐	1.000		5223981.07		P	0.6
9	☐	1.000		4960029.92		P	0.8

165 Ho (ISTD) [No Gas]

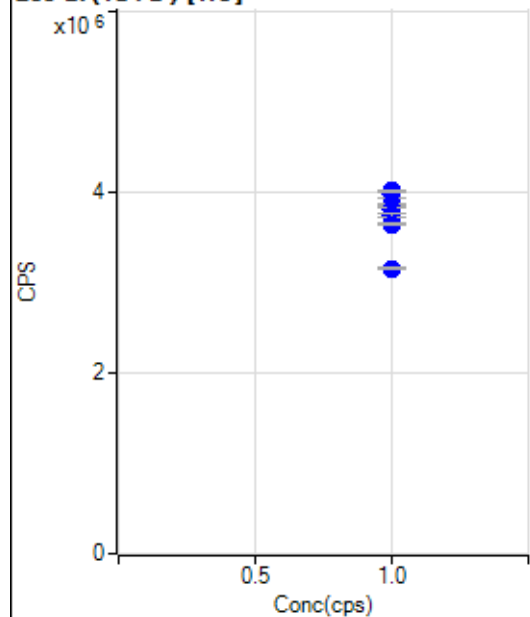
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		10927282.97		A	0.4
2	☐	1.000		10659166.56		A	0.8
3	☐	1.000		10873818.47		A	0.3
4	☐	1.000		10803588.52		A	0.6
5	☐	1.000		10674452.93		A	0.2
6	☐	1.000		10753489.83		A	0.5
7	☐	1.000		10612540.26		A	0.5
8	☐	1.000		10733106.49		A	3.6
9	☐	1.000		10153352.22		A	0.2

165 Ho (ISTD) [He]

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		5423779.89		P	0.4
2	☐	1.000		5459951.03		P	1.1
3	☐	1.000		5495666.38		P	0.5
4	☐	1.000		5280997.42		P	0.4
5	☐	1.000		5298285.30		P	1.0
6	☐	1.000		5283820.61		P	2.5
7	☐	1.000		5300997.66		P	2.0
8	☐	1.000		5278950.86		P	0.7
9	☐	1.000		5006882.63		P	0.8

209 Bi (ISTD) [No Gas]

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		6886312.47		A	0.9
2	☐	1.000		6735311.78		A	0.9
3	☐	1.000		6901612.74		A	0.4
4	☐	1.000		6784314.62		A	0.5
5	☐	1.000		6780401.71		A	0.5
6	☐	1.000		6731703.72		A	0.3
7	☐	1.000		6545875.67		A	0.6
8	☐	1.000		6465020.74		A	2.9
9	☐	1.000		5303853.39		P	0.8

209 Bi (ISTD) [He]

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		3977241.64		P	1.6
2	☐	1.000		3996948.17		P	0.1
3	☐	1.000		4014021.47		P	0.9
4	☐	1.000		3866245.43		P	0.3
5	☐	1.000		3860263.69		P	0.6
6	☐	1.000		3802952.55		P	1.8
7	☐	1.000		3749370.92		P	1.0
8	☐	1.000		3648243.45		P	0.8
9	☐	1.000		3152396.17		P	0.6