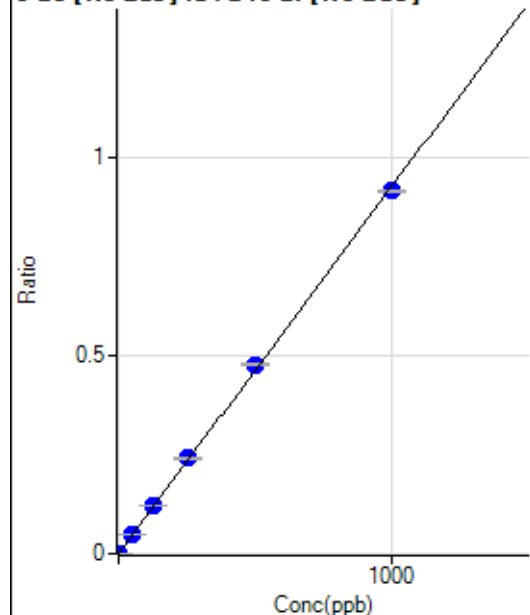


Batch Folder: D:\ICP-MS Data\P7072619-MS.b\
Analysis File: P7072619-MS.batch.bin
DA Date-Time: 2019-07-27 03:02:24
Calibration Title:
Calibration Method: External Calibration
VIS Interpolation Fit:

Level	Standard Data File	Sample Name	Acq. Date-Time
1	003CALB.d	S00	2019-07-26 15:27:50
2	004CAL.S.d	S01	2019-07-26 15:31:26
3	005CAL.S.d	S02	2019-07-26 15:35:53
4	006CAL.S.d	S03	2019-07-26 15:39:49
5	007CAL.S.d	S04	2019-07-26 15:43:58
6	008CAL.S.d	S05	2019-07-26 15:47:48
7	009CAL.S.d	S06	2019-07-26 15:51:36
8	010CAL.S.d	S07	2019-07-26 15:55:22
9	011CAL.S.d	S08	2019-07-26 15:59:08

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	67.78	0.0000	P	11.5
2	☐	0.100	0.083	248.90	0.0001	P	19.3
3	☐	1.000	1.021	2312.43	0.0010	P	4.1
4	☐	50.000	53.229	114821.75	0.0493	P	0.3
5	☐	125.000	132.024	277441.42	0.1221	P	0.3
6	☐	250.000	259.586	526958.41	0.2401	P	0.6
7	☐	500.000	515.154	1024172.43	0.4764	P	0.5
8	☐	1000.000	988.987	1979121.10	0.9146	P	0.3
9	☐			251.12	0.0001	P	33.1

$$y = 9.2472\text{E-}004 * x + 2.8608\text{E-}005$$

$$R = 0.9998$$

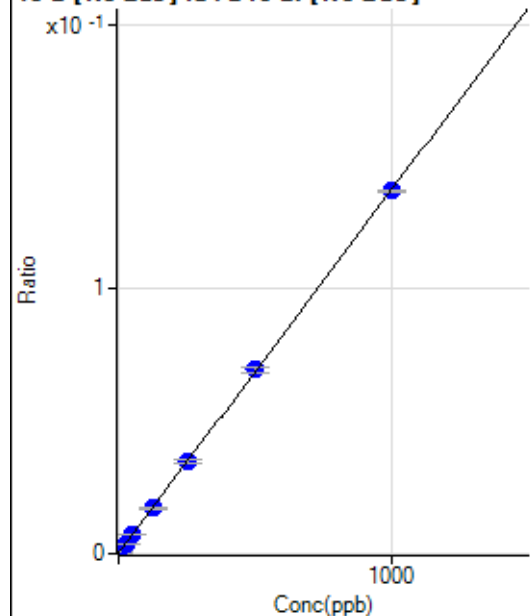
$$DL = 0.01064$$

$$BEC = 0.03094$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	430.58	0.0002	P	6.9
2	☐	2.500	2.302	1180.65	0.0005	P	8.4
3	☐	25.000	23.720	8183.13	0.0034	P	2.1
4	☐	50.000	50.731	16673.68	0.0072	P	2.7
5	☐	125.000	123.397	38934.48	0.0171	P	2.6
6	☐	250.000	253.182	76753.48	0.0350	P	3.4
7	☐	500.000	504.200	149310.53	0.0695	P	2.3
8	☐	1000.000	997.301	296927.18	0.1372	P	0.6
9	☐			15105.39	0.0073	P	3.4

$$y = 1.3740\text{E-}004 * x + 1.8174\text{E-}004$$

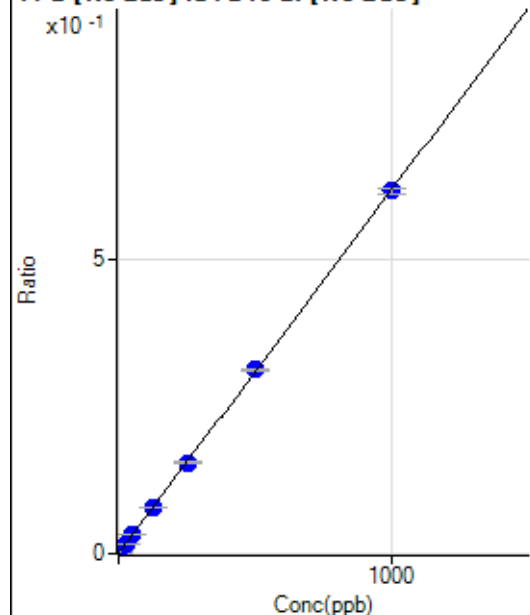
$$R = 1.0000$$

$$DL = 0.2736$$

$$BEC = 1.323$$

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	1764.07	0.0007	P	3.3
2	☐	2.500	2.580	5542.95	0.0023	P	5.4
3	☐	25.000	23.202	35838.00	0.0151	P	1.7
4	☐	50.000	50.244	74059.89	0.0318	P	1.3
5	☐	125.000	124.279	176021.17	0.0775	P	1.7
6	☐	250.000	249.989	340417.24	0.1551	P	1.7
7	☐	500.000	505.120	672004.39	0.3126	P	1.6
8	☐	1000.000	997.565	1334458.64	0.6166	P	1.5
9	☐			67898.23	0.0327	P	7.7

$$y = 6.1740\text{E-}004 * x + 7.4455\text{E-}004$$

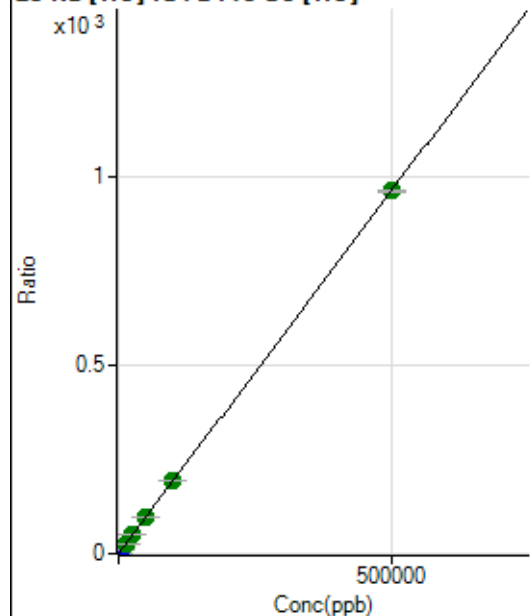
$$R = 1.0000$$

$$DL = 0.1181$$

$$BEC = 1.206$$

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	12658.66	0.0576	P	3.6
2	☐	50.000	52.478	34875.04	0.1586	P	0.3
3	☐	500.000	488.829	220430.75	0.9992	P	0.3
4	☐	5000.000	5056.836	2096290.63	9.7983	P	0.9
5	☐	12500.000	12717.646	5007614.22	24.5551	A	0.6
6	☐	25000.000	25559.293	9666586.24	49.2915	A	0.3
7	☐	50000.000	51427.073	19451171.61	99.1196	A	0.3
8	☐	100000.00	100281.17	39473784.22	193.2254	A	0.5
9	☐	500000.00	499767.09	198213333.6	962.7400	A	0.2

$$y = 0.0019 * x + 0.0576$$

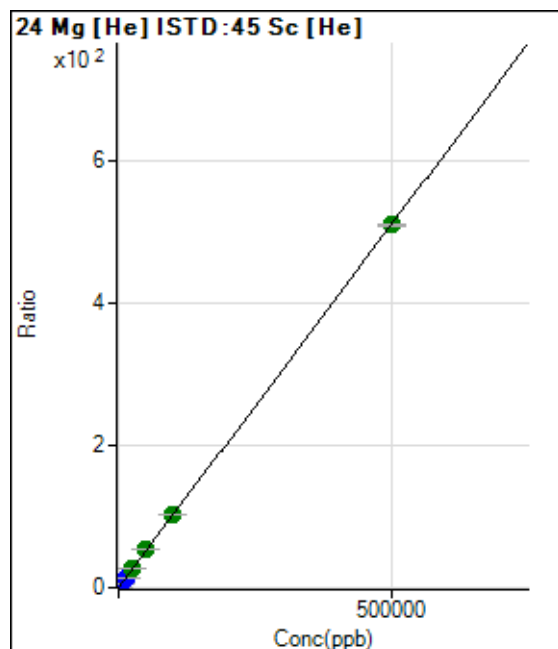
$$R = 1.0000$$

$$DL = 3.195$$

$$BEC = 29.88$$

Weight: <None>

Min Conc: 0



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	75.01	0.0003	P	29.7
2	☐	50.000	52.310	11802.32	0.0537	P	3.1
3	☐	500.000	512.803	115442.07	0.5233	P	0.7
4	☐	5000.000	5170.193	1128022.22	5.2726	P	2.0
5	☐	12500.000	12980.056	2699402.12	13.2367	P	0.5
6	☐	25000.000	25877.710	5175201.46	26.3890	A	0.2
7	☐	50000.000	52171.813	10440291.90	53.2022	A	0.1
8	☐	100000.00	101255.47	21093935.71	103.2550	A	0.5
9	☐	500000.00	499474.12	104859371.7	509.3361	A	0.6

$$y = 0.0010 * x + 3.4118E-004$$

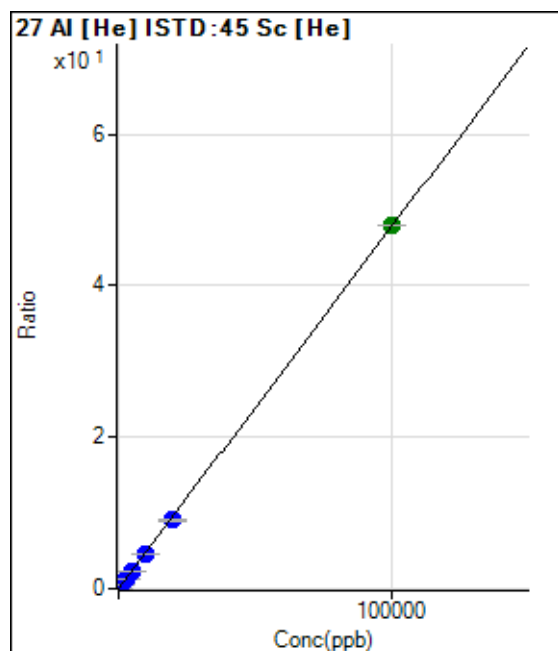
$$R = 1.0000$$

$$DL = 0.2977$$

$$BEC = 0.3346$$

Weight: <None>

Min Conc: 0



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	72.23	0.0003	P	44.0
2	☐	2.000	2.223	305.57	0.0014	P	9.0
3	☐	20.000	19.376	2114.12	0.0096	P	4.1
4	☐	1000.000	976.366	99832.49	0.4666	P	2.0
5	☐	2500.000	2462.329	239901.94	1.1763	P	0.7
6	☐	5000.000	4902.887	459275.80	2.3419	P	0.5
7	☐	10000.000	9768.674	915612.99	4.6658	P	0.2
8	☐	20000.000	18880.899	1842234.37	9.0178	P	0.6
9	☐	100000.00	100252.98	9857859.68	47.8809	A	0.1

$$y = 4.7760E-004 * x + 3.2861E-004$$

$$R = 0.9999$$

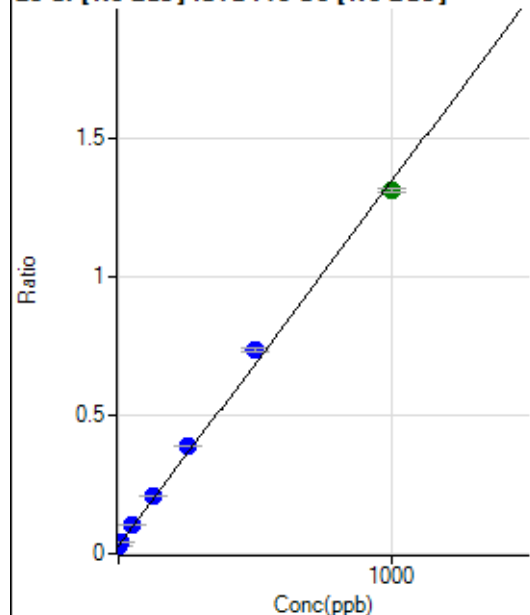
$$DL = 0.9072$$

$$BEC = 0.6881$$

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	154709.69	0.0285	P	0.2
2	☒	1.000		161819.89	0.0306	P	1.1
3	☐	10.000	9.610	217775.09	0.0411	P	0.8
4	☐	50.000	55.311	524056.68	0.1013	P	0.6
5	☐	125.000	136.562	1042797.30	0.2082	P	0.3
6	☐	250.000	272.969	1848416.79	0.3878	P	0.6
7	☐	500.000	536.584	3459690.70	0.7348	P	1.7
8	☐	1000.000	974.259	6381480.26	1.3109	A	1.0
9	☐			504804.05	0.1044	P	0.9

$$y = 0.0013 * x + 0.0285$$

$$R = 0.9986$$

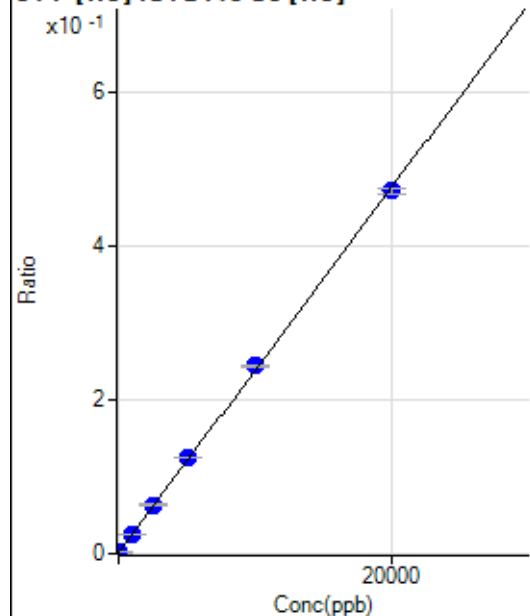
$$DL = 0.1614$$

$$BEC = 21.65$$

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	-29.168	122.23	0.0006	P	44.2
2	☒	0.000		161.12	0.0007	P	41.7
3	☐	0.000	29.168	427.80	0.0019	P	5.8
4	☐	1000.000	1007.471	5381.77	0.0252	P	6.2
5	☐	2500.000	2619.268	12931.13	0.0634	P	1.3
6	☐	5000.000	5225.809	24568.43	0.1253	P	1.3
7	☐	10000.000	10218.693	47836.40	0.2438	P	1.3
8	☐	20000.000	19818.919	96341.24	0.4716	P	1.6
9	☐			161.12	0.0008	P	10.8

$$y = 2.3732E-005 * x + 0.0012$$

$$R = 0.9998$$

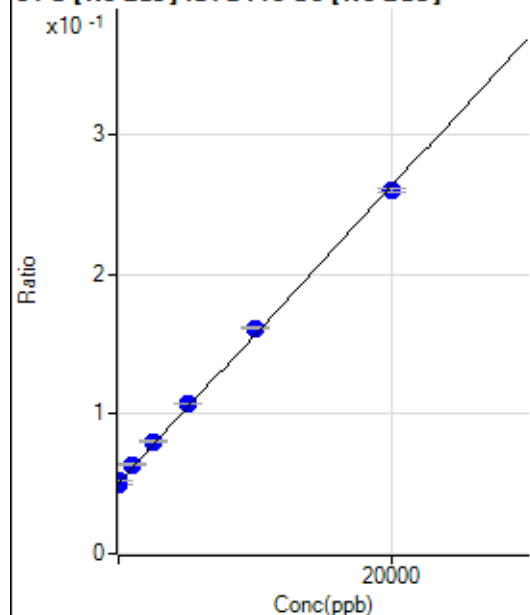
$$DL = 22.59$$

$$BEC = 52.57$$

Weight: <None>

Min Conc: 0

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



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	-115.050	269776.69	0.0497	P	0.5
2	☒	0.000		279983.19	0.0529	P	0.3
3	☐	0.000	115.050	275935.55	0.0521	P	1.0
4	☐	1000.000	1231.071	331002.73	0.0640	P	1.2
5	☐	2500.000	2781.870	402838.75	0.0804	P	0.9
6	☐	5000.000	5319.130	511864.49	0.1074	P	0.1
7	☐	10000.000	10421.661	760745.06	0.1616	P	1.2
8	☐	20000.000	19662.600	1264094.54	0.2597	P	1.0
9	☐			224436.38	0.0464	P	1.0

$$y = 1.0617\text{E-}005 * x + 0.0509$$

$$R = 0.9994$$

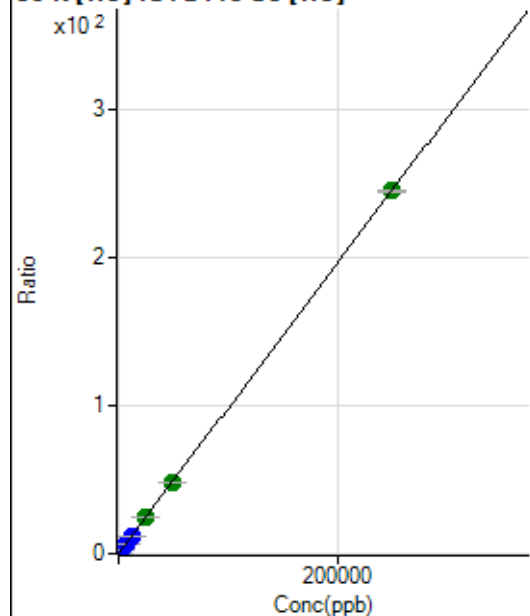
$$DL = 105.5$$

$$BEC = 4795$$

Weight: <None>

Min Conc: 0

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



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	14758.00	0.0671	P	2.2
2	☐	50.000	45.280	24518.13	0.1115	P	1.5
3	☐	500.000	491.175	121119.32	0.5490	P	0.2
4	☐	2500.000	2519.016	543125.00	2.5386	P	0.8
5	☐	6250.000	6254.264	1265088.64	6.2034	P	0.4
6	☐	12500.000	12409.991	2401036.03	12.2431	P	0.1
7	☐	25000.000	25143.946	4854351.97	24.7369	A	0.3
8	☐	50000.000	49270.507	9889149.35	48.4085	A	0.9
9	☐	250000.00	250135.72	50542172.66	245.4859	A	0.2

$$y = 9.8114\text{E-}004 * x + 0.0671$$

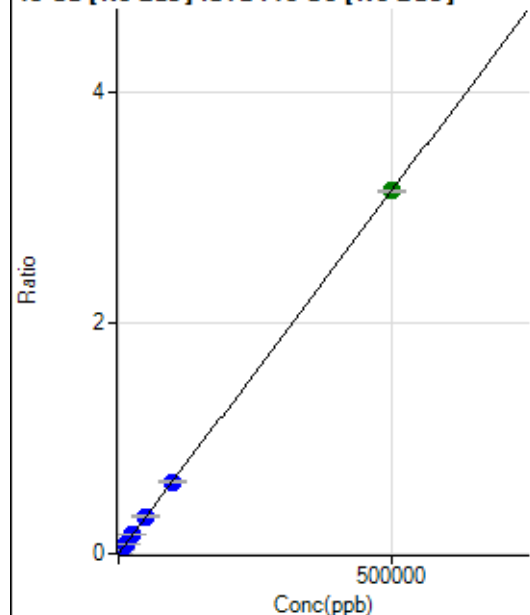
$$R = 1.0000$$

$$DL = 4.507$$

$$BEC = 68.39$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	291.68	0.0001	P	27.1
2	☐	50.000	61.275	2322.52	0.0004	P	9.2
3	☐	500.000	485.924	16454.28	0.0031	P	1.3
4	☐	5000.000	5197.512	169328.31	0.0327	P	0.3
5	☐	12500.000	12907.158	406626.47	0.0812	P	0.4
6	☐	25000.000	25916.437	776907.53	0.1630	P	0.7
7	☐	50000.000	51326.962	1519637.58	0.3228	P	2.0
8	☐	100000.00	98947.234	3028716.95	0.6221	P	1.0
9	☐	500000.00	500019.89	15204768.92	3.1437	A	0.3

$$y = 6.2871\text{E-}006 * x + 5.3710\text{E-}005$$

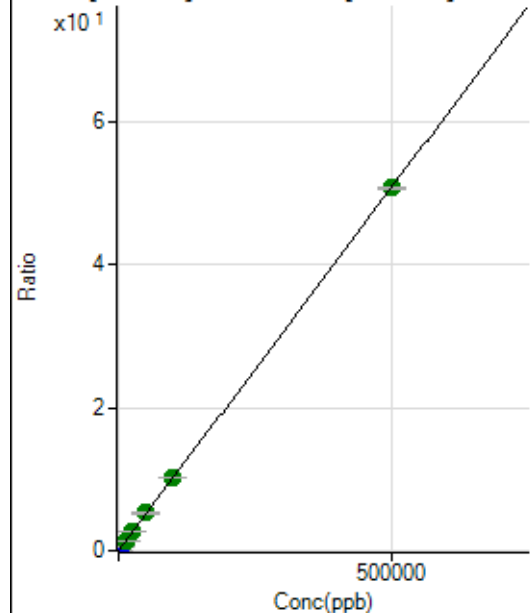
$$R = 1.0000$$

$$DL = 6.934$$

$$BEC = 8.543$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	7155.02	0.0013	P	1.7
2	☐	50.000	62.175	40334.05	0.0076	P	0.9
3	☐	500.000	494.194	272202.36	0.0514	P	0.6
4	☐	5000.000	5168.049	2717825.78	0.5254	P	0.4
5	☐	12500.000	12926.802	6570240.34	1.3121	A	0.9
6	☐	25000.000	26122.449	12631935.18	2.6501	A	0.3
7	☐	50000.000	52044.426	24853262.19	5.2786	A	2.0
8	☐	100000.00	101012.66	49869011.88	10.2439	A	0.9
9	☐	500000.00	499524.55	244978677.7	50.6525	A	0.3

$$y = 1.0140\text{E-}004 * x + 0.0013$$

$$R = 1.0000$$

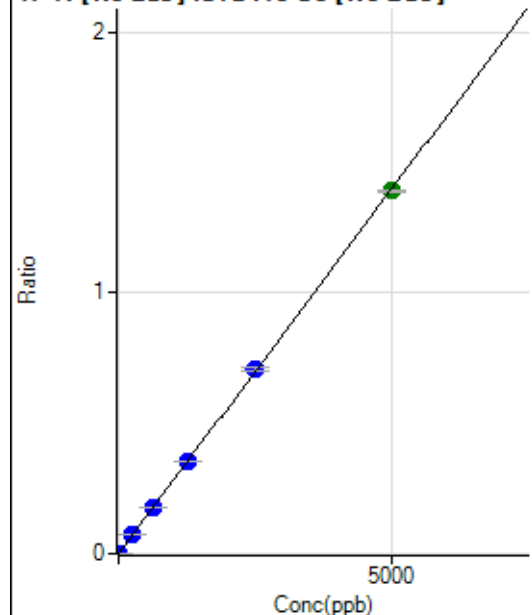
$$DL = 0.6612$$

$$BEC = 13$$

Weight: <None>

Min Conc: 0

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



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	61.12	0.0000	P	7.7
2	☐	0.500	0.597	941.74	0.0002	P	4.8
3	☐	5.000	5.095	7593.96	0.0014	P	1.5
4	☐	250.000	256.131	370242.99	0.0716	P	0.9
5	☐	625.000	635.666	889325.55	0.1776	P	0.1
6	☐	1250.000	1272.606	1694690.36	0.3555	P	0.5
7	☐	2500.000	2529.327	3327268.52	0.7066	P	1.5
8	☐	5000.000	4978.045	6770257.97	1.3907	A	0.7
9	☐			2200.26	0.0005	P	10.5

$$y = 2.7937E-004 * x + 1.1256E-005$$

$$R = 1.0000$$

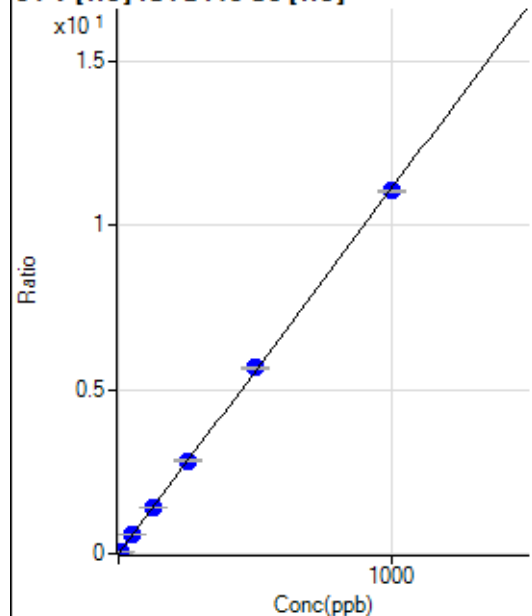
$$DL = 0.009275$$

$$BEC = 0.04029$$

Weight: <None>

Min Conc: 0

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



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	10.00	0.0000	P	57.8
2	☐	0.500	0.492	1213.40	0.0055	P	4.0
3	☐	5.000	5.189	12751.25	0.0578	P	1.1
4	☐	50.000	51.258	122056.66	0.5705	P	0.9
5	☐	125.000	128.513	291682.59	1.4303	P	0.4
6	☐	250.000	255.085	556766.50	2.8389	P	0.6
7	☐	500.000	509.112	1111896.89	5.6661	P	0.4
8	☐	1000.000	993.670	2259205.96	11.0588	P	0.3
9	☐			297.79	0.0014	P	13.2

$$y = 0.0111 * x + 4.5480E-005$$

$$R = 0.9999$$

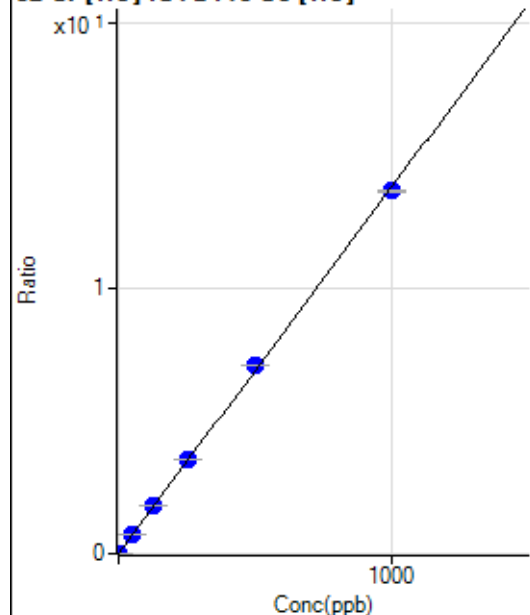
$$DL = 0.00709$$

$$BEC = 0.004087$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	786.70	0.0036	P	3.0
2	☐	0.200	0.202	1400.09	0.0064	P	5.8
3	☐	2.000	2.022	6955.09	0.0315	P	0.4
4	☐	50.000	52.201	155148.87	0.7252	P	1.8
5	☐	125.000	130.245	367907.13	1.8041	P	0.3
6	☐	250.000	258.380	701171.08	3.5754	P	0.3
7	☐	500.000	513.739	1394364.46	7.1054	P	0.5
8	☐	1000.000	990.269	2797281.04	13.6929	P	0.7
9	☐			41241.12	0.2003	P	0.7

$$y = 0.0138 * x + 0.0036$$

$$R = 0.9998$$

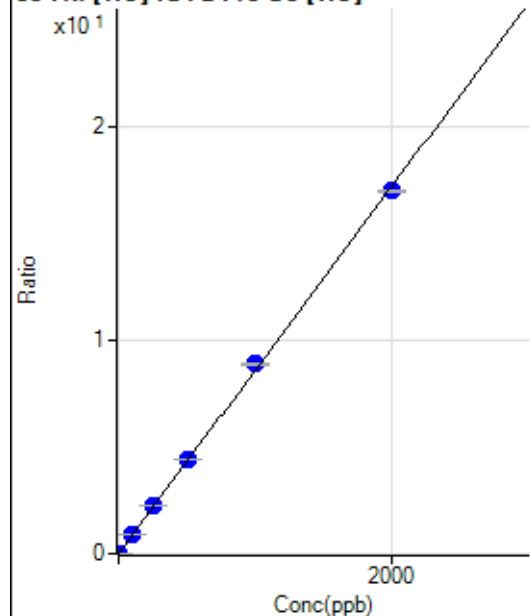
$$DL = 0.02338$$

$$BEC = 0.2587$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	65.56	0.0003	P	23.7
2	☒	0.100		313.34	0.0014	P	17.7
3	☐	1.000	1.015	1987.95	0.0090	P	2.0
4	☐	100.000	103.703	190596.46	0.8909	P	1.5
5	☐	250.000	260.688	456619.42	2.2390	P	0.3
6	☐	500.000	516.678	870203.74	4.4374	P	0.5
7	☐	1000.000	1032.895	1740743.20	8.8705	P	0.3
8	☐	2000.000	1977.862	3469897.34	16.9856	P	0.9
9	☐			12993.66	0.0631	P	2.7

$$y = 0.0086 * x + 2.9818E-004$$

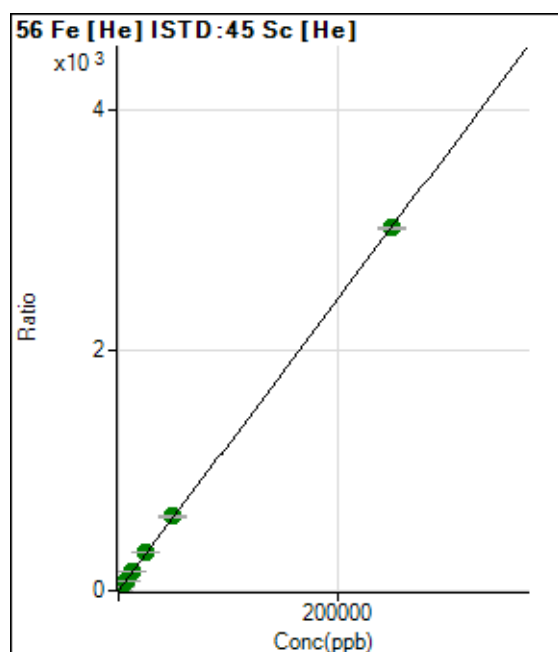
$$R = 0.9998$$

$$DL = 0.02474$$

$$BEC = 0.03472$$

Weight: <None>

Min Conc: 0



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	3011.50	0.0137	P	5.0
2	☐	5.000	5.486	17622.11	0.0802	P	3.1
3	☐	50.000	53.021	144740.91	0.6561	P	0.7
4	☐	2500.000	2623.061	6801907.27	31.7934	A	2.1
5	☐	6250.000	6620.197	16359818.07	80.2208	A	0.7
6	☐	12500.000	13128.305	31195741.21	159.0698	A	0.2
7	☐	25000.000	26345.007	62639081.03	319.1970	A	0.4
8	☐	50000.000	51085.653	126441588.9	618.9426	A	0.8
9	☐	250000.00	249606.46	622624421.3	3,024.124	A	0.2

$$y = 0.0121 * x + 0.0137$$

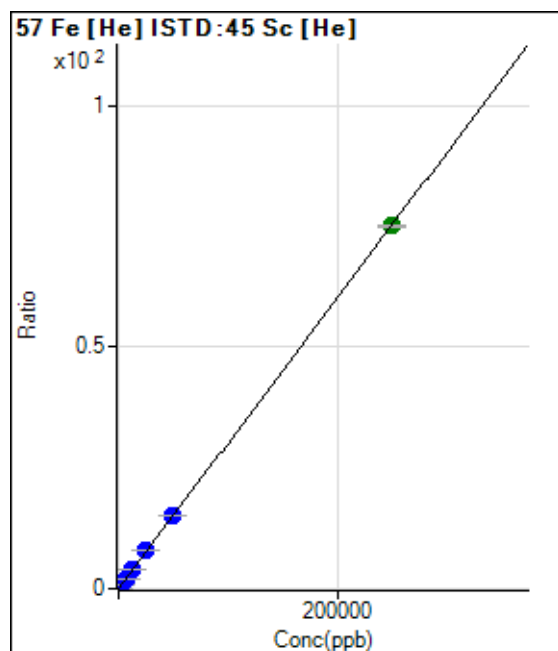
$$R = 1.0000$$

$$DL = 0.1695$$

$$BEC = 1.13$$

Weight: <None>

Min Conc: 0



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	166.67	0.0008	P	14.8
2	☐	5.000	5.745	546.32	0.0025	P	7.5
3	☐	50.000	56.083	3887.67	0.0176	P	2.1
4	☐	2500.000	2631.170	169437.16	0.7920	P	2.3
5	☐	6250.000	6647.638	407814.34	1.9998	P	0.5
6	☐	12500.000	13120.803	773926.56	3.9463	P	0.4
7	☐	25000.000	26078.220	1539026.84	7.8427	P	0.5
8	☐	50000.000	50021.163	3072978.42	15.0426	P	0.9
9	☐	250000.00	249845.65	15468678.36	75.1317	A	0.6

$$y = 3.0071E-004 * x + 7.5796E-004$$

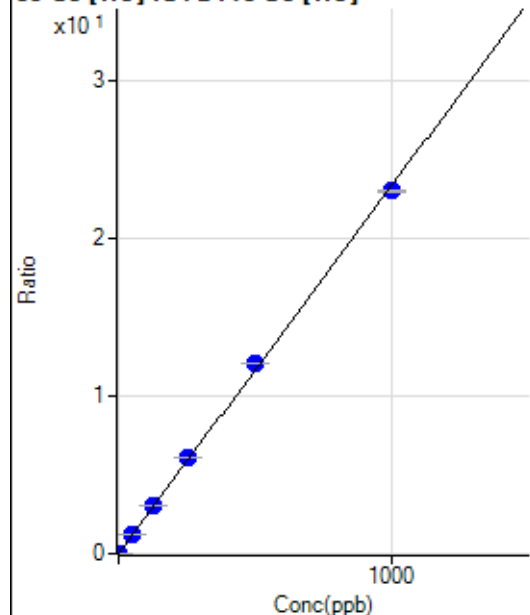
$$R = 1.0000$$

$$DL = 1.117$$

$$BEC = 2.521$$

Weight: <None>

Min Conc: 0

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

	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	111.11	0.0005	P	27.5
2	☐	0.100	0.103	638.92	0.0029	P	7.0
3	☐	1.000	1.027	5401.08	0.0245	P	3.2
4	☐	50.000	53.122	265519.38	1.2411	P	2.5
5	☐	125.000	132.610	631653.50	3.0974	P	0.5
6	☐	250.000	261.466	1197608.10	6.1067	P	0.1
7	☐	500.000	518.705	2377216.14	12.1141	P	0.5
8	☐	1000.000	986.674	4707351.70	23.0428	P	0.7
9	☐			56816.37	0.2760	P	1.9

$$y = 0.0234 * x + 5.0540E-004$$

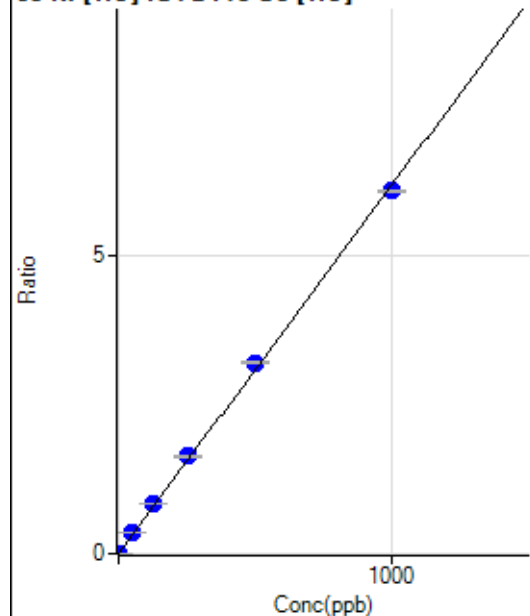
$$R = 0.9997$$

$$DL = 0.01784$$

$$BEC = 0.02164$$

Weight: <None>

Min Conc: 0

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

	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	35.56	0.0002	P	33.2
2	☐	0.100	0.106	178.89	0.0008	P	3.1
3	☐	1.000	1.102	1533.44	0.0070	P	6.2
4	☐	50.000	55.790	73549.03	0.3438	P	1.5
5	☐	125.000	133.953	168282.51	0.8252	P	0.5
6	☐	250.000	264.150	319108.15	1.6271	P	0.6
7	☐	500.000	519.097	627444.70	3.1974	P	0.5
8	☐	1000.000	985.505	1240036.56	6.0700	P	0.6
9	☐			21064.23	0.1023	P	1.6

$$y = 0.0062 * x + 1.6174E-004$$

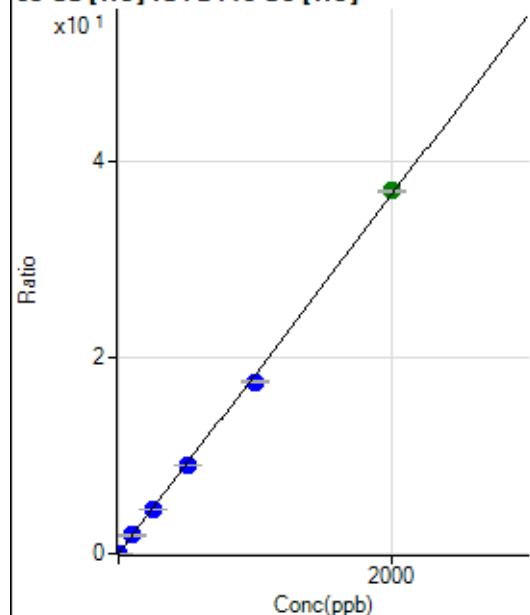
$$R = 0.9996$$

$$DL = 0.02612$$

$$BEC = 0.02626$$

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	512.24	0.0023	P	12.5
2	☐	0.200	0.223	1405.65	0.0064	P	6.2
3	☐	2.000	1.903	8182.41	0.0371	P	2.7
4	☐	100.000	102.777	402024.74	1.8791	P	2.1
5	☐	250.000	250.667	933950.04	4.5797	P	0.4
6	☐	500.000	490.275	1756243.22	8.9552	P	0.1
7	☐	1000.000	959.211	3437776.48	17.5183	P	0.2
8	☐	2000.000	2022.604	7545761.48	36.9368	A	0.5
9	☐			8600.45	0.0418	P	1.1

$$y = 0.0183 * x + 0.0023$$

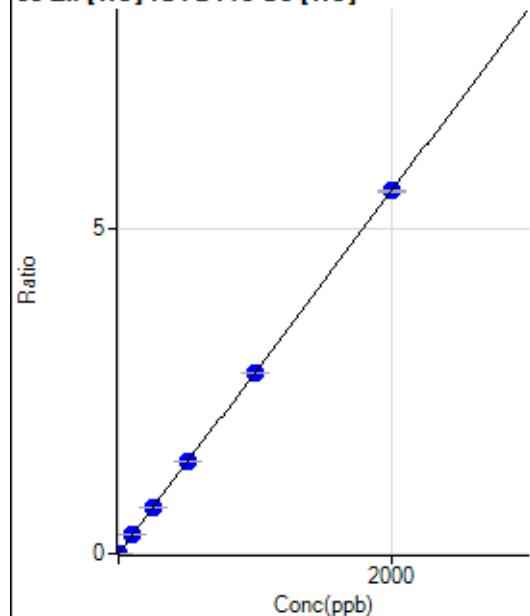
$$R = 0.9997$$

$$DL = 0.04787$$

$$BEC = 0.1275$$

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	191.12	0.0009	P	22.0
2	☒	0.200		413.35	0.0019	P	10.8
3	☐	2.000	2.125	1497.89	0.0068	P	6.7
4	☐	100.000	102.012	60979.19	0.2850	P	1.7
5	☐	250.000	257.837	146642.15	0.7191	P	0.5
6	☐	500.000	504.384	275707.96	1.4058	P	0.3
7	☐	1000.000	995.064	544093.16	2.7726	P	0.5
8	☐	2000.000	2000.292	1138452.67	5.5727	P	0.7
9	☐			9675.57	0.0470	P	0.7

$$y = 0.0028 * x + 8.6903E-004$$

$$R = 1.0000$$

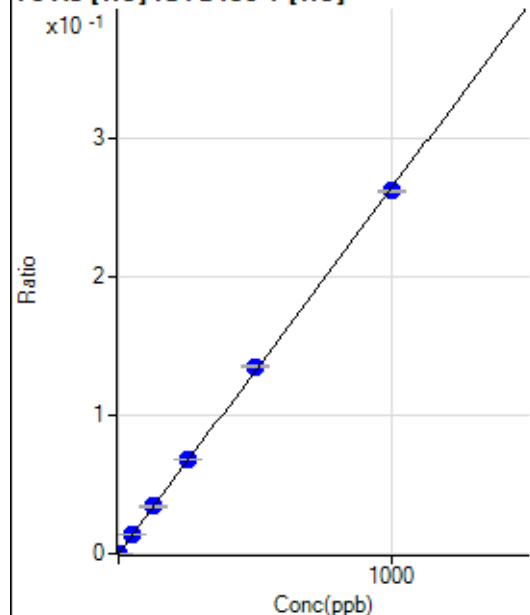
$$DL = 0.2059$$

$$BEC = 0.312$$

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	8.02	0.0000	P	48.1
2	☐	0.100	0.102	43.83	0.0000	P	4.5
3	☐	1.000	0.969	348.16	0.0003	P	5.6
4	☐	50.000	51.458	17679.34	0.0136	P	1.6
5	☐	125.000	129.366	42710.66	0.0342	P	1.4
6	☐	250.000	256.971	81614.77	0.0678	P	0.4
7	☐	500.000	510.359	163323.08	0.1347	P	1.1
8	☐	1000.000	992.459	324160.63	0.2620	P	0.8
9	☐			414.21	0.0003	P	5.7

$$y = 2.6396E-004 * x + 6.0167E-006$$

$$R = 0.9999$$

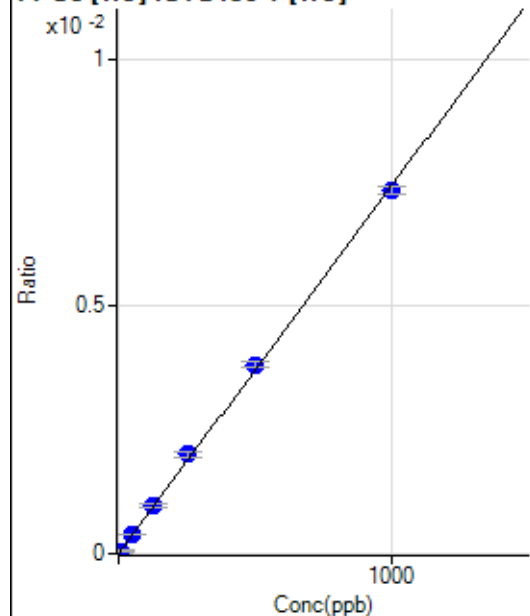
$$DL = 0.03292$$

$$BEC = 0.02279$$

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		10.00	0.0000	P	57.4
3	☐	5.000	7.306	72.22	0.0001	P	15.6
4	☐	50.000	51.269	495.57	0.0004	P	1.2
5	☐	125.000	130.153	1208.97	0.0010	P	8.0
6	☐	250.000	270.209	2414.69	0.0020	P	6.1
7	☐	500.000	514.968	4638.60	0.0038	P	2.5
8	☐	1000.000	986.745	9071.86	0.0073	P	2.0
9	☐			2.22	0.0000	P	86.6

$$y = 7.4301E-006 * x + 0.0000E+000$$

$$R = 0.9996$$

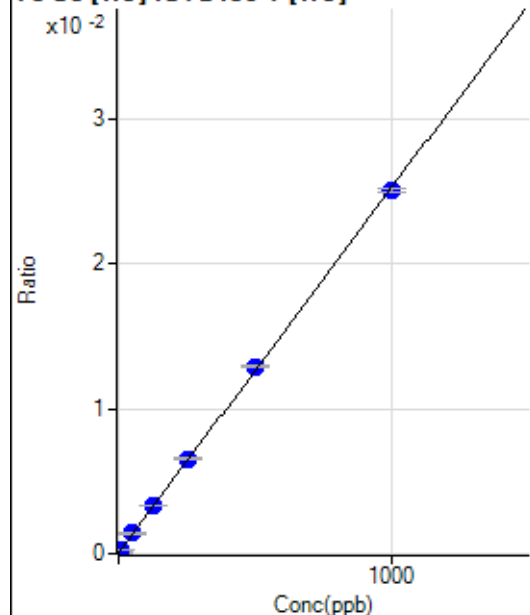
$$DL = 0$$

$$BEC = 0$$

Weight: <None>

Min Conc: 0

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



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	65.44	0.0000	P	27.7
2	☒	0.500		85.19	0.0001	P	15.4
3	☐	5.000	6.632	287.05	0.0002	P	11.4
4	☐	50.000	53.915	1827.91	0.0014	P	6.2
5	☐	125.000	131.057	4184.59	0.0033	P	1.7
6	☐	250.000	257.482	7852.18	0.0065	P	1.3
7	☐	500.000	511.184	15649.89	0.0129	P	1.3
8	☐	1000.000	991.577	30926.21	0.0250	P	1.1
9	☐			75.31	0.0001	P	9.1

$$y = 2.5157\text{E-}005 * x + 4.9043\text{E-}005$$

$$R = 0.9999$$

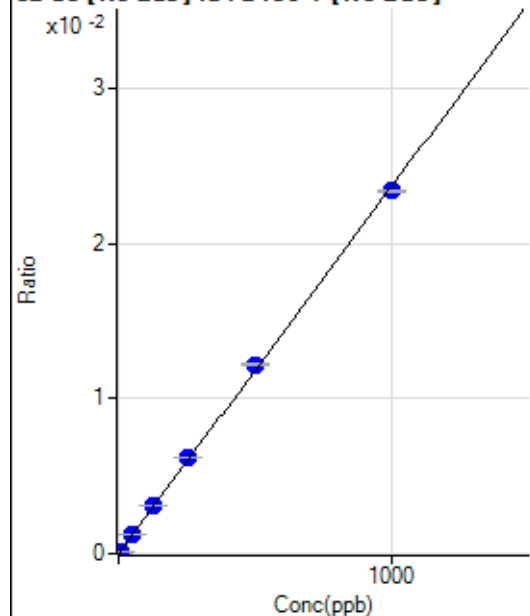
$$DL = 1.62$$

$$BEC = 1.95$$

Weight: <None>

Min Conc: 0

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



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	17.28	0.0000	P	159.
2	☐	0.500	0.531	136.33	0.0000	P	36.8
3	☐	5.000	5.570	1275.32	0.0001	P	1.3
4	☐	50.000	53.408	11783.27	0.0013	P	1.6
5	☐	125.000	131.693	28380.30	0.0031	P	0.3
6	☐	250.000	260.875	54918.22	0.0062	P	0.8
7	☐	500.000	515.475	107814.09	0.0122	P	1.2
8	☐	1000.000	988.534	209382.88	0.0234	P	0.5
9	☐			111.73	0.0000	P	38.9

$$y = 2.3653\text{E-}005 * x + 1.7703\text{E-}006$$

$$R = 0.9998$$

$$DL = 0.3571$$

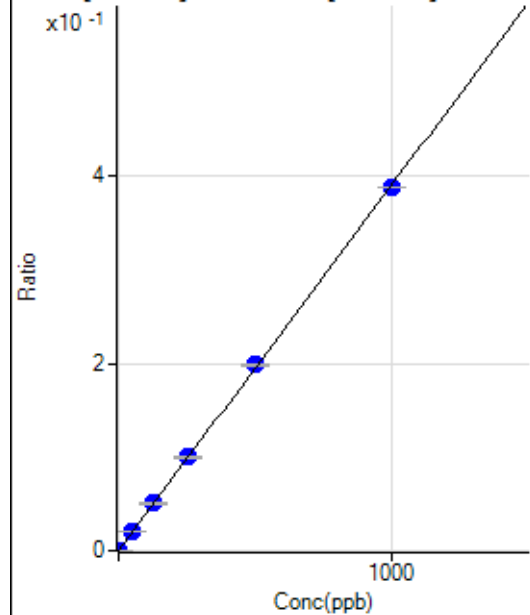
$$BEC = 0.07484$$

Weight: <None>

Min Conc: 0

83 Kr [No Gas] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			333.34		P	6.6
2	☐			345.57		P	11.1
3	☐			328.90		P	3.8
4	☐			358.90		P	9.3
5	☐			315.56		P	15.4
6	☐			286.68		P	6.2
7	☐			307.79		P	22.6
8	☐			341.12		P	24.4
9	☐			372.24		P	1.4

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	502.81	0.0001	P	15.6
2	☐	0.100	0.122	941.75	0.0001	P	20.2
3	☐	1.000	1.044	4381.46	0.0005	P	2.5
4	☐	50.000	52.200	190216.08	0.0204	P	0.7
5	☐	125.000	128.939	458627.88	0.0504	P	0.8
6	☐	250.000	256.384	890643.46	0.1001	P	1.0
7	☐	500.000	509.717	1759009.94	0.1990	P	1.2
8	☐	1000.000	992.943	3469895.09	0.3875	P	0.2
9	☐			14685.94	0.0017	P	1.7

$$y = 3.9023\text{E-}004 * x + 5.1369\text{E-}005$$

$$R = 0.9999$$

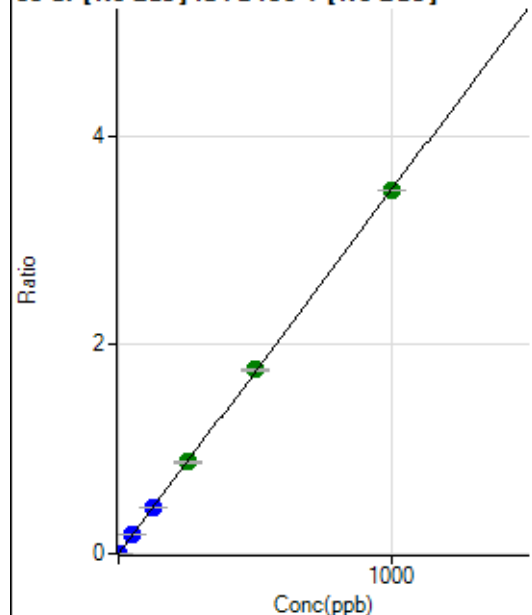
$$DL = 0.06174$$

$$BEC = 0.1316$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	194.45	0.0000	P	17.6
2	☐	0.100	0.115	4003.52	0.0004	P	3.0
3	☐	1.000	0.976	32666.08	0.0034	P	0.6
4	☐	50.000	50.797	1648847.76	0.1770	P	0.5
5	☐	125.000	125.244	3973942.54	0.4364	P	0.4
6	☐	250.000	251.581	7799836.46	0.8766	A	0.6
7	☐	500.000	504.960	15556193.40	1.7595	A	1.2
8	☐	1000.000	997.054	31107669.79	3.4742	A	0.2
9	☐			123645.64	0.0143	P	0.4

$$y = 0.0035 * x + 1.9875E-005$$

$$R = 1.0000$$

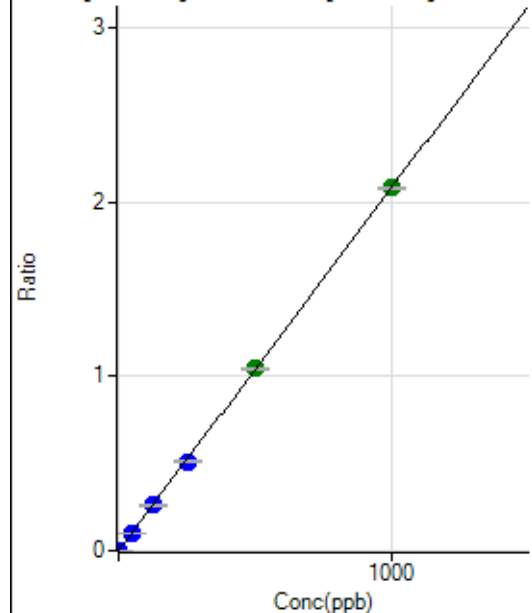
$$DL = 0.003012$$

$$BEC = 0.005704$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	675.04	0.0001	P	7.7
2	☐	0.100	0.086	2353.08	0.0002	P	6.5
3	☐	1.000	0.902	18573.86	0.0019	P	2.5
4	☐	50.000	49.779	965089.73	0.1036	P	0.5
5	☐	125.000	124.744	2363257.15	0.2595	P	0.6
6	☐	250.000	245.425	4542639.38	0.5106	P	1.0
7	☐	500.000	502.918	9249231.11	1.0462	A	1.2
8	☐	1000.000	999.728	18620158.40	2.0795	A	0.4
9	☐			4770.45	0.0006	P	1.7

$$y = 0.0021 * x + 6.8972E-005$$

$$R = 1.0000$$

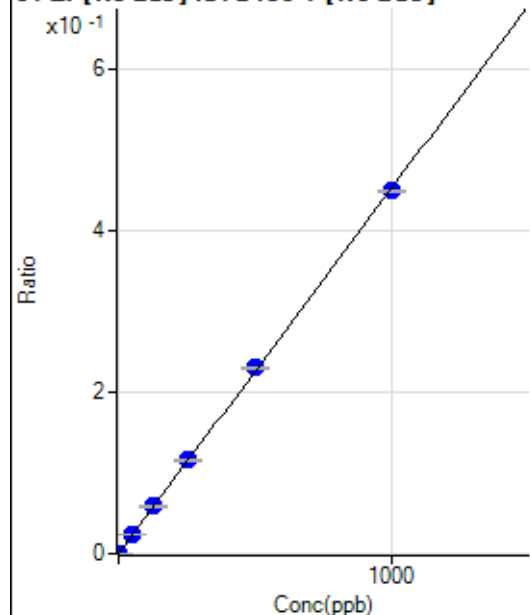
$$DL = 0.007671$$

$$BEC = 0.03316$$

Weight: <None>

Min Conc: 0

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



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	183.34	0.0000	P	22.4
2	☐	0.100	0.074	494.48	0.0001	P	7.3
3	☐	1.000	0.931	4195.25	0.0004	P	6.2
4	☐	50.000	51.265	215875.09	0.0232	P	0.4
5	☐	125.000	129.004	530796.25	0.0583	P	0.2
6	☐	250.000	256.132	1029614.89	0.1157	P	0.7
7	☐	500.000	509.327	2034284.77	0.2301	P	1.2
8	☐	1000.000	993.240	4017559.46	0.4487	P	0.3
9	☐			1158.43	0.0001	P	9.8

$$y = 4.5172\text{E-}004 * x + 1.8724\text{E-}005$$

$$R = 0.9999$$

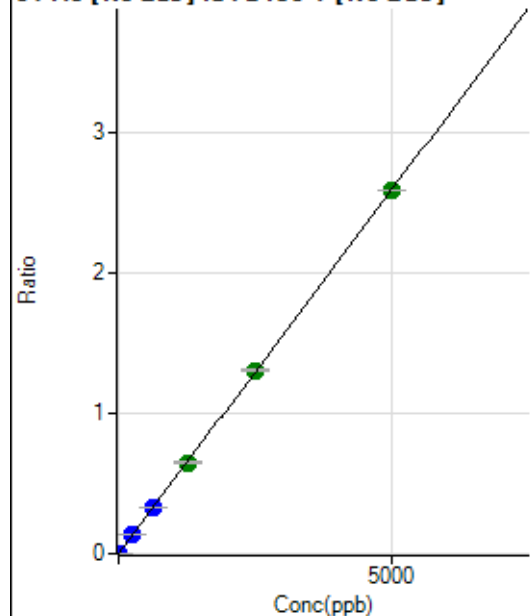
$$DL = 0.02791$$

$$BEC = 0.04145$$

Weight: <None>

Min Conc: 0

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



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	277.79	0.0000	P	16.3
2	☐	0.500	0.460	2539.25	0.0003	P	6.2
3	☐	5.000	4.700	23562.02	0.0025	P	1.4
4	☐	250.000	251.350	1215017.42	0.1304	P	0.0
5	☐	625.000	628.840	2971213.46	0.3263	P	0.5
6	☐	1250.000	1251.486	5777663.19	0.6494	A	0.9
7	☐	2500.000	2518.918	11554961.37	1.3070	A	1.4
8	☐	5000.000	4989.622	23181065.27	2.5889	A	0.1
9	☐			10448.69	0.0012	P	5.4

$$y = 5.1885\text{E-}004 * x + 2.8375\text{E-}005$$

$$R = 1.0000$$

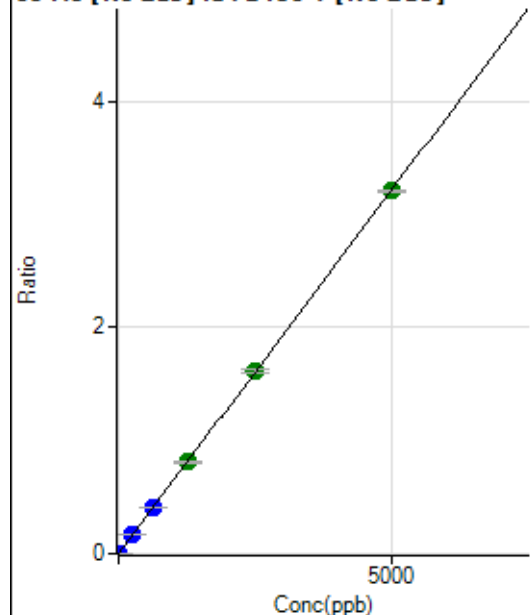
$$DL = 0.0267$$

$$BEC = 0.05469$$

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	83.34	0.0000	P	46.0
2	☐	0.500	0.484	3036.57	0.0003	P	2.3
3	☐	5.000	4.787	29473.21	0.0031	P	0.2
4	☐	250.000	252.236	1510277.43	0.1621	P	0.3
5	☐	625.000	629.039	3681854.03	0.4043	P	0.3
6	☐	1250.000	1256.697	7187239.66	0.8078	A	1.2
7	☐	2500.000	2514.646	14290697.54	1.6164	A	1.3
8	☐	5000.000	4990.386	28721796.47	3.2078	A	0.3
9	☐			14989.08	0.0017	P	2.8

$$y = 6.4279\text{E-}004 * x + 8.5192\text{E-}006$$

$$R = 1.0000$$

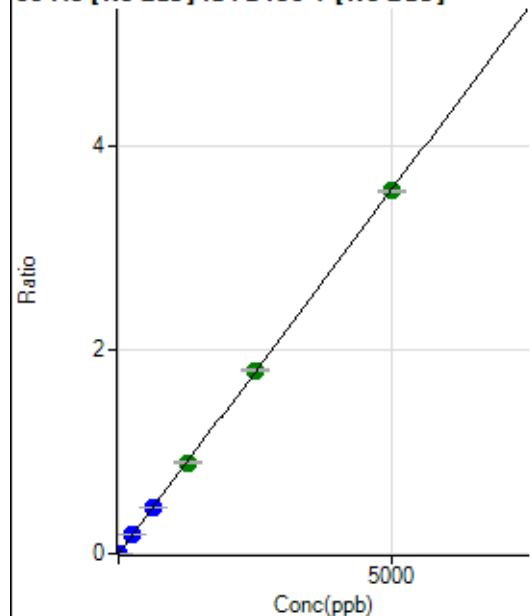
$$DL = 0.01829$$

$$BEC = 0.01325$$

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	225.01	0.0000	P	18.3
2	☐	0.500	0.466	3378.33	0.0004	P	5.7
3	☐	5.000	4.724	32404.61	0.0034	P	3.0
4	☐	250.000	251.575	1671616.88	0.1795	P	0.3
5	☐	625.000	629.197	4086668.97	0.4488	P	0.1
6	☐	1250.000	1253.187	7953163.20	0.8939	A	0.8
7	☐	2500.000	2522.504	15907062.33	1.7992	A	1.3
8	☐	5000.000	4987.348	31852479.88	3.5573	A	0.5
9	☐			22796.83	0.0026	P	4.1

$$y = 7.1326\text{E-}004 * x + 2.2985\text{E-}005$$

$$R = 1.0000$$

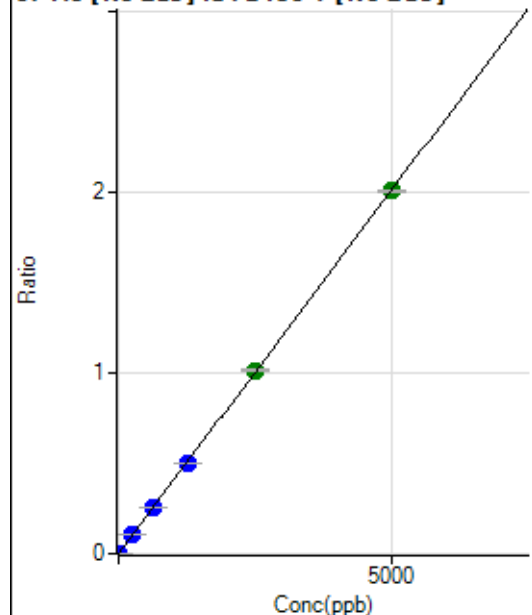
$$DL = 0.01773$$

$$BEC = 0.03222$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	77.78	0.0000	P	6.5
2	☐	0.500	0.492	1958.57	0.0002	P	5.3
3	☐	5.000	4.631	17873.04	0.0019	P	1.9
4	☐	250.000	252.256	945474.80	0.1015	P	0.4
5	☐	625.000	629.438	2306139.59	0.2533	P	0.0
6	☐	1250.000	1237.504	4430269.41	0.4979	P	0.5
7	☐	2500.000	2523.313	8976290.22	1.0153	A	1.0
8	☐	5000.000	4990.800	17980365.16	2.0081	A	0.5
9	☐			9064.37	0.0010	P	4.0

$$y = 4.0235E-004 * x + 7.9481E-006$$

$$R = 1.0000$$

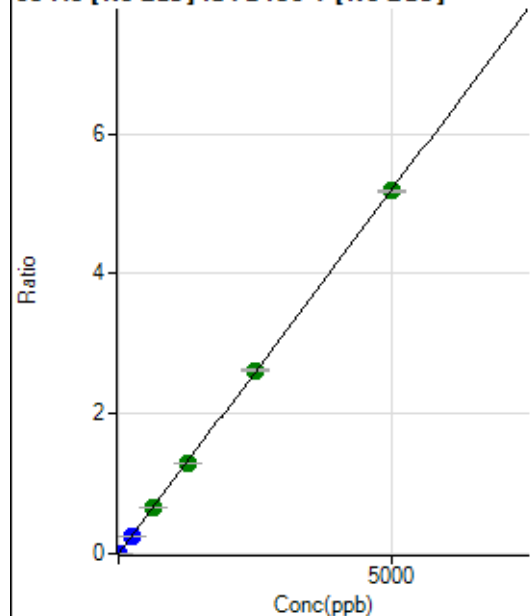
$$DL = 0.00385$$

$$BEC = 0.01975$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	169.45	0.0000	P	17.1
2	☐	0.500	0.472	4826.03	0.0005	P	3.2
3	☐	5.000	4.727	47037.06	0.0049	P	0.7
4	☐	250.000	250.593	2423584.52	0.2602	P	0.2
5	☐	625.000	627.729	5934587.33	0.6517	A	0.4
6	☐	1250.000	1252.036	11566215.88	1.2999	A	0.3
7	☐	2500.000	2517.470	23109316.32	2.6137	A	0.8
8	☐	5000.000	4990.386	46393007.98	5.1812	A	0.3
9	☐			23225.60	0.0027	P	5.2

$$y = 0.0010 * x + 1.7310E-005$$

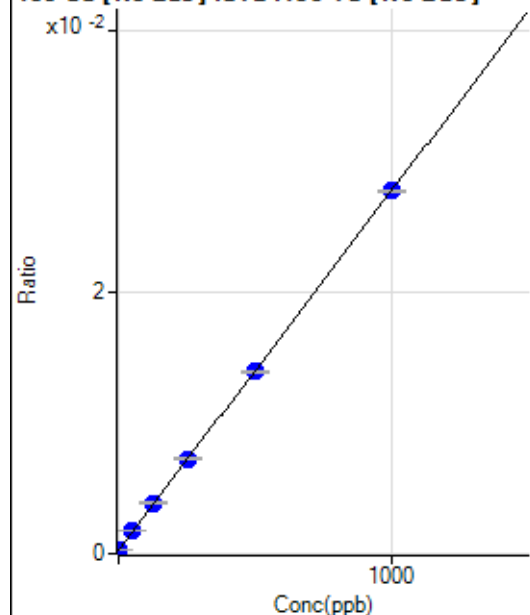
$$R = 1.0000$$

$$DL = 0.008555$$

$$BEC = 0.01667$$

Weight: <None>

Min Conc: 0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	3489.48	0.0003	P	2.6
2	☒	0.100		3556.17	0.0003	P	2.2
3	☐	1.000	2.281	4123.03	0.0003	P	5.8
4	☐	50.000	54.761	22123.74	0.0018	P	1.1
5	☐	125.000	131.843	48615.20	0.0039	P	0.5
6	☐	250.000	254.712	90377.13	0.0073	P	1.2
7	☐	500.000	496.159	173489.07	0.0139	P	0.8
8	☐	1000.000	999.648	351269.14	0.0278	P	0.2
9	☐			3458.91	0.0003	P	0.2

$$y = 2.7511\text{E-}005 * x + 2.6450\text{E-}004$$

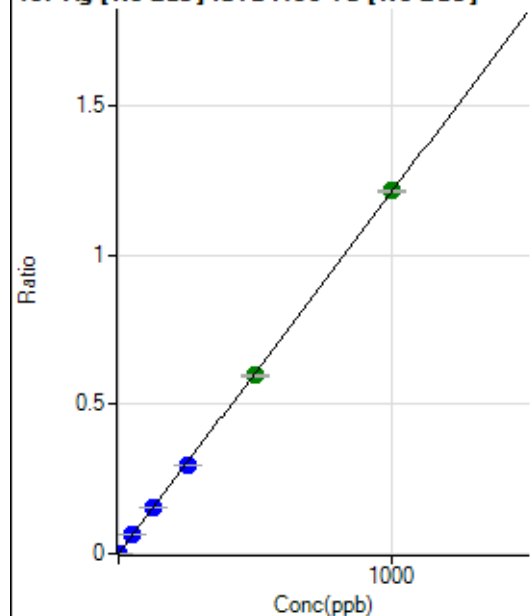
$$R = 1.0000$$

$$DL = 0.743$$

$$BEC = 9.615$$

Weight: <None>

Min Conc: 0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	102.79	0.0000	P	20.8
2	☐	0.100	0.112	1800.20	0.0001	P	14.1
3	☐	1.000	1.050	16132.10	0.0013	P	3.5
4	☐	50.000	53.278	806768.14	0.0646	P	0.3
5	☐	125.000	128.484	1945517.84	0.1557	P	0.3
6	☐	250.000	246.485	3712942.75	0.2988	P	0.5
7	☐	500.000	493.682	7460398.95	0.5984	A	0.7
8	☐	1000.000	1003.438	15386760.76	1.2162	A	0.4
9	☐			886.19	0.0001	P	25.9

$$y = 0.0012 * x + 7.7948\text{E-}006$$

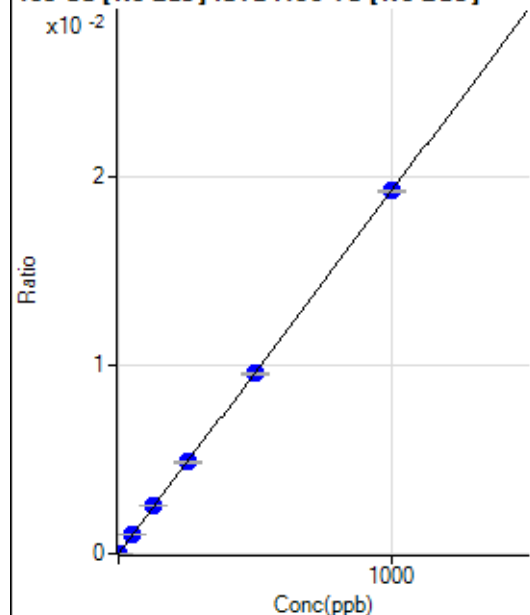
$$R = 0.9999$$

$$DL = 0.004007$$

$$BEC = 0.006431$$

Weight: <None>

Min Conc: 0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	9.72	0.0000	P	66.0
2	☐	0.100	0.099	33.33	0.0000	P	62.3
3	☐	1.000	0.987	248.62	0.0000	P	32.5
4	☐	50.000	52.262	12573.85	0.0010	P	1.0
5	☐	125.000	131.491	31623.08	0.0025	P	1.1
6	☐	250.000	252.778	60470.38	0.0049	P	1.4
7	☐	500.000	496.327	119109.37	0.0096	P	0.8
8	☐	1000.000	1000.217	243557.32	0.0193	P	0.7
9	☐			33.34	0.0000	P	22.1

$$y = 1.9246\text{E-}005 * x + 7.3813\text{E-}007$$

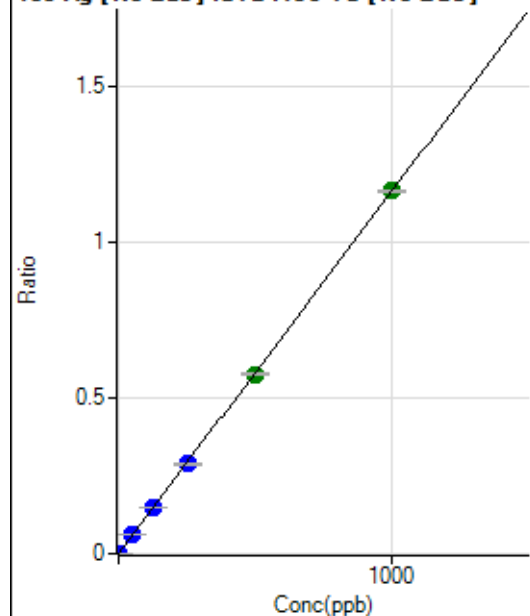
$$R = 1.0000$$

$$DL = 0.07591$$

$$BEC = 0.03835$$

Weight: <None>

Min Conc: 0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	72.23	0.0000	P	36.8
2	☐	0.100	0.105	1611.29	0.0001	P	2.1
3	☐	1.000	1.053	15492.53	0.0012	P	2.5
4	☐	50.000	53.062	770384.00	0.0617	P	0.8
5	☐	125.000	129.133	1874819.77	0.1501	P	0.4
6	☐	250.000	247.786	3578823.82	0.2880	P	1.0
7	☐	500.000	495.658	7181986.71	0.5760	A	0.6
8	☐	1000.000	1002.055	14733026.54	1.1646	A	0.4
9	☐			766.73	0.0001	P	31.9

$$y = 0.0012 * x + 5.4693\text{E-}006$$

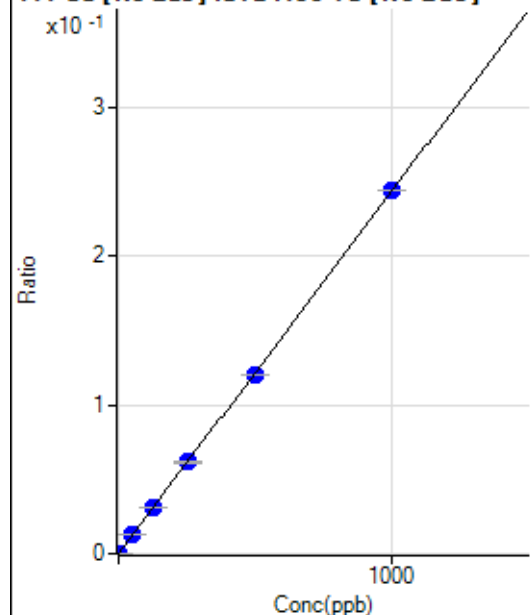
$$R = 1.0000$$

$$DL = 0.005201$$

$$BEC = 0.004706$$

Weight: <None>

Min Conc: 0

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

	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	711.92	0.0001	P	3.2
2	☐	0.100	0.121	1049.03	0.0001	P	5.2
3	☐	1.000	1.080	3995.49	0.0003	P	1.7
4	☐	50.000	53.232	162644.43	0.0130	P	0.7
5	☐	125.000	129.511	394755.53	0.0316	P	0.5
6	☐	250.000	252.257	764286.29	0.0615	P	0.5
7	☐	500.000	493.925	1500685.07	0.1204	P	0.3
8	☐	1000.000	1001.748	3087590.29	0.2441	P	0.0
9	☐			979.57	0.0001	P	7.6

$$y = 2.4358\text{E-}004 * x + 5.3966\text{E-}005$$

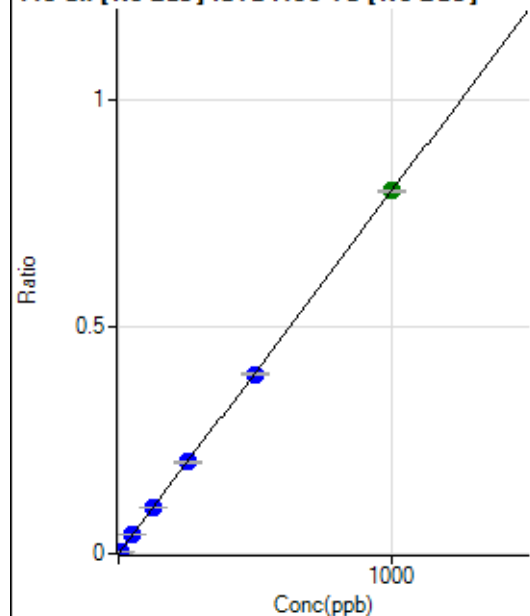
$$R = 1.0000$$

$$DL = 0.02139$$

$$BEC = 0.2216$$

Weight: <None>

Min Conc: 0

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

	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	452.81	0.0000	P	9.2
2	☐	0.500	0.531	5762.55	0.0005	P	5.3
3	☐	5.000	5.289	53550.20	0.0043	P	1.8
4	☐	50.000	52.725	525441.44	0.0421	P	0.3
5	☐	125.000	128.690	1281918.47	0.1026	P	0.4
6	☐	250.000	252.078	2497666.92	0.2010	P	0.4
7	☐	500.000	495.800	4927951.06	0.3953	P	0.6
8	☐	1000.000	1000.982	10094778.96	0.7979	A	0.4
9	☐			4181.37	0.0004	P	3.1

$$y = 7.9713\text{E-}004 * x + 3.4340\text{E-}005$$

$$R = 1.0000$$

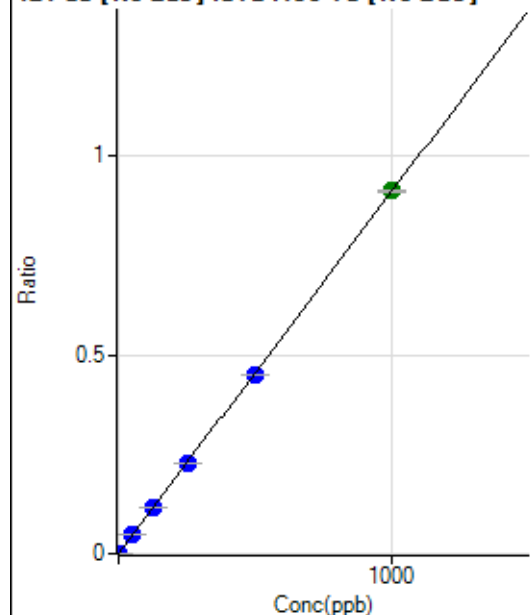
$$DL = 0.01188$$

$$BEC = 0.04308$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	83.34	0.0000	P	43.8
2	☐	0.200	0.197	2341.97	0.0002	P	2.7
3	☐	2.000	1.941	22337.88	0.0018	P	1.0
4	☐	50.000	51.905	590253.90	0.0473	P	0.7
5	☐	125.000	127.153	1445916.99	0.1157	P	0.5
6	☐	250.000	250.213	2830476.24	0.2278	P	1.0
7	☐	500.000	494.322	5609949.22	0.4500	P	0.6
8	☐	1000.000	1002.421	11543265.01	0.9124	A	0.4
9	☐			17686.85	0.0015	P	0.8

$$y = 9.1023\text{E-}004 * x + 6.3228\text{E-}006$$

$$R = 1.0000$$

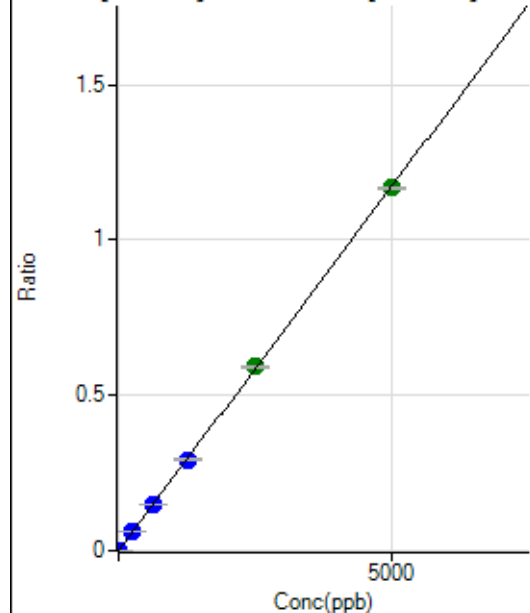
$$DL = 0.009137$$

$$BEC = 0.006946$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	44.45	0.0000	P	11.1
2	☐	1.000	1.024	3061.62	0.0002	P	9.3
3	☐	10.000	10.066	29741.00	0.0024	P	2.3
4	☐	250.000	258.918	757458.25	0.0606	P	0.9
5	☐	625.000	632.448	1850228.60	0.1481	P	0.4
6	☐	1250.000	1252.441	3645028.51	0.2933	P	1.0
7	☐	2500.000	2528.607	7382815.18	0.5922	A	0.9
8	☐	5000.000	4983.709	14765022.20	1.1671	A	0.4
9	☐			1822.43	0.0002	P	17.1

$$y = 2.3418\text{E-}004 * x + 3.3698\text{E-}006$$

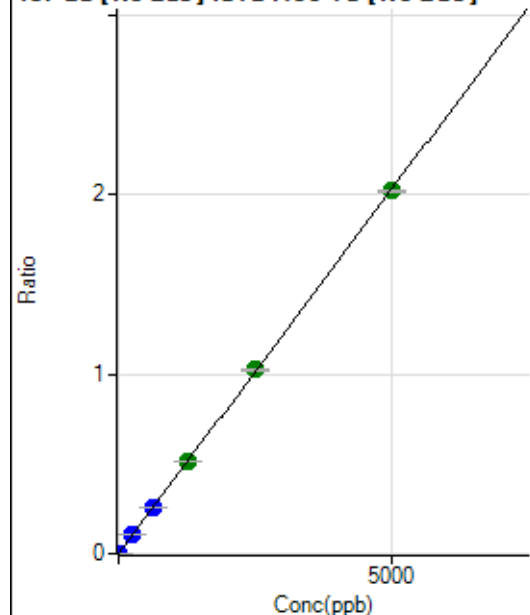
$$R = 1.0000$$

$$DL = 0.004771$$

$$BEC = 0.01439$$

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	88.89	0.0000	P	29.3
2	☐	1.000	1.017	5273.46	0.0004	P	5.6
3	☐	10.000	10.154	51917.88	0.0041	P	0.7
4	☐	250.000	258.478	1308466.37	0.1047	P	0.4
5	☐	625.000	633.476	3206764.63	0.2567	P	0.3
6	☐	1250.000	1270.273	6396957.61	0.5147	A	1.2
7	☐	2500.000	2525.801	12760923.98	1.0235	A	0.4
8	☐	5000.000	4980.548	25532343.45	2.0182	A	0.3
9	☐			3000.46	0.0003	P	13.0

$$y = 4.0522\text{E-}004 * x + 6.7473\text{E-}006$$

$$R = 1.0000$$

$$DL = 0.01463$$

$$BEC = 0.01665$$

Weight: <None>

Min Conc: 0

150 Nd [No Gas] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			46.67		P	14.3
2	☐			31.11		P	24.7
3	☐			20.00		P	88.2
4	☐			66.67		P	45.8
5	☐			144.45		P	11.6
6	☐			255.57		P	32.6
7	☐			508.92		P	4.0
8	☐			922.30		P	9.3
9	☐			231.12		P	26.8

150 Nd [He] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			52.22		P	24.2
2	☐			36.67		P	31.5
3	☐			30.00		P	44.4
4	☐			28.89		P	63.5
5	☐			60.00		P	33.8
6	☐			43.33		P	33.5
7	☐			70.00		P	17.2
8	☐			125.56		P	14.6
9	☐			107.78		P	20.1

156 Dy [No Gas] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			91.67		P	32.8
2	☐			55.56		P	31.2
3	☐			16.67		P	50.0
4	☐			33.34		P	66.1
5	☐			100.01		P	16.7
6	☐			88.89		P	19.5
7	☐			113.90		P	23.5
8	☐			200.01		P	4.2
9	☐			166.68		P	39.7

156 Dy [He] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			61.11		P	35.5
2	☐			66.67		P	30.4
3	☐			50.00		P	29.1
4	☐			61.11		P	25.8
5	☐			130.00		P	8.9
6	☐			102.23		P	5.0
7	☐			172.23		P	3.0
8	☐			282.23		P	19.5
9	☐			90.00		P	3.7

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			169.45		P	29.6
2	☐			152.79		P	8.3
3	☐			136.12		P	15.4
4	☐			141.68		P	15.6
5	☐			186.12		P	20.2
6	☐			105.56		P	9.1
7	☐			119.45		P	42.6
8	☐			136.12		P	17.7
9	☐			183.34		P	9.1

160 Gd [He] No available calibration points

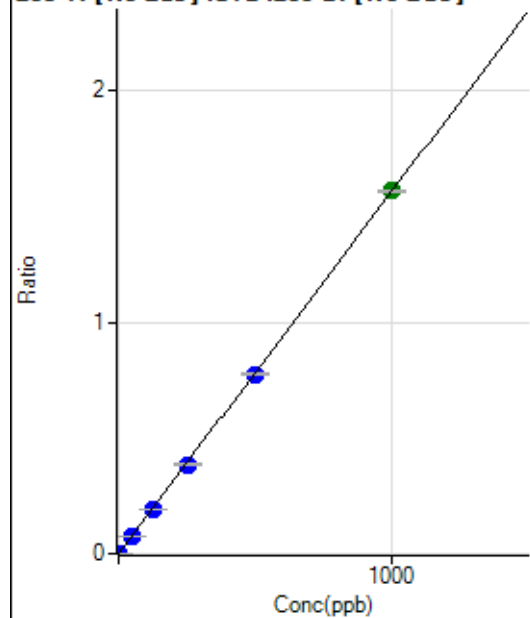
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			316.68		P	8.6
2	☐			304.45		P	3.3
3	☐			258.89		P	5.2
4	☐			253.34		P	6.0
5	☐			325.57		P	9.2
6	☐			266.67		P	17.6
7	☐			262.23		P	3.2
8	☐			243.34		P	10.3
9	☐			294.45		P	8.8

164 Er [No Gas] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			150.01		P	19.2
2	☐			116.67		P	7.1
3	☐			88.89		P	23.6
4	☐			102.78		P	12.4
5	☐			111.11		P	8.7
6	☐			94.45		P	22.2
7	☐			105.56		P	16.4
8	☐			102.79		P	20.4
9	☐			122.23		P	21.9

164 Er [He] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			154.45		P	11.9
2	☐			134.45		P	27.2
3	☐			106.67		P	12.5
4	☐			98.89		P	31.3
5	☐			146.67		P	6.0
6	☐			115.56		P	14.2
7	☐			107.78		P	7.8
8	☐			84.45		P	16.0
9	☐			108.89		P	28.4

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	1316.80	0.0001	P	11.1
2	☐	0.100	0.102	2642.06	0.0003	P	6.4
3	☐	1.000	0.898	13407.35	0.0015	P	1.9
4	☐	50.000	49.722	664858.22	0.0778	P	0.8
5	☐	125.000	123.396	1647806.80	0.1928	P	0.2
6	☐	250.000	246.379	3280932.48	0.3848	P	1.0
7	☐	500.000	496.536	6533101.84	0.7753	P	1.0
8	☐	1000.000	1002.852	13180486.06	1.5657	A	0.6
9	☐			3297.79	0.0005	P	12.2

$$y = 0.0016 * x + 1.4470E-004$$

$$R = 1.0000$$

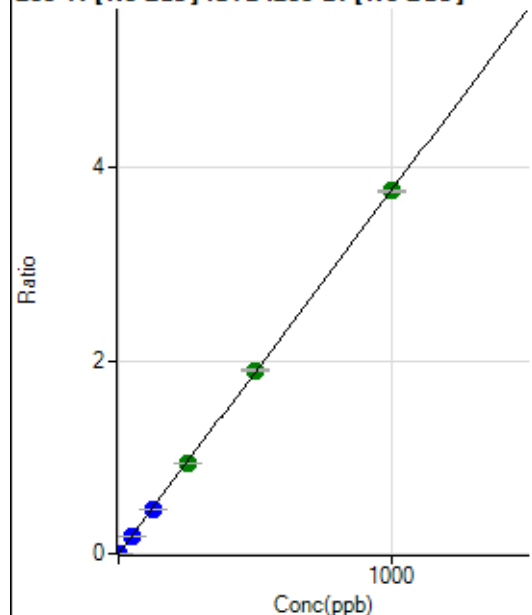
$$DL = 0.03082$$

$$BEC = 0.09269$$

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	1697.42	0.0002	P	5.7
2	☐	0.100	0.094	4687.18	0.0005	P	4.4
3	☐	1.000	0.928	31908.88	0.0037	P	3.0
4	☐	50.000	49.272	1587559.64	0.1857	P	0.6
5	☐	125.000	122.767	3952075.57	0.4624	P	0.5
6	☐	250.000	249.122	7998890.63	0.9381	A	0.6
7	☐	500.000	503.853	15986099.84	1.8971	A	0.9
8	☐	1000.000	998.608	31649726.06	3.7597	A	0.5
9	☐			6746.50	0.0009	P	10.4

$$y = 0.0038 * x + 1.8662E-004$$

$$R = 1.0000$$

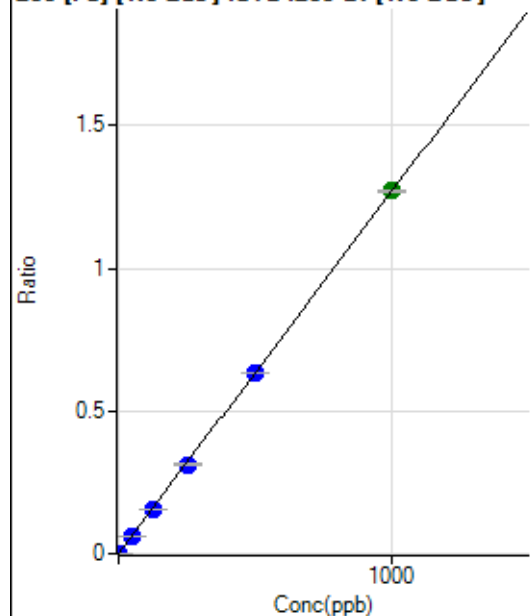
$$DL = 0.008535$$

$$BEC = 0.04957$$

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	2031.70	0.0002	P	2.9
2	☐	0.100	0.090	2924.48	0.0003	P	6.8
3	☐	1.000	0.900	11829.63	0.0014	P	3.7
4	☐	50.000	49.363	537006.38	0.0628	P	0.4
5	☐	125.000	124.406	1350104.82	0.1580	P	0.3
6	☐	250.000	246.670	2668682.67	0.3130	P	0.8
7	☐	500.000	497.571	5318011.81	0.6311	P	0.3
8	☐	1000.000	1002.153	10697918.18	1.2708	A	0.3
9	☐			8962.55	0.0012	P	1.9

$$y = 0.0013 * x + 2.2334E-004$$

$$R = 1.0000$$

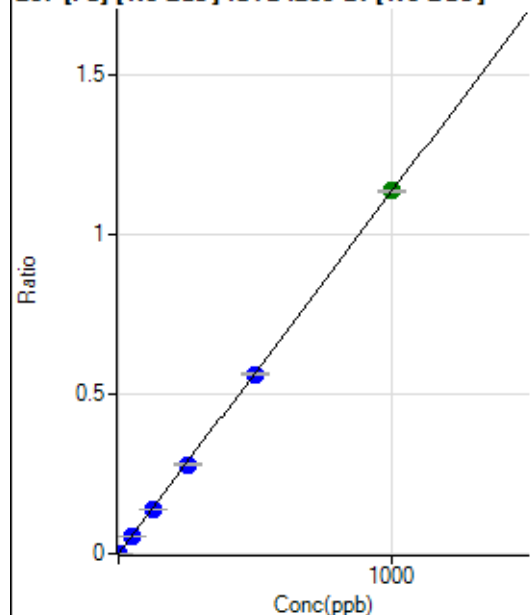
$$DL = 0.01509$$

$$BEC = 0.1762$$

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	2107.65	0.0002	P	3.5
2	☐	0.100	0.076	2763.33	0.0003	P	3.7
3	☐	1.000	0.912	10962.23	0.0013	P	1.8
4	☐	50.000	49.469	481112.55	0.0563	P	0.5
5	☐	125.000	123.884	1201601.10	0.1406	P	0.2
6	☐	250.000	246.579	2383942.85	0.2796	P	0.7
7	☐	500.000	496.405	4740918.10	0.5626	P	0.4
8	☐	1000.000	1002.819	9565553.91	1.1363	A	0.3
9	☐			8074.88	0.0011	P	3.8

$$y = 0.0011 * x + 2.3165E-004$$

$$R = 1.0000$$

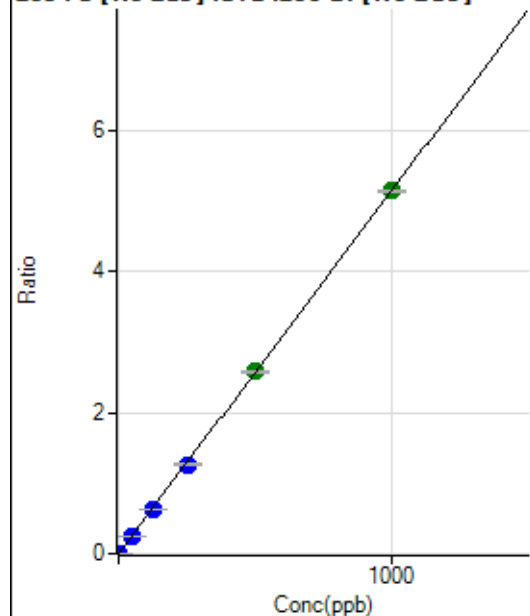
$$DL = 0.02175$$

$$BEC = 0.2045$$

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	7149.04	0.0008	P	1.2
2	☐	0.100	0.084	10575.90	0.0012	P	4.5
3	☐	1.000	0.910	47413.29	0.0055	P	1.8
4	☐	50.000	49.517	2185452.00	0.2556	P	0.3
5	☐	125.000	123.974	5460159.05	0.6388	P	0.2
6	☐	250.000	246.187	10810113.21	1.2678	P	0.6
7	☐	500.000	501.932	21773954.13	2.5839	A	0.5
8	☐	1000.000	1000.140	43335243.68	5.1479	A	0.2
9	☐			34890.57	0.0048	P	0.8

$$y = 0.0051 * x + 7.8585E-004$$

$$R = 1.0000$$

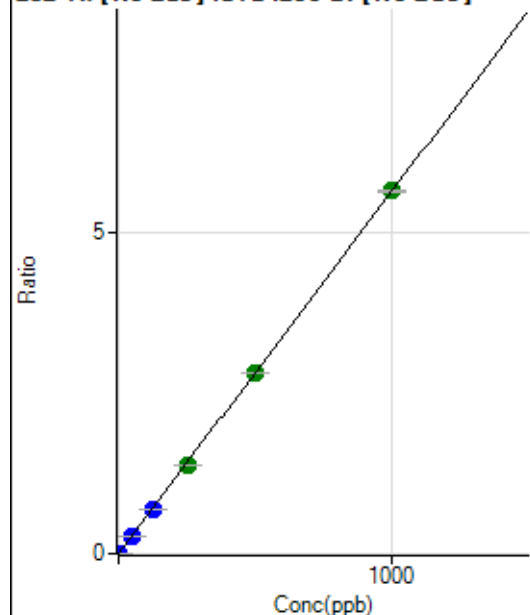
$$DL = 0.00546$$

$$BEC = 0.1527$$

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	4217.48	0.0005	P	2.4
2	☐	0.100	0.073	7595.05	0.0009	P	6.3
3	☐	1.000	0.815	43773.91	0.0051	P	2.7
4	☐	50.000	47.349	2281997.94	0.2669	P	0.7
5	☐	125.000	119.978	5774672.93	0.6756	P	0.6
6	☐	250.000	243.786	11701772.83	1.3723	A	0.3
7	☐	500.000	499.107	23671344.74	2.8091	A	0.7
8	☐	1000.000	1002.760	47505864.95	5.6433	A	0.4
9	☐			12224.61	0.0017	P	6.6

$$y = 0.0056 * x + 4.6359E-004$$

$$R = 1.0000$$

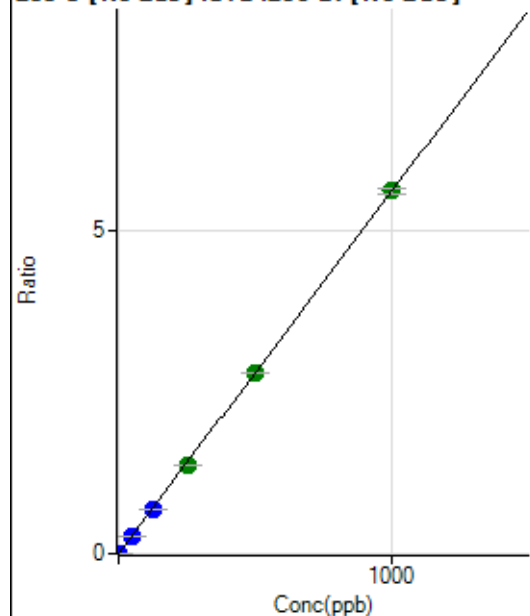
$$DL = 0.005935$$

$$BEC = 0.08238$$

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	5926.65	0.0007	P	5.0
2	☐	0.100	0.082	9645.65	0.0011	P	1.5
3	☐	1.000	0.855	47122.29	0.0054	P	1.4
4	☐	50.000	47.761	2289687.25	0.2678	P	1.2
5	☐	125.000	119.920	5739202.73	0.6714	P	0.3
6	☐	250.000	244.361	11660835.42	1.3675	A	0.6
7	☐	500.000	500.374	23591931.26	2.7996	A	0.1
8	☐	1000.000	1001.970	47187440.64	5.6053	A	1.5
9	☐			7096.70	0.0010	P	7.3

$$y = 0.0056 * x + 6.5144E-004$$

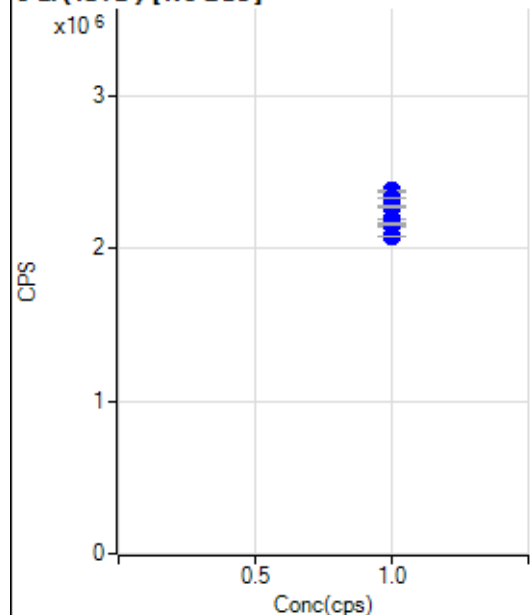
$$R = 1.0000$$

$$DL = 0.01737$$

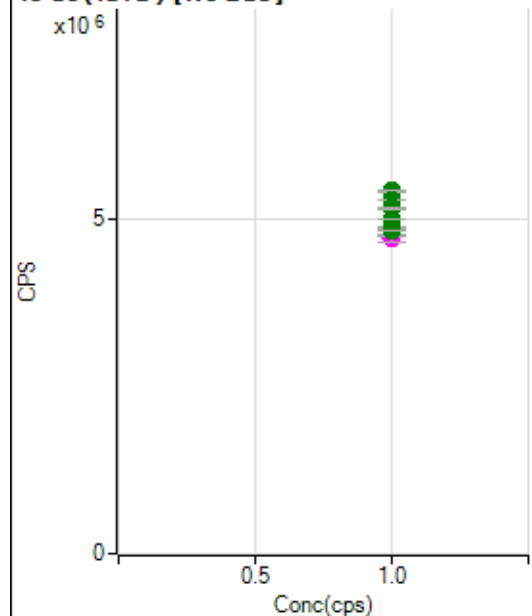
$$BEC = 0.1165$$

Weight: <None>

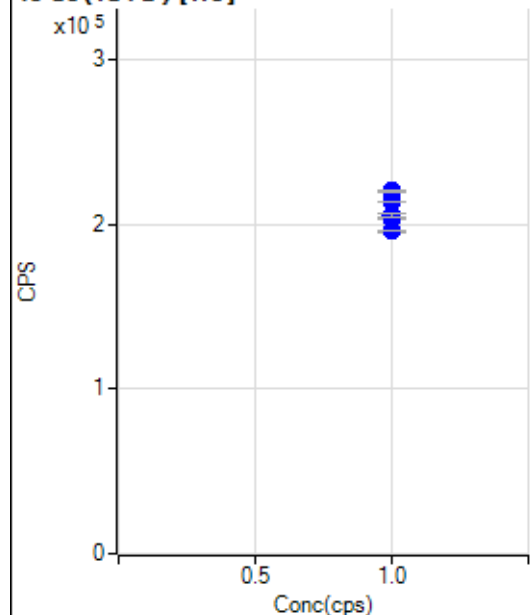
Min Conc: 0

6 Li (ISTD) [No Gas]

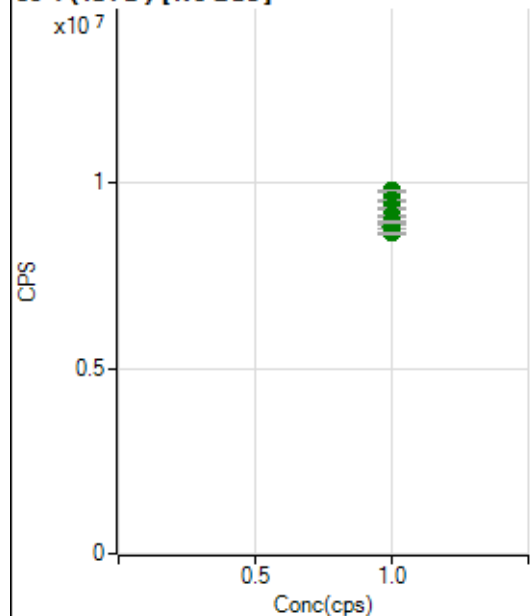
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		2369343.78		P	0.1
2	☐	1.000		2370667.52		P	0.6
3	☐	1.000		2378136.02		P	0.5
4	☐	1.000		2331412.59		P	0.5
5	☐	1.000		2272008.22		P	0.3
6	☐	1.000		2195010.69		P	0.2
7	☐	1.000		2149869.98		P	0.9
8	☐	1.000		2164016.32		P	0.4
9	☐	1.000		2077114.01		P	0.3

45 Sc (ISTD) [No Gas]

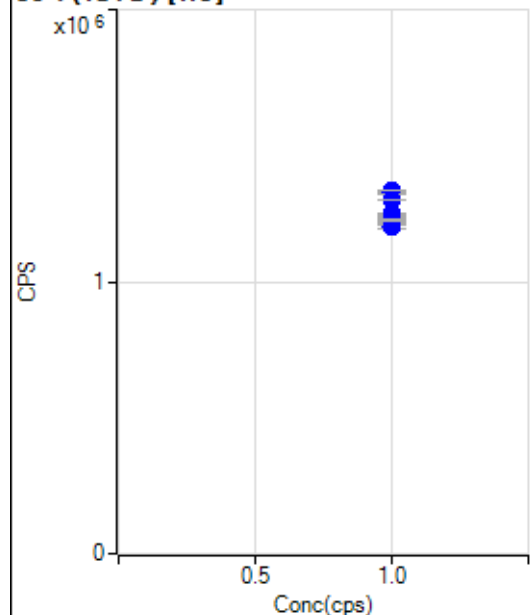
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		5429065.10		A	0.4
2	☐	1.000		5291347.90		A	0.4
3	☐	1.000		5292894.48		A	0.4
4	☐	1.000		5173323.47		A	0.4
5	☐	1.000		5007566.69		A	0.4
6	☐	1.000		4766604.62		P	0.5
7	☐	1.000		4709442.73		M	1.7
8	☐	1.000		4868248.11		A	0.4
9	☐	1.000		4836487.26		A	0.3

45 Sc (ISTD) [He]

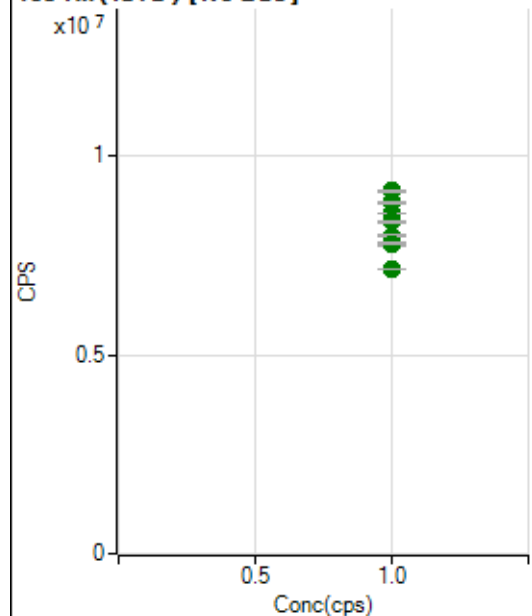
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		219948.24		P	0.2
2	☐	1.000		219837.63		P	0.3
3	☐	1.000		220612.53		P	0.9
4	☐	1.000		213944.84		P	0.3
5	☐	1.000		203935.57		P	0.8
6	☐	1.000		196113.84		P	0.9
7	☐	1.000		196238.29		P	0.4
8	☐	1.000		204293.93		P	0.8
9	☐	1.000		205884.83		P	1.3

89 Y (ISTD) [No Gas]

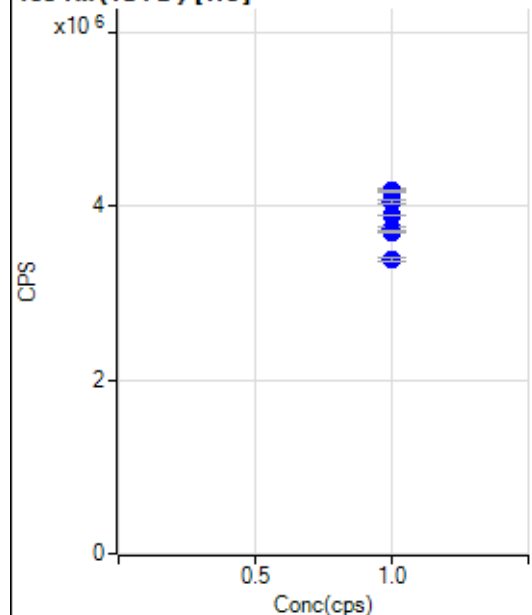
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		9787217.70		A	0.3
2	☐	1.000		9507525.69		A	0.4
3	☐	1.000		9551093.26		A	0.3
4	☐	1.000		9314582.64		A	0.4
5	☐	1.000		9105675.49		A	0.2
6	☐	1.000		8897622.30		A	0.5
7	☐	1.000		8842123.06		A	1.4
8	☐	1.000		8953956.95		A	0.6
9	☐	1.000		8643884.45		A	0.3

89 Y(ISTD) [He]

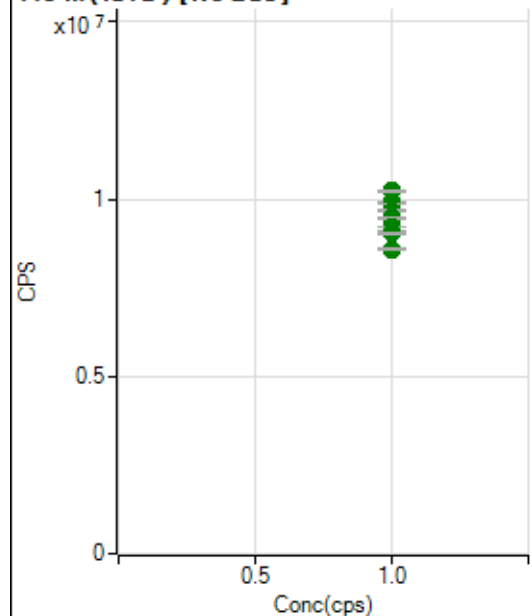
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		1334022.97		P	0.1
2	☐	1.000		1327135.54		P	0.7
3	☐	1.000		1329433.52		P	0.7
4	☐	1.000		1300944.89		P	0.5
5	☐	1.000		1250556.08		P	0.6
6	☐	1.000		1203105.76		P	0.8
7	☐	1.000		1212314.37		P	0.3
8	☐	1.000		1237342.65		P	0.1
9	☐	1.000		1226755.20		P	0.9

103 Rh(ISTD) [No Gas]

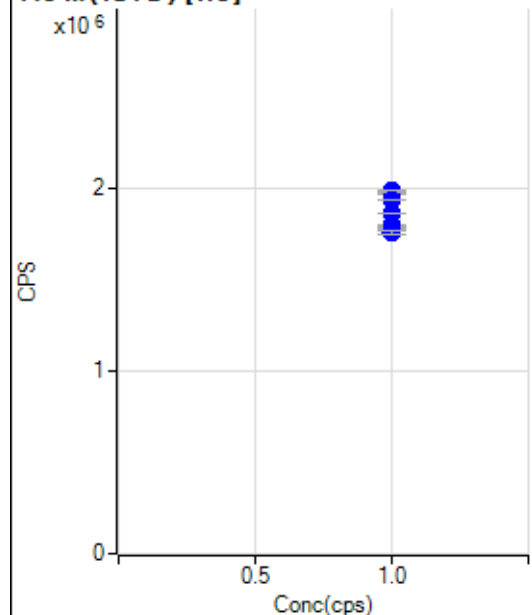
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		9115868.78		A	0.5
2	☐	1.000		8818739.78		A	0.2
3	☐	1.000		8827734.05		A	0.5
4	☐	1.000		8550313.82		A	0.3
5	☐	1.000		8343592.12		A	0.7
6	☐	1.000		7996421.27		A	0.4
7	☐	1.000		7796003.04		A	1.2
8	☐	1.000		7800374.05		A	0.7
9	☐	1.000		7136415.61		A	0.2

103 Rh (ISTD) [He]

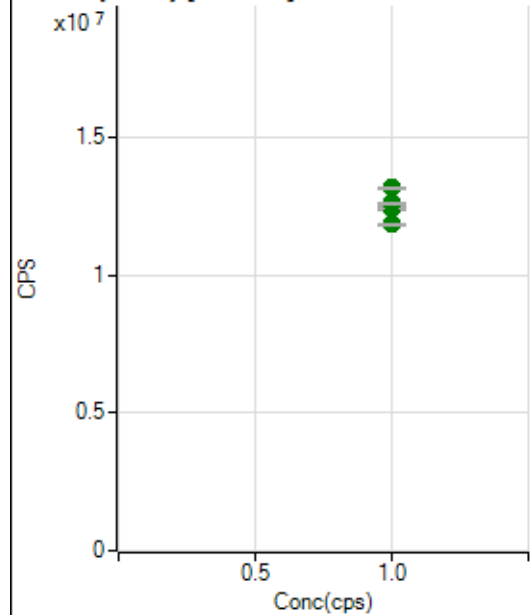
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		4166496.88		P	0.4
2	☐	1.000		4180485.04		P	0.9
3	☐	1.000		4176928.66		P	0.8
4	☐	1.000		4050052.65		P	1.0
5	☐	1.000		3901759.73		P	0.0
6	☐	1.000		3744204.11		P	0.9
7	☐	1.000		3696063.73		P	0.4
8	☐	1.000		3706454.36		P	0.4
9	☐	1.000		3389005.99		P	0.9

115 In (ISTD) [No Gas]

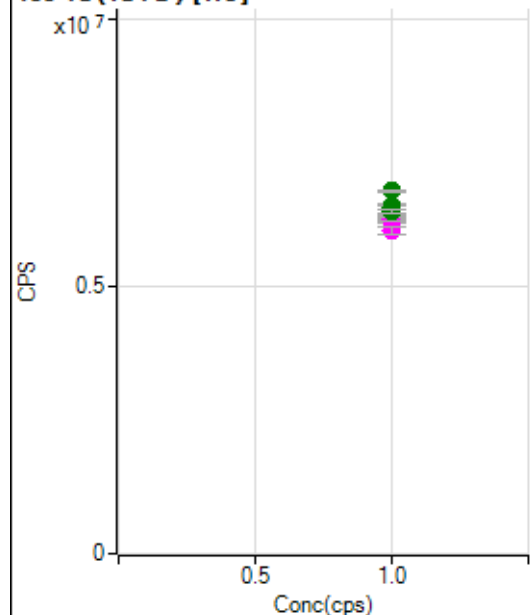
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		10231003.90		A	0.5
2	☐	1.000		9897307.32		A	1.0
3	☐	1.000		9869380.33		A	0.4
4	☐	1.000		9666129.50		A	0.7
5	☐	1.000		9477406.36		A	0.5
6	☐	1.000		9229445.78		A	0.2
7	☐	1.000		9078858.55		A	0.9
8	☐	1.000		9029104.59		A	0.4
9	☐	1.000		8585185.76		A	0.7

115 In (ISTD) [He]

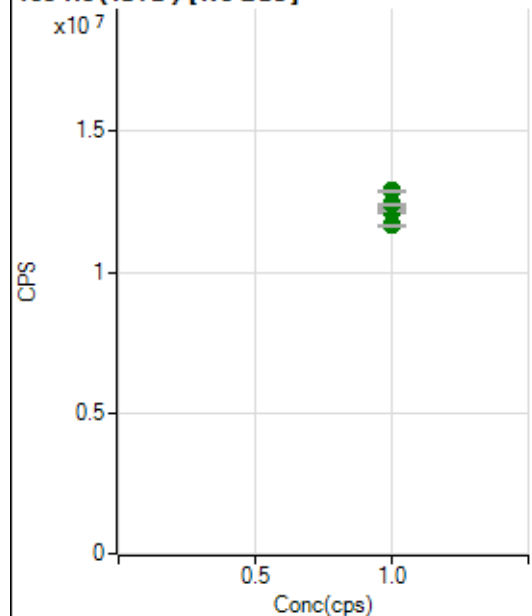
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		1973629.88		P	0.1
2	☐	1.000		1988606.01		P	0.2
3	☐	1.000		1986055.76		P	0.7
4	☐	1.000		1941972.59		P	0.2
5	☐	1.000		1861609.61		P	0.1
6	☐	1.000		1799270.71		P	0.8
7	☐	1.000		1777296.49		P	0.3
8	☐	1.000		1777278.63		P	0.2
9	☐	1.000		1756051.79		P	1.3

159 Tb (ISTD) [No Gas]

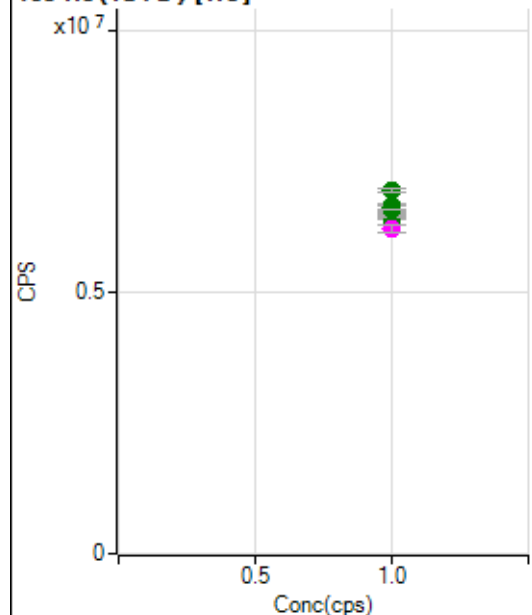
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		13192032.16		A	0.8
2	☐	1.000		12588811.90		A	0.4
3	☐	1.000		12598044.67		A	0.2
4	☐	1.000		12491798.70		A	0.3
5	☐	1.000		12492310.09		A	0.4
6	☐	1.000		12427991.90		A	0.5
7	☐	1.000		12468118.56		A	0.6
8	☐	1.000		12651123.56		A	0.5
9	☐	1.000		11881348.29		A	0.5

159 Tb (ISTD) [He]

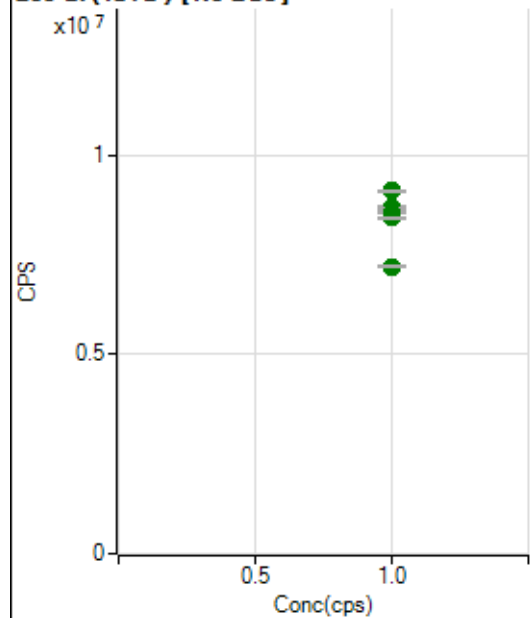
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		6775841.84		A	0.3
2	☐	1.000		6516402.27		A	0.7
3	☐	1.000		6460401.71		A	0.8
4	☐	1.000		6423900.11		A	0.1
5	☐	1.000		6314765.60		A	0.4
6	☐	1.000		6210873.38		M	0.9
7	☐	1.000		6244856.57		M	1.2
8	☐	1.000		6399454.28		A	0.8
9	☐	1.000		6041838.31		M	2.3

165 Ho (ISTD) [No Gas]

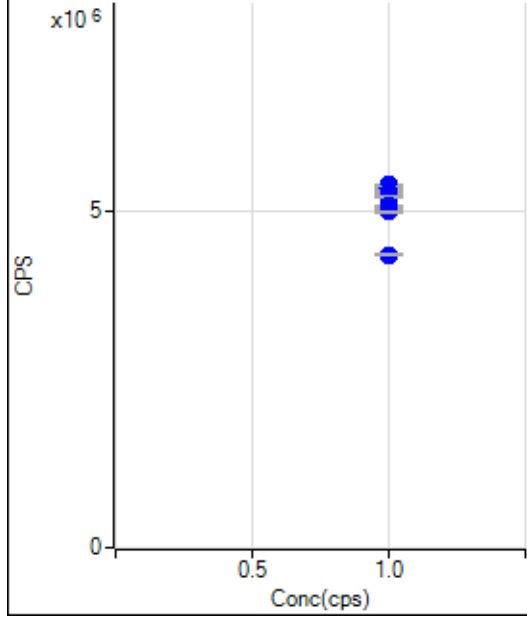
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		12884552.37		A	0.4
2	☐	1.000		12361178.40		A	0.7
3	☐	1.000		12318776.40		A	0.4
4	☐	1.000		12250761.56		A	0.5
5	☐	1.000		12200524.93		A	0.6
6	☐	1.000		12140744.63		A	0.9
7	☐	1.000		12201366.94		A	0.6
8	☐	1.000		12400527.79		A	0.8
9	☐	1.000		11650466.58		A	0.3

165 Ho (ISTD) [He]

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		6929639.06		A	1.0
2	☐	1.000		6663449.48		A	0.4
3	☐	1.000		6609495.04		A	0.9
4	☐	1.000		6569960.94		A	0.2
5	☐	1.000		6513434.49		A	0.3
6	☐	1.000		6393838.10		A	0.7
7	☐	1.000		6453831.08		A	0.3
8	☐	1.000		6576468.51		A	0.3
9	☐	1.000		6206532.96		M	2.8

209 Bi (ISTD) [No Gas]

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		9097363.89		A	0.5
2	☐	1.000		8685903.13		A	1.0
3	☐	1.000		8667962.79		A	0.4
4	☐	1.000		8549701.54		A	0.6
5	☐	1.000		8547580.71		A	0.7
6	☐	1.000		8527040.22		A	0.2
7	☐	1.000		8426980.36		A	0.8
8	☐	1.000		8418080.78		A	0.3
9	☐	1.000		7202611.84		A	1.0

209 Bi (ISTD) [He]

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		5386591.55		P	0.7
2	☐	1.000		5404419.36		P	0.6
3	☐	1.000		5360757.04		P	0.7
4	☐	1.000		5290178.19		P	0.2
5	☐	1.000		5231978.98		P	0.3
6	☐	1.000		5095473.26		P	0.5
7	☐	1.000		5042946.66		P	0.5
8	☐	1.000		5005701.97		P	0.7
9	☐	1.000		4362507.47		P	0.5