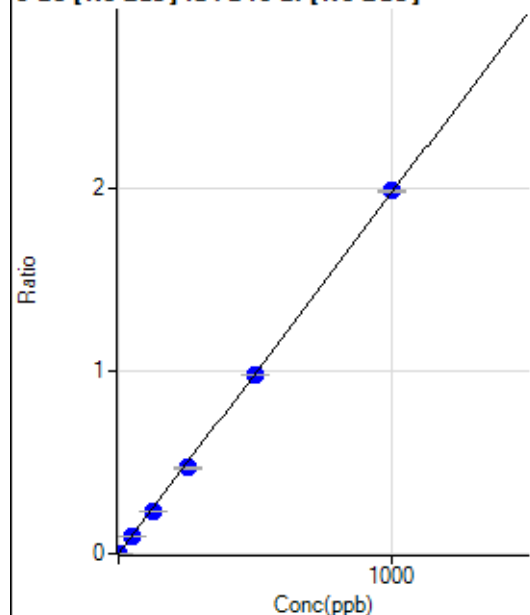


Calibration for 011CALS.d

Batch Folder: D:\P8011619A.b\
 Analysis File: P8011619A.batch.bin
 DA Date-Time: 2019-01-16 23:48:57
 Calibration Title:
 Calibration Method: External Calibration
 VIS Interpolation Fit:

Level	Standard Data File	Sample Name	Acq. Date-Time
1	003CALB.d	S00	2019-01-16 18:04:57
2			
3	005CALS.d	S02	2019-01-16 18:12:21
4	006CALS.d	S03	2019-01-16 18:16:14
5	007CALS.d	S04	2019-01-16 18:20:06
6	008CALS.d	S05	2019-01-16 18:23:55
7	009CALS.d	S06	2019-01-16 18:27:37
8	010CALS.d	S07	2019-01-16 18:31:15
9	011CALS.d	S08	2019-01-16 18:34:46

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



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	18.89	0.0001	P	61.8
2	☐	0.100					
3	☐	1.000	0.932	654.47	0.0019	P	4.2
4	☐	50.000	50.086	36271.40	0.0988	P	1.7
5	☐	125.000	118.952	96449.74	0.2346	P	1.0
6	☐	250.000	238.048	180951.08	0.4695	P	0.7
7	☐	500.000	495.220	345475.23	0.9767	P	0.6
8	☐	1000.000	1006.130	632624.00	1.9842	P	0.4
9	☐			103.34	0.0003	P	2.8

$$y = 0.0020 * x + 5.5287E-005$$

$$R = 0.9999$$

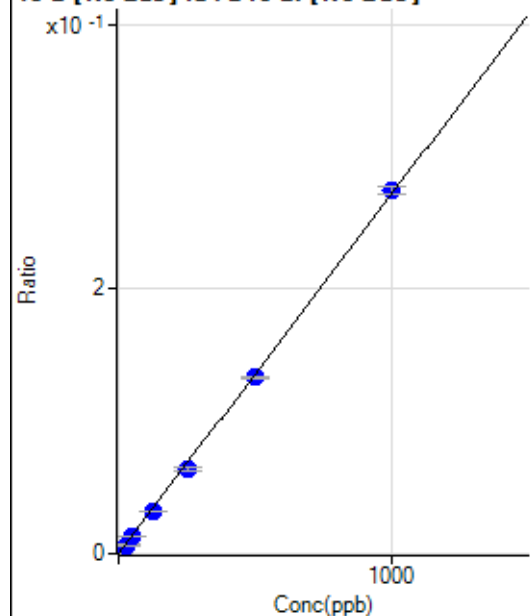
$$DL = 0.05198$$

$$BEC = 0.02803$$

Weight: <None>

Min Conc: 0

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



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	22.22	0.0001	P	57.2
2	☐	2.500					
3	☐	25.000	22.751	2158.59	0.0062	P	9.6
4	☐	50.000	49.181	4931.62	0.0134	P	3.7
5	☐	125.000	118.748	13292.77	0.0323	P	1.2
6	☐	250.000	234.959	24633.05	0.0639	P	3.9
7	☐	500.000	490.864	47212.08	0.1335	P	1.3
8	☐	1000.000	1009.207	87457.98	0.2744	P	2.1
9	☐			1689.06	0.0054	P	21.6

$$y = 2.7178E-004 * x + 6.5115E-005$$

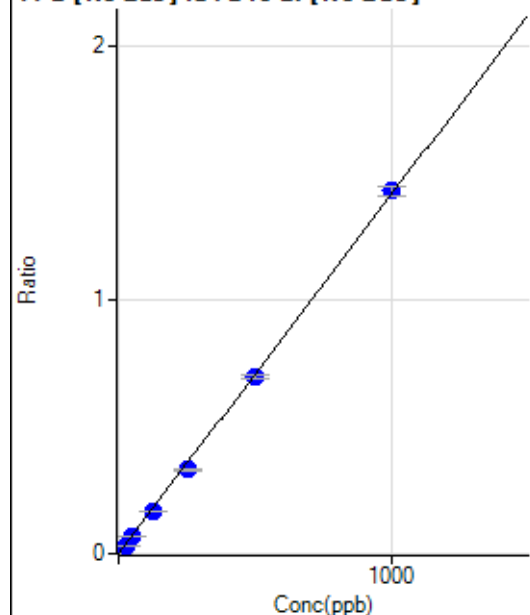
$$R = 0.9998$$

$$DL = 0.4113$$

$$BEC = 0.2396$$

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	125.01	0.0004	P	17.4
2	☐	2.500					
3	☐	25.000	22.395	11065.84	0.0320	P	1.8
4	☐	50.000	48.565	25340.06	0.0690	P	0.4
5	☐	125.000	116.332	67752.80	0.1648	P	1.2
6	☐	250.000	232.611	126874.46	0.3292	P	2.2
7	☐	500.000	491.663	245999.80	0.6955	P	1.7
8	☐	1000.000	1009.736	455126.49	1.4279	P	2.7
9	☐			8903.14	0.0283	P	8.5

$$y = 0.0014 * x + 3.6618E-004$$

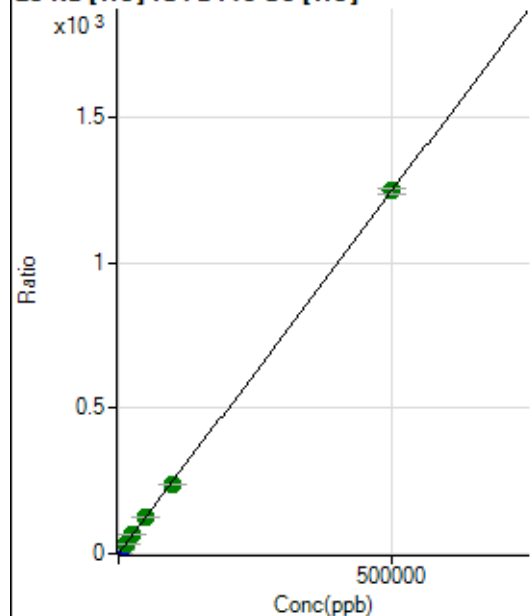
$$R = 0.9998$$

$$DL = 0.1353$$

$$BEC = 0.259$$

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	12661.71	0.3840	P	2.0
2	☐	50.000					
3	☐	500.000	491.363	53111.16	1.6091	P	1.8
4	☐	5000.000	5281.215	448948.62	13.5513	P	0.6
5	☐	12500.000	13400.604	1120965.94	33.7948	A	1.1
6	☐	25000.000	26060.599	2203358.77	65.3591	A	0.1
7	☐	50000.000	50261.516	4291235.60	125.6975	A	0.5
8	☐	100000.00	95962.133	8429599.06	239.6396	A	1.3
9	☐	500000.00	500703.07	43252985.34	1,248.751	A	1.8

$$y = 0.0025 * x + 0.3840$$

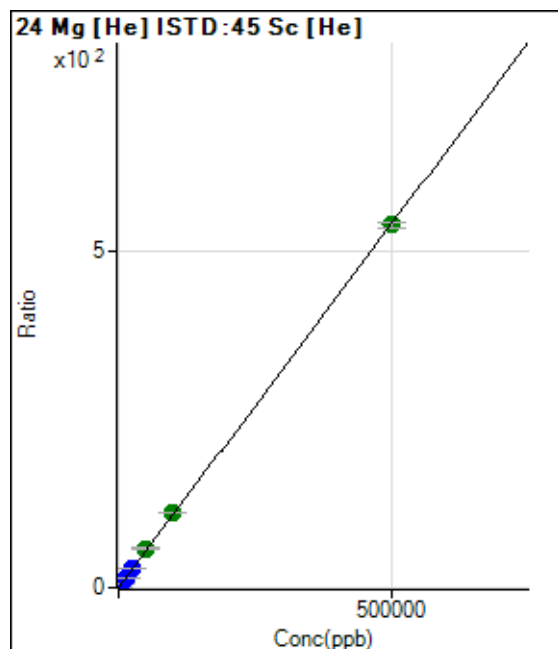
$$R = 1.0000$$

$$DL = 9.112$$

$$BEC = 154$$

Weight: <None>

Min Conc: 0



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	347.24	0.0105	P	5.2
2	☐	50.000					
3	☐	500.000	525.256	19130.16	0.5796	P	1.2
4	☐	5000.000	5618.870	202021.04	6.0978	P	1.2
5	☐	12500.000	14055.924	505433.12	15.2382	P	0.3
6	☐	25000.000	27218.741	994389.97	29.4982	P	0.9
7	☐	50000.000	54107.278	2001537.85	58.6282	A	1.5
8	☐	100000.00	103241.81	3934660.94	111.8585	A	1.7
9	☐	500000.00	498784.86	18718221.60	540.3738	A	1.3

$$y = 0.0011 * x + 0.0105$$

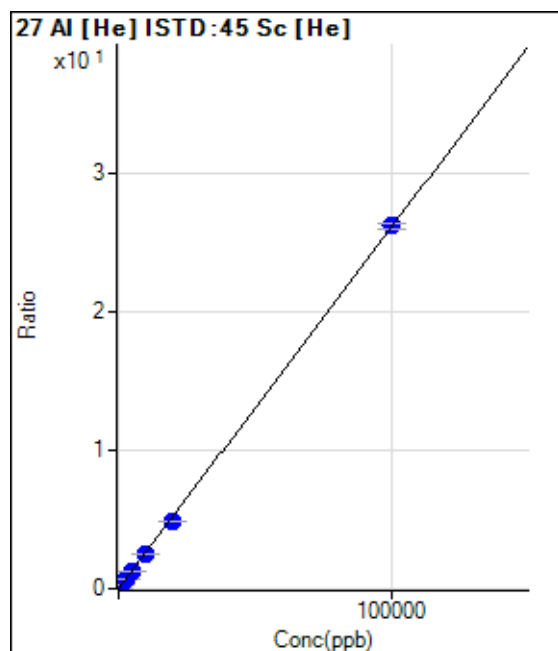
$$R = 1.0000$$

$$DL = 1.515$$

$$BEC = 9.722$$

Weight: <None>

Min Conc: 0



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	51.68	0.0016	P	20.2
2	☐	2.000					
3	☐	20.000	16.356	192.55	0.0058	P	13.3
4	☐	1000.000	1024.745	8911.78	0.2690	P	0.7
5	☐	2500.000	2488.381	21592.74	0.6510	P	1.4
6	☐	5000.000	4862.995	42836.50	1.2707	P	0.6
7	☐	10000.000	9618.910	85753.65	2.5119	P	0.8
8	☐	20000.000	18457.576	169499.10	4.8186	P	1.2
9	☐	100000.00	100353.48	907214.09	26.1917	P	1.7

$$y = 2.6098E-004 * x + 0.0016$$

$$R = 0.9999$$

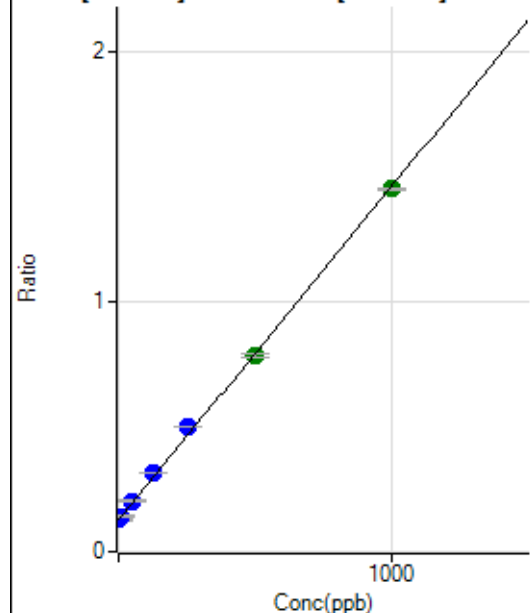
$$DL = 3.637$$

$$BEC = 6.012$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	255389.72	0.1271	P	1.1
2	☐	1.000					
3	☐	10.000	10.659	284111.63	0.1413	P	1.7
4	☐	50.000	57.536	414626.95	0.2039	P	1.1
5	☐	125.000	139.913	659434.81	0.3139	P	0.5
6	☐	250.000	279.486	1036156.35	0.5002	P	1.3
7	☐	500.000	495.038	1610868.36	0.7879	A	1.8
8	☐	1000.000	992.862	2961807.81	1.4525	A	0.5
9	☐			324016.43	0.1573	P	1.7

$$y = 0.0013 * x + 0.1271$$

$$R = 0.9995$$

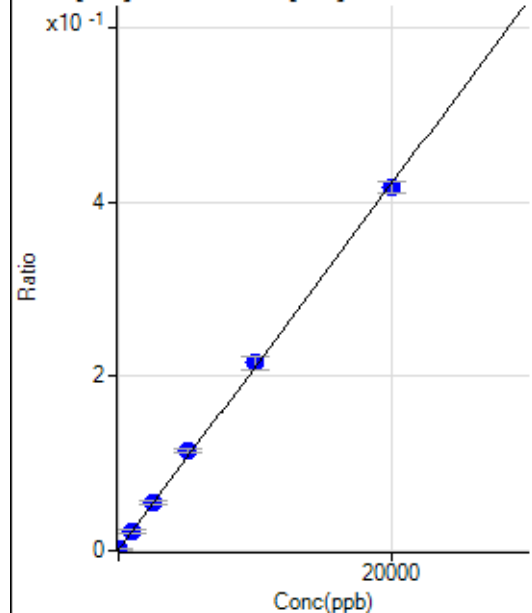
$$DL = 3.217$$

$$BEC = 95.19$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	-32.148	8.33	0.0003	P	99.5
2	☐	0.000					
3	☐	0.000	32.148	52.78	0.0016	P	37.5
4	☐	1000.000	1005.786	730.61	0.0221	P	14.6
5	☐	2500.000	2606.688	1847.43	0.0557	P	7.3
6	☐	5000.000	5370.570	3834.05	0.1137	P	4.0
7	☐	10000.000	10244.199	7377.25	0.2161	P	7.2
8	☐	20000.000	19771.633	14641.47	0.4163	P	3.1
9	☐			13.89	0.0004	P	124.

$$y = 2.1006E-005 * x + 9.2744E-004$$

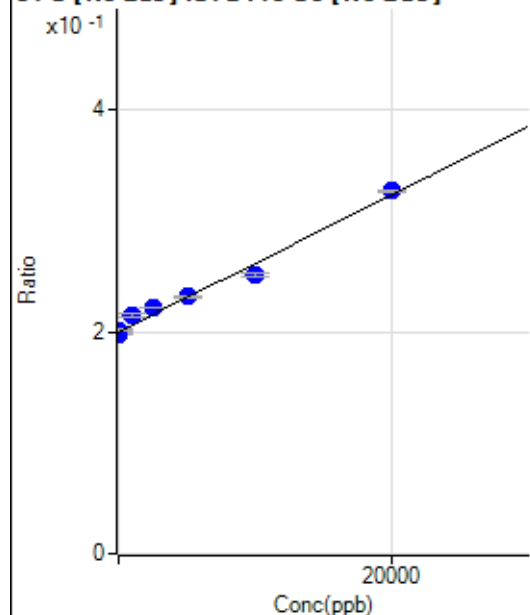
$$R = 0.9997$$

$$DL = 60.87$$

$$BEC = 44.15$$

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	-316.311	398377.18	0.1982	P	1.0
2	☐	0.000					
3	☐	0.000	316.311	406445.14	0.2021	P	0.9
4	☐	1000.000	2338.044	436513.42	0.2147	P	1.3
5	☐	2500.000	3550.775	466762.28	0.2222	P	0.5
6	☐	5000.000	5204.123	481416.90	0.2324	P	0.8
7	☐	10000.000	8392.924	515466.83	0.2521	P	1.5
8	☐	20000.000	20554.258	667559.72	0.3274	P	0.4
9	☐			351010.71	0.1704	P	1.9

$$y = 6.1883\text{E-}006 * x + 0.2002$$

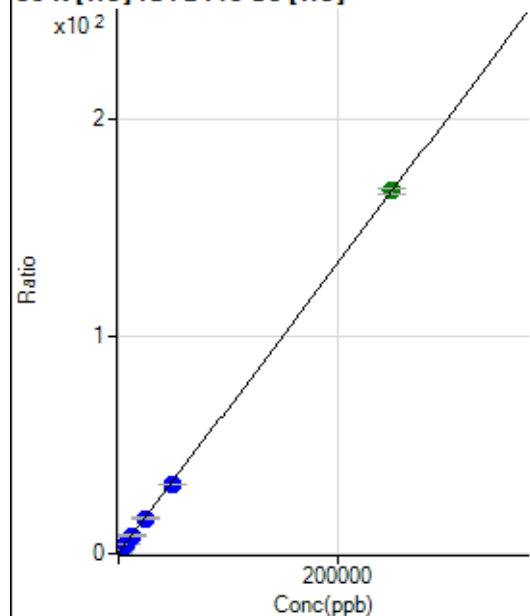
$$R = 0.9911$$

$$DL = 903.7$$

$$BEC = 3.235\text{E}+04$$

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	6176.62	0.1874	P	3.5
2	☐	50.000					
3	☐	500.000	462.202	16335.18	0.4949	P	3.1
4	☐	2500.000	2477.437	60821.33	1.8359	P	1.7
5	☐	6250.000	6246.484	144083.88	4.3440	P	0.4
6	☐	12500.000	12304.118	282314.14	8.3749	P	1.7
7	☐	25000.000	24284.258	558066.60	16.3469	P	0.6
8	☐	50000.000	47345.116	1114845.34	31.6923	P	0.3
9	☐	250000.00	250612.73	5782797.14	166.9530	A	1.8

$$y = 6.6543\text{E-}004 * x + 0.1874$$

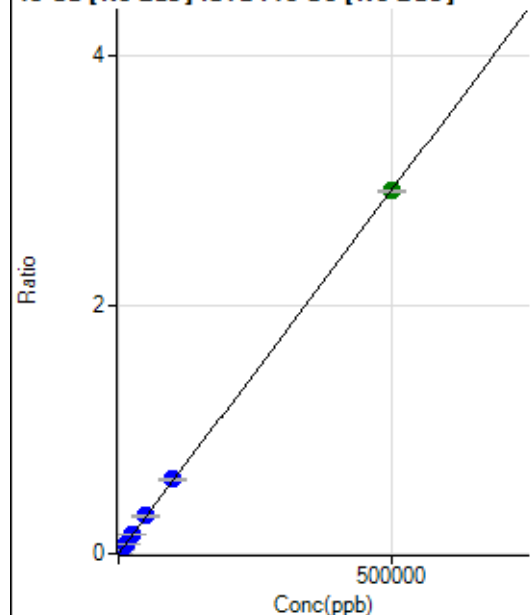
$$R = 0.9999$$

$$DL = 29.54$$

$$BEC = 281.6$$

Weight: <None>

Min Conc: 0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	225.56	0.0001	P	20.0
2	☐	50.000					
3	☐	500.000	467.495	5714.58	0.0028	P	1.3
4	☐	5000.000	5225.205	62278.29	0.0306	P	2.1
5	☐	12500.000	12788.362	157135.64	0.0748	P	0.8
6	☐	25000.000	25386.369	307332.34	0.1484	P	0.3
7	☐	50000.000	51697.905	617448.98	0.3020	P	0.7
8	☐	100000.00	101933.56	1213986.21	0.5954	P	0.8
9	☐	500000.00	499414.75	6007622.20	2.9165	A	0.7

$$y = 5.8395E-006 * x + 1.1218E-004$$

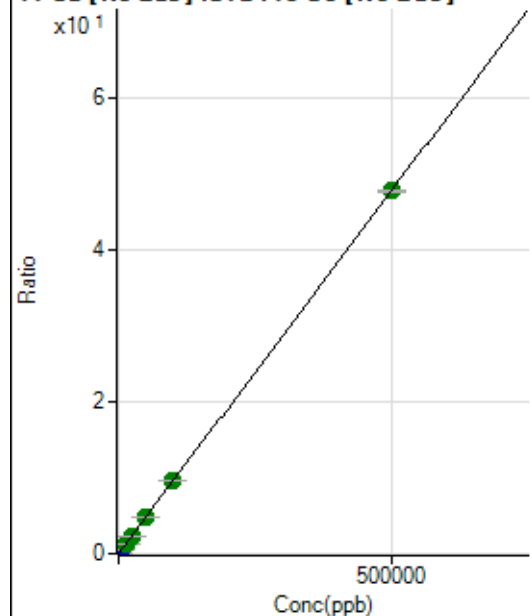
$$R = 1.0000$$

$$DL = 11.53$$

$$BEC = 19.21$$

Weight: <None>

Min Conc: 0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	13723.54	0.0068	P	1.2
2	☐	50.000					
3	☐	500.000	465.922	103294.45	0.0514	P	1.0
4	☐	5000.000	5093.158	1004121.97	0.4938	P	0.5
5	☐	12500.000	12800.685	2585578.73	1.2306	A	0.5
6	☐	25000.000	25023.145	4970001.42	2.3991	A	0.1
7	☐	50000.000	50967.832	9976177.70	4.8795	A	0.8
8	☐	100000.00	99961.144	19501074.99	9.5634	A	0.7
9	☐	500000.00	499901.41	98460289.64	47.7990	A	0.5

$$y = 9.5603E-005 * x + 0.0068$$

$$R = 1.0000$$

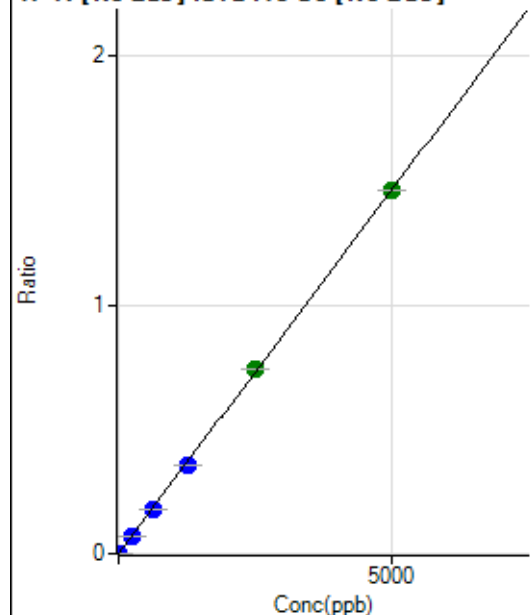
$$DL = 2.663$$

$$BEC = 71.42$$

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	72.23	0.0000	P	54.7
2	☐	0.500					
3	☐	5.000	4.895	2947.66	0.0015	P	10.4
4	☐	250.000	249.010	148081.33	0.0728	P	1.0
5	☐	625.000	607.474	373113.06	0.1776	P	0.9
6	☐	1250.000	1214.942	735691.31	0.3551	P	0.3
7	☐	2500.000	2537.176	1516203.21	0.7416	A	0.6
8	☐	5000.000	4992.417	2975476.02	1.4592	A	0.0
9	☐			638.94	0.0003	P	12.5

$$y = 2.9228E-004 * x + 3.5943E-005$$

$$R = 0.9999$$

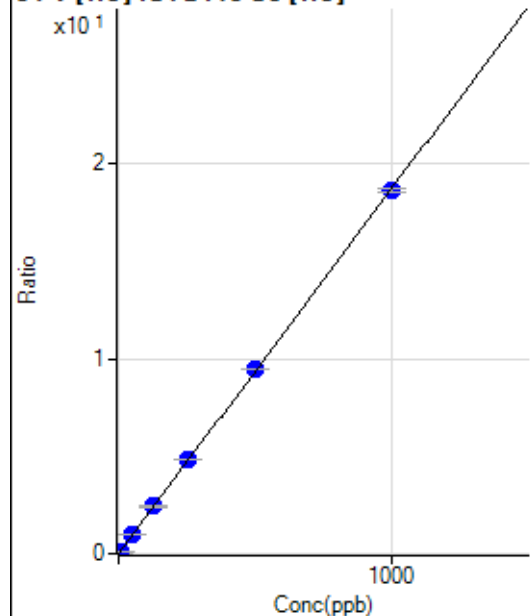
$$DL = 0.202$$

$$BEC = 0.123$$

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	20.00	0.0006	P	49.3
2	☐	0.500					
3	☐	5.000	5.097	3170.42	0.0961	P	2.0
4	☐	50.000	52.000	32280.71	0.9744	P	1.3
5	☐	125.000	129.125	80223.94	2.4187	P	0.9
6	☐	250.000	256.725	162089.34	4.8082	P	0.4
7	☐	500.000	506.444	323799.13	9.4846	P	0.2
8	☐	1000.000	994.481	655113.10	18.6238	P	1.1
9	☐			116.67	0.0034	P	26.3

$$y = 0.0187 * x + 6.0489E-004$$

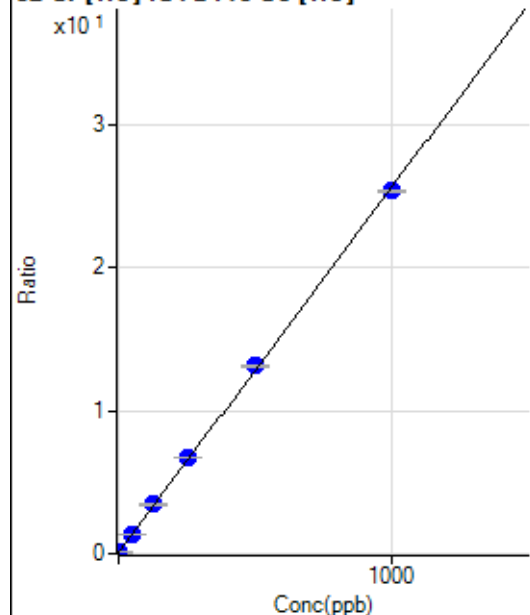
$$R = 0.9999$$

$$DL = 0.04779$$

$$BEC = 0.0323$$

Weight: <None>

Min Conc: 0

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

	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	2010.18	0.0610	P	2.0
2	☐	0.200					
3	☐	2.000	1.873	3592.75	0.1089	P	2.9
4	☐	50.000	52.731	46702.27	1.4097	P	0.4
5	☐	125.000	132.552	114474.21	3.4513	P	1.1
6	☐	250.000	259.063	225432.83	6.6871	P	0.3
7	☐	500.000	511.221	448476.51	13.1367	P	0.4
8	☐	1000.000	991.043	893810.47	25.4092	P	0.6
9	☐			10565.29	0.3050	P	1.2

$$y = 0.0256 * x + 0.0610$$

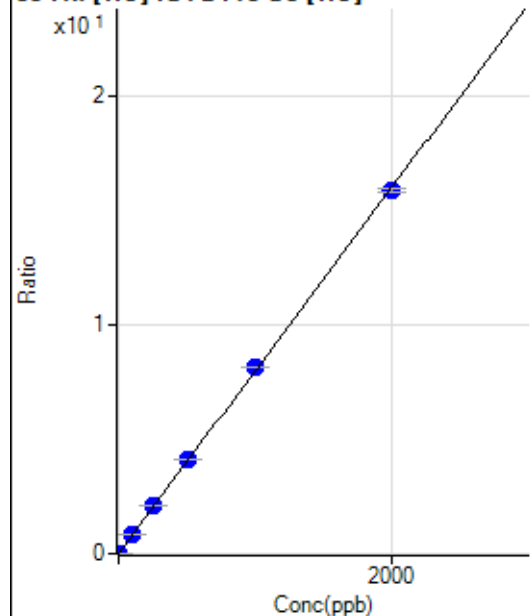
$$R = 0.9998$$

$$DL = 0.1429$$

$$BEC = 2.383$$

Weight: <None>

Min Conc: 0

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

	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	73.33	0.0022	P	5.4
2	☐	0.100					
3	☐	1.000	1.168	381.12	0.0116	P	6.6
4	☐	100.000	104.738	27768.96	0.8382	P	0.3
5	☐	250.000	261.657	69343.35	2.0906	P	0.8
6	☐	500.000	514.504	138508.83	4.1088	P	1.0
7	☐	1000.000	1022.128	278590.72	8.1604	P	0.2
8	☐	2000.000	1983.616	557003.71	15.8345	P	1.1
9	☐			2920.36	0.0843	P	1.2

$$y = 0.0080 * x + 0.0022$$

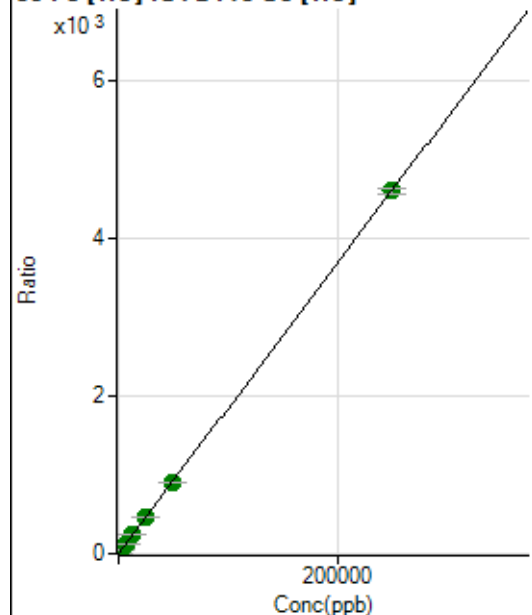
$$R = 0.9999$$

$$DL = 0.04502$$

$$BEC = 0.2787$$

Weight: <None>

Min Conc: 0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	4022.92	0.1220	P	1.9
2	☐	5.000					
3	☐	50.000	50.267	34576.70	1.0476	P	2.8
4	☐	2500.000	2633.856	1610880.36	48.6228	A	1.2
5	☐	6250.000	6514.347	3982814.44	120.0796	A	1.2
6	☐	12500.000	12714.224	7896546.30	234.2464	A	0.9
7	☐	25000.000	25274.078	15892834.04	465.5281	A	0.4
8	☐	50000.000	48907.423	31683963.21	900.7212	A	1.4
9	☐	250000.00	250172.44	159577518.3	4,606.889	A	1.4

$$y = 0.0184 * x + 0.1220$$

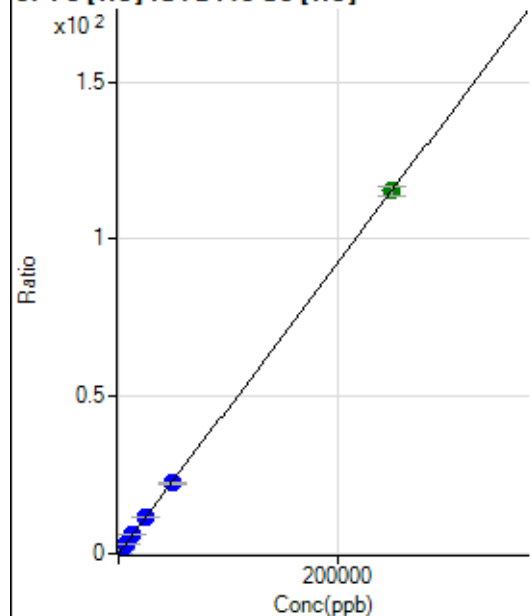
$$R = 1.0000$$

$$DL = 0.3737$$

$$BEC = 6.626$$

Weight: <None>

Min Conc: 0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	140.74	0.0043	P	10.8
2	☐	5.000					
3	☐	50.000	50.383	907.47	0.0275	P	5.8
4	☐	2500.000	2598.603	39799.85	1.2014	P	1.0
5	☐	6250.000	6444.541	98611.41	2.9730	P	1.0
6	☐	12500.000	12721.264	197692.10	5.8645	P	1.1
7	☐	25000.000	25170.559	395999.41	11.5994	P	0.3
8	☐	50000.000	48643.602	788393.75	22.4126	P	1.4
9	☐	250000.00	250237.31	3992546.96	115.2795	A	2.6

$$y = 4.6066E-004 * x + 0.0043$$

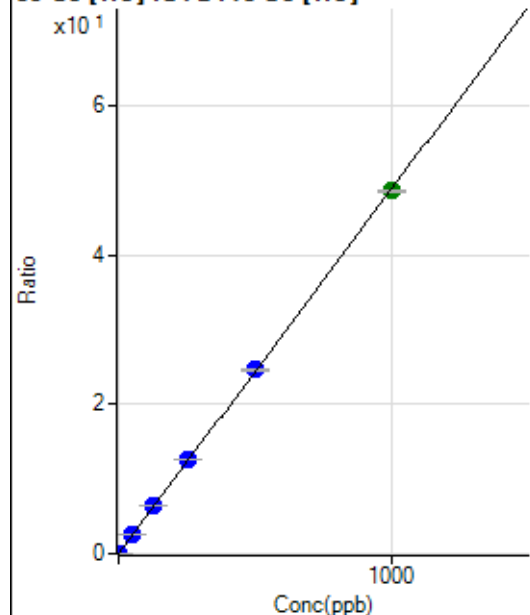
$$R = 1.0000$$

$$DL = 2.998$$

$$BEC = 9.271$$

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	127.78	0.0039	P	20.3
2	☐	0.100					
3	☐	1.000	0.925	1620.12	0.0491	P	6.1
4	☐	50.000	52.553	85253.19	2.5734	P	0.5
5	☐	125.000	131.376	213188.13	6.4273	P	0.6
6	☐	250.000	256.933	423620.82	12.5663	P	0.5
7	☐	500.000	504.574	842361.34	24.6744	P	0.4
8	☐	1000.000	995.055	1711570.46	48.6558	A	0.3
9	☐			20277.20	0.5854	P	1.3

$$y = 0.0489 * x + 0.0039$$

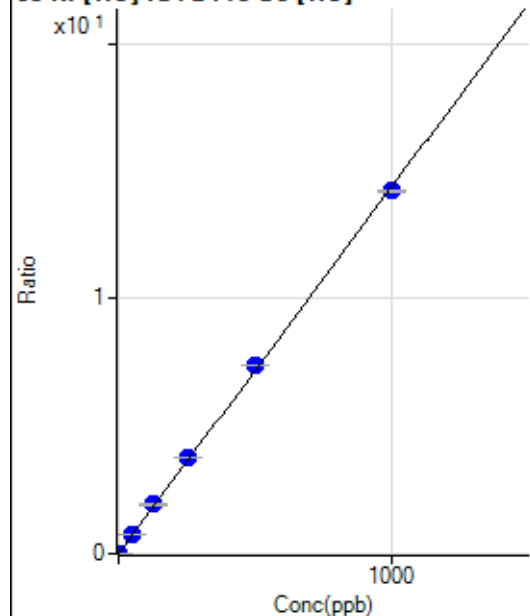
$$R = 0.9999$$

$$DL = 0.04838$$

$$BEC = 0.07932$$

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	97.78	0.0030	P	13.4
2	☐	0.100					
3	☐	1.000	0.967	556.69	0.0169	P	5.1
4	☐	50.000	53.630	25639.35	0.7739	P	0.9
5	☐	125.000	133.921	63953.85	1.9282	P	1.2
6	☐	250.000	262.154	127139.30	3.7716	P	1.2
7	☐	500.000	511.773	251266.97	7.3600	P	0.1
8	☐	1000.000	989.778	500620.60	14.2317	P	0.7
9	☐			7356.53	0.2124	P	4.2

$$y = 0.0144 * x + 0.0030$$

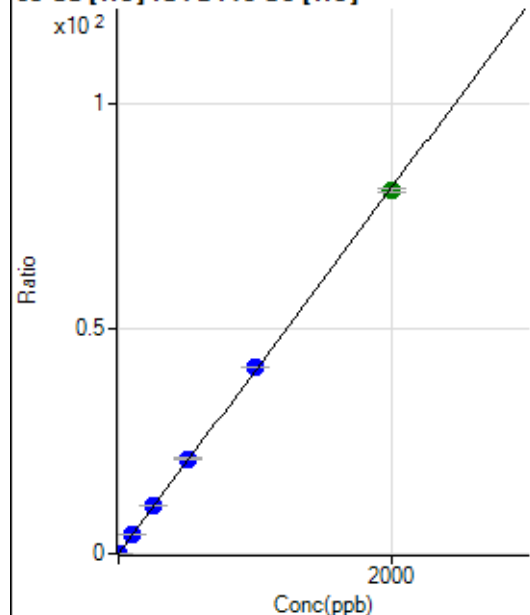
$$R = 0.9998$$

$$DL = 0.08277$$

$$BEC = 0.2061$$

Weight: <None>

Min Conc: 0

⁶³Cu [He] ISTD:45 Sc [He]

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	864.49	0.0262	P	4.0
2	☐	0.200					
3	☐	2.000	1.938	3469.38	0.1051	P	3.2
4	☐	100.000	105.879	143676.54	4.3370	P	1.1
5	☐	250.000	266.024	360113.63	10.8571	P	0.8
6	☐	500.000	518.505	712532.10	21.1366	P	0.6
7	☐	1000.000	1019.463	1417882.88	41.5326	P	0.6
8	☐	2000.000	1983.345	2841363.09	80.7760	A	1.2
9	☐			6349.33	0.1833	P	3.1

$$y = 0.0407 * x + 0.0262$$

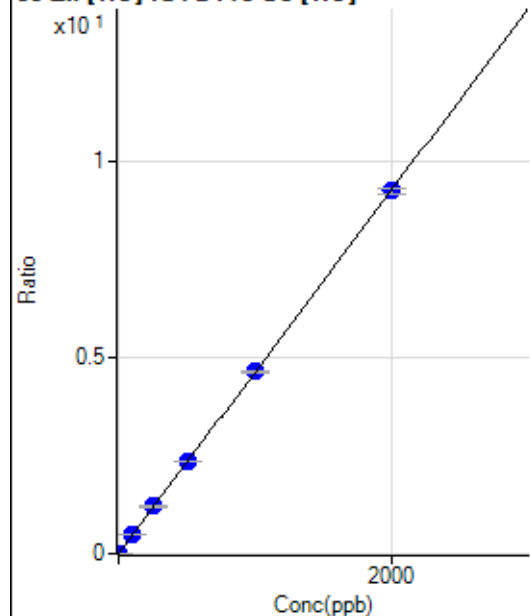
$$R = 0.9999$$

$$DL = 0.07769$$

$$BEC = 0.644$$

Weight: <None>

Min Conc: 0

⁶⁶Zn [He] ISTD:45 Sc [He]

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	45.56	0.0014	P	44.9
2	☐	0.200					
3	☐	2.000	1.903	336.67	0.0102	P	1.6
4	☐	100.000	102.820	15821.44	0.4776	P	0.6
5	☐	250.000	260.562	40069.08	1.2081	P	1.7
6	☐	500.000	506.690	79151.99	2.3479	P	1.0
7	☐	1000.000	1001.079	158322.84	4.6375	P	0.9
8	☐	2000.000	1996.327	325261.82	9.2467	P	1.3
9	☐			3127.07	0.0903	P	4.9

$$y = 0.0046 * x + 0.0014$$

$$R = 1.0000$$

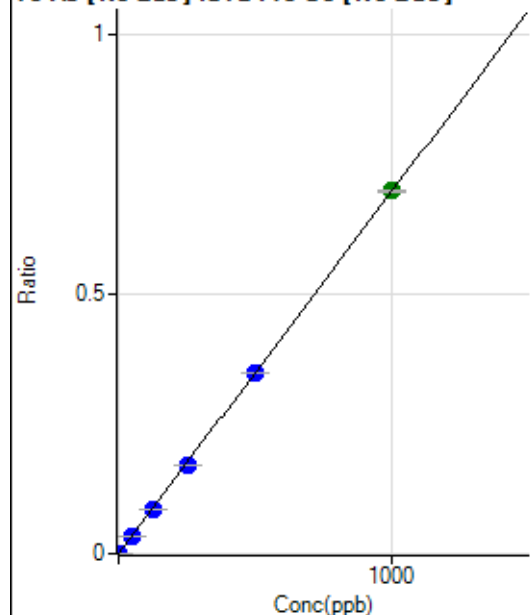
$$DL = 0.4027$$

$$BEC = 0.2991$$

Weight: <None>

Min Conc: 0

75 As [No Gas] ISTD:45 Sc [No Gas]



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	50.00	0.0000	P	29.6
2	☐	0.100					
3	☐	1.000	0.919	1339.02	0.0007	P	8.1
4	☐	50.000	49.373	70126.82	0.0345	P	0.3
5	☐	125.000	122.318	179411.57	0.0854	P	0.6
6	☐	250.000	243.268	351761.44	0.1698	P	0.4
7	☐	500.000	498.878	711901.82	0.3482	P	0.4
8	☐	1000.000	1002.611	1426863.18	0.6998	A	0.5
9	☐			2186.39	0.0011	P	1.1

$$y = 6.9791\text{E-}004 * x + 2.4914\text{E-}005$$

$$R = 1.0000$$

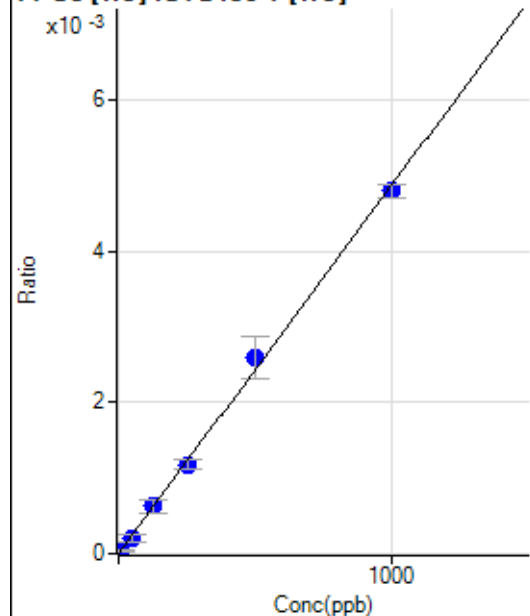
$$DL = 0.03174$$

$$BEC = 0.0357$$

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	6.577	5.55	0.0000	P	70.0
4	☐	50.000	40.729	35.56	0.0002	P	46.6
5	☐	125.000	129.358	114.45	0.0006	P	29.8
6	☐	250.000	242.047	216.67	0.0012	P	10.5
7	☐	500.000	533.034	477.79	0.0026	P	22.2
8	☐	1000.000	985.382	892.27	0.0048	P	3.5
9	☐			2.22	0.0000	P	173.

$$y = 4.8716\text{E-}006 * x + 0.0000\text{E+}000$$

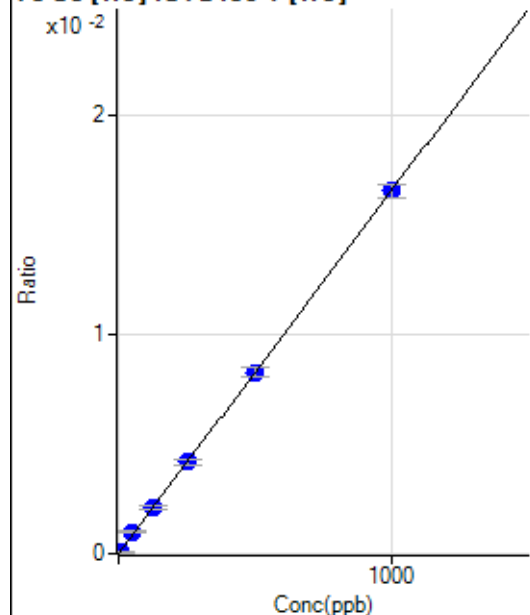
$$R = 0.9991$$

$$DL = 0$$

$$BEC = 0$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	0.62	0.0000	P	173.
2	☐	0.500					
3	☐	5.000	3.215	9.88	0.0001	P	65.2
4	☐	50.000	59.288	176.55	0.0010	P	12.3
5	☐	125.000	127.029	381.49	0.0021	P	11.0
6	☐	250.000	252.443	767.31	0.0042	P	6.3
7	☐	500.000	498.123	1515.53	0.0082	P	5.3
8	☐	1000.000	999.618	3069.51	0.0165	P	3.5
9	☐			4.94	0.0000	P	22.1

$$y = 1.6520\text{E-}005 * x + 3.5135\text{E-}006$$

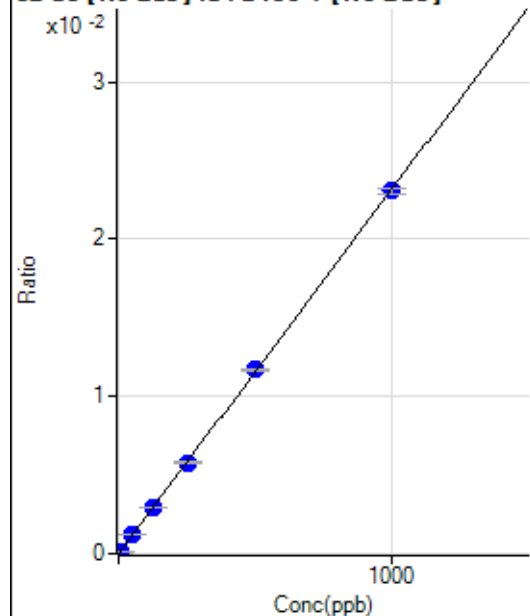
$$R = 0.9999$$

$$DL = 1.105$$

$$BEC = 0.2127$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	-37.34	0.0000	P	-42.
2	☐	0.500					
3	☐	5.000	6.299	374.17	0.0001	P	26.2
4	☐	50.000	51.656	3392.37	0.0012	P	3.8
5	☐	125.000	127.224	8728.50	0.0029	P	0.3
6	☐	250.000	250.593	17239.05	0.0058	P	1.0
7	☐	500.000	505.135	34864.98	0.0117	P	0.7
8	☐	1000.000	996.917	68293.66	0.0231	P	1.5
9	☐			63.66	0.0000	P	109.

$$y = 2.3167\text{E-}005 * x - 1.3236\text{E-}005$$

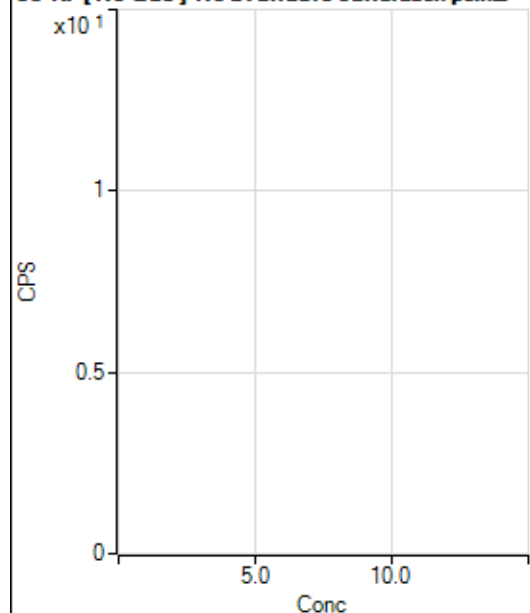
$$R = 1.0000$$

$$DL = 0.7346$$

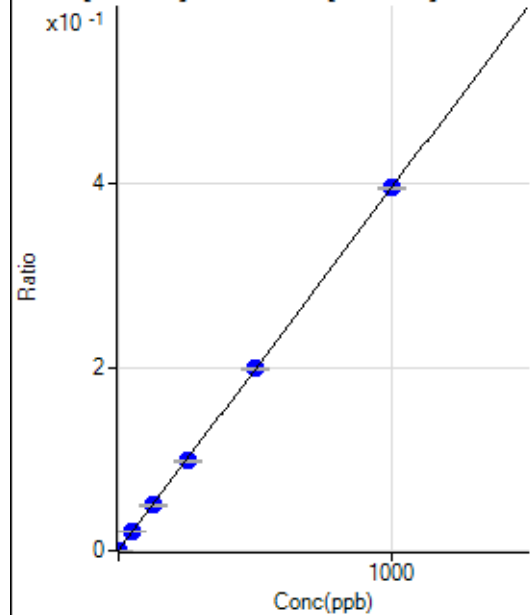
$$BEC = -0.5713$$

Weight: <None>

Min Conc: 0

83 Kr [No Gas] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			556.69		P	6.9
2	☐						
3	☐			493.35		P	13.0
4	☐			518.91		P	5.5
5	☐			546.69		P	4.3
6	☐			507.80		P	2.7
7	☐			554.46		P	7.5
8	☐			536.69		P	2.8
9	☐			510.02		P	6.9

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	825.07	0.0003	P	1.3
2	☐	0.100					
3	☐	1.000	0.982	1919.66	0.0007	P	7.5
4	☐	50.000	50.571	58177.79	0.0203	P	1.0
5	☐	125.000	125.000	147916.81	0.0497	P	1.7
6	☐	250.000	246.775	291312.61	0.0979	P	1.7
7	☐	500.000	501.610	592598.31	0.1987	P	0.7
8	☐	1000.000	999.973	1171068.71	0.3958	P	0.4
9	☐			5554.16	0.0020	P	6.1

$$y = 3.9551E-004 * x + 2.9227E-004$$

$$R = 1.0000$$

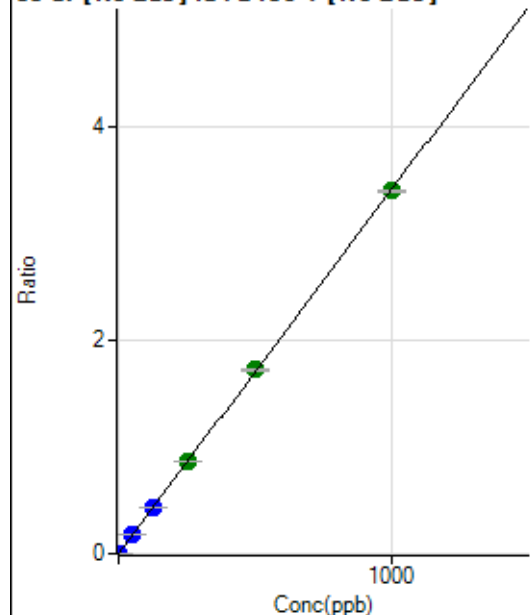
$$DL = 0.02933$$

$$BEC = 0.739$$

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	58.33	0.0000	P	23.9
2	☐	0.100					
3	☐	1.000	0.931	8992.24	0.0032	P	2.3
4	☐	50.000	50.886	496662.54	0.1732	P	0.6
5	☐	125.000	125.784	1273624.94	0.4282	P	1.5
6	☐	250.000	253.633	2569477.12	0.8634	A	1.2
7	☐	500.000	504.765	5125046.16	1.7183	A	0.2
8	☐	1000.000	996.567	10037693.11	3.3925	A	0.4
9	☐			40522.48	0.0143	P	1.7

$$y = 0.0034 * x + 2.0640E-005$$

$$R = 1.0000$$

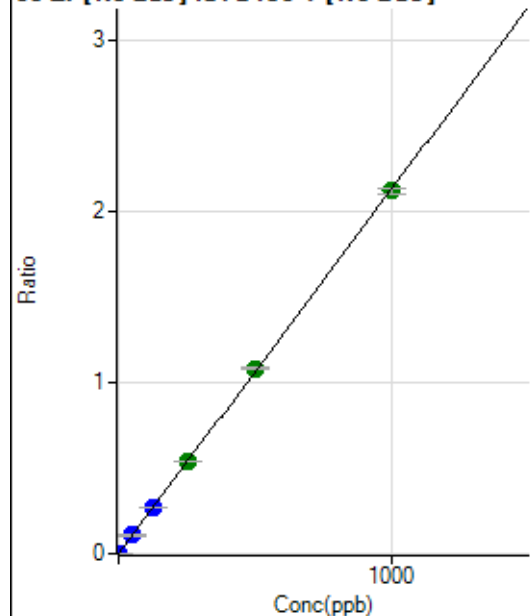
$$DL = 0.004349$$

$$BEC = 0.006063$$

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	200.01	0.0001	P	19.5
2	☐	0.100					
3	☐	1.000	0.887	5526.40	0.0020	P	2.0
4	☐	50.000	50.173	306796.04	0.1070	P	0.3
5	☐	125.000	125.111	793401.61	0.2667	P	1.2
6	☐	250.000	251.288	1594262.78	0.5357	A	0.5
7	☐	500.000	508.310	3231712.57	1.0835	A	0.6
8	☐	1000.000	995.501	6278170.93	2.1219	A	1.4
9	☐			1764.09	0.0006	P	6.1

$$y = 0.0021 * x + 7.0884E-005$$

$$R = 0.9999$$

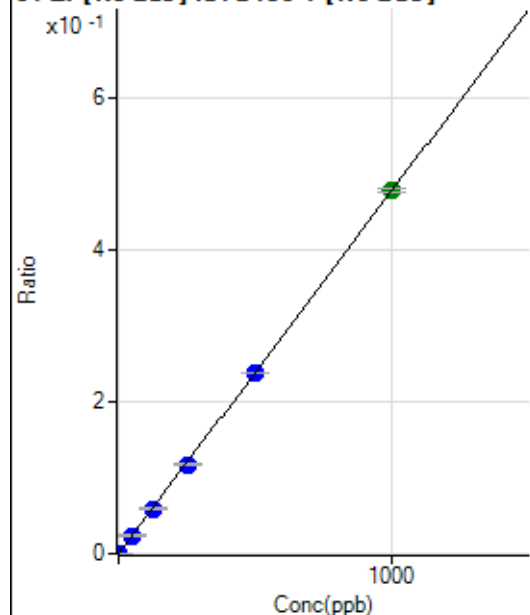
$$DL = 0.01941$$

$$BEC = 0.03326$$

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	36.11	0.0000	P	47.6
2	☐	0.100					
3	☐	1.000	0.996	1377.91	0.0005	P	9.0
4	☐	50.000	50.108	68726.91	0.0240	P	1.6
5	☐	125.000	124.569	177215.70	0.0596	P	1.5
6	☐	250.000	245.855	349894.06	0.1176	P	1.1
7	☐	500.000	500.377	713700.98	0.2393	P	0.1
8	☐	1000.000	1000.896	1416127.54	0.4786	A	1.2
9	☐			394.47	0.0001	P	0.9

$$y = 4.7819\text{E-}004 * x + 1.2776\text{E-}005$$

$$R = 1.0000$$

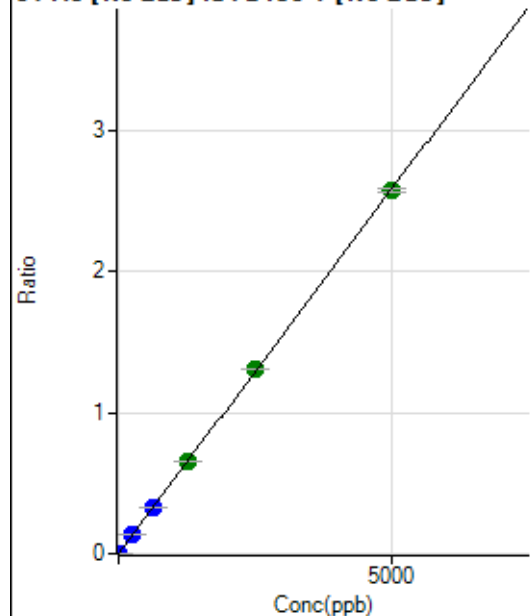
$$DL = 0.03819$$

$$BEC = 0.02672$$

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	133.34	0.0000	P	13.2
2	☐	0.500					
3	☐	5.000	4.653	6896.50	0.0024	P	1.3
4	☐	250.000	252.066	372756.95	0.1300	P	0.2
5	☐	625.000	628.438	963962.13	0.3241	P	1.3
6	☐	1250.000	1261.092	1935330.47	0.6503	A	0.3
7	☐	2500.000	2534.468	3897941.62	1.3069	A	0.4
8	☐	5000.000	4979.460	7596808.42	2.5676	A	1.0
9	☐			3300.57	0.0012	P	6.0

$$y = 5.1563\text{E-}004 * x + 4.7268\text{E-}005$$

$$R = 1.0000$$

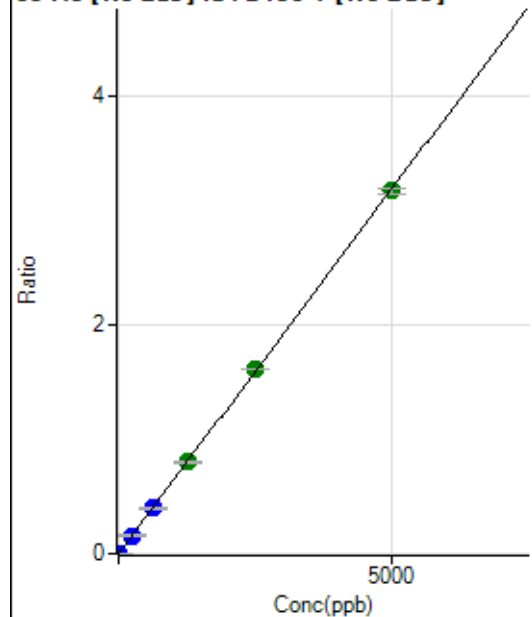
$$DL = 0.0363$$

$$BEC = 0.09167$$

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	30.55	0.0000	P	69.0
2	☐	0.500					
3	☐	5.000	4.683	8444.65	0.0030	P	3.3
4	☐	250.000	249.609	456176.70	0.1591	P	0.8
5	☐	625.000	622.619	1180504.27	0.3969	P	1.5
6	☐	1250.000	1261.202	2392413.10	0.8040	A	1.4
7	☐	2500.000	2539.721	4828657.01	1.6190	A	0.5
8	☐	5000.000	4977.657	9387842.92	3.1730	A	1.5
9	☐			4998.36	0.0018	P	2.8

$$y = 6.3745E-004 * x + 1.0861E-005$$

$$R = 0.9999$$

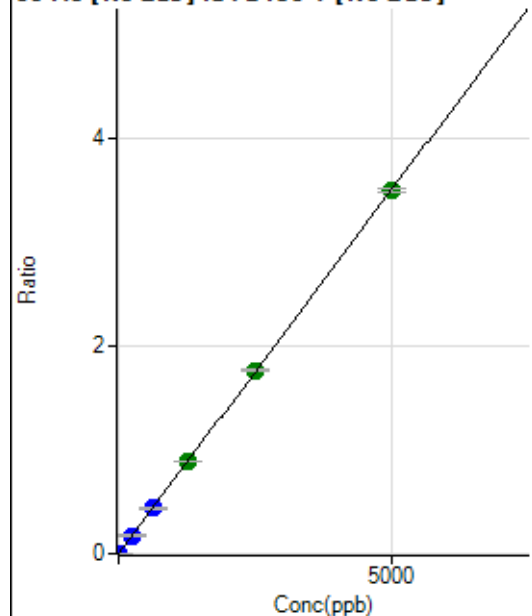
$$DL = 0.03527$$

$$BEC = 0.01704$$

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	69.45	0.0000	P	17.6
2	☐	0.500					
3	☐	5.000	4.645	9250.76	0.0033	P	3.5
4	☐	250.000	250.362	503337.81	0.1756	P	0.9
5	☐	625.000	621.555	1296417.91	0.4359	P	1.0
6	☐	1250.000	1266.086	2641993.09	0.8878	A	0.7
7	☐	2500.000	2520.888	5272158.75	1.7676	A	0.3
8	☐	5000.000	4985.947	10344040.77	3.4961	A	1.0
9	☐			5570.82	0.0020	P	4.0

$$y = 7.0119E-004 * x + 2.4584E-005$$

$$R = 1.0000$$

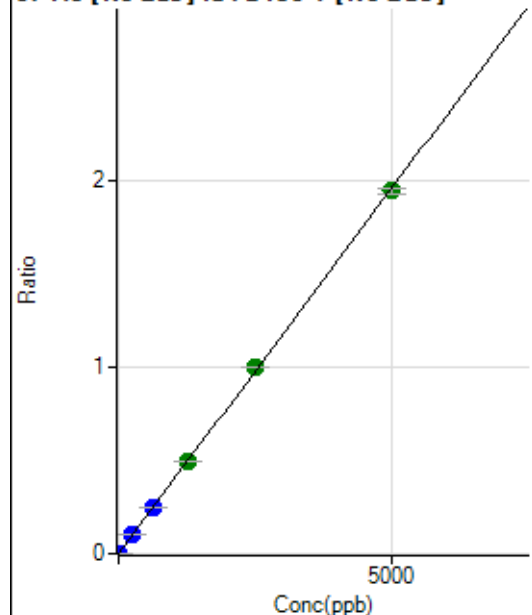
$$DL = 0.01852$$

$$BEC = 0.03506$$

Weight: <None>

Min Conc: 0

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



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	33.33	0.0000	P	49.3
2	☐	0.500					
3	☐	5.000	4.689	5209.57	0.0018	P	4.2
4	☐	250.000	252.037	283019.05	0.0987	P	1.5
5	☐	625.000	627.874	731493.36	0.2459	P	1.2
6	☐	1250.000	1261.261	1470113.30	0.4940	A	0.7
7	☐	2500.000	2558.201	2988465.91	1.0020	A	0.4
8	☐	5000.000	4967.623	5756462.72	1.9457	A	1.6
9	☐			2739.30	0.0010	P	4.0

$$y = 3.9167\text{E-}004 * x + 1.1781\text{E-}005$$

$$R = 0.9999$$

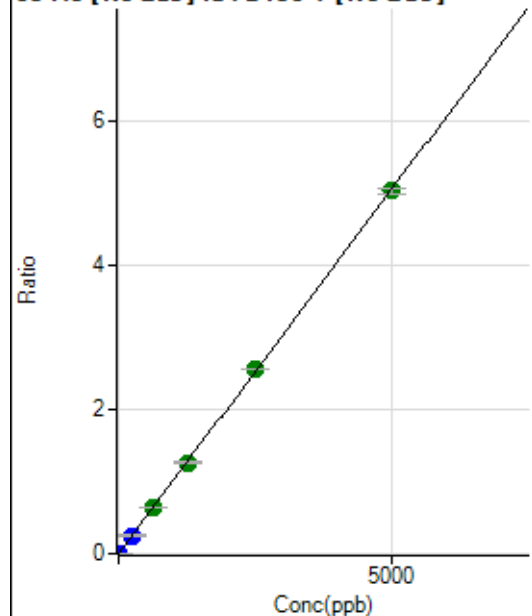
$$DL = 0.0445$$

$$BEC = 0.03008$$

Weight: <None>

Min Conc: 0

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



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	44.45	0.0000	P	53.9
2	☐	0.500					
3	☐	5.000	4.783	13676.89	0.0049	P	3.2
4	☐	250.000	249.588	723578.00	0.2524	P	1.3
5	☐	625.000	633.824	1906525.69	0.6409	A	0.5
6	☐	1250.000	1247.786	3754714.41	1.2618	A	1.6
7	☐	2500.000	2538.008	7654589.32	2.5664	A	0.7
8	☐	5000.000	4980.467	14900419.26	5.0362	A	1.5
9	☐			7374.53	0.0026	P	2.7

$$y = 0.0010 * x + 1.5719\text{E-}005$$

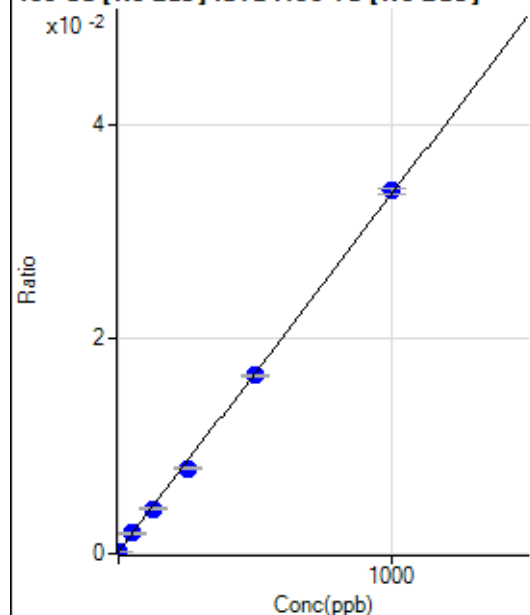
$$R = 1.0000$$

$$DL = 0.02513$$

$$BEC = 0.01555$$

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	583.37	0.0002	P	16.6
2	☐	0.100					
3	☐	1.000	0.431	622.26	0.0002	P	7.9
4	☐	50.000	51.366	5584.76	0.0019	P	3.8
5	☐	125.000	120.079	13298.75	0.0042	P	3.7
6	☐	250.000	231.802	24946.24	0.0079	P	1.3
7	☐	500.000	491.730	51669.46	0.0166	P	0.2
8	☐	1000.000	1009.232	102933.83	0.0338	P	1.7
9	☐			672.27	0.0002	P	10.0

$$y = 3.3266\text{E-}005 * x + 2.0641\text{E-}004$$

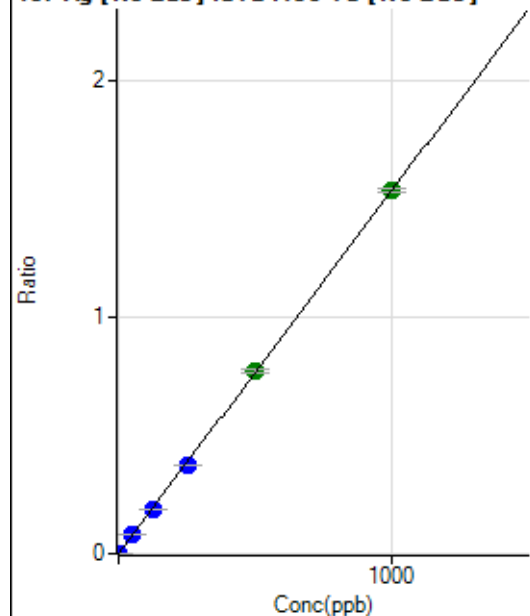
$$R = 0.9998$$

$$DL = 3.098$$

$$BEC = 6.205$$

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	91.67	0.0000	P	8.7
2	☐	0.100					
3	☐	1.000	0.997	4400.96	0.0016	P	5.8
4	☐	50.000	51.156	228757.75	0.0784	P	1.3
5	☐	125.000	122.975	596710.19	0.1885	P	0.5
6	☐	250.000	242.421	1170783.27	0.3716	P	0.3
7	☐	500.000	504.091	2409963.81	0.7726	A	1.5
8	☐	1000.000	1000.045	4670608.65	1.5328	A	1.1
9	☐			1389.03	0.0005	P	5.2

$$y = 0.0015 * x + 3.2437\text{E-}005$$

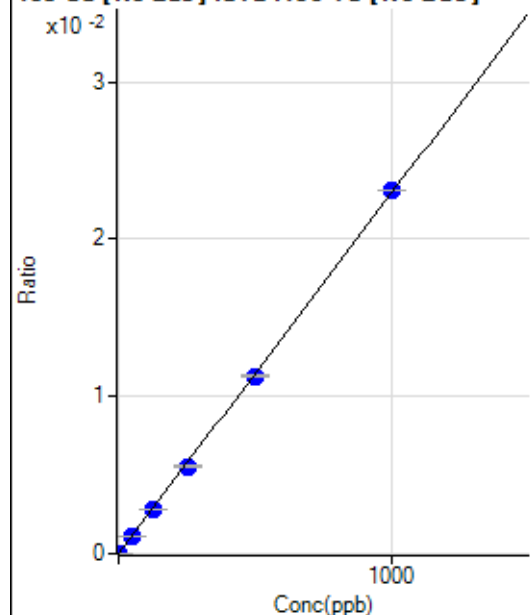
$$R = 1.0000$$

$$DL = 0.005538$$

$$BEC = 0.02116$$

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	8.33	0.0000	P	49.9
2	☐	0.100					
3	☐	1.000	0.669	51.39	0.0000	P	38.2
4	☐	50.000	48.331	3239.35	0.0011	P	1.2
5	☐	125.000	122.260	8879.51	0.0028	P	2.4
6	☐	250.000	241.428	17443.53	0.0055	P	1.1
7	☐	500.000	491.628	35155.88	0.0113	P	1.2
8	☐	1000.000	1006.755	70322.58	0.0231	P	0.2
9	☐			19.44	0.0000	P	13.8

$$y = 2.2919\text{E-}005 * x + 2.9476\text{E-}006$$

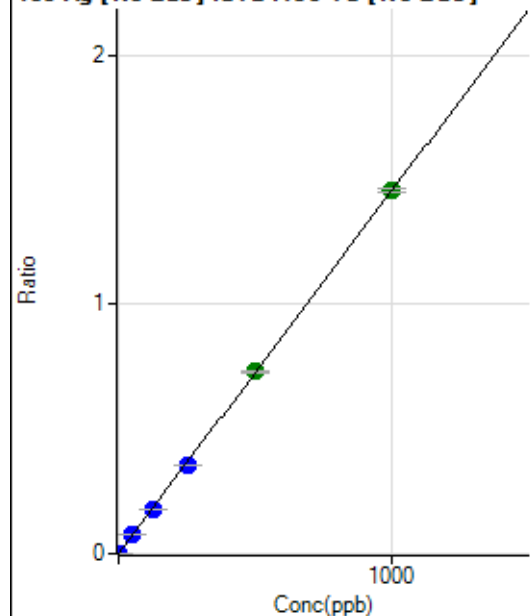
$$R = 0.9999$$

$$DL = 0.1926$$

$$BEC = 0.1286$$

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	83.34	0.0000	P	35.0
2	☐	0.100					
3	☐	1.000	1.011	4225.85	0.0015	P	6.3
4	☐	50.000	51.157	216929.97	0.0744	P	0.8
5	☐	125.000	122.450	563409.14	0.1780	P	0.8
6	☐	250.000	242.890	1112351.41	0.3530	P	1.0
7	☐	500.000	502.925	2280043.06	0.7310	A	1.0
8	☐	1000.000	1000.576	4431379.01	1.4543	A	1.1
9	☐			1275.12	0.0005	P	12.7

$$y = 0.0015 * x + 2.9516\text{E-}005$$

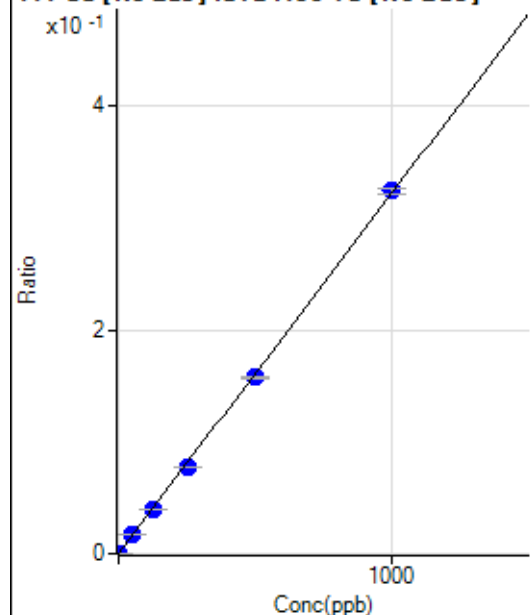
$$R = 1.0000$$

$$DL = 0.02132$$

$$BEC = 0.02031$$

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	417.80	0.0001	P	17.1
2	☐	0.100					
3	☐	1.000	0.837	1176.04	0.0004	P	5.8
4	☐	50.000	50.597	47876.78	0.0164	P	0.9
5	☐	125.000	121.404	124025.14	0.0392	P	0.9
6	☐	250.000	239.466	243052.13	0.0771	P	0.4
7	☐	500.000	490.113	491976.45	0.1577	P	1.2
8	☐	1000.000	1007.997	987964.43	0.3242	P	1.3
9	☐			529.20	0.0002	P	11.8

$$y = 3.2152E-004 * x + 1.4783E-004$$

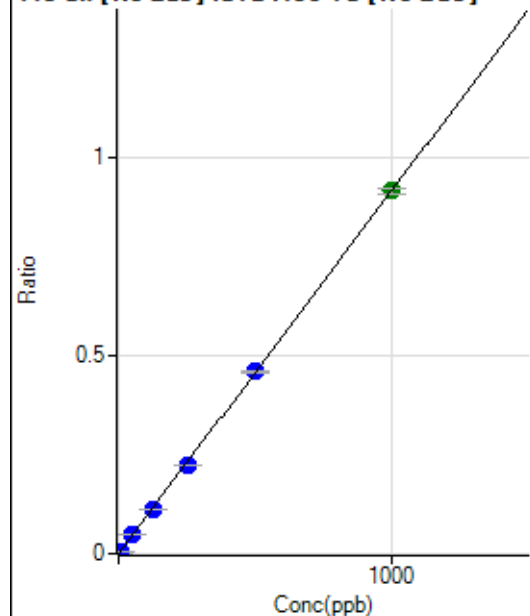
$$R = 0.9999$$

$$DL = 0.2359$$

$$BEC = 0.4598$$

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	175.01	0.0001	P	40.8
2	☐	0.500					
3	☐	5.000	4.866	12731.53	0.0045	P	2.7
4	☐	50.000	50.737	135585.31	0.0465	P	0.6
5	☐	125.000	123.834	358856.69	0.1134	P	0.4
6	☐	250.000	245.483	707926.60	0.2247	P	0.3
7	☐	500.000	501.611	1431857.15	0.4590	P	0.9
8	☐	1000.000	1000.433	2789449.93	0.9155	A	1.5
9	☐			2655.94	0.0010	P	7.3

$$y = 9.1502E-004 * x + 6.1968E-005$$

$$R = 1.0000$$

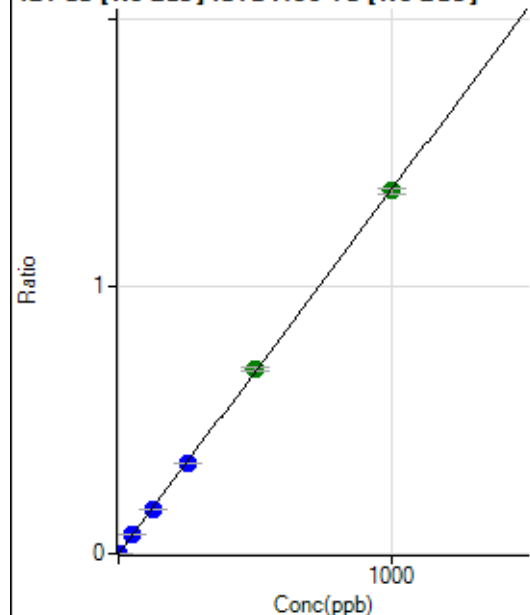
$$DL = 0.08283$$

$$BEC = 0.06772$$

Weight: <None>

Min Conc: 0

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



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	58.34	0.0000	P	37.5
2	☐	0.200					
3	☐	2.000	1.794	6946.61	0.0025	P	5.0
4	☐	50.000	50.867	202024.89	0.0693	P	1.1
5	☐	125.000	123.432	531949.20	0.1681	P	0.1
6	☐	250.000	246.819	1058752.36	0.3360	P	0.4
7	☐	500.000	508.602	2159676.81	0.6924	A	1.7
8	☐	1000.000	996.647	4134226.79	1.3568	A	1.5
9	☐			6215.65	0.0022	P	2.9

$$y = 0.0014 * x + 2.0631E-005$$

$$R = 0.9999$$

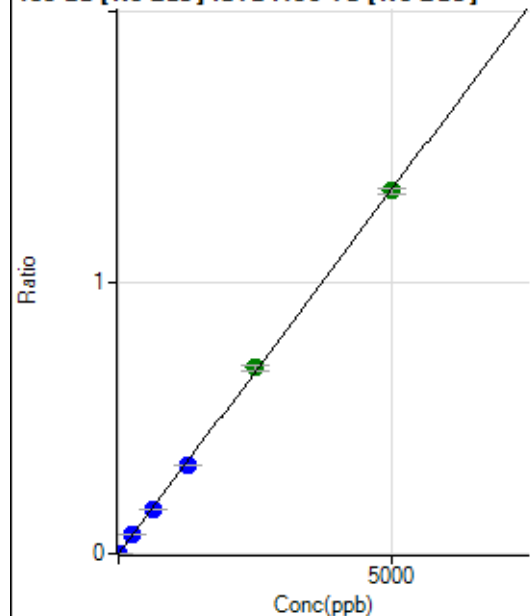
$$DL = 0.01703$$

$$BEC = 0.01515$$

Weight: <None>

Min Conc: 0

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



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	16.67	0.0000	P	0.4
2	☐	1.000					
3	☐	10.000	9.738	7391.30	0.0026	P	9.0
4	☐	250.000	252.161	197547.79	0.0677	P	0.3
5	☐	625.000	613.374	521486.03	0.1648	P	0.5
6	☐	1250.000	1217.263	1030146.80	0.3270	P	0.8
7	☐	2500.000	2551.115	2137111.53	0.6852	A	2.3
8	☐	5000.000	4983.973	4078772.44	1.3387	A	1.8
9	☐			494.48	0.0002	P	6.9

$$y = 2.6859E-004 * x + 5.8998E-006$$

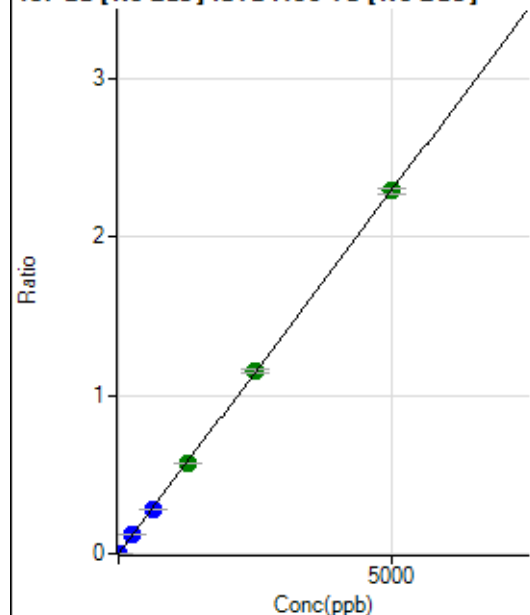
$$R = 0.9999$$

$$DL = 0.000245$$

$$BEC = 0.02197$$

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	22.22	0.0000	P	21.6
2	☐	1.000					
3	☐	10.000	9.740	12626.11	0.0045	P	0.5
4	☐	250.000	253.917	339772.77	0.1165	P	0.7
5	☐	625.000	619.567	899744.51	0.2843	P	0.8
6	☐	1250.000	1239.336	1791505.44	0.5686	A	0.9
7	☐	2500.000	2514.592	3598526.51	1.1537	A	1.2
8	☐	5000.000	4995.854	6983748.94	2.2920	A	1.5
9	☐			783.39	0.0003	P	10.4

$$y = 4.5878\text{E-}004 * x + 7.8650\text{E-}006$$

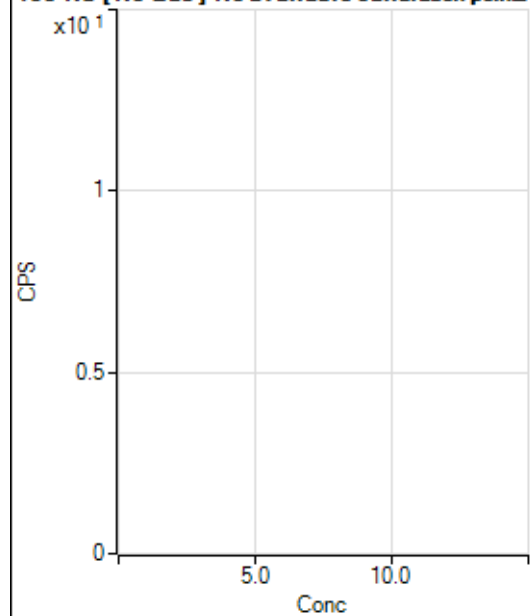
$$R = 1.0000$$

$$DL = 0.01113$$

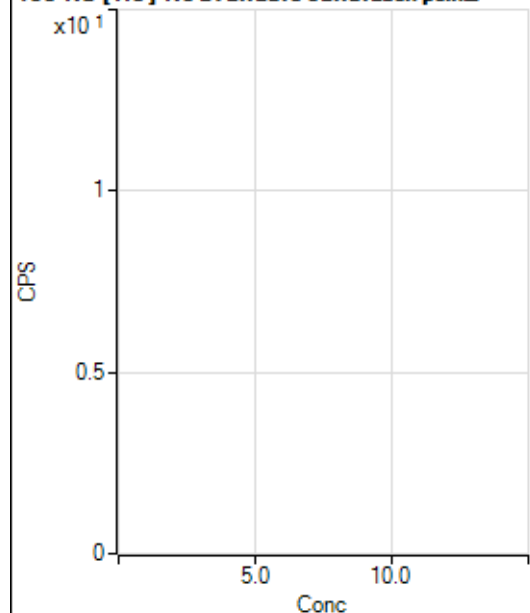
$$BEC = 0.01714$$

Weight: <None>

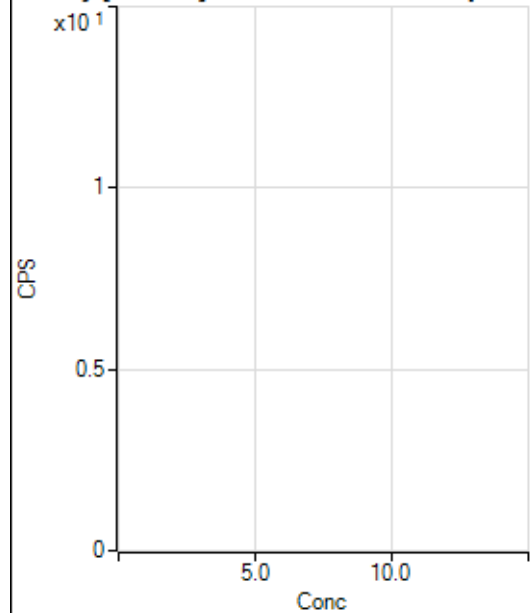
Min Conc: 0

150 Nd [No Gas] No available calibration points

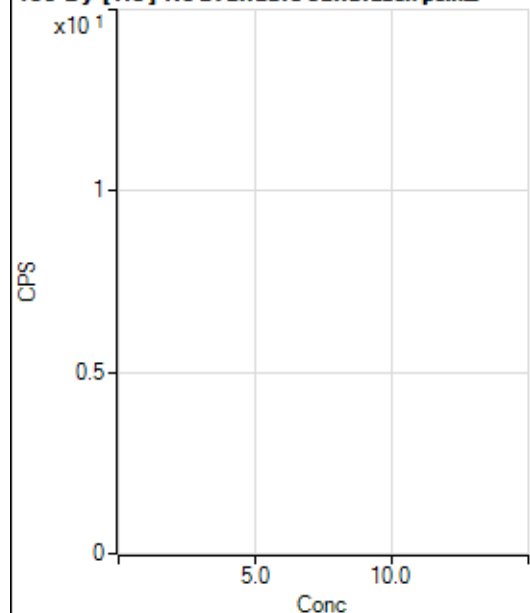
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			2.22		P	173.
2	☐						
3	☐			0.00		P	
4	☐			11.11		P	69.3
5	☐			33.33		P	34.6
6	☐			46.67		P	37.8
7	☐			97.78		P	46.4
8	☐			140.01		P	20.8
9	☐			40.00		P	33.3

150 Nd [He] No available calibration points

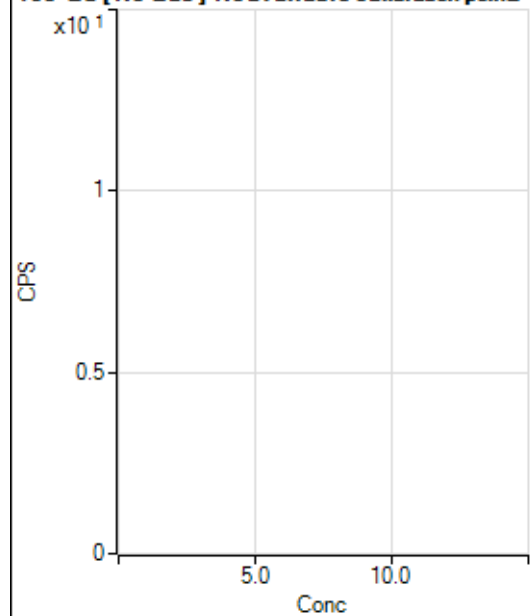
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			1.11		P	173.
2	☐						
3	☐			1.11		P	173.
4	☐			2.22		P	173.
5	☐			2.22		P	86.6
6	☐			2.22		P	86.6
7	☐			1.11		P	173.
8	☐			10.00		P	57.8
9	☐			6.67		P	50.0

156 Dy [No Gas] No available calibration points

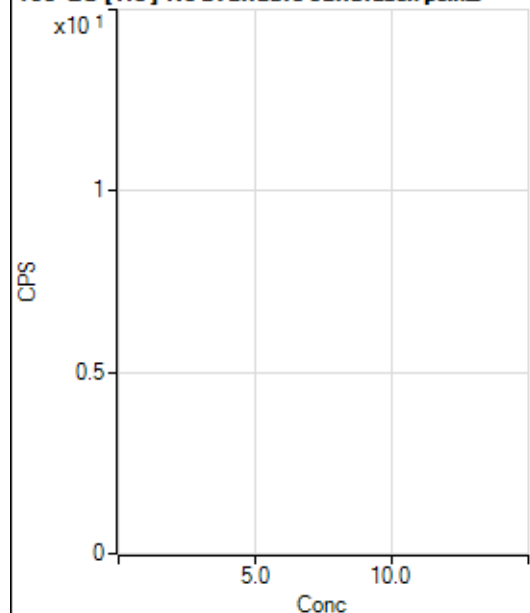
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			16.67		P	50.0
2	☐						
3	☐			11.11		P	114.
4	☐			16.66		P	86.6
5	☐			16.67		P	86.6
6	☐			16.67		P	132.
7	☐			36.11		P	58.1
8	☐			52.78		P	55.5
9	☐			33.33		P	75.0

156 Dy [He] No available calibration points

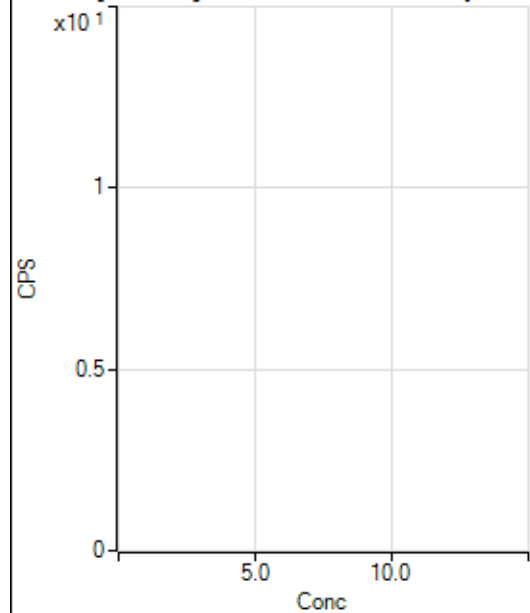
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			1.11		P	173.
2	☐						
3	☐			1.11		P	173.
4	☐			0.00		P	
5	☐			3.33		P	100.
6	☐			4.44		P	43.4
7	☐			1.11		P	173.
8	☐			5.55		P	124.
9	☐			10.00		P	33.3

160 Gd [No Gas] Noavailable calibration poin_

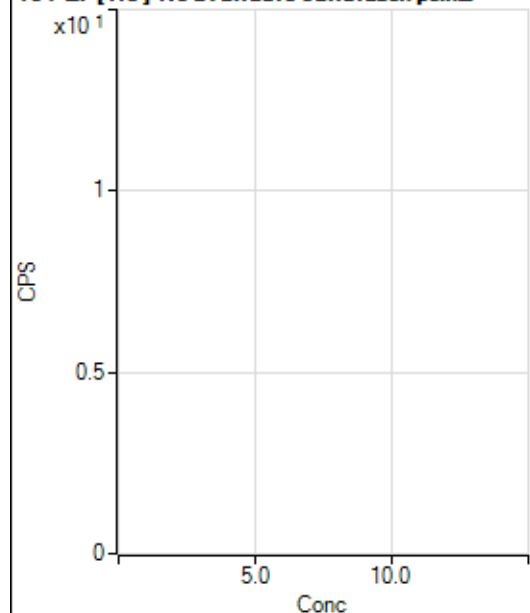
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			8.33		P	0.0
2	☐						
3	☐			19.45		P	24.7
4	☐			33.34		P	66.1
5	☐			13.89		P	91.6
6	☐			11.11		P	43.3
7	☐			38.89		P	49.5
8	☐			27.78		P	62.5
9	☐			58.33		P	51.5

160 Gd [He] No available calibration points

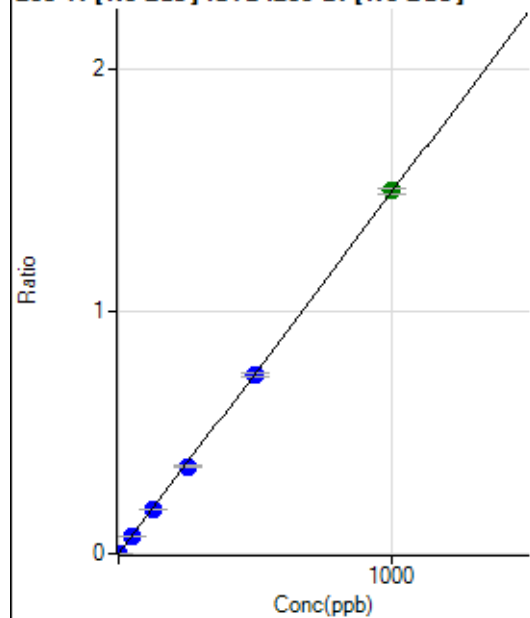
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			1.11		P	173.
2	☐						
3	☐			4.44		P	114.
4	☐			4.44		P	114.
5	☐			3.33		P	100.
6	☐			3.33		P	100.
7	☐			7.78		P	24.7
8	☐			8.89		P	86.6
9	☐			12.22		P	31.5

164 Er [No Gas] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			19.44		P	89.2
2	☐						
3	☐			22.22		P	114.
4	☐			22.22		P	43.3
5	☐			16.67		P	86.6
6	☐			22.22		P	21.6
7	☐			33.33		P	25.0
8	☐			11.11		P	86.6
9	☐			22.22		P	57.3

164 Er [He] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			2.22		P	86.6
2	☐						
3	☐			1.11		P	173.
4	☐			1.11		P	173.
5	☐			3.33		P	100.
6	☐			5.56		P	34.7
7	☐			2.22		P	86.6
8	☐			3.33		P	173.
9	☐			4.44		P	43.4

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	16.67	0.0000	P	50.4
2	☐	0.100					
3	☐	1.000	0.923	2175.30	0.0014	P	7.0
4	☐	50.000	49.865	124048.52	0.0743	P	1.6
5	☐	125.000	121.970	334379.52	0.1818	P	0.8
6	☐	250.000	241.741	654099.39	0.3603	P	0.7
7	☐	500.000	495.230	1320809.31	0.7381	P	1.7
8	☐	1000.000	1004.835	2559351.62	1.4976	A	1.7
9	☐			386.13	0.0003	P	23.9

$$y = 0.0015 * x + 1.0712E-005$$

$$R = 0.9999$$

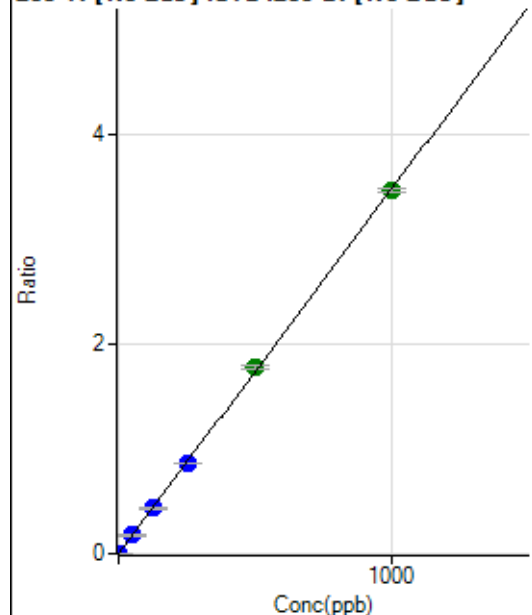
$$DL = 0.01087$$

$$BEC = 0.007188$$

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	44.44	0.0000	P	21.9
2	☐	0.100					
3	☐	1.000	0.981	5398.63	0.0034	P	4.0
4	☐	50.000	50.510	293490.75	0.1759	P	2.0
5	☐	125.000	124.111	794751.09	0.4321	P	1.4
6	☐	250.000	248.101	1568087.21	0.8637	P	0.4
7	☐	500.000	510.598	3181049.81	1.7776	A	1.5
8	☐	1000.000	995.262	5921365.97	3.4648	A	1.0
9	☐			719.50	0.0005	P	2.8

$$y = 0.0035 * x + 2.8541E-005$$

$$R = 0.9999$$

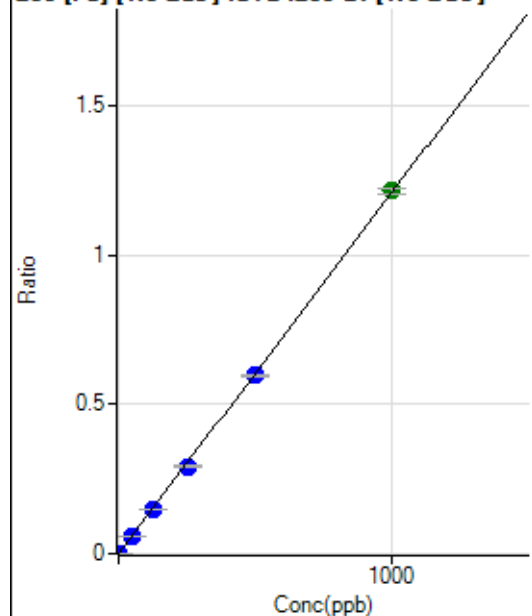
$$DL = 0.005391$$

$$BEC = 0.008198$$

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	111.12	0.0001	P	13.6
2	☐	0.100					
3	☐	1.000	0.894	1803.89	0.0012	P	8.3
4	☐	50.000	49.841	100556.65	0.0603	P	1.7
5	☐	125.000	122.149	271411.00	0.1476	P	1.8
6	☐	250.000	242.345	531388.83	0.2927	P	0.7
7	☐	500.000	493.746	1067074.63	0.5963	P	1.3
8	☐	1000.000	1005.405	2074865.50	1.2141	A	1.4
9	☐			2915.25	0.0020	P	18.6

$$y = 0.0012 * x + 7.1350E-005$$

$$R = 0.9999$$

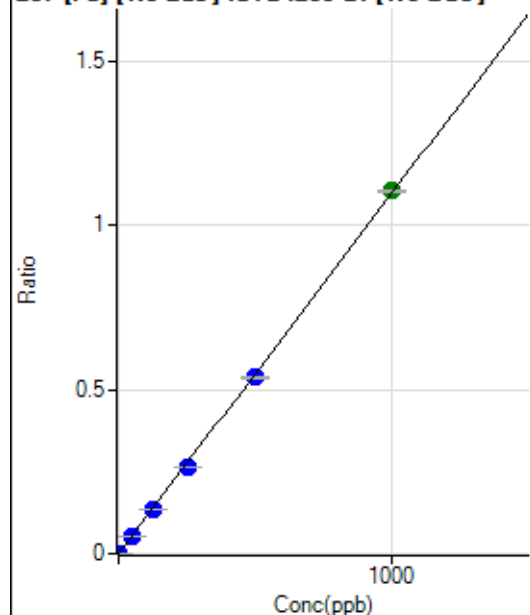
$$DL = 0.0241$$

$$BEC = 0.05909$$

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	83.34	0.0001	P	6.3
2	☐	0.100					
3	☐	1.000	0.890	1614.97	0.0010	P	5.1
4	☐	50.000	48.728	89225.03	0.0535	P	2.1
5	☐	125.000	121.177	244422.62	0.1329	P	0.5
6	☐	250.000	239.813	477330.94	0.2629	P	1.1
7	☐	500.000	490.001	961328.93	0.5372	P	1.2
8	☐	1000.000	1008.088	1888579.03	1.1051	A	0.8
9	☐			2470.70	0.0017	P	16.4

$$y = 0.0011 * x + 5.3485E-005$$

$$R = 0.9999$$

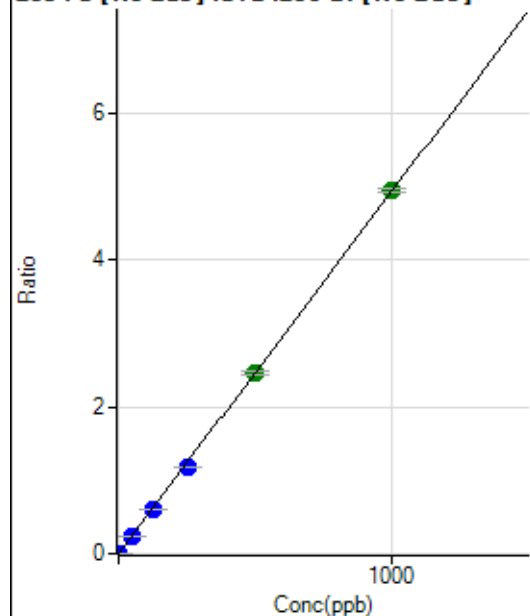
$$DL = 0.009227$$

$$BEC = 0.04879$$

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	401.87	0.0003	P	11.5
2	☐	0.100					
3	☐	1.000	0.885	7232.51	0.0046	P	3.1
4	☐	50.000	49.090	403531.59	0.2418	P	2.1
5	☐	125.000	121.275	1098093.25	0.5970	P	1.1
6	☐	250.000	240.674	2150460.73	1.1845	P	0.6
7	☐	500.000	500.588	4408581.57	2.4635	A	1.5
8	☐	1000.000	1002.549	8431195.01	4.9334	A	1.1
9	☐			11528.43	0.0079	P	16.8

$$y = 0.0049 * x + 2.5801E-004$$

$$R = 1.0000$$

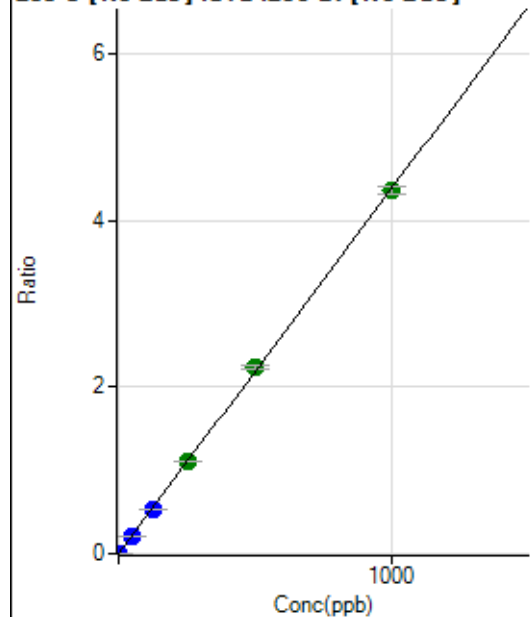
$$DL = 0.01809$$

$$BEC = 0.05244$$

Weight: <None>

Min Conc: 0

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



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	97.23	0.0001	P	32.3
2	☐	0.100					
3	☐	1.000	0.900	6290.81	0.0040	P	2.2
4	☐	50.000	48.545	355334.79	0.2129	P	2.0
5	☐	125.000	121.896	983162.34	0.5345	P	1.8
6	☐	250.000	253.152	2015276.26	1.1101	A	1.2
7	☐	500.000	511.026	4010057.03	2.2408	A	1.4
8	☐	1000.000	994.160	7450062.15	4.3592	A	2.1
9	☐			244.46	0.0002	P	12.6

$$y = 0.0044 * x + 6.2395E-005$$

$$R = 0.9999$$

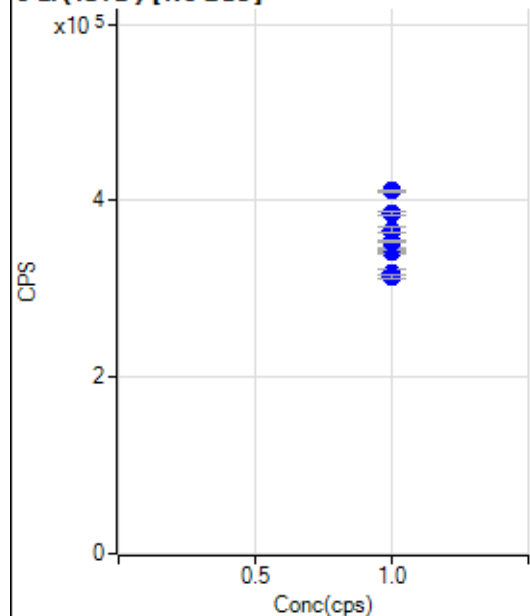
$$DL = 0.01379$$

$$BEC = 0.01423$$

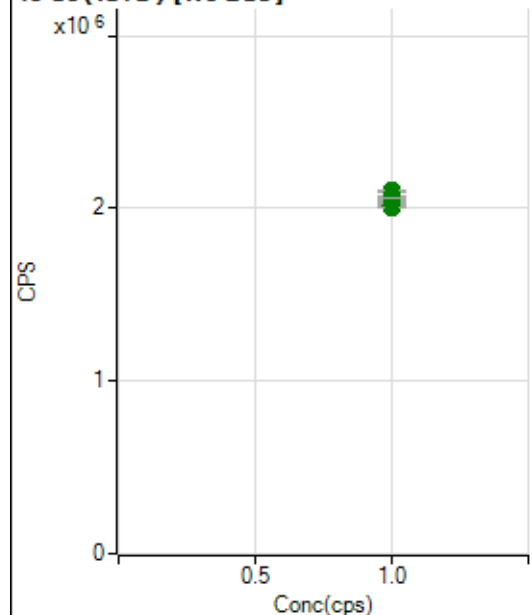
Weight: <None>

Min Conc: 0

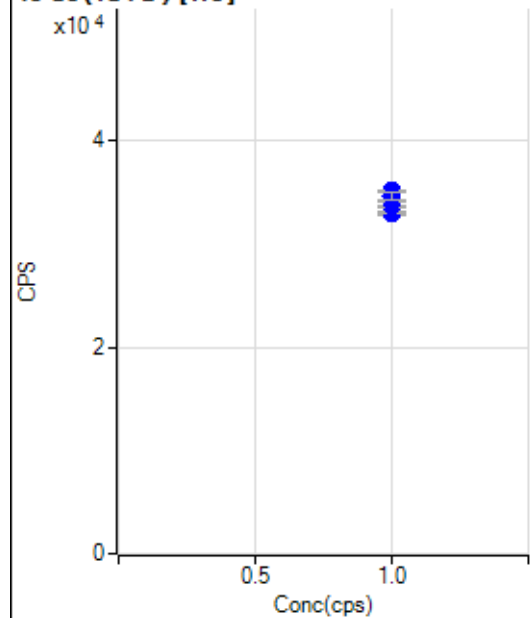
6 Li (ISTD) [No Gas]



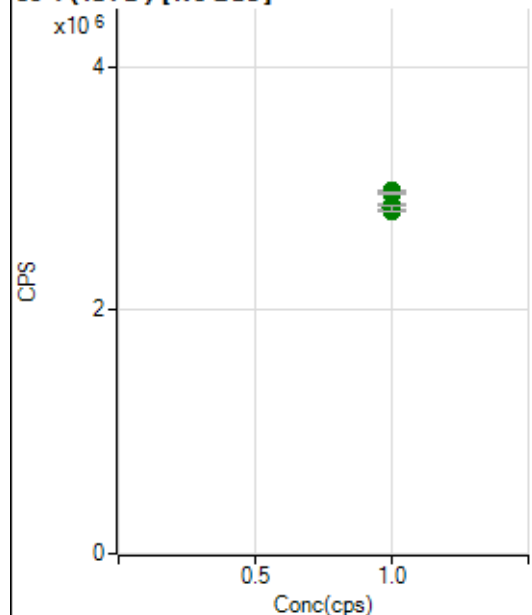
	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		341293.66		P	0.3
2	☐	1.000					
3	☐	1.000		345493.34		P	0.2
4	☐	1.000		367090.92		P	2.0
5	☐	1.000		411065.05		P	0.8
6	☐	1.000		385418.86		P	0.9
7	☐	1.000		353737.19		P	0.7
8	☐	1.000		318843.17		P	1.9
9	☐	1.000		314176.72		P	1.2

45 Sc (ISTD) [No Gas]

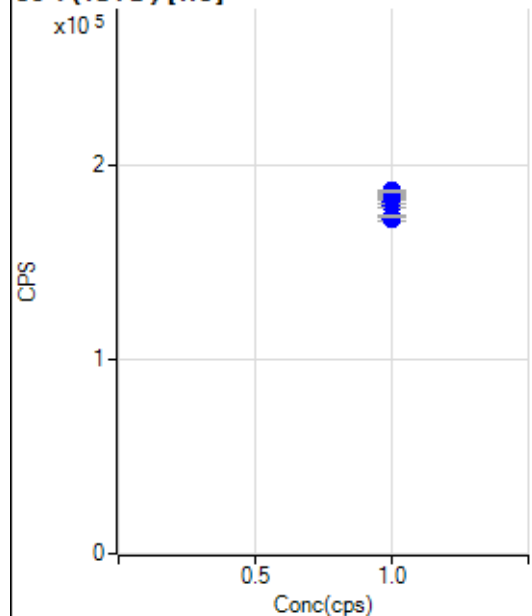
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		2009841.10		A	1.0
2	☐	1.000					
3	☐	1.000		2010840.54		A	1.1
4	☐	1.000		2033706.99		A	0.7
5	☐	1.000		2101085.29		A	0.6
6	☐	1.000		2071592.62		A	0.2
7	☐	1.000		2044581.99		A	0.7
8	☐	1.000		2039120.42		A	0.4
9	☐	1.000		2059909.21		A	0.4

45 Sc (ISTD) [He]

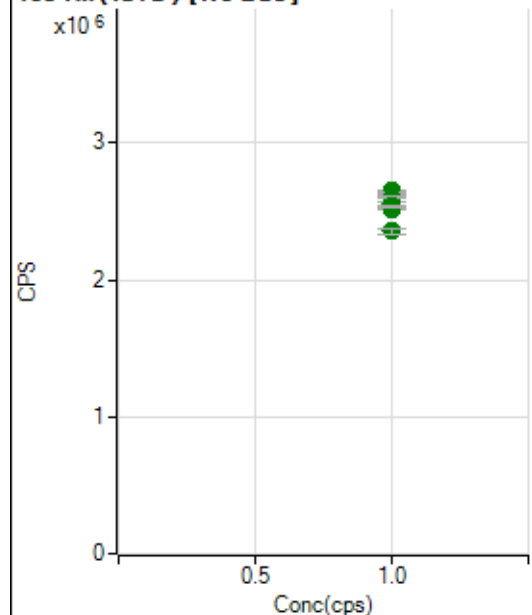
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		32973.28		P	0.8
2	☐	1.000					
3	☐	1.000		33009.95		P	1.0
4	☐	1.000		33129.19		P	0.4
5	☐	1.000		33169.29		P	0.6
6	☐	1.000		33711.66		P	0.7
7	☐	1.000		34139.42		P	0.3
8	☐	1.000		35177.46		P	0.6
9	☐	1.000		34645.10		P	1.9

89 Y (ISTD) [No Gas]

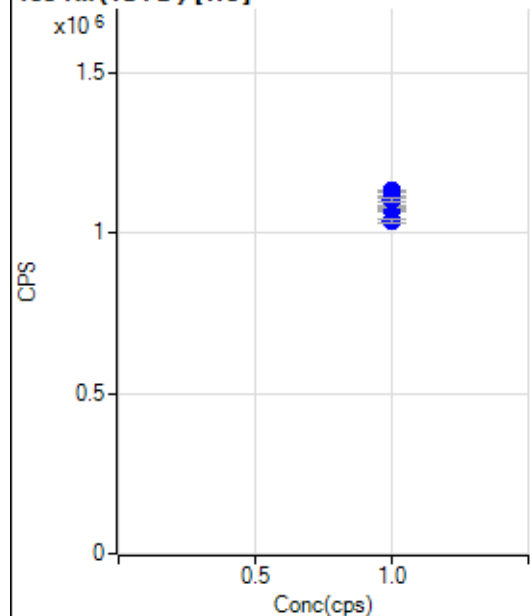
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		2822773.81		A	0.8
2	☐	1.000					
3	☐	1.000		2818636.42		A	0.7
4	☐	1.000		2866919.12		A	0.7
5	☐	1.000		2974701.59		A	1.2
6	☐	1.000		2976063.78		A	1.0
7	☐	1.000		2982600.09		A	0.2
8	☐	1.000		2958842.70		A	0.7
9	☐	1.000		2842452.77		A	1.6

89 Y (ISTD) [He]

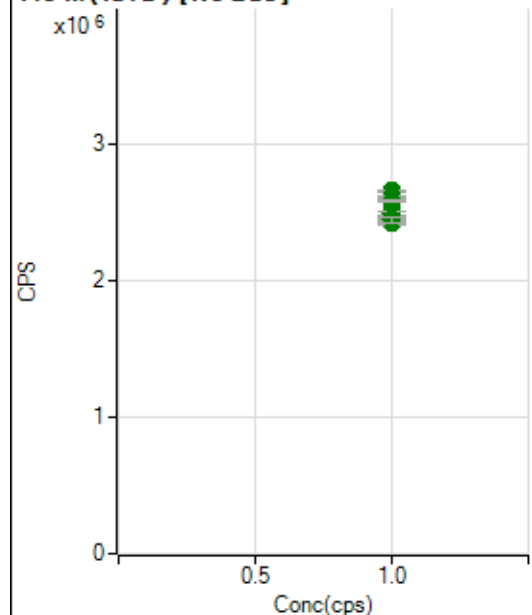
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		172846.59		P	1.3
2	☐	1.000					
3	☐	1.000		173838.65		P	0.8
4	☐	1.000		179595.43		P	1.1
5	☐	1.000		181482.01		P	0.7
6	☐	1.000		183811.06		P	0.4
7	☐	1.000		184130.42		P	0.6
8	☐	1.000		185859.87		P	0.7
9	☐	1.000		187161.67		P	0.5

103 Rh (ISTD) [No Gas]

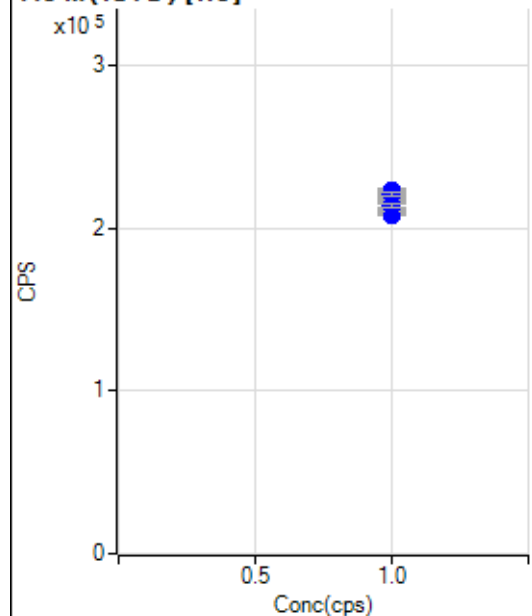
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		2515003.68		A	0.5
2	☐	1.000					
3	☐	1.000		2516702.42		A	0.7
4	☐	1.000		2552640.96		A	1.7
5	☐	1.000		2649598.56		A	0.2
6	☐	1.000		2632060.15		A	0.4
7	☐	1.000		2603939.40		A	0.6
8	☐	1.000		2535909.15		A	1.0
9	☐	1.000		2352417.72		A	2.0

103 Rh (ISTD) [He]

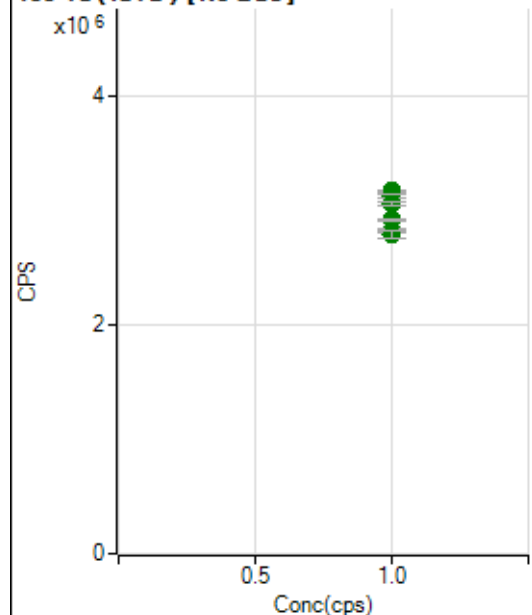
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		1073224.69		P	0.8
2	☐	1.000					
3	☐	1.000		1082613.34		P	0.3
4	☐	1.000		1116548.73		P	0.6
5	☐	1.000		1132644.80		P	0.6
6	☐	1.000		1128327.35		P	0.3
7	☐	1.000		1114928.20		P	0.4
8	☐	1.000		1104109.40		P	0.8
9	☐	1.000		1038955.71		P	0.7

115 In (ISTD) [No Gas]

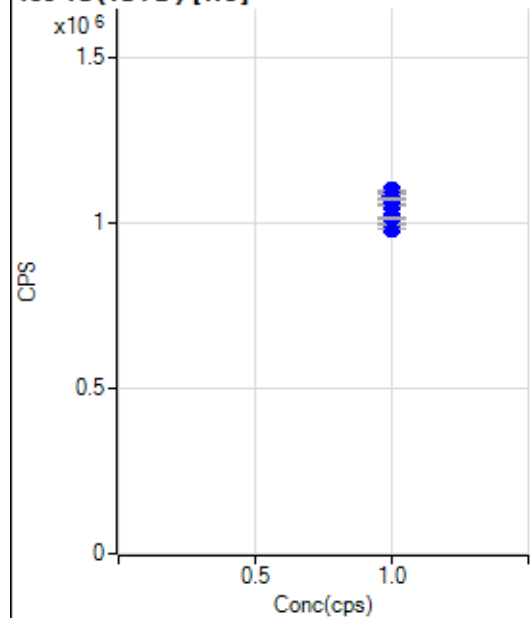
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		2430423.89		A	1.1
2	☐	1.000					
3	☐	1.000		2419547.48		A	0.8
4	☐	1.000		2488479.51		A	1.5
5	☐	1.000		2651580.81		A	0.7
6	☐	1.000		2607987.36		A	0.6
7	☐	1.000		2575179.87		A	0.4
8	☐	1.000		2500972.55		A	0.2
9	☐	1.000		2439175.91		A	1.7

115 In (ISTD) [He]

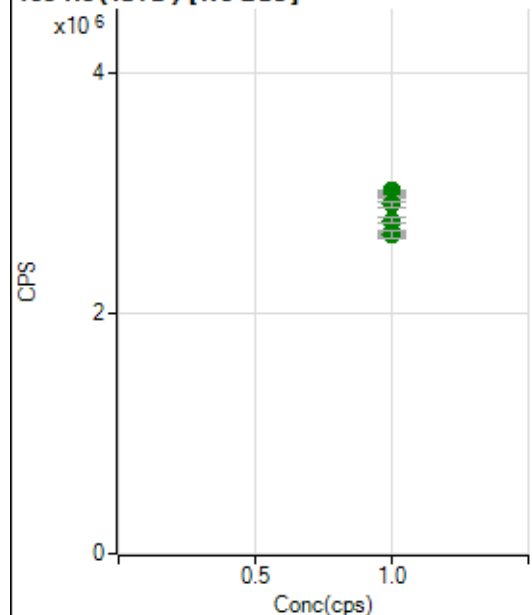
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		208202.95		P	0.7
2	☐	1.000					
3	☐	1.000		210646.57		P	0.4
4	☐	1.000		217042.74		P	0.6
5	☐	1.000		222845.83		P	1.5
6	☐	1.000		222299.03		P	1.0
7	☐	1.000		217778.54		P	0.5
8	☐	1.000		213806.92		P	0.7
9	☐	1.000		220692.57		P	1.1

159 Tb (ISTD) [No Gas]

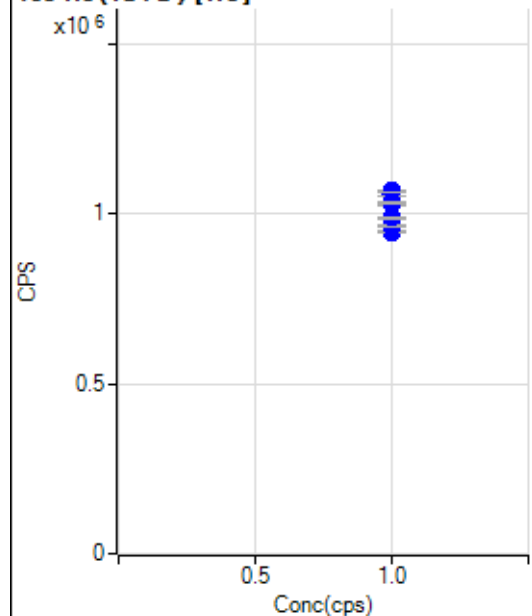
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		2825561.28		A	0.4
2	☐	1.000					
3	☐	1.000		2820633.40		A	1.2
4	☐	1.000		2916541.03		A	0.6
5	☐	1.000		3165296.62		A	0.5
6	☐	1.000		3150750.20		A	0.1
7	☐	1.000		3119355.02		A	1.0
8	☐	1.000		3047316.66		A	1.2
9	☐	1.000		2784199.68		A	1.9

159 Tb (ISTD) [He]

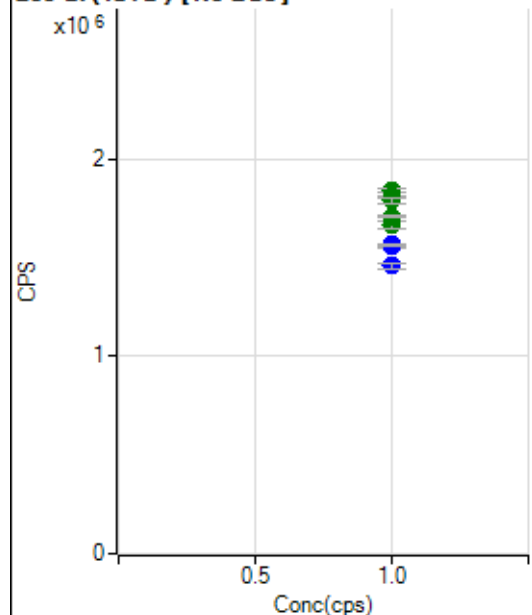
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		981502.18		P	0.3
2	☐	1.000					
3	☐	1.000		996905.35		P	0.6
4	☐	1.000		1053276.59		P	0.4
5	☐	1.000		1096364.56		P	0.3
6	☐	1.000		1095524.12		P	0.4
7	☐	1.000		1082038.55		P	0.9
8	☐	1.000		1069676.00		P	0.5
9	☐	1.000		1015108.20		P	0.7

165 Ho (ISTD) [No Gas]

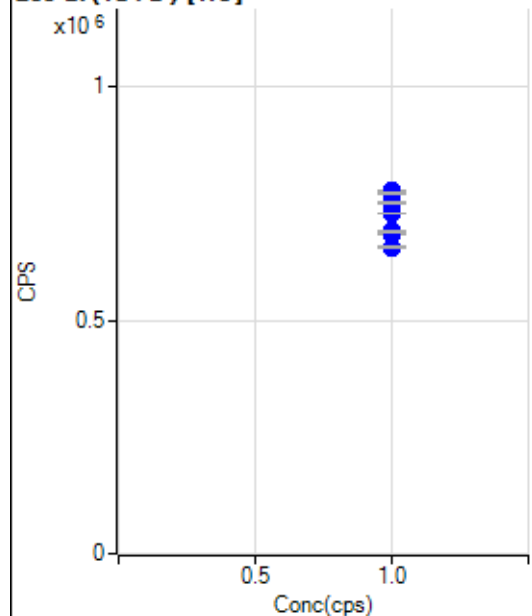
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		2667437.47		A	0.4
2	☐	1.000					
3	☐	1.000		2659144.26		A	1.3
4	☐	1.000		2774676.80		A	1.6
5	☐	1.000		3019653.19		A	0.5
6	☐	1.000		2985515.95		A	1.0
7	☐	1.000		2965044.36		A	0.6
8	☐	1.000		2907402.63		A	1.7
9	☐	1.000		2662043.48		A	2.6

165 Ho (ISTD) [He]

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		947327.04		P	0.9
2	☐	1.000					
3	☐	1.000		963635.12		P	0.8
4	☐	1.000		1028734.22		P	0.8
5	☐	1.000		1067268.16		P	0.3
6	☐	1.000		1065683.27		P	0.3
7	☐	1.000		1058402.06		P	0.8
8	☐	1.000		1033549.16		P	0.5
9	☐	1.000		989014.21		P	0.4

209 Bi (ISTD) [No Gas]

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		1557885.17		P	0.5
2	☐	1.000					
3	☐	1.000		1568580.00		P	0.8
4	☐	1.000		1669365.77		A	2.5
5	☐	1.000		1839452.04		A	0.9
6	☐	1.000		1815480.55		A	0.2
7	☐	1.000		1789824.68		A	1.5
8	☐	1.000		1709048.02		A	0.4
9	☐	1.000		1458803.90		P	2.1

209 Bi (ISTD) [He]

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		686131.13		P	0.4
2	☐	1.000					
3	☐	1.000		691970.81		P	0.5
4	☐	1.000		752830.00		P	0.6
5	☐	1.000		777907.40		P	0.6
6	☐	1.000		772253.04		P	0.3
7	☐	1.000		751013.50		P	0.6
8	☐	1.000		729659.50		P	0.2
9	☐	1.000		656026.54		P	0.6