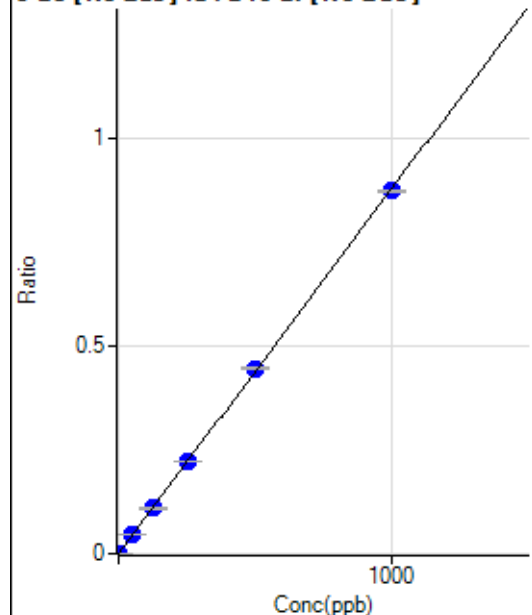


Batch Folder: D:\ICP-MS Data\P7071419 MS.b\
Analysis File: P7071419 MS.batch.bin
DA Date-Time: 2019-07-14 19:06:15
Calibration Title:
Calibration Method: External Calibration
VIS Interpolation Fit:

Level	Standard Data File	Sample Name	Acq. Date-Time
1	003CALB.d	S00	2019-07-14 13:53:06
2			
3	005CALS.d	S02	2019-07-14 14:01:06
4	006CALS.d	S03	2019-07-14 14:05:02
5	007CALS.d	S04	2019-07-14 14:08:59
6	008CALS.d	S05	2019-07-14 14:12:53
7	009CALS.d	S06	2019-07-14 14:16:44
8	010CALS.d	S07	2019-07-14 14:20:34
9	011CALS.d	S08	2019-07-14 14:24:23

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	14.44	0.0000	P	35.8
2	☐	0.100					
3	☐	1.000	1.060	1589.00	0.0009	P	5.9
4	☐	50.000	51.987	78187.49	0.0456	P	1.0
5	☐	125.000	124.623	190157.89	0.1094	P	1.6
6	☐	250.000	252.651	363654.36	0.2218	P	0.7
7	☐	500.000	508.683	728048.94	0.4466	P	0.6
8	☐	1000.000	994.943	1441224.63	0.8735	P	0.6
9	☐			223.34	0.0001	P	26.8

$$y = 8.7791\text{E-}004 * x + 8.3246\text{E-}006$$

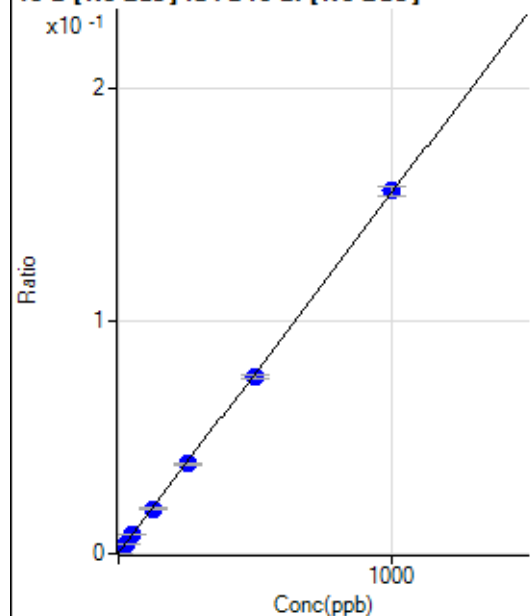
$$R = 0.9999$$

$$DL = 0.01019$$

$$BEC = 0.009482$$

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	361.13	0.0002	P	20.5
2	☐	2.500					
3	☐	25.000	24.725	6824.04	0.0040	P	5.7
4	☐	50.000	51.137	13912.43	0.0081	P	1.6
5	☐	125.000	122.769	33379.42	0.0192	P	2.7
6	☐	250.000	247.209	63057.38	0.0385	P	2.2
7	☐	500.000	490.611	124111.17	0.0761	P	2.0
8	☐	1000.000	1005.621	257108.31	0.1558	P	2.4
9	☐			11379.81	0.0075	P	12.8

$$y = 1.5476\text{E-}004 * x + 2.0772\text{E-}004$$

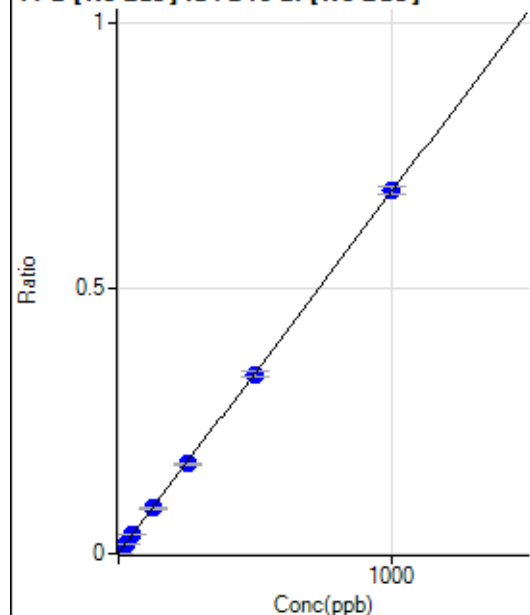
$$R = 0.9999$$

$$DL = 0.827$$

$$BEC = 1.342$$

Weight: <None>

Min Conc: 0

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

	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	1655.72	0.0010	P	11.7
2	☐	2.500					
3	☐	25.000	25.138	30526.28	0.0180	P	3.9
4	☐	50.000	51.692	61807.55	0.0361	P	0.7
5	☐	125.000	124.053	148178.92	0.0853	P	1.8
6	☐	250.000	246.925	276695.40	0.1688	P	1.2
7	☐	500.000	495.868	550913.67	0.3380	P	2.9
8	☐	1000.000	1002.865	1126089.17	0.6825	P	2.3
9	☐			50636.11	0.0335	P	6.7

$$y = 6.7962\text{E-}004 * x + 9.5387\text{E-}004$$

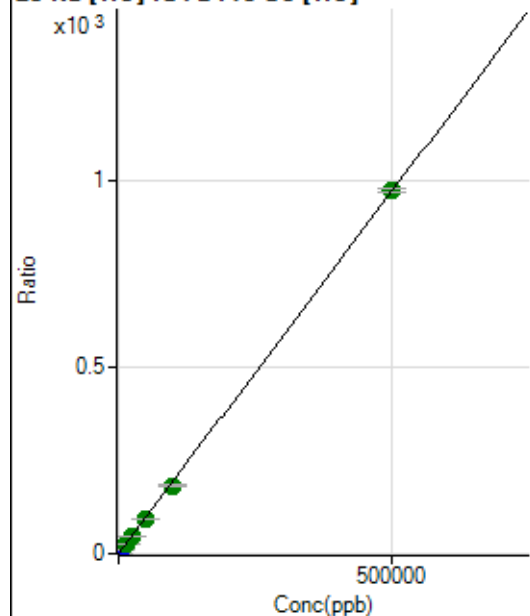
$$R = 1.0000$$

$$DL = 0.4908$$

$$BEC = 1.404$$

Weight: <None>

Min Conc: 0

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

	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	5943.07	0.0399	P	1.5
2	☐	50.000					
3	☐	500.000	522.461	158146.62	1.0553	P	0.8
4	☐	5000.000	5073.212	1421613.47	9.9000	P	0.7
5	☐	12500.000	13688.114	3344752.96	26.6437	A	10.4
6	☐	25000.000	24476.323	6545043.25	47.6113	A	0.5
7	☐	50000.000	48556.927	13722296.31	94.4136	A	0.2
8	☐	100000.00	94105.220	28697857.24	182.9399	A	1.1
9	☐	500000.00	501318.99	149925753.3	974.3878	A	0.9

$$y = 0.0019 * x + 0.0399$$

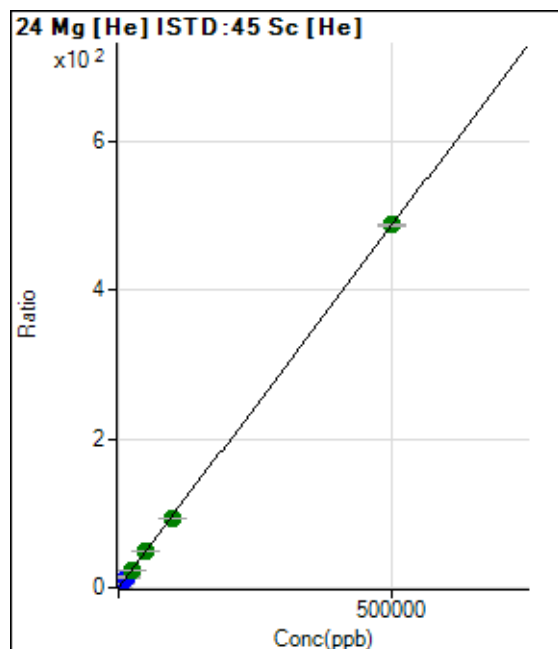
$$R = 0.9999$$

$$DL = 0.9288$$

$$BEC = 20.53$$

Weight: <None>

Min Conc: 0



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	47.23	0.0003	P	56.3
2	☐	50.000					
3	☐	500.000	539.177	78630.83	0.5247	P	1.3
4	☐	5000.000	5228.153	730232.28	5.0853	P	0.6
5	☐	12500.000	13940.002	1701810.72	13.5585	P	10.6
6	☐	25000.000	25079.366	3353188.66	24.3927	A	0.6
7	☐	50000.000	49575.682	7008109.79	48.2181	A	0.3
8	☐	100000.00	95484.488	14568387.30	92.8694	A	1.1
9	☐	500000.00	500903.24	74962034.31	487.1832	A	0.8

$$y = 9.7261\text{E-}004 * x + 3.1602\text{E-}004$$

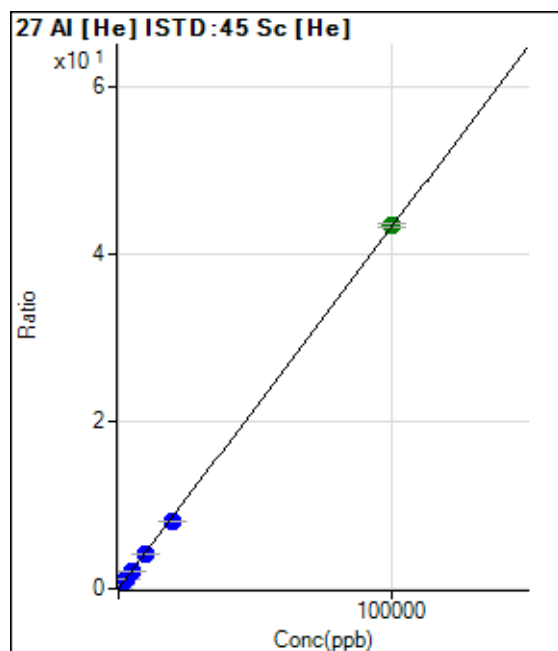
$$R = 0.9999$$

$$DL = 0.5484$$

$$BEC = 0.3249$$

Weight: <None>

Min Conc: 0



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	30.55	0.0002	P	68.1
2	☐	2.000					
3	☐	20.000	20.729	1375.12	0.0092	P	0.4
4	☐	1000.000	987.082	61379.36	0.4274	P	0.1
5	☐	2500.000	2722.621	147988.60	1.1786	P	10.1
6	☐	5000.000	4827.528	287273.11	2.0896	P	0.7
7	☐	10000.000	9531.763	599651.64	4.1257	P	0.5
8	☐	20000.000	18464.039	1253701.83	7.9918	P	0.8
9	☐	100000.00	100357.20	6683421.81	43.4365	A	0.9

$$y = 4.3282\text{E-}004 * x + 2.0428\text{E-}004$$

$$R = 0.9999$$

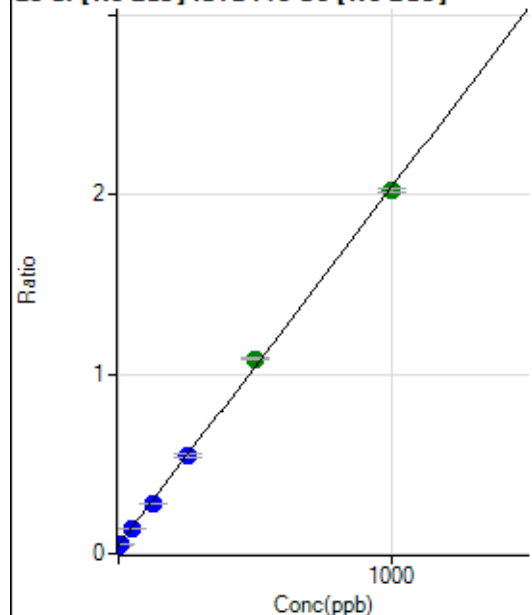
$$DL = 0.9649$$

$$BEC = 0.472$$

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	138157.65	0.0458	P	0.8
2	☐	1.000					
3	☐	10.000	6.072	170746.82	0.0579	P	0.8
4	☐	50.000	47.134	405080.60	0.1399	P	1.9
5	☐	125.000	115.851	815938.08	0.2770	P	1.0
6	☐	250.000	250.876	1505554.68	0.5465	P	2.2
7	☐	500.000	521.484	3098544.42	1.0867	A	1.7
8	☐	1000.000	990.365	6002487.85	2.0226	A	1.2
9	☐			475083.92	0.1716	P	0.7

$$y = 0.0020 * x + 0.0458$$

$$R = 0.9996$$

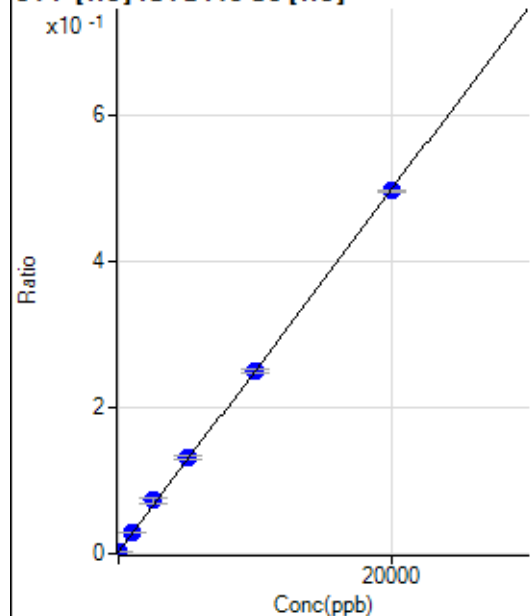
$$DL = 0.5539$$

$$BEC = 22.94$$

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	-26.675	311.13	0.0021	P	14.8
2	☐	0.000					
3	☐	0.000	26.675	511.14	0.0034	P	7.2
4	☐	1000.000	1027.496	4050.70	0.0282	P	0.9
5	☐	2500.000	2820.442	9128.13	0.0726	P	9.5
6	☐	5000.000	5188.572	18053.23	0.1313	P	3.0
7	☐	10000.000	9973.423	36317.30	0.2499	P	1.9
8	☐	20000.000	19924.715	77880.83	0.4964	P	0.4
9	☐			305.57	0.0020	P	13.6

$$y = 2.4778E-005 * x + 0.0027$$

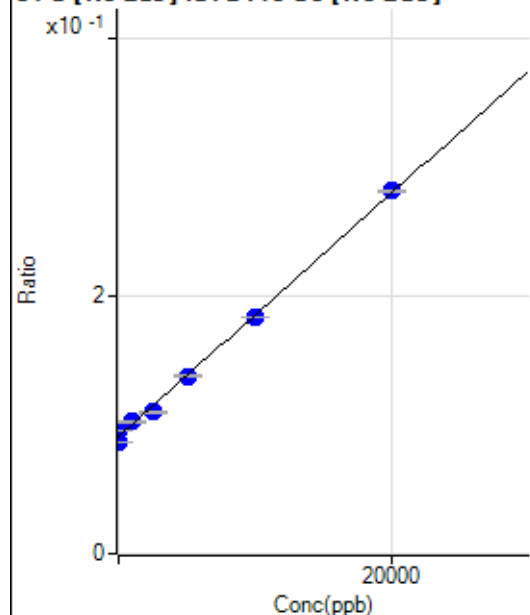
$$R = 0.9998$$

$$DL = 33.53$$

$$BEC = 111$$

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	-462.916	261333.13	0.0866	P	1.2
2	☐	0.000					
3	☐	0.000	462.916	281204.75	0.0954	P	0.9
4	☐	1000.000	1193.937	296282.78	0.1023	P	0.9
5	☐	2500.000	2037.372	324788.20	0.1103	P	1.6
6	☐	5000.000	4970.347	380248.88	0.1380	P	0.7
7	☐	10000.000	9802.590	523950.04	0.1838	P	0.4
8	☐	20000.000	20154.250	835979.55	0.2817	P	0.7
9	☐			193441.29	0.0699	P	0.5

$$y = 9.4618\text{E-}006 * x + 0.0910$$

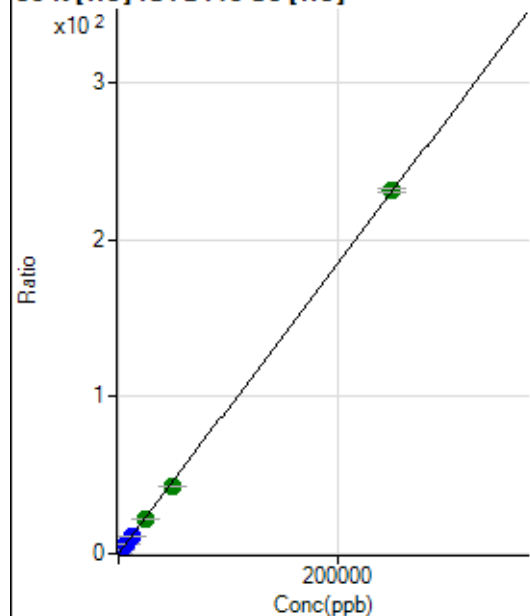
$$R = 0.9989$$

$$DL = 295.1$$

$$BEC = 9618$$

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	12236.06	0.0821	P	2.4
2	☐	50.000					
3	☐	500.000	509.985	82752.76	0.5522	P	0.3
4	☐	2500.000	2486.896	340963.93	2.3744	P	0.2
5	☐	6250.000	6748.063	791184.93	6.3020	P	10.3
6	☐	12500.000	11989.409	1530499.99	11.1331	P	0.3
7	☐	25000.000	23528.286	3163920.14	21.7687	A	0.6
8	☐	50000.000	46111.928	6680411.09	42.5846	A	0.5
9	☐	250000.00	250937.97	35601071.63	231.3773	A	1.1

$$y = 9.2172\text{E-}004 * x + 0.0821$$

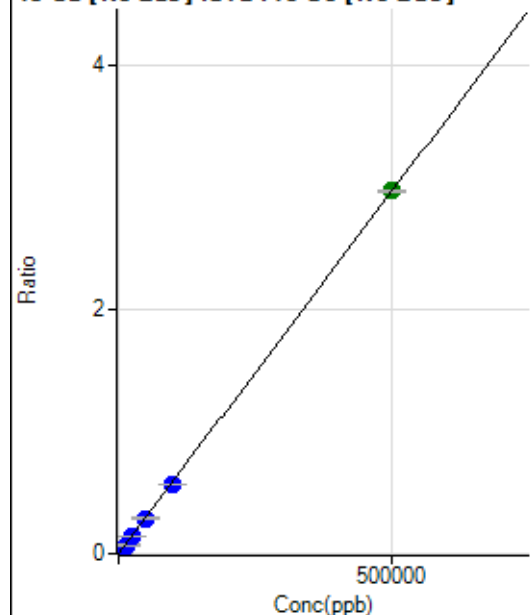
$$R = 0.9998$$

$$DL = 6.376$$

$$BEC = 89.13$$

Weight: <None>

Min Conc: 0

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

	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	77.78	0.0000	P	6.0
2	☐	50.000					
3	☐	500.000	471.623	8313.78	0.0028	P	3.1
4	☐	5000.000	4992.586	85751.46	0.0296	P	2.4
5	☐	12500.000	11931.639	208284.93	0.0707	P	1.8
6	☐	25000.000	24837.162	405479.90	0.1472	P	0.6
7	☐	50000.000	49039.323	828592.16	0.2906	P	0.7
8	☐	100000.00	94697.209	1665228.03	0.5611	P	0.4
9	☐	500000.00	501179.07	8221191.42	2.9696	A	0.5

$$y = 5.9253\text{E-}006 * x + 2.5780\text{E-}005$$

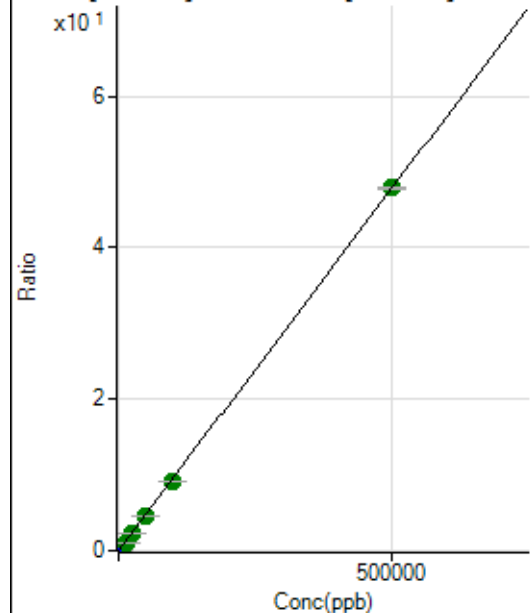
$$R = 0.9999$$

$$DL = 0.7896$$

$$BEC = 4.351$$

Weight: <None>

Min Conc: 0

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

	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	5829.21	0.0019	P	2.4
2	☐	50.000					
3	☐	500.000	476.820	140010.84	0.0475	P	0.3
4	☐	5000.000	4838.841	1344590.49	0.4643	P	1.2
5	☐	12500.000	11608.557	3272089.44	1.1111	A	2.2
6	☐	25000.000	23942.518	6307024.97	2.2895	A	0.6
7	☐	50000.000	47927.153	13062387.27	4.5811	A	0.3
8	☐	100000.00	95241.592	27010828.38	9.1018	A	0.5
9	☐	500000.00	501235.76	132585264.0	47.8924	A	0.4

$$y = 9.5545\text{E-}005 * x + 0.0019$$

$$R = 0.9999$$

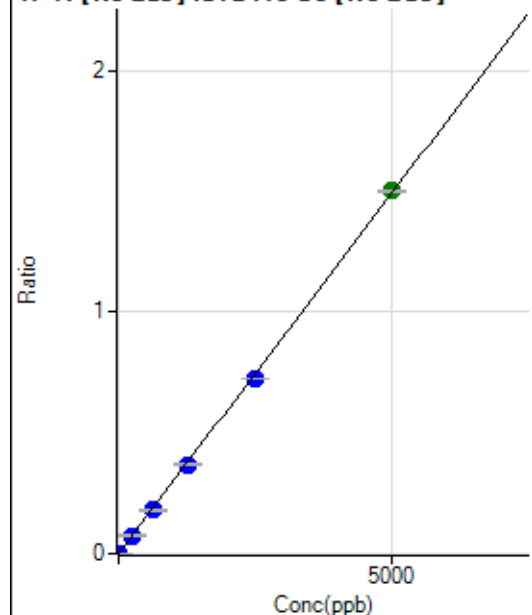
$$DL = 1.463$$

$$BEC = 20.22$$

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	66.67	0.0000	P	56.9
2	☐	0.500					
3	☐	5.000	4.326	3870.11	0.0013	P	9.0
4	☐	250.000	252.739	218376.75	0.0754	P	1.2
5	☐	625.000	602.668	529436.64	0.1798	P	1.4
6	☐	1250.000	1239.288	1018270.69	0.3696	P	0.5
7	☐	2500.000	2436.924	2072503.48	0.7268	P	0.1
8	☐	5000.000	5036.871	4458319.20	1.5023	A	0.3
9	☐			952.85	0.0003	P	7.6

$$y = 2.9826\text{E-}004 * x + 2.2081\text{E-}005$$

$$R = 0.9999$$

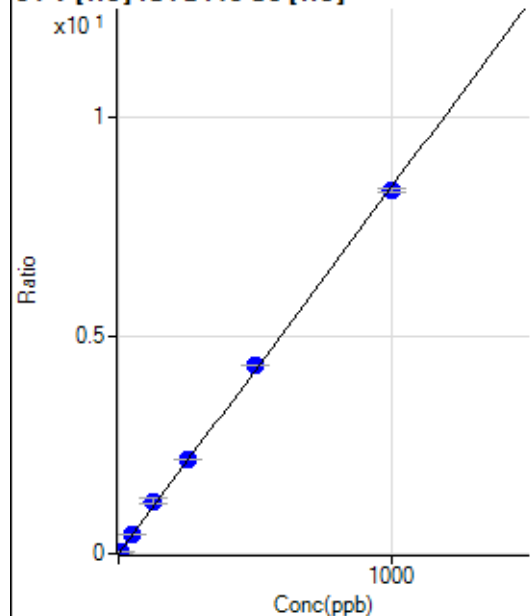
$$DL = 0.1265$$

$$BEC = 0.07403$$

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	4.45	0.0000	P	86.6
2	☐	0.500					
3	☐	5.000	5.401	6804.99	0.0454	P	2.7
4	☐	50.000	51.858	62574.30	0.4358	P	0.7
5	☐	125.000	143.992	151843.90	1.2099	P	10.8
6	☐	250.000	257.411	297341.30	2.1629	P	0.6
7	☐	500.000	512.481	625876.74	4.3062	P	0.3
8	☐	1000.000	989.438	1304205.05	8.3138	P	1.1
9	☐			250.01	0.0016	P	18.1

$$y = 0.0084 * x + 2.9976\text{E-}005$$

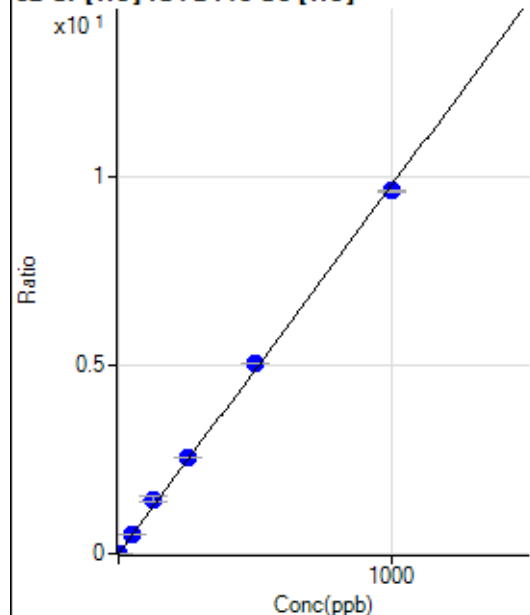
$$R = 0.9997$$

$$DL = 0.009269$$

$$BEC = 0.003567$$

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	406.68	0.0027	P	10.6
2	☐	0.200					
3	☐	2.000	2.080	3449.35	0.0230	P	2.6
4	☐	50.000	53.424	75218.27	0.5238	P	0.5
5	☐	125.000	146.466	179644.80	1.4313	P	10.6
6	☐	250.000	261.214	350626.24	2.5505	P	0.3
7	☐	500.000	517.222	733620.35	5.0475	P	0.1
8	☐	1000.000	985.731	1508690.60	9.6171	P	0.5
9	☐			15779.76	0.1026	P	0.9

$$y = 0.0098 * x + 0.0027$$

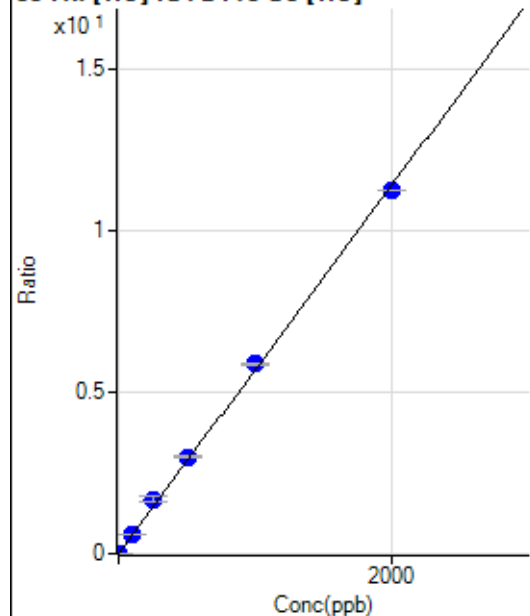
$$R = 0.9995$$

$$DL = 0.0888$$

$$BEC = 0.2801$$

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	35.55	0.0002	P	10.8
2	☐	0.100					
3	☐	1.000	1.098	972.27	0.0065	P	2.7
4	☐	100.000	107.219	87623.45	0.6102	P	0.9
5	☐	250.000	293.609	209701.78	1.6706	P	10.5
6	☐	500.000	526.493	411808.26	2.9955	P	0.7
7	☐	1000.000	1031.845	853239.03	5.8705	P	0.5
8	☐	2000.000	1971.642	1759681.36	11.2170	P	0.2
9	☐			5105.40	0.0332	P	0.6

$$y = 0.0057 * x + 2.3866E-004$$

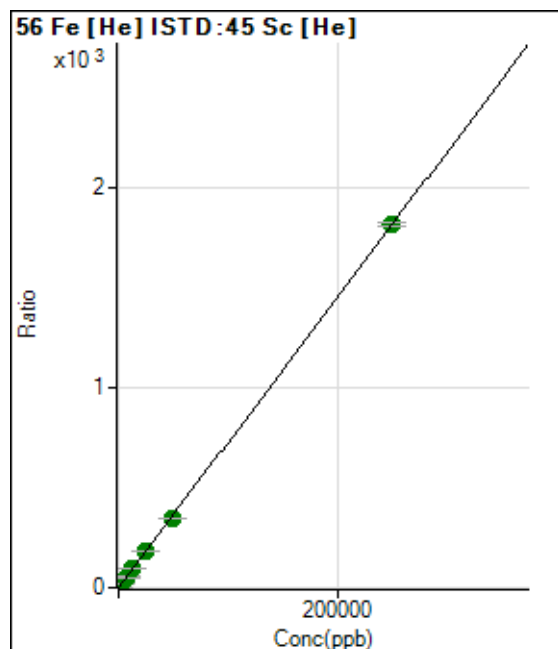
$$R = 0.9995$$

$$DL = 0.01355$$

$$BEC = 0.04195$$

Weight: <None>

Min Conc: 0



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	2278.01	0.0153	P	2.1
2	☐	5.000					
3	☐	50.000	58.797	66111.30	0.4412	P	0.1
4	☐	2500.000	2581.243	2686964.96	18.7112	A	0.2
5	☐	6250.000	7062.938	6422605.93	51.1721	A	10.6
6	☐	12500.000	12698.341	12645881.42	91.9893	A	0.4
7	☐	25000.000	25023.892	26344988.55	181.2632	A	0.5
8	☐	50000.000	47892.772	54417672.51	346.9025	A	1.5
9	☐	250000.00	250388.00	279046756.2	1,813.574	A	1.0

$$y = 0.0072 * x + 0.0153$$

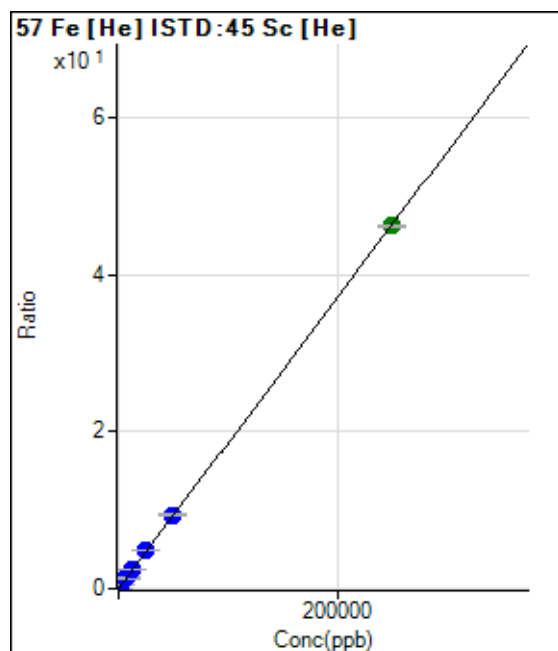
$$R = 0.9999$$

$$DL = 0.1326$$

$$BEC = 2.112$$

Weight: <None>

Min Conc: 0



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	125.93	0.0008	P	10.6
2	☐	5.000					
3	☐	50.000	60.084	1794.60	0.0120	P	7.2
4	☐	2500.000	2660.094	70904.36	0.4937	P	1.0
5	☐	6250.000	7317.965	170215.85	1.3568	P	11.2
6	☐	12500.000	13069.654	333015.82	2.4225	P	0.8
7	☐	25000.000	25911.068	697925.67	4.8020	P	0.3
8	☐	50000.000	50864.179	1478644.56	9.4256	P	0.4
9	☐	250000.00	249679.27	7118697.03	46.2644	A	0.6

$$y = 1.8529E-004 * x + 8.4501E-004$$

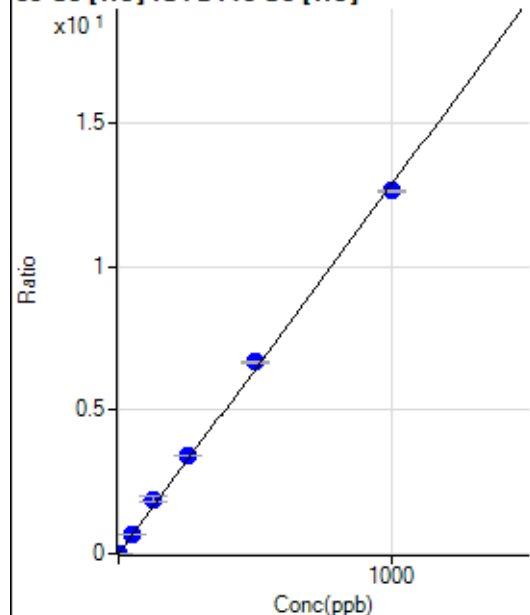
$$R = 1.0000$$

$$DL = 1.447$$

$$BEC = 4.56$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	23.33	0.0002	P	28.8
2	☐	0.100					
3	☐	1.000	1.049	2042.40	0.0136	P	0.9
4	☐	50.000	54.036	99662.23	0.6940	P	0.1
5	☐	125.000	147.402	237591.26	1.8929	P	10.6
6	☐	250.000	264.459	466836.47	3.3960	P	0.6
7	☐	500.000	519.262	969128.79	6.6679	P	0.2
8	☐	1000.000	983.752	1981687.76	12.6323	P	0.4
9	☐			25081.62	0.1630	P	1.0

$$y = 0.0128 * x + 1.5675E-004$$

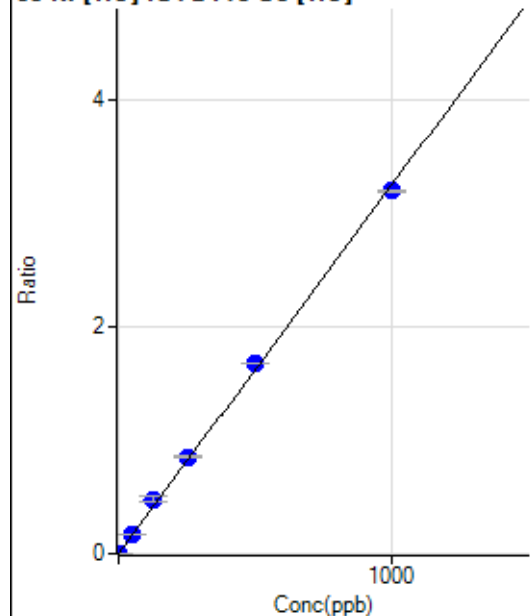
$$R = 0.9994$$

$$DL = 0.01054$$

$$BEC = 0.01221$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	21.11	0.0001	P	60.0
2	☐	0.100					
3	☐	1.000	1.105	557.80	0.0037	P	4.6
4	☐	50.000	54.582	25423.32	0.1770	P	0.2
5	☐	125.000	147.735	60098.17	0.4789	P	11.0
6	☐	250.000	263.291	117327.70	0.8535	P	0.6
7	☐	500.000	517.204	243652.54	1.6764	P	0.6
8	☐	1000.000	985.004	500826.52	3.1925	P	0.3
9	☐			7259.68	0.0472	P	1.0

$$y = 0.0032 * x + 1.4210E-004$$

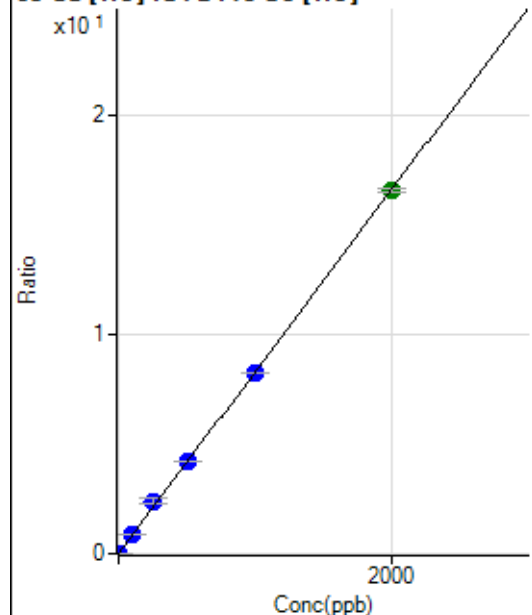
$$R = 0.9995$$

$$DL = 0.07889$$

$$BEC = 0.04385$$

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	192.23	0.0013	P	19.5
2	☐	0.200					
3	☐	2.000	2.108	2811.43	0.0188	P	2.2
4	☐	100.000	104.821	124945.42	0.8701	P	1.0
5	☐	250.000	288.132	299820.41	2.3895	P	11.1
6	☐	500.000	511.670	583199.12	4.2424	P	0.3
7	☐	1000.000	996.049	1200139.90	8.2573	P	0.1
8	☐	2000.000	1994.051	2592998.40	16.5294	A	1.0
9	☐			2941.46	0.0191	P	2.6

$$y = 0.0083 * x + 0.0013$$

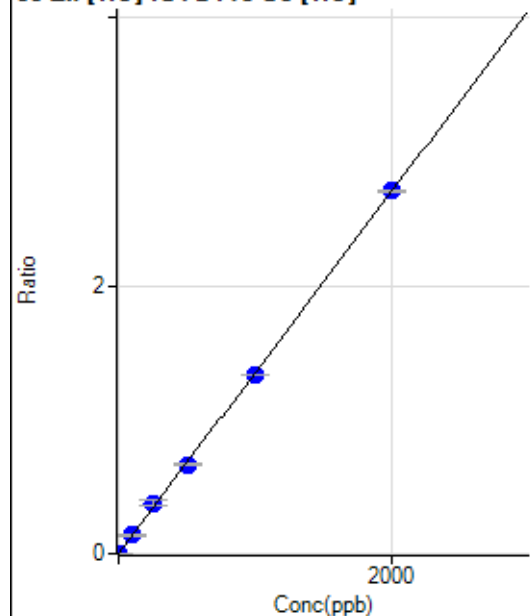
$$R = 0.9998$$

$$DL = 0.09125$$

$$BEC = 0.1556$$

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	81.11	0.0005	P	21.9
2	☐	0.200					
3	☐	2.000	1.837	453.35	0.0030	P	8.1
4	☐	100.000	100.594	19588.90	0.1364	P	2.3
5	☐	250.000	276.299	46886.25	0.3738	P	11.3
6	☐	500.000	493.590	91727.85	0.6673	P	1.2
7	☐	1000.000	988.476	194140.79	1.3357	P	0.1
8	☐	2000.000	2004.047	424750.95	2.7075	P	0.6
9	☐			3205.97	0.0208	P	1.0

$$y = 0.0014 * x + 5.4385E-004$$

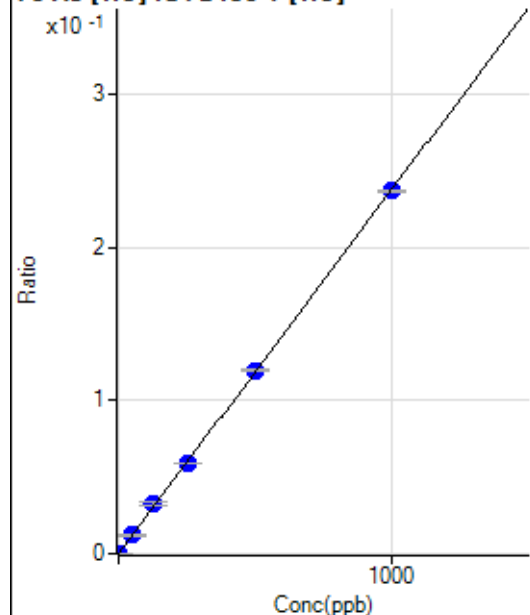
$$R = 0.9999$$

$$DL = 0.2648$$

$$BEC = 0.4026$$

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	3.08	0.0000	P	34.9
2	☐	0.100					
3	☐	1.000	1.101	147.53	0.0003	P	14.0
4	☐	50.000	50.417	6424.31	0.0120	P	1.5
5	☐	125.000	136.170	15538.62	0.0324	P	9.8
6	☐	250.000	248.475	30913.72	0.0591	P	1.1
7	☐	500.000	503.629	65443.81	0.1198	P	0.6
8	☐	1000.000	997.149	137082.73	0.2373	P	0.5
9	☐			227.78	0.0004	P	6.0

$$y = 2.3794\text{E-}004 * x + 5.6665\text{E-}006$$

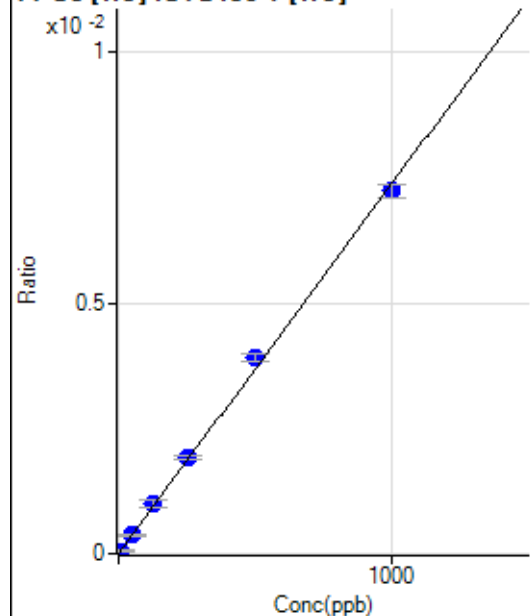
$$R = 0.9999$$

$$DL = 0.02494$$

$$BEC = 0.02381$$

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					
3	☐	5.000	6.830	27.78	0.0001	P	38.0
4	☐	50.000	49.841	196.67	0.0004	P	18.0
5	☐	125.000	135.370	476.68	0.0010	P	16.7
6	☐	250.000	257.933	993.38	0.0019	P	4.2
7	☐	500.000	530.170	2132.41	0.0039	P	3.2
8	☐	1000.000	981.635	4176.22	0.0072	P	3.8
9	☐			2.22	0.0000	P	86.6

$$y = 7.3642\text{E-}006 * x + 0.0000\text{E+}000$$

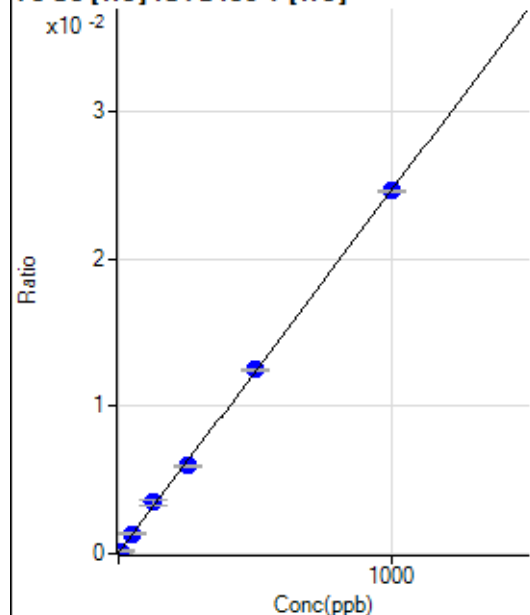
$$R = 0.9992$$

$$DL = 0$$

$$BEC = 0$$

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	30.25	0.0001	P	3.8
2	☐	0.500					
3	☐	5.000	5.603	106.79	0.0002	P	6.7
4	☐	50.000	52.646	724.10	0.0014	P	8.3
5	☐	125.000	139.207	1671.72	0.0035	P	9.6
6	☐	250.000	239.243	3111.47	0.0060	P	2.4
7	☐	500.000	504.432	6817.70	0.0125	P	1.1
8	☐	1000.000	998.562	14248.43	0.0247	P	0.8
9	☐			39.51	0.0001	P	31.9

$$y = 2.4641\text{E-}005 * x + 5.5542\text{E-}005$$

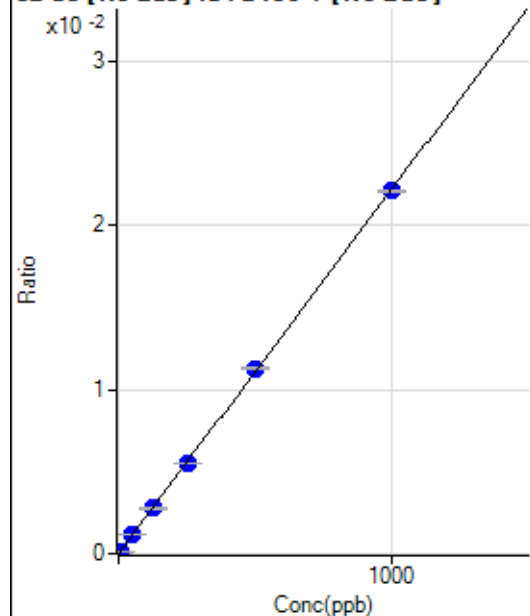
$$R = 0.9998$$

$$DL = 0.2567$$

$$BEC = 2.254$$

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	27.78	0.0000	P	23.9
2	☐	0.500					
3	☐	5.000	5.202	430.75	0.0001	P	2.8
4	☐	50.000	51.236	3959.77	0.0011	P	1.9
5	☐	125.000	124.972	9792.30	0.0028	P	2.5
6	☐	250.000	248.874	18715.99	0.0055	P	0.6
7	☐	500.000	507.298	38967.74	0.0112	P	1.0
8	☐	1000.000	996.573	79466.19	0.0221	P	0.3
9	☐			72.26	0.0000	P	12.9

$$y = 2.2143\text{E-}005 * x + 7.6925\text{E-}006$$

$$R = 1.0000$$

$$DL = 0.249$$

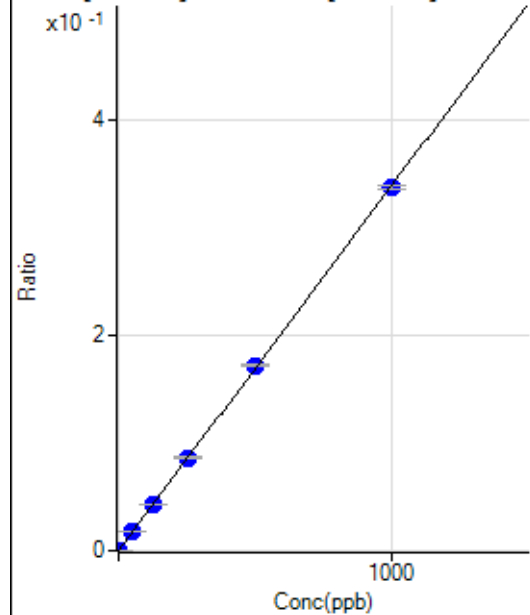
$$BEC = 0.3474$$

Weight: <None>

Min Conc: 0

83 Kr [No Gas] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			150.00		P	13.5
2	☐						
3	☐			143.34		P	12.1
4	☐			106.67		P	9.4
5	☐			111.12		P	35.0
6	☐			144.45		P	6.7
7	☐			122.22		P	8.8
8	☐			135.56		P	18.5
9	☐			157.78		P	8.5

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	200.01	0.0001	P	24.8
2	☐	0.100					
3	☐	1.000	1.086	1480.70	0.0004	P	0.4
4	☐	50.000	50.816	59744.38	0.0172	P	1.3
5	☐	125.000	126.197	150730.42	0.0427	P	1.9
6	☐	250.000	254.238	291640.36	0.0860	P	1.4
7	☐	500.000	508.377	595832.87	0.1719	P	0.8
8	☐	1000.000	994.562	1210388.34	0.3362	P	1.0
9	☐			5398.44	0.0016	P	4.8

$$y = 3.3802E-004 * x + 5.5396E-005$$

$$R = 0.9999$$

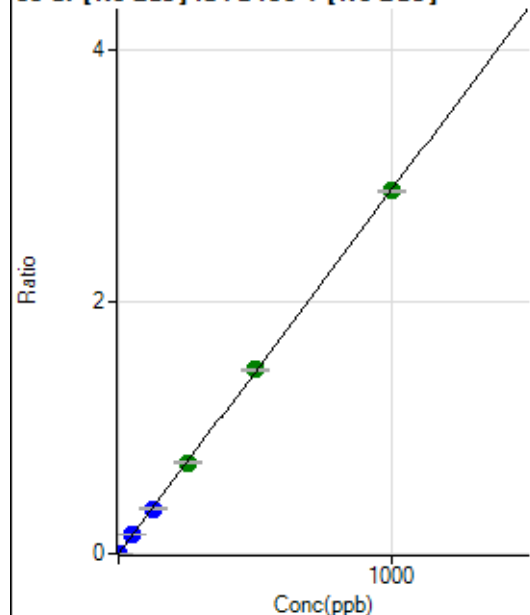
$$DL = 0.1219$$

$$BEC = 0.1639$$

Weight: <None>

Min Conc: 0

88 Sr [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	26.6
2	☐	0.100					
3	☐	1.000	1.022	10429.24	0.0030	P	1.8
4	☐	50.000	50.686	507932.10	0.1465	P	0.5
5	☐	125.000	123.521	1259798.41	0.3570	P	2.8
6	☐	250.000	250.357	2453989.45	0.7236	A	0.7
7	☐	500.000	505.104	5060248.25	1.4598	A	0.4
8	☐	1000.000	997.509	10378138.17	2.8830	A	0.3
9	☐			43703.70	0.0132	P	0.9

$$y = 0.0029 * x + 2.3098E-005$$

$$R = 1.0000$$

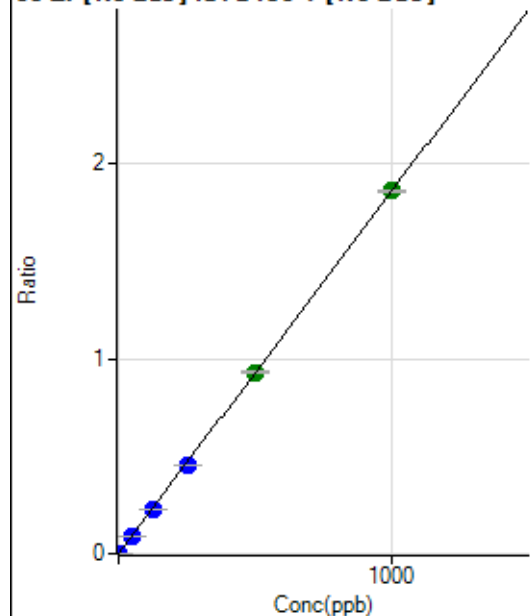
$$DL = 0.006389$$

$$BEC = 0.007992$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	286.13	0.0001	P	24.9
2	☐	0.100					
3	☐	1.000	1.010	6846.34	0.0020	P	3.4
4	☐	50.000	49.794	320690.75	0.0925	P	0.3
5	☐	125.000	122.279	801220.46	0.2270	P	1.7
6	☐	250.000	245.316	1544513.55	0.4554	P	0.3
7	☐	500.000	499.837	3216149.16	0.9278	A	0.8
8	☐	1000.000	1001.603	6692639.47	1.8592	A	0.6
9	☐			2014.12	0.0006	P	12.3

$$y = 0.0019 * x + 7.9288E-005$$

$$R = 1.0000$$

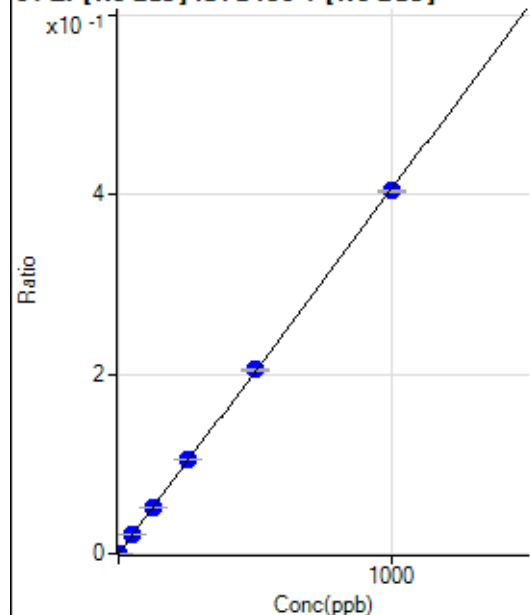
$$DL = 0.03188$$

$$BEC = 0.04272$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	52.78	0.0000	P	9.1
2	☐	0.100					
3	☐	1.000	0.970	1433.46	0.0004	P	3.1
4	☐	50.000	51.599	72743.91	0.0210	P	0.9
5	☐	125.000	126.259	181110.85	0.0513	P	1.3
6	☐	250.000	257.628	355088.68	0.1047	P	0.3
7	☐	500.000	504.995	711321.09	0.2052	P	0.9
8	☐	1000.000	995.358	1456018.60	0.4045	P	0.6
9	☐			477.81	0.0001	P	18.4

$$y = 4.0635E-004 * x + 1.4622E-005$$

$$R = 0.9999$$

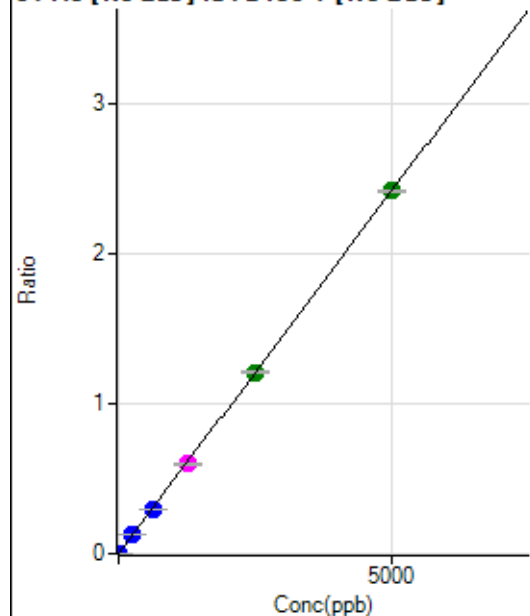
$$DL = 0.00983$$

$$BEC = 0.03598$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	122.23	0.0000	P	54.6
2	☐	0.500					
3	☐	5.000	4.562	7852.45	0.0022	P	5.2
4	☐	250.000	252.905	424122.07	0.1223	P	0.5
5	☐	625.000	616.458	1052171.71	0.2981	P	1.5
6	☐	1250.000	1236.374	2027873.46	0.5979	M	0.6
7	☐	2500.000	2502.954	4195694.54	1.2105	A	0.8
8	☐	5000.000	5002.852	8709408.01	2.4194	A	0.5
9	☐			3872.90	0.0012	P	8.5

$$y = 4.8360E-004 * x + 3.3839E-005$$

$$R = 1.0000$$

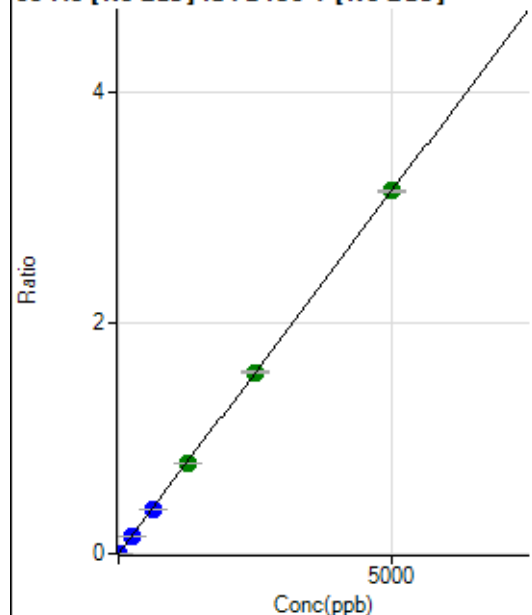
$$DL = 0.1147$$

$$BEC = 0.06997$$

Weight: <None>

Min Conc: 0

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



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	27.78	0.0000	P	34.8
2	☐	0.500					
3	☐	5.000	4.319	9528.55	0.0027	P	1.5
4	☐	250.000	250.399	544900.62	0.1572	P	0.8
5	☐	625.000	606.353	1343057.67	0.3806	P	1.5
6	☐	1250.000	1238.846	2637037.69	0.7776	A	0.7
7	☐	2500.000	2502.332	5444042.65	1.5706	A	0.4
8	☐	5000.000	5003.934	11305941.05	3.1407	A	0.2
9	☐			5793.08	0.0017	P	7.0

$$y = 6.2764\text{E-}004 * x + 7.7007\text{E-}006$$

$$R = 1.0000$$

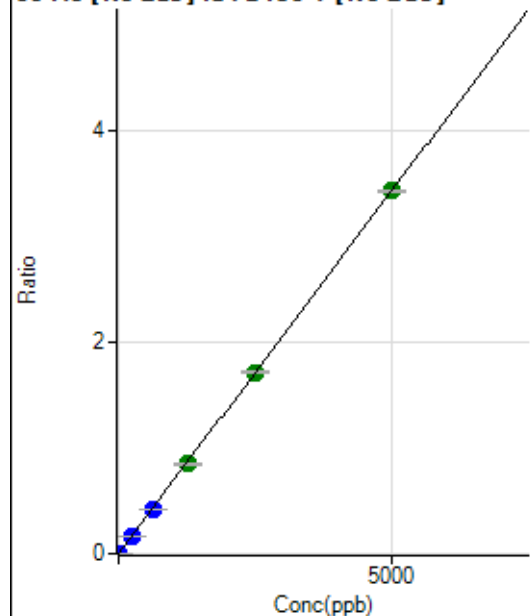
$$DL = 0.01283$$

$$BEC = 0.01227$$

Weight: <None>

Min Conc: 0

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



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	44.45	0.0000	P	11.2
2	☐	0.500					
3	☐	5.000	4.551	10985.20	0.0031	P	1.2
4	☐	250.000	250.963	596789.79	0.1721	P	0.6
5	☐	625.000	610.462	1477548.86	0.4187	P	1.8
6	☐	1250.000	1235.492	2873864.10	0.8474	A	0.7
7	☐	2500.000	2505.551	5956510.07	1.7184	A	0.7
8	☐	5000.000	5002.621	12351289.51	3.4310	A	0.4
9	☐			9172.77	0.0028	P	2.7

$$y = 6.8584\text{E-}004 * x + 1.2316\text{E-}005$$

$$R = 1.0000$$

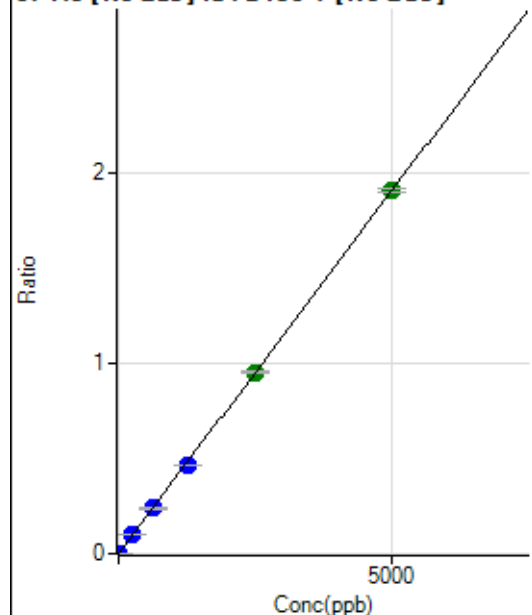
$$DL = 0.006016$$

$$BEC = 0.01796$$

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	41.67	0.0000	P	60.3
2	☐	0.500					
3	☐	5.000	4.484	6009.85	0.0017	P	2.9
4	☐	250.000	256.840	338236.15	0.0976	P	0.8
5	☐	625.000	624.054	836474.18	0.2370	P	2.1
6	☐	1250.000	1226.188	1579560.79	0.4657	P	0.3
7	☐	2500.000	2501.369	3293147.08	0.9501	A	0.9
8	☐	5000.000	5005.045	6843528.19	1.9010	A	0.9
9	☐			3361.65	0.0010	P	9.3

$$y = 3.7982\text{E-}004 * x + 1.1554\text{E-}005$$

$$R = 1.0000$$

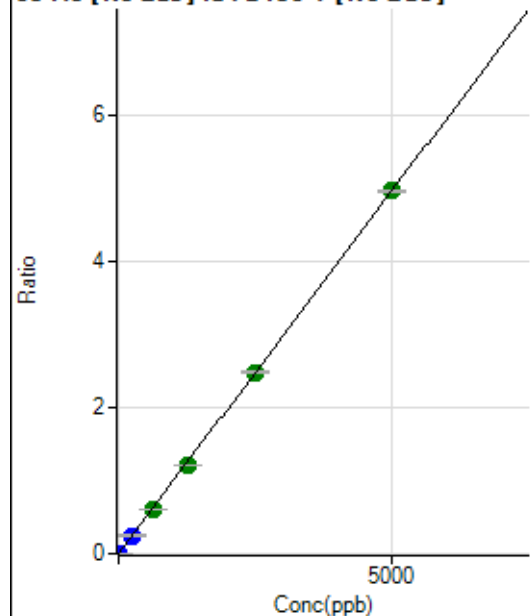
$$DL = 0.05499$$

$$BEC = 0.03042$$

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	25.00	0.0000	P	33.4
2	☐	0.500					
3	☐	5.000	4.523	15739.81	0.0045	P	2.3
4	☐	250.000	251.014	862657.71	0.2488	P	0.9
5	☐	625.000	607.218	2124049.33	0.6019	A	2.0
6	☐	1250.000	1229.822	4134416.46	1.2191	A	0.4
7	☐	2500.000	2501.129	8593390.12	2.4792	A	1.1
8	☐	5000.000	5006.653	17865160.47	4.9628	A	0.3
9	☐			8347.16	0.0025	P	3.3

$$y = 9.9124\text{E-}004 * x + 6.9285\text{E-}006$$

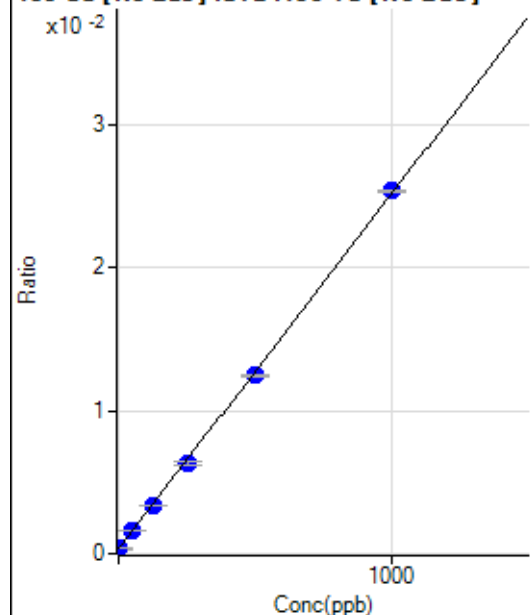
$$R = 1.0000$$

$$DL = 0.007006$$

$$BEC = 0.00699$$

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	1272.33	0.0003	P	2.1
2	☐	0.100					
3	☐	1.000	1.056	1352.90	0.0004	P	1.5
4	☐	50.000	51.157	5965.42	0.0016	P	3.8
5	☐	125.000	121.373	12870.23	0.0033	P	2.6
6	☐	250.000	240.416	23578.59	0.0063	P	2.9
7	☐	500.000	487.980	47419.12	0.0124	P	1.7
8	☐	1000.000	1008.801	100247.67	0.0254	P	0.6
9	☐			1230.66	0.0003	P	14.1

$$y = 2.4820\text{E-}005 * x + 3.3744\text{E-}004$$

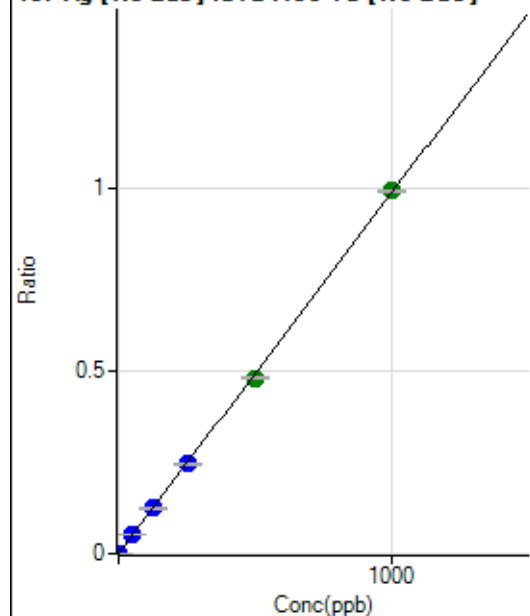
$$R = 0.9998$$

$$DL = 0.8489$$

$$BEC = 13.6$$

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	41.67	0.0000	P	20.0
2	☐	0.100					
3	☐	1.000	1.157	4295.28	0.0012	P	0.9
4	☐	50.000	52.238	191696.03	0.0516	P	1.0
5	☐	125.000	125.976	478349.17	0.1245	P	3.2
6	☐	250.000	248.569	918752.98	0.2457	P	1.0
7	☐	500.000	487.028	1833527.49	0.4814	A	0.8
8	☐	1000.000	1006.610	3930204.34	0.9949	A	0.8
9	☐			408.36	0.0001	P	35.0

$$y = 9.8834\text{E-}004 * x + 1.1053\text{E-}005$$

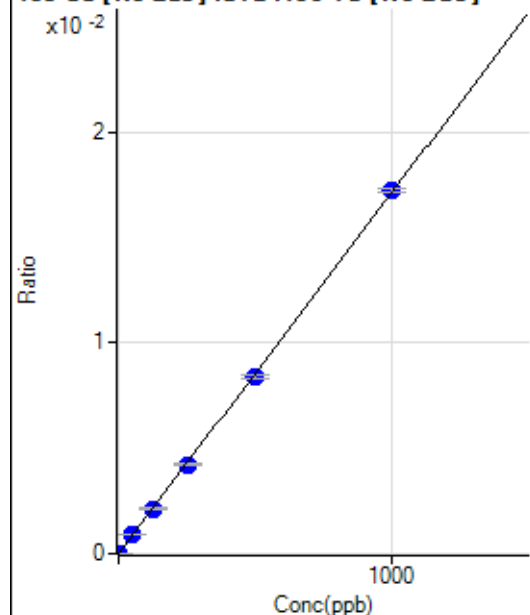
$$R = 0.9999$$

$$DL = 0.006719$$

$$BEC = 0.01118$$

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	4.17	0.0000	P	99.6
2	☐	0.100					
3	☐	1.000	0.981	66.67	0.0000	P	28.0
4	☐	50.000	53.213	3383.81	0.0009	P	3.5
5	☐	125.000	123.712	8135.83	0.0021	P	5.0
6	☐	250.000	246.964	15807.71	0.0042	P	1.7
7	☐	500.000	489.269	31893.07	0.0084	P	2.3
8	☐	1000.000	1006.125	68022.37	0.0172	P	1.1
9	☐			31.95	0.0000	P	41.5

$$y = 1.7112\text{E-}005 * x + 1.1058\text{E-}006$$

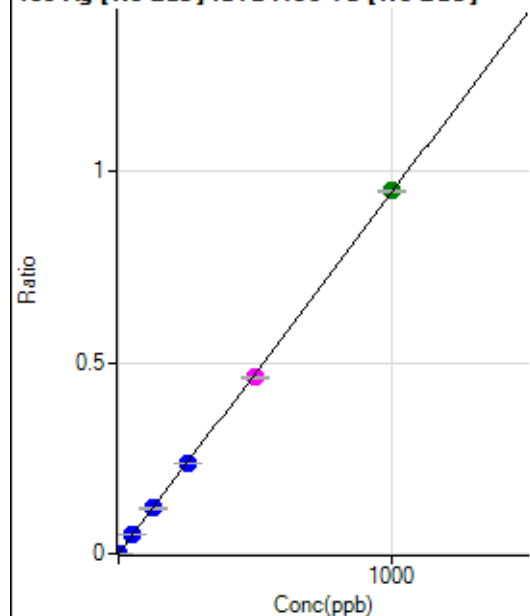
$$R = 0.9999$$

$$DL = 0.1932$$

$$BEC = 0.06462$$

Weight: <None>

Min Conc: 0

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

	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	27.78	0.0000	P	96.2
2	☐	0.100					
3	☐	1.000	1.046	3697.87	0.0010	P	3.8
4	☐	50.000	52.706	184616.84	0.0497	P	0.1
5	☐	125.000	126.145	457243.26	0.1190	P	2.4
6	☐	250.000	251.025	885617.14	0.2368	P	1.2
7	☐	500.000	488.812	1756564.54	0.4612	M	1.1
8	☐	1000.000	1005.059	3745794.92	0.9482	A	0.6
9	☐			427.80	0.0001	P	29.6

$$y = 9.4342\text{E-}004 * x + 7.3469\text{E-}006$$

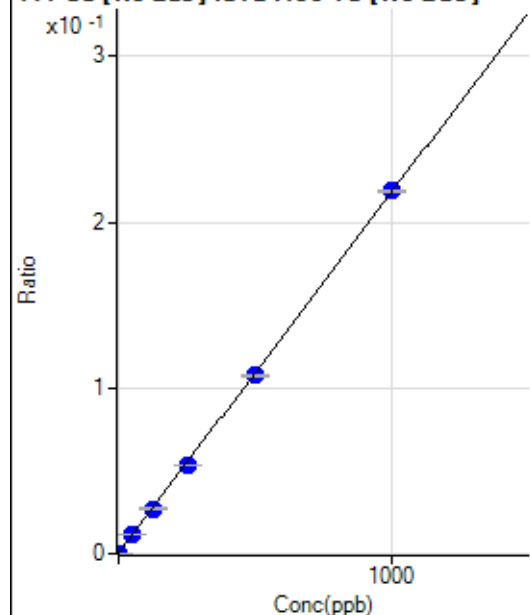
$$R = 0.9999$$

$$DL = 0.02246$$

$$BEC = 0.007788$$

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	890.50	0.0002	P	2.5
2	☐	0.100					
3	☐	1.000	0.995	1683.74	0.0005	P	1.8
4	☐	50.000	50.707	41829.25	0.0113	P	0.4
5	☐	125.000	123.415	104054.27	0.0271	P	2.7
6	☐	250.000	245.569	200663.65	0.0537	P	0.5
7	☐	500.000	492.562	409047.62	0.1074	P	1.4
8	☐	1000.000	1004.990	864625.37	0.2189	P	0.8
9	☐			958.55	0.0003	P	13.7

$$y = 2.1755E-004 * x + 2.3617E-004$$

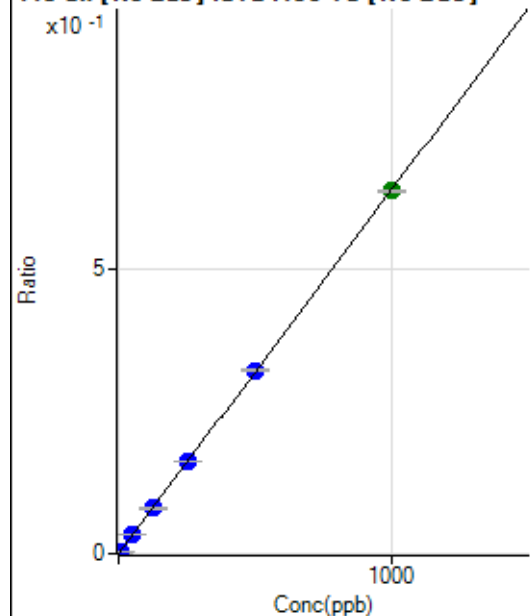
$$R = 0.9999$$

$$DL = 0.08129$$

$$BEC = 1.086$$

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	127.78	0.0000	P	34.1
2	☐	0.500					
3	☐	5.000	5.340	12822.99	0.0034	P	2.9
4	☐	50.000	51.300	121847.60	0.0328	P	2.4
5	☐	125.000	124.772	306513.42	0.0798	P	3.4
6	☐	250.000	253.001	604923.43	0.1618	P	0.6
7	☐	500.000	503.258	1225439.56	0.3217	P	1.0
8	☐	1000.000	997.583	2519252.79	0.6377	A	0.3
9	☐			986.18	0.0003	P	9.8

$$y = 6.3921E-004 * x + 3.3934E-005$$

$$R = 1.0000$$

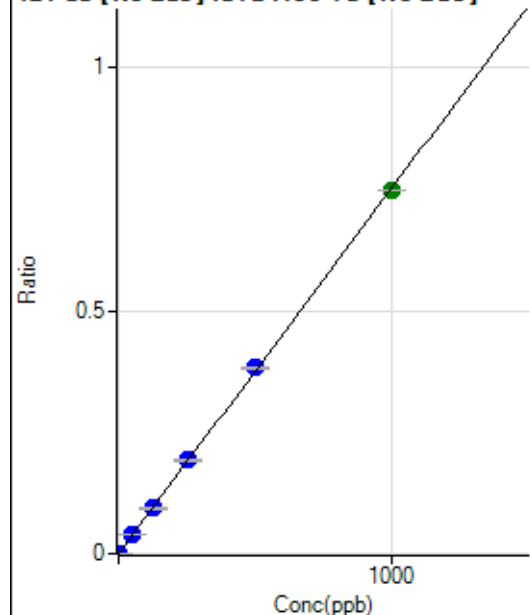
$$DL = 0.05428$$

$$BEC = 0.05309$$

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	38.89	0.0000	P	87.1
2	☐	0.200					
3	☐	2.000	1.953	5492.96	0.0015	P	2.5
4	☐	50.000	51.981	144910.67	0.0390	P	1.1
5	☐	125.000	125.382	361638.03	0.0941	P	3.1
6	☐	250.000	255.815	718202.84	0.1921	P	0.7
7	☐	500.000	509.670	1457463.64	0.3826	P	1.2
8	☐	1000.000	993.565	2946624.78	0.7459	A	0.1
9	☐			4164.70	0.0012	P	7.0

$$y = 7.5071\text{E-}004 * x + 1.0345\text{E-}005$$

$$R = 0.9999$$

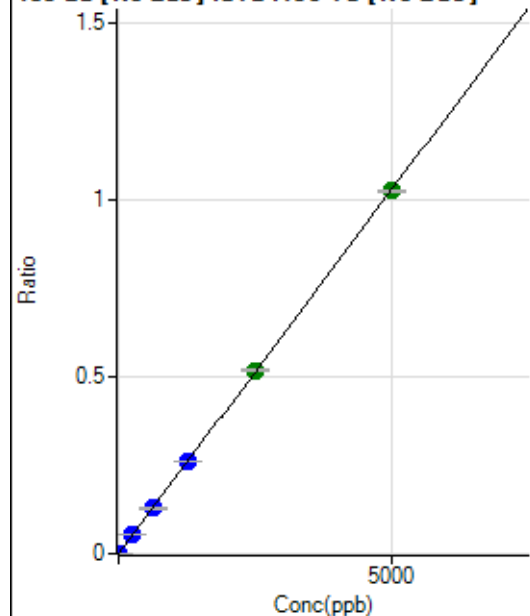
$$DL = 0.03602$$

$$BEC = 0.01378$$

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	8.33	0.0000	P	100.
2	☐	1.000					
3	☐	10.000	10.430	7977.62	0.0021	P	1.1
4	☐	250.000	256.953	195918.83	0.0528	P	1.6
5	☐	625.000	622.495	491204.63	0.1279	P	2.4
6	☐	1250.000	1257.710	966011.20	0.2583	P	0.4
7	☐	2500.000	2523.461	1974175.20	0.5183	A	0.8
8	☐	5000.000	4986.306	4045701.91	1.0241	A	0.6
9	☐			680.61	0.0002	P	14.4

$$y = 2.0539\text{E-}004 * x + 2.2173\text{E-}006$$

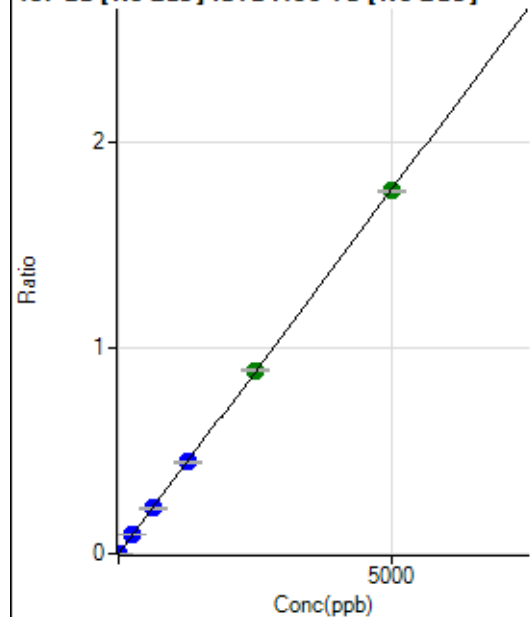
$$R = 1.0000$$

$$DL = 0.03252$$

$$BEC = 0.0108$$

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	11.11	0.0000	P	86.6
2	☐	1.000					
3	☐	10.000	10.741	14127.14	0.0038	P	2.9
4	☐	250.000	261.207	342629.04	0.0923	P	0.4
5	☐	625.000	629.613	854638.22	0.2225	P	3.1
6	☐	1250.000	1260.782	1665846.10	0.4455	P	1.3
7	☐	2500.000	2519.561	3390913.57	0.8902	A	1.1
8	☐	5000.000	4986.386	6960209.53	1.7618	A	0.3
9	☐			1030.64	0.0003	P	3.7

$$y = 3.5333\text{E-}004 * x + 2.9373\text{E-}006$$

$$R = 1.0000$$

$$DL = 0.0216$$

$$BEC = 0.008313$$

Weight: <None>

Min Conc: 0

150 Nd [No Gas] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			2.22		P	173.
2	☐						
3	☐			6.67		P	100.
4	☐			17.78		P	21.7
5	☐			40.00		P	16.7
6	☐			88.89		P	15.6
7	☐			122.23		P	32.9
8	☐			244.46		P	17.7
9	☐			60.00		P	11.1

150 Nd [He] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			0.00		P	
2	☐						
3	☐			1.11		P	173.
4	☐			1.11		P	173.
5	☐			4.45		P	86.6
6	☐			13.34		P	43.3
7	☐			23.33		P	37.8
8	☐			28.89		P	17.6
9	☐			28.89		P	6.7

156 Dy [No Gas] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			8.33		P	100.
2	☐						
3	☐			2.78		P	173.
4	☐			5.56		P	173.
5	☐			2.78		P	173.
6	☐			8.33		P	100.
7	☐			33.33		P	43.3
8	☐			55.56		P	31.2
9	☐			41.67		P	34.7

156 Dy [He] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			0.00		P	
2	☐						
3	☐			1.11		P	173.
4	☐			5.55		P	69.3
5	☐			7.78		P	65.5
6	☐			21.11		P	32.9
7	☐			51.11		P	10.0
8	☐			83.34		P	10.6
9	☐			24.44		P	20.8

160 Gd [No Gas] Noavailable calibration poin_

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			25.00		P	57.7
2	☐						
3	☐			16.67		P	NaN
4	☐			30.56		P	56.8
5	☐			33.33		P	25.0
6	☐			16.67		P	86.6
7	☐			27.78		P	62.5
8	☐			27.78		P	34.6
9	☐			27.78		P	17.3

160 Gd [He] No available calibration points

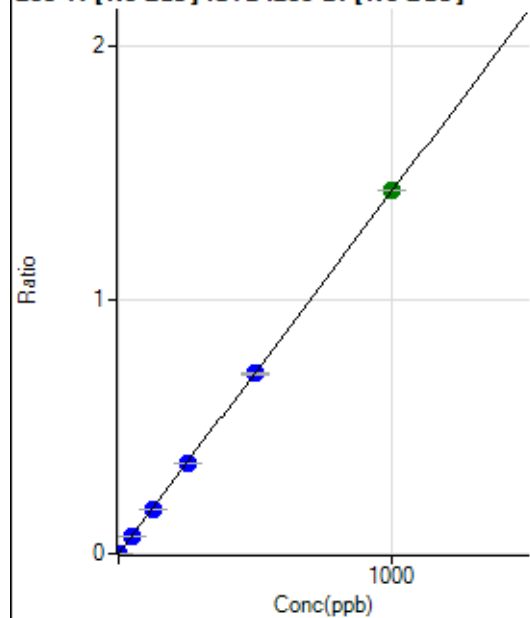
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			64.45		P	38.1
2	☐						
3	☐			55.55		P	24.2
4	☐			52.22		P	38.5
5	☐			61.11		P	3.1
6	☐			57.78		P	3.3
7	☐			66.67		P	18.0
8	☐			86.67		P	25.2
9	☐			66.67		P	13.2

164 Er [No Gas] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			8.33		P	100.
2	☐						
3	☐			16.66		P	86.6
4	☐			5.55		P	86.6
5	☐			27.78		P	96.4
6	☐			19.45		P	24.7
7	☐			22.22		P	57.3
8	☐			30.56		P	56.8
9	☐			11.11		P	43.3

164 Er [He] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			2.22		P	173.
2	☐						
3	☐			2.22		P	86.6
4	☐			4.44		P	114.
5	☐			6.67		P	0.0
6	☐			12.22		P	63.0
7	☐			10.00		P	88.2
8	☐			11.11		P	96.4
9	☐			17.78		P	75.8

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	11.11	0.0000	P	86.6
2	☐	0.100					
3	☐	1.000	0.974	2844.89	0.0014	P	10.2
4	☐	50.000	48.958	142582.94	0.0697	P	1.0
5	☐	125.000	120.643	367794.73	0.1717	P	0.9
6	☐	250.000	248.010	727350.54	0.3530	P	0.2
7	☐	500.000	496.915	1463093.10	0.7073	P	0.5
8	☐	1000.000	1002.637	2950488.59	1.4271	A	0.1
9	☐			1019.53	0.0006	P	12.1

$$y = 0.0014 * x + 5.2155E-006$$

$$R = 1.0000$$

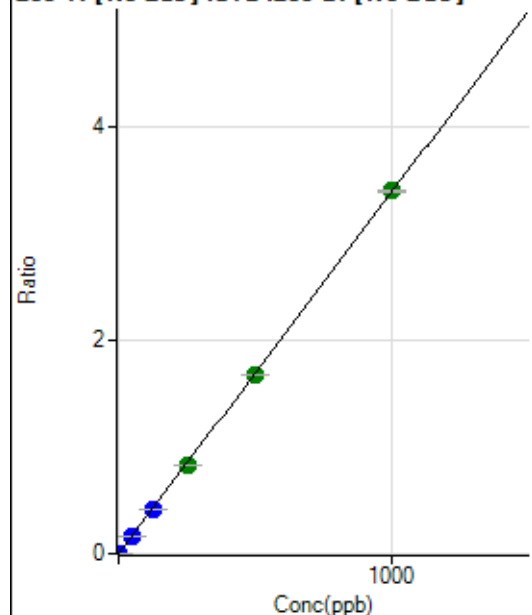
$$DL = 0.00952$$

$$BEC = 0.003664$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	19.44	0.0000	P	65.5
2	☐	0.100					
3	☐	1.000	0.990	6865.96	0.0034	P	5.6
4	☐	50.000	49.657	343650.48	0.1680	P	0.2
5	☐	125.000	121.434	879733.98	0.4107	P	0.6
6	☐	250.000	245.023	1707611.19	0.8288	A	0.1
7	☐	500.000	495.375	3466080.54	1.6756	A	0.6
8	☐	1000.000	1004.020	7020933.32	3.3960	A	0.5
9	☐			2561.47	0.0015	P	11.8

$$y = 0.0034 * x + 9.1236E-006$$

$$R = 1.0000$$

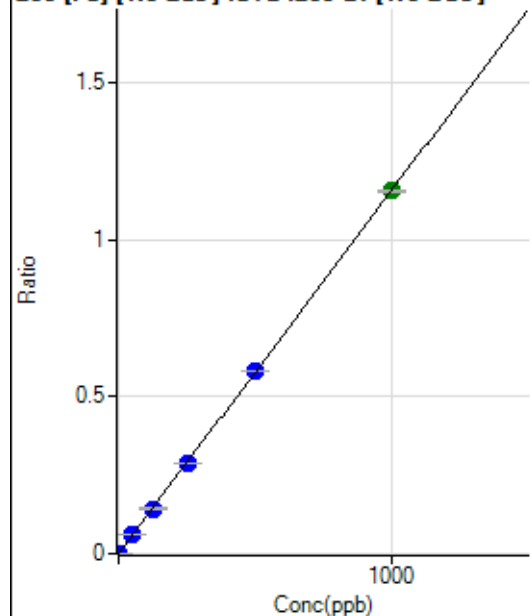
$$DL = 0.005297$$

$$BEC = 0.002697$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	116.67	0.0001	P	20.8
2	☐	0.100					
3	☐	1.000	1.007	2492.89	0.0012	P	3.7
4	☐	50.000	50.575	119782.54	0.0585	P	0.4
5	☐	125.000	123.927	307098.17	0.1434	P	0.9
6	☐	250.000	249.644	595016.06	0.2888	P	0.2
7	☐	500.000	501.661	1200331.48	0.5803	P	0.4
8	☐	1000.000	999.364	2389735.53	1.1559	A	0.3
9	☐			2220.63	0.0013	P	5.4

$$y = 0.0012 * x + 5.4749E-005$$

$$R = 1.0000$$

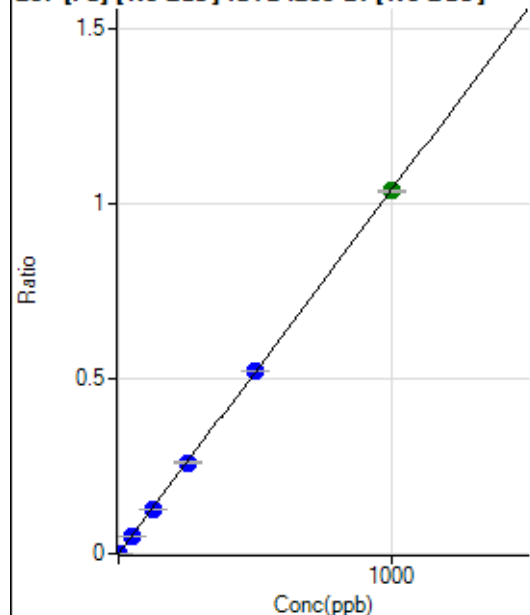
$$DL = 0.02948$$

$$BEC = 0.04734$$

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	81.48	0.0000	P	14.2
2	☐	0.100					
3	☐	1.000	0.957	2111.34	0.0010	P	5.2
4	☐	50.000	49.395	105132.08	0.0514	P	0.6
5	☐	125.000	121.993	271692.62	0.1269	P	1.0
6	☐	250.000	251.028	537749.87	0.2610	P	0.7
7	☐	500.000	504.411	1084752.38	0.5244	P	0.1
8	☐	1000.000	997.944	2144830.08	1.0374	A	0.4
9	☐			1750.17	0.0010	P	4.3

$$y = 0.0010 * x + 3.8237E-005$$

$$R = 1.0000$$

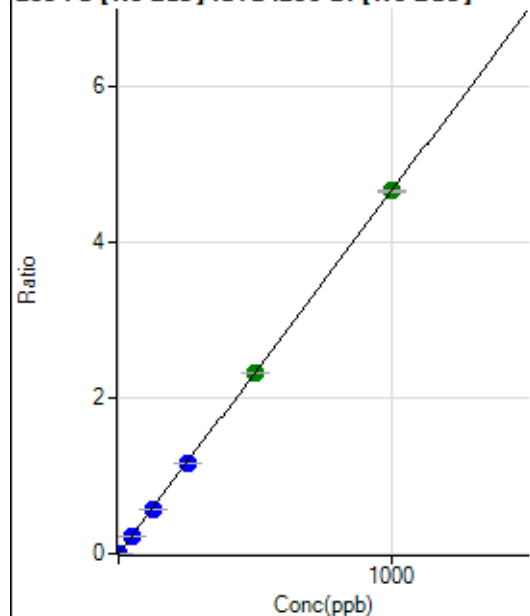
$$DL = 0.01567$$

$$BEC = 0.03678$$

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	375.94	0.0002	P	6.0
2	☐	0.100					
3	☐	1.000	1.009	9979.55	0.0049	P	1.0
4	☐	50.000	49.758	475149.08	0.2322	P	0.6
5	☐	125.000	122.346	1222497.30	0.5708	P	1.2
6	☐	250.000	251.134	2413661.06	1.1715	P	0.2
7	☐	500.000	499.979	4824055.85	2.3321	A	0.1
8	☐	1000.000	1000.071	9643388.53	4.6645	A	0.4
9	☐			8334.61	0.0049	P	3.1

$$y = 0.0047 * x + 1.7641E-004$$

$$R = 1.0000$$

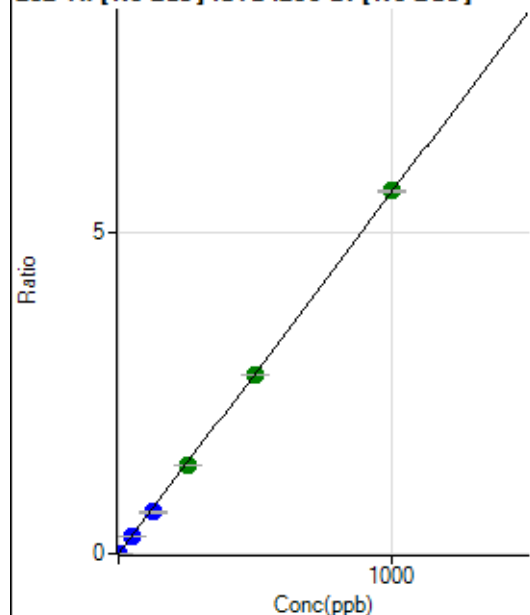
$$DL = 0.006753$$

$$BEC = 0.03782$$

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	27.78	0.0000	P	20.0
2	☐	0.100					
3	☐	1.000	0.927	10682.45	0.0052	P	1.9
4	☐	50.000	46.737	537904.50	0.2629	P	0.5
5	☐	125.000	115.451	1390924.08	0.6494	P	1.9
6	☐	250.000	243.084	2817388.87	1.3674	A	0.3
7	☐	500.000	496.276	5774740.12	2.7916	A	0.1
8	☐	1000.000	1004.948	11687198.99	5.6530	A	0.2
9	☐			2081.71	0.0012	P	12.6

$$y = 0.0056 * x + 1.3034E-005$$

$$R = 0.9999$$

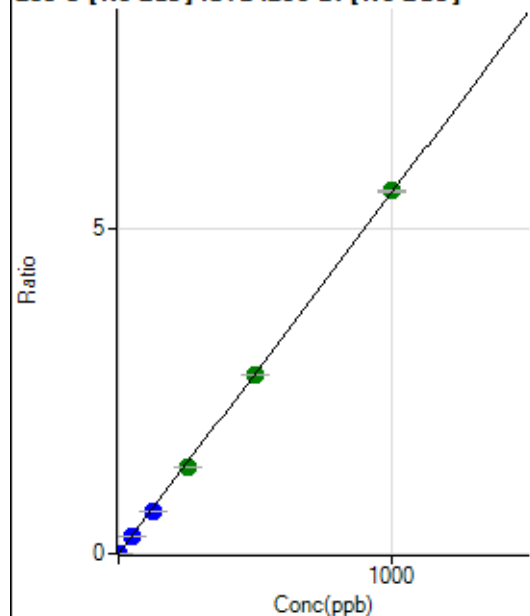
$$DL = 0.00139$$

$$BEC = 0.002317$$

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	36.11	0.0000	P	74.2
2	☐	0.100					
3	☐	1.000	0.930	10610.34	0.0052	P	2.5
4	☐	50.000	47.406	539886.81	0.2639	P	0.2
5	☐	125.000	117.458	1400301.12	0.6538	P	0.7
6	☐	250.000	241.858	2773769.88	1.3462	A	0.5
7	☐	500.000	495.699	5707437.15	2.7591	A	0.7
8	☐	1000.000	1005.259	11568328.64	5.5954	A	0.5
9	☐			972.31	0.0006	P	15.4

$$y = 0.0056 * x + 1.6947E-005$$

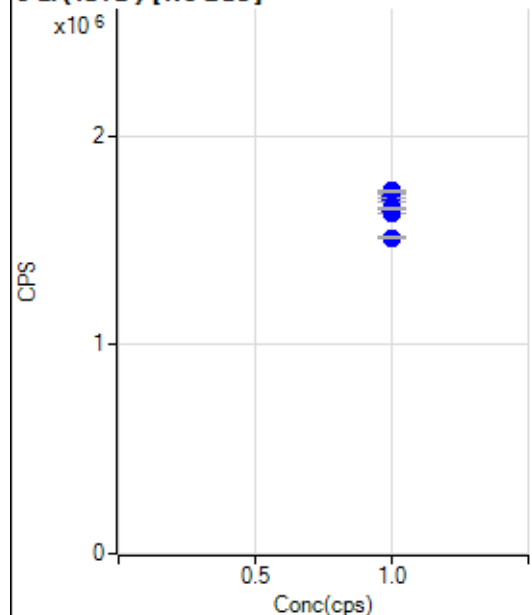
$$R = 0.9999$$

$$DL = 0.006775$$

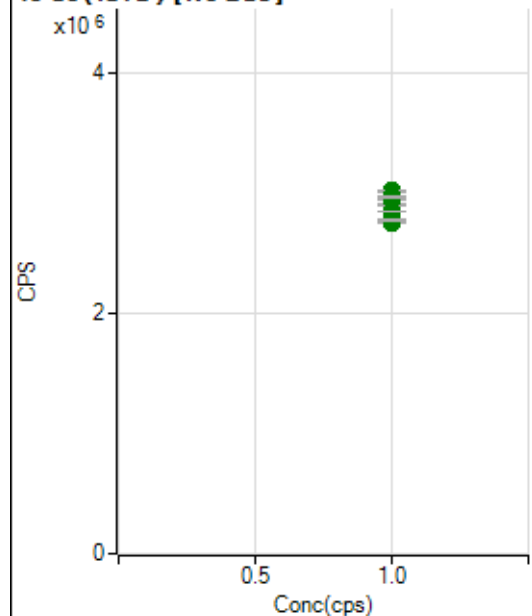
$$BEC = 0.003045$$

Weight: <None>

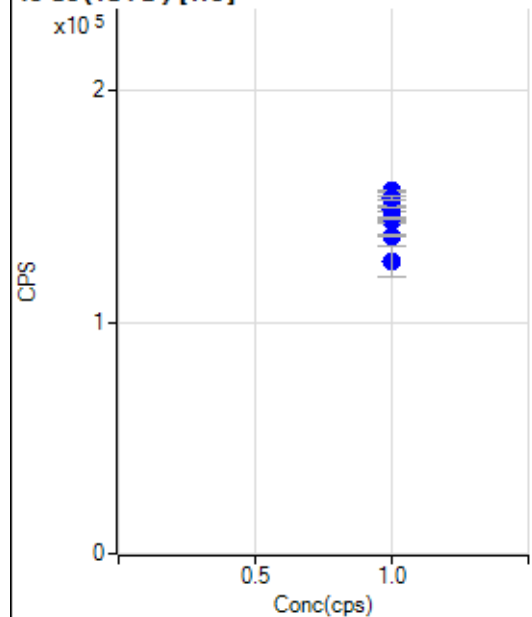
Min Conc: 0

6 Li (ISTD) [No Gas]

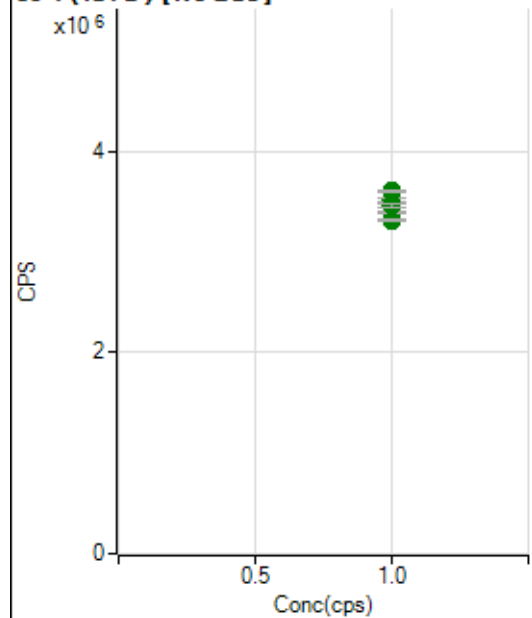
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		1736821.11		P	0.8
2	☐	1.000					
3	☐	1.000		1692314.50		P	1.2
4	☐	1.000		1712896.64		P	0.9
5	☐	1.000		1738020.54		P	0.5
6	☐	1.000		1639488.79		P	0.9
7	☐	1.000		1630291.60		P	0.5
8	☐	1.000		1650028.14		P	0.6
9	☐	1.000		1510910.71		P	0.6

45 Sc (ISTD) [No Gas]

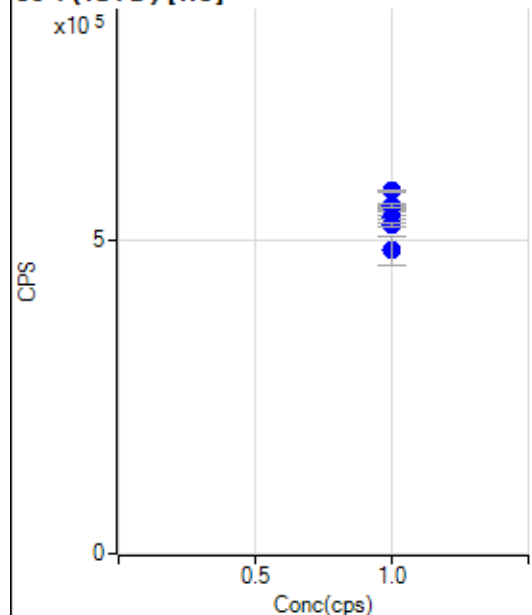
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		3016964.74		A	0.5
2	☐	1.000					
3	☐	1.000		2948247.81		A	0.8
4	☐	1.000		2896202.04		A	0.4
5	☐	1.000		2945181.79		A	0.5
6	☐	1.000		2754755.88		A	0.6
7	☐	1.000		2851353.47		A	0.1
8	☐	1.000		2967651.87		A	0.4
9	☐	1.000		2768453.73		A	0.7

45 Sc (ISTD) [He]

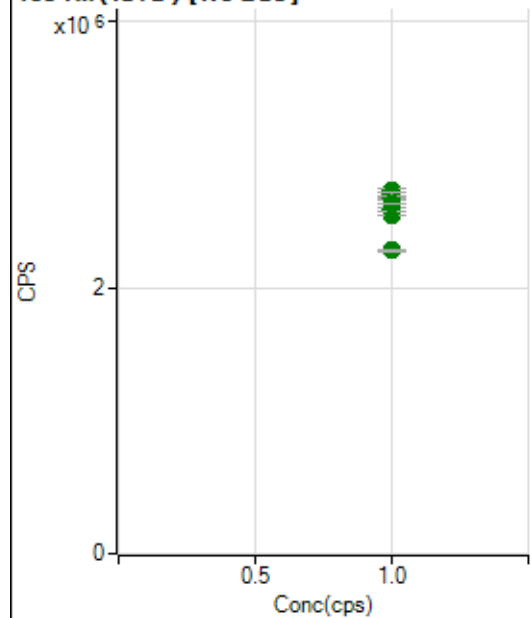
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		148965.41		P	0.9
2	☐	1.000					
3	☐	1.000		149858.43		P	0.6
4	☐	1.000		143601.93		P	0.8
5	☐	1.000		126487.65		P	10.9
6	☐	1.000		137471.66		P	1.0
7	☐	1.000		145343.19		P	0.5
8	☐	1.000		156877.21		P	0.7
9	☐	1.000		153874.89		P	0.9

89 Y (ISTD) [No Gas]

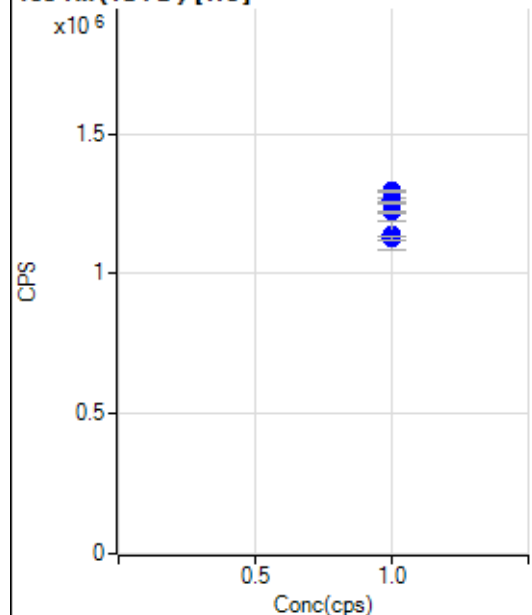
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		3609621.16		A	0.4
2	☐	1.000					
3	☐	1.000		3505201.16		A	0.3
4	☐	1.000		3466897.90		A	0.8
5	☐	1.000		3529383.84		A	1.1
6	☐	1.000		3391481.62		A	0.5
7	☐	1.000		3466380.61		A	0.9
8	☐	1.000		3599845.88		A	0.5
9	☐	1.000		3316678.11		A	0.7

89 Y(ISTD) [He]

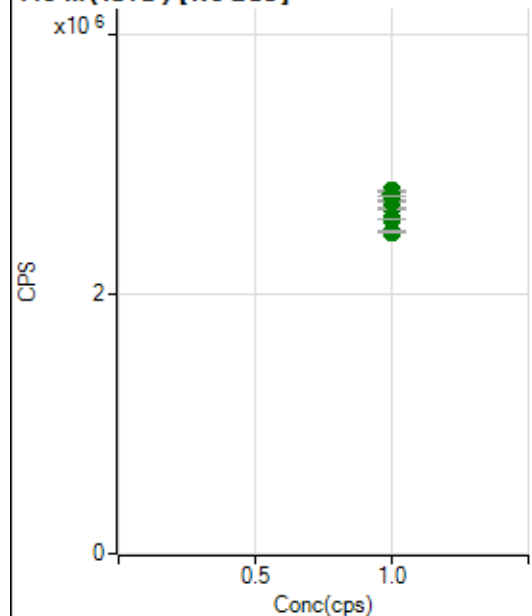
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		544606.97		P	0.4
2	☐	1.000					
3	☐	1.000		551481.48		P	0.6
4	☐	1.000		535233.48		P	1.0
5	☐	1.000		482514.64		P	9.6
6	☐	1.000		522852.04		P	1.2
7	☐	1.000		546082.48		P	0.9
8	☐	1.000		577757.13		P	0.4
9	☐	1.000		554202.38		P	0.9

103 Rh(ISTD) [No Gas]

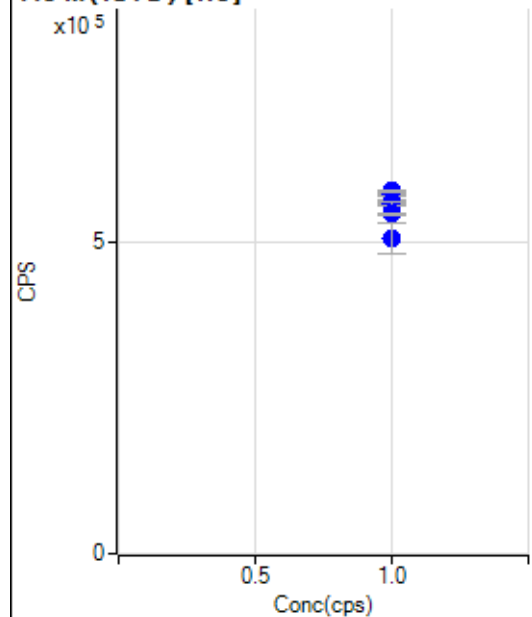
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		2679810.61		A	0.3
2	☐	1.000					
3	☐	1.000		2725383.20		A	1.2
4	☐	1.000		2673679.16		A	0.6
5	☐	1.000		2702639.77		A	0.7
6	☐	1.000		2541591.72		A	0.5
7	☐	1.000		2583308.72		A	0.9
8	☐	1.000		2630336.74		A	0.3
9	☐	1.000		2277368.17		A	0.6

103 Rh (ISTD) [He]

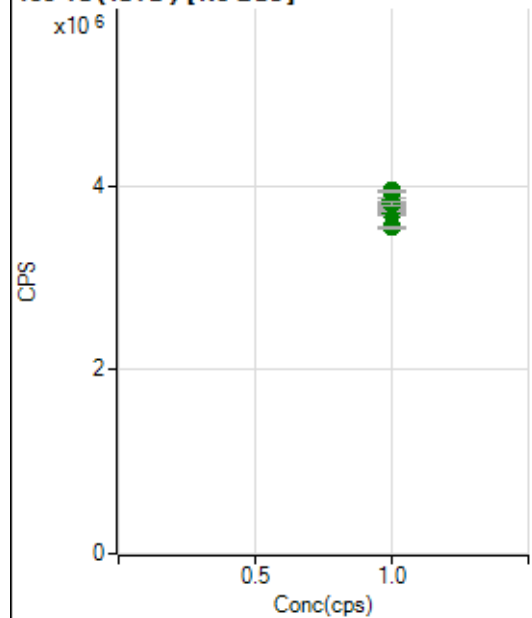
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		1293622.45		P	0.4
2	☐	1.000					
3	☐	1.000		1295831.21		P	0.3
4	☐	1.000		1265760.67		P	0.9
5	☐	1.000		1138287.61		P	9.0
6	☐	1.000		1219472.84		P	1.0
7	☐	1.000		1254661.29		P	0.5
8	☐	1.000		1295951.99		P	0.7
9	☐	1.000		1125241.50		P	1.0

115 In (ISTD) [No Gas]

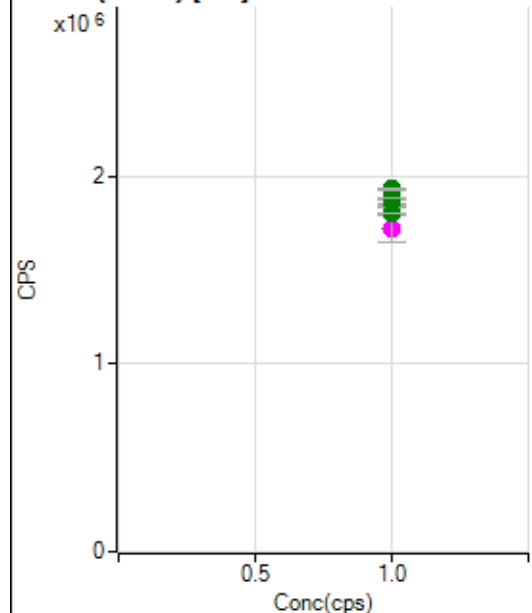
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		2574671.05		A	0.3
2	☐	1.000					
3	☐	1.000		2765333.70		A	0.8
4	☐	1.000		2711013.29		A	0.8
5	☐	1.000		2790299.99		A	0.4
6	☐	1.000		2656307.15		A	0.8
7	☐	1.000		2709007.34		A	0.4
8	☐	1.000		2749964.95		A	0.5
9	☐	1.000		2473174.80		A	0.7

115 In (ISTD) [He]

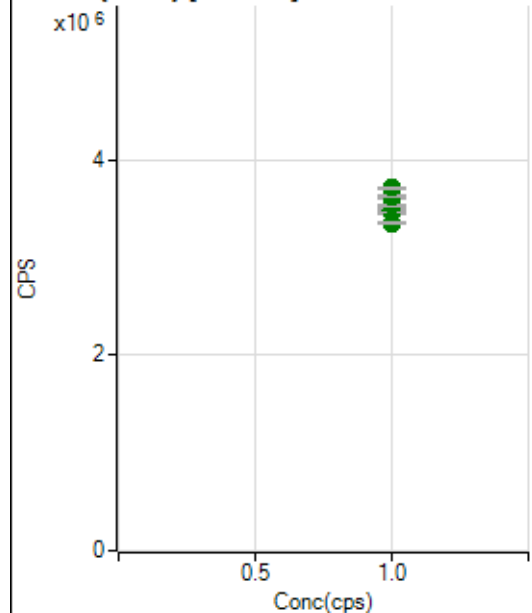
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		574950.96		P	0.5
2	☐	1.000					
3	☐	1.000		577328.68		P	0.9
4	☐	1.000		565936.45		P	0.9
5	☐	1.000		507329.83		P	9.6
6	☐	1.000		546423.65		P	0.3
7	☐	1.000		563064.28		P	0.9
8	☐	1.000		582924.19		P	0.6
9	☐	1.000		546165.58		P	0.6

159 Tb (ISTD) [No Gas]

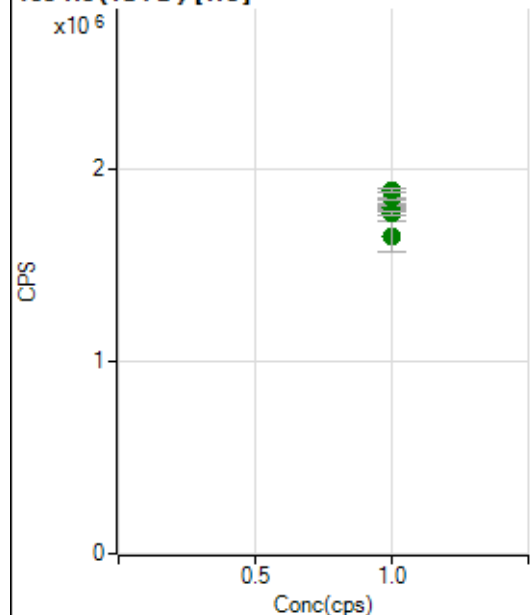
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		3770412.02		A	0.6
2	☐	1.000					
3	☐	1.000		3720223.73		A	0.9
4	☐	1.000		3712328.70		A	0.9
5	☐	1.000		3842779.18		A	1.4
6	☐	1.000		3739695.26		A	0.7
7	☐	1.000		3809239.70		A	0.9
8	☐	1.000		3950510.39		A	0.4
9	☐	1.000		3554068.77		A	0.8

159 Tb (ISTD) [He]

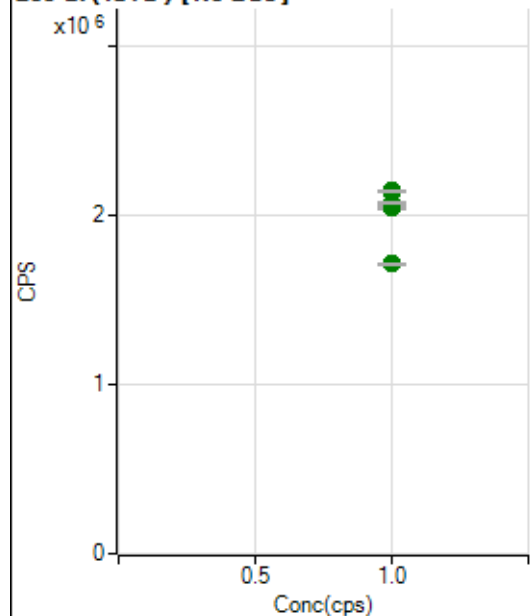
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		1880358.48		A	0.5
2	☐	1.000					
3	☐	1.000		1846777.47		A	0.3
4	☐	1.000		1844887.40		A	0.5
5	☐	1.000		1717821.90		M	8.5
6	☐	1.000		1830442.89		A	0.4
7	☐	1.000		1879197.45		A	0.2
8	☐	1.000		1930110.82		A	0.7
9	☐	1.000		1800889.56		A	0.5

165 Ho (ISTD) [No Gas]

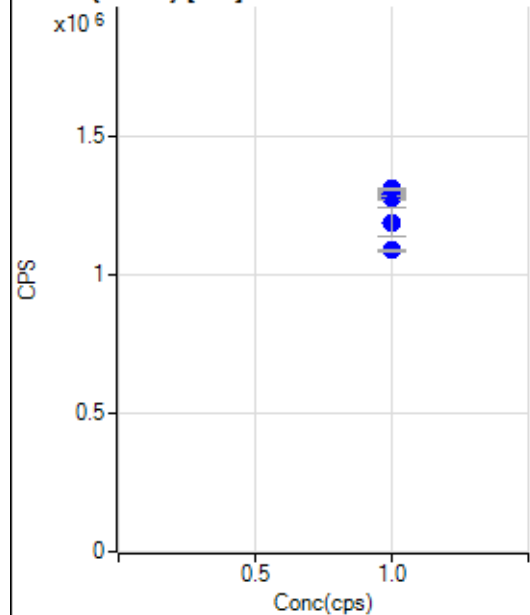
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		3537292.83		A	0.7
2	☐	1.000					
3	☐	1.000		3466762.92		A	1.0
4	☐	1.000		3490312.41		A	1.3
5	☐	1.000		3624546.00		A	0.7
6	☐	1.000		3540503.51		A	0.7
7	☐	1.000		3632484.85		A	0.9
8	☐	1.000		3714784.11		A	0.7
9	☐	1.000		3352835.41		A	0.7

165 Ho (ISTD) [He]

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		1848906.47		A	0.6
2	☐	1.000					
3	☐	1.000		1814048.22		A	0.9
4	☐	1.000		1804500.96		A	1.1
5	☐	1.000		1656512.22		A	9.8
6	☐	1.000		1819756.22		A	0.7
7	☐	1.000		1849645.93		A	0.9
8	☐	1.000		1890244.05		A	0.9
9	☐	1.000		1768832.02		A	1.1

209 Bi (ISTD) [No Gas]

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		2131022.36		A	0.0
2	☐	1.000					
3	☐	1.000		2044147.09		A	0.9
4	☐	1.000		2045897.24		A	0.5
5	☐	1.000		2141808.13		A	0.4
6	☐	1.000		2060399.57		A	0.1
7	☐	1.000		2068584.45		A	0.3
8	☐	1.000		2067444.19		A	0.6
9	☐	1.000		1708999.07		A	0.6

209 Bi (ISTD) [He]

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		1293805.26		P	0.9
2	☐	1.000					
3	☐	1.000		1277995.28		P	0.2
4	☐	1.000		1286776.63		P	0.9
5	☐	1.000		1190375.94		P	8.3
6	☐	1.000		1277948.38		P	0.8
7	☐	1.000		1291689.16		P	0.8
8	☐	1.000		1309620.97		P	0.8
9	☐	1.000		1086591.38		P	0.4