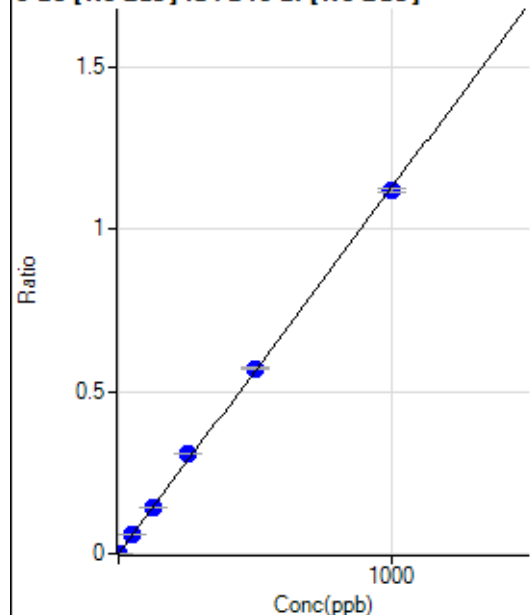


Batch Folder: D:\P8052619MS.b\
Analysis File: P8052619MS.batch.bin
DA Date-Time: 2019-05-30 12:59:43
Calibration Title:
Calibration Method: External Calibration
VIS Interpolation Fit:

Level	Standard Data File	Sample Name	Acq. Date-Time
1	003CALB.d	S00	2019-05-26 15:34:08
2			
3	005CALS.d	S02	2019-05-26 15:41:54
4	006CALS.d	S03	2019-05-26 15:45:53
5	007CALS.d	S04	2019-05-26 15:49:50
6	008CALS.d	S05	2019-05-26 15:53:45
7	009CALS.d	S06	2019-05-26 15:57:34
8	010CALS.d	S07	2019-05-26 16:01:19
9	011CALS.d	S08	2019-05-26 16:05:05

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

	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	37.04	0.0001	P	52.2
2	☐	0.100					
3	☐	1.000	0.900	500.02	0.0011	P	9.7
4	☐	50.000	51.344	26459.65	0.0579	P	1.0
5	☐	125.000	124.392	64017.68	0.1403	P	0.6
6	☐	250.000	272.559	136283.78	0.3072	P	1.1
7	☐	500.000	505.746	248272.02	0.5700	P	0.6
8	☐	1000.000	991.496	485754.20	1.1174	P	1.1
9	☐			92.59	0.0002	P	19.0

$$y = 0.0011 * x + 7.5727E-005$$

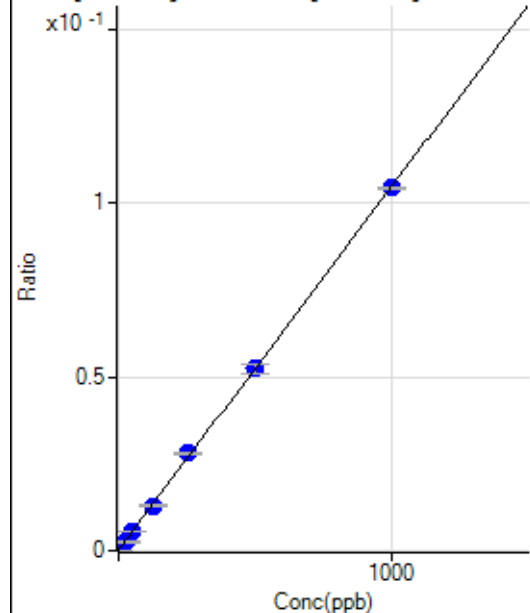
$$R = 0.9997$$

$$DL = 0.1053$$

$$BEC = 0.0672$$

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	113.89	0.0002	P	25.2
2	☐	2.500					
3	☐	25.000	22.348	1177.86	0.0026	P	14.6
4	☐	50.000	51.079	2541.95	0.0056	P	1.4
5	☐	125.000	121.430	5893.02	0.0129	P	5.1
6	☐	250.000	266.274	12436.25	0.0280	P	2.7
7	☐	500.000	498.912	22793.61	0.0523	P	5.2
8	☐	1000.000	996.934	45347.11	0.1043	P	0.8
9	☐			4225.71	0.0092	P	3.8

$$y = 1.0440E-004 * x + 2.3308E-004$$

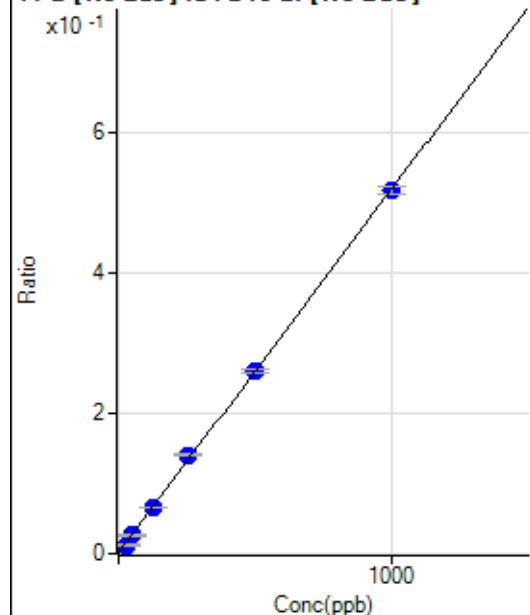
$$R = 0.9998$$

$$DL = 1.691$$

$$BEC = 2.233$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	630.59	0.0013	P	8.5
2	☐	2.500					
3	☐	25.000	20.526	5465.05	0.0119	P	7.3
4	☐	50.000	47.957	11924.72	0.0261	P	2.2
5	☐	125.000	123.047	29653.45	0.0650	P	1.2
6	☐	250.000	268.355	62179.63	0.1402	P	2.2
7	☐	500.000	500.487	113378.26	0.2603	P	2.1
8	☐	1000.000	995.626	224539.66	0.5165	P	2.1
9	☐			19822.45	0.0433	P	5.7

$$y = 5.1748\text{E-}004 * x + 0.0013$$

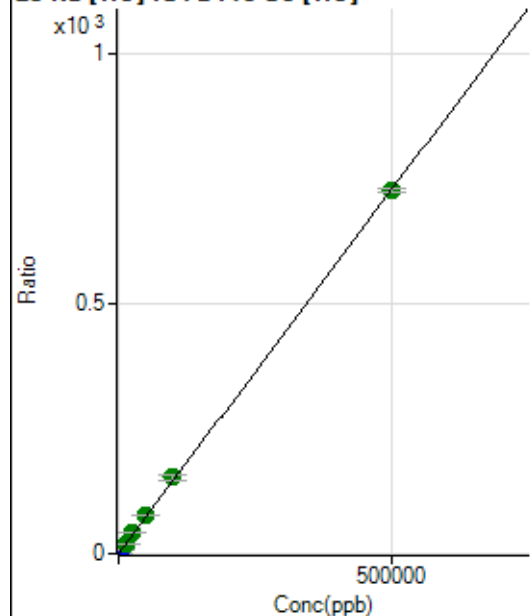
$$R = 0.9998$$

$$DL = 0.6338$$

$$BEC = 2.495$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	3808.94	0.0533	P	3.2
2	☐	50.000					
3	☐	500.000	471.095	54518.62	0.7384	P	0.8
4	☐	5000.000	5491.381	590004.73	8.0400	P	1.2
5	☐	12500.000	13479.418	1435101.81	19.6579	A	0.6
6	☐	25000.000	28830.808	3100893.38	41.9851	A	0.6
7	☐	50000.000	51878.796	5502856.07	75.5063	A	0.3
8	☐	100000.00	104795.31	10937341.22	152.4686	A	9.1
9	☐	500000.00	498632.14	55191765.82	725.2690	A	1.0

$$y = 0.0015 * x + 0.0533$$

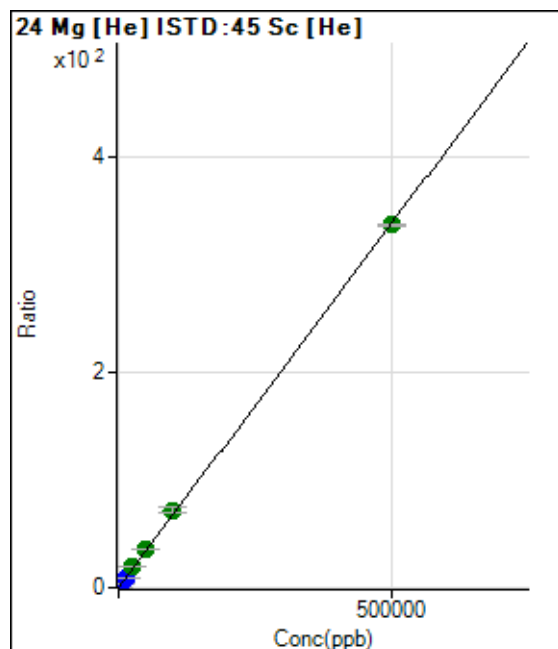
$$R = 0.9999$$

$$DL = 3.554$$

$$BEC = 36.61$$

Weight: <None>

Min Conc: 0



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	30.56	0.0004	P	60.5
2	☐	50.000					
3	☐	500.000	488.835	24432.56	0.3310	P	1.8
4	☐	5000.000	5588.178	277392.68	3.7792	P	0.4
5	☐	12500.000	13644.718	673708.46	9.2270	P	0.3
6	☐	25000.000	29329.954	1465259.33	19.8334	A	1.9
7	☐	50000.000	52895.967	2607248.93	35.7689	A	1.5
8	☐	100000.00	106667.53	5174509.15	72.1294	A	8.6
9	☐	500000.00	498125.91	25635695.36	336.8348	A	0.4

$$y = 6.7620\text{E-}004 * x + 4.3283\text{E-}004$$

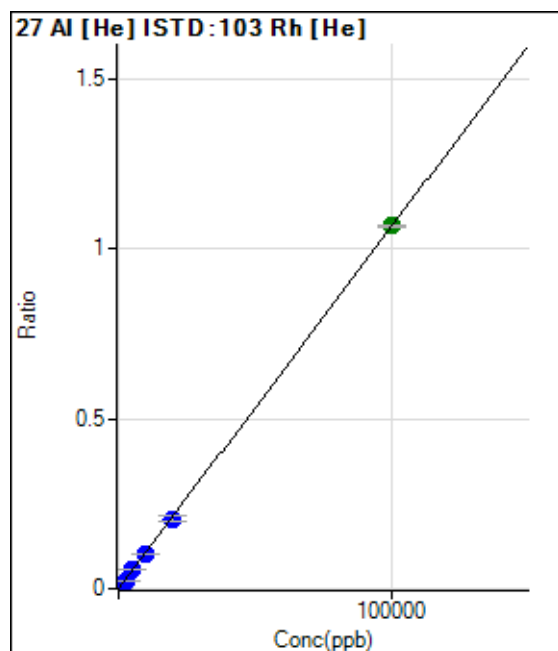
$$R = 0.9999$$

$$DL = 1.161$$

$$BEC = 0.6401$$

Weight: <None>

Min Conc: 0



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	16.66	0.0000	P	89.8
2	☐	2.000					
3	☐	20.000	15.847	302.79	0.0002	P	21.4
4	☐	1000.000	953.528	17085.65	0.0102	P	4.2
5	☐	2500.000	2356.981	42232.68	0.0251	P	1.0
6	☐	5000.000	5069.157	90459.43	0.0540	P	0.9
7	☐	10000.000	9419.417	164939.16	0.1004	P	0.8
8	☐	20000.000	19315.568	325324.75	0.2058	P	10.1
9	☐	100000.00	100195.52	1688864.84	1.0676	A	0.7

$$y = 1.0656\text{E-}005 * x + 1.0149\text{E-}005$$

$$R = 1.0000$$

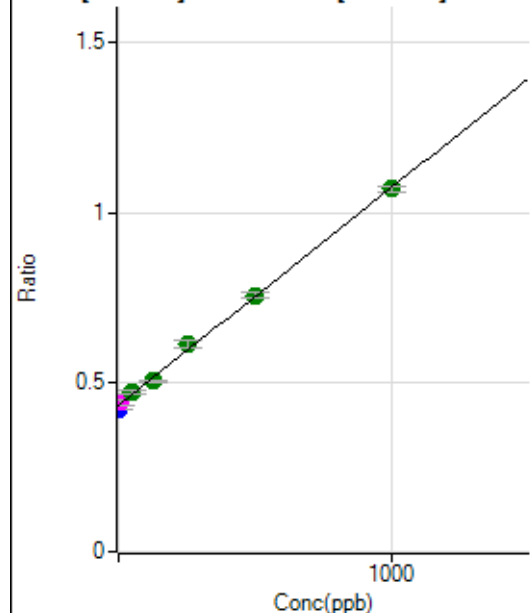
$$DL = 2.567$$

$$BEC = 0.9524$$

Weight: <None>

Min Conc: 0

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



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	-18.577	878381.74	0.4203	P	0.8
2	☐	1.000					
3	☐	10.000	11.297	890495.06	0.4395	M	4.0
4	☐	50.000	56.805	947778.07	0.4687	A	2.0
5	☐	125.000	110.645	1029523.22	0.5033	A	0.8
6	☐	250.000	279.190	1215118.14	0.6115	A	4.0
7	☐	500.000	502.993	1507967.66	0.7551	A	2.3
8	☐	1000.000	992.647	2103497.36	1.0695	A	1.8
9	☐			867466.54	0.4268	P	0.6

$$y = 6.419876E-004 * x + 0.432227$$

$$R = 0.9991$$

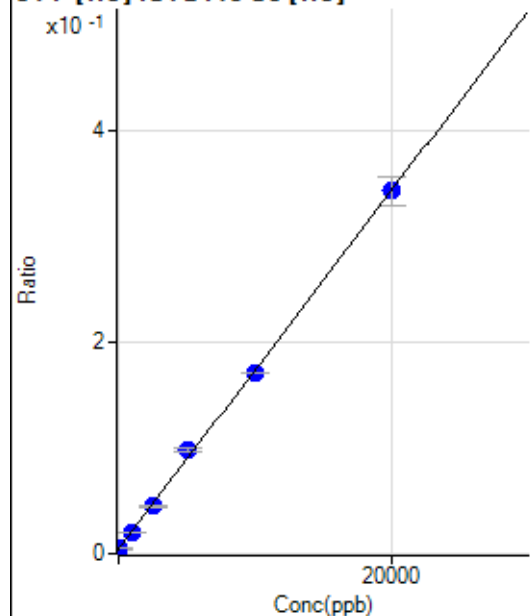
$$DL = 16.22$$

$$BEC = 673.3$$

Weight: <None>

Min Conc: 0

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



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	-41.808	258.34	0.0036	P	16.7
2	☐	0.000					
3	☐	0.000	41.808	372.24	0.0050	P	3.0
4	☐	1000.000	885.487	1419.55	0.0193	P	1.9
5	☐	2500.000	2387.688	3269.91	0.0448	P	1.8
6	☐	5000.000	5537.057	7249.27	0.0982	P	3.5
7	☐	10000.000	9817.425	12441.84	0.1707	P	0.7
8	☐	20000.000	19976.788	24605.12	0.3429	P	8.1
9	☐			294.46	0.0039	P	4.1

$$y = 1.6948E-005 * x + 0.0043$$

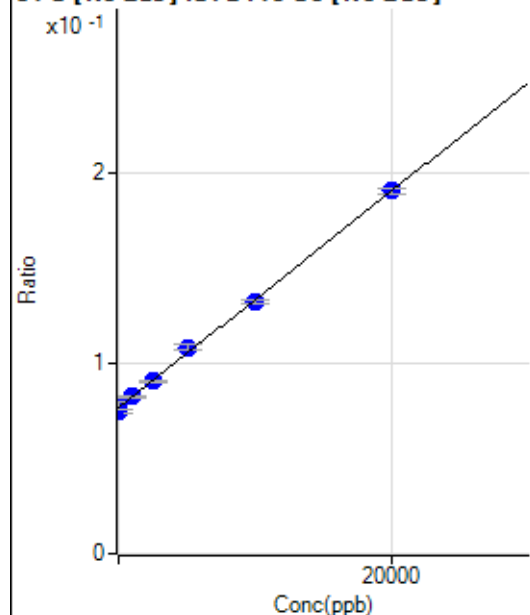
$$R = 0.9995$$

$$DL = 67.01$$

$$BEC = 255.7$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	-362.932	156611.17	0.0749	P	1.5
2	☐	0.000					
3	☐	0.000	160.739	157877.55	0.0779	P	4.6
4	☐	1000.000	1024.130	167514.74	0.0828	P	1.6
5	☐	2500.000	2400.805	185524.27	0.0907	P	0.7
6	☐	5000.000	5515.553	215551.54	0.1084	P	2.8
7	☐	10000.000	9758.800	264818.77	0.1326	P	1.3
8	☐	20000.000	20002.904	375658.62	0.1910	P	1.9
9	☐			149192.91	0.0734	P	0.7

$$y = 5.698995E-006 * x + 0.077006$$

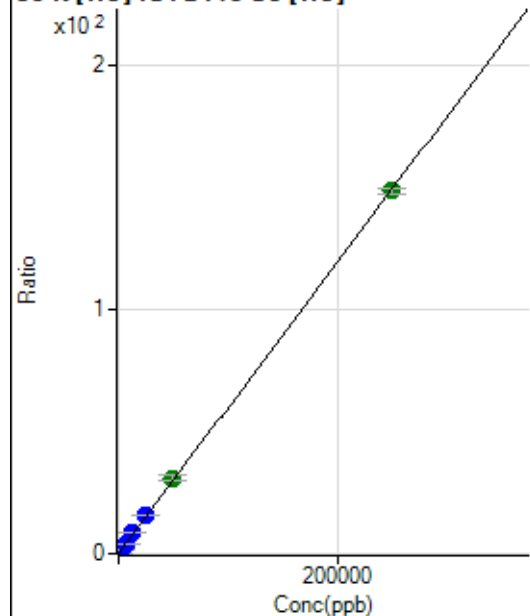
$$R = 0.9992$$

$$DL = 1242$$

$$BEC = 1.351E+04$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	7771.80	0.1088	P	1.0
2	☐	50.000					
3	☐	500.000	468.233	28585.03	0.3872	P	2.1
4	☐	2500.000	2691.050	125454.43	1.7091	P	0.7
5	☐	6250.000	6632.784	295926.16	4.0533	P	0.7
6	☐	12500.000	14273.999	634987.75	8.5975	P	0.4
7	☐	25000.000	26437.560	1153871.60	15.8311	P	1.4
8	☐	50000.000	51861.401	2220179.63	30.9507	A	9.0
9	☐	250000.00	249383.84	11297471.35	148.4168	A	1.4

$$y = 5.9470E-004 * x + 0.1088$$

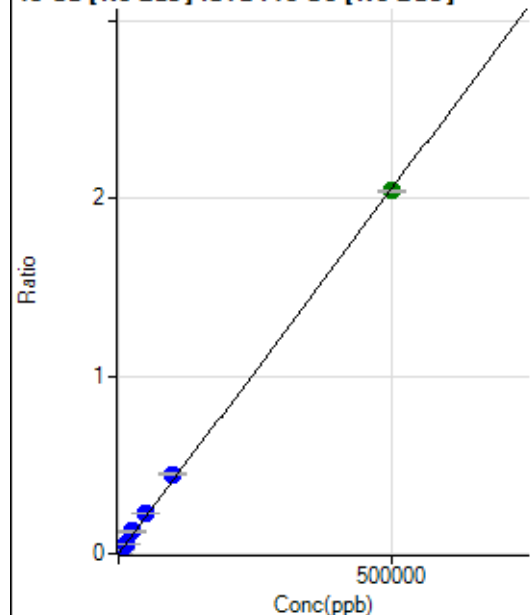
$$R = 0.9999$$

$$DL = 5.558$$

$$BEC = 182.9$$

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	402.80	0.0002	P	9.3
2	☐	50.000					
3	☐	500.000	496.387	4523.08	0.0022	P	3.2
4	☐	5000.000	5598.432	46820.25	0.0232	P	0.6
5	☐	12500.000	13632.820	114774.82	0.0561	P	0.6
6	☐	25000.000	30283.698	247200.55	0.1244	P	3.9
7	☐	50000.000	54627.705	447752.82	0.2242	P	1.1
8	☐	100000.00	109051.64	880037.42	0.4474	P	1.6
9	☐	500000.00	497428.41	4146626.05	2.0402	A	0.6

$$y = 4.1012\text{E-}006 * x + 1.9270\text{E-}004$$

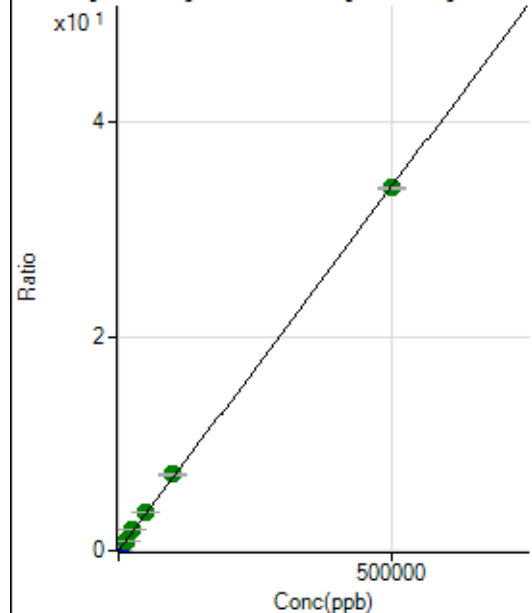
$$R = 0.9998$$

$$DL = 13.14$$

$$BEC = 46.99$$

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	6571.15	0.0031	P	4.0
2	☐	50.000					
3	☐	500.000	489.153	73685.08	0.0364	P	3.2
4	☐	5000.000	5570.583	771187.36	0.3814	P	1.9
5	☐	12500.000	13493.772	1880851.67	0.9194	A	0.3
6	☐	25000.000	29425.513	3978516.02	2.0012	A	2.1
7	☐	50000.000	52365.842	7106206.06	3.5589	A	1.6
8	☐	100000.00	105266.51	14063963.85	7.1509	A	2.2
9	☐	500000.00	498458.29	68793707.79	33.8491	A	0.8

$$y = 6.7901\text{E-}005 * x + 0.0031$$

$$R = 0.9999$$

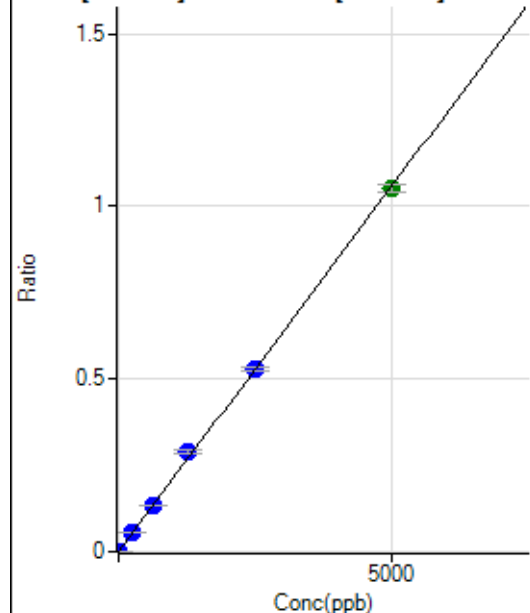
$$DL = 5.567$$

$$BEC = 46.3$$

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	413.91	0.0002	P	4.4
2	☐	1.000					
3	☐	10.000	4.715	2416.95	0.0012	P	13.8
4	☐	250.000	254.769	109326.73	0.0541	P	1.3
5	☐	625.000	625.110	270789.16	0.1324	P	1.3
6	☐	1250.000	1376.547	578835.12	0.2913	P	3.6
7	☐	2500.000	2503.499	1057355.55	0.5295	P	1.4
8	☐	5000.000	4966.372	2065613.55	1.0503	A	2.2
9	☐			830.60	0.0004	P	6.2

$$y = 2.1144\text{E-}004 * x + 1.9804\text{E-}004$$

$$R = 0.9996$$

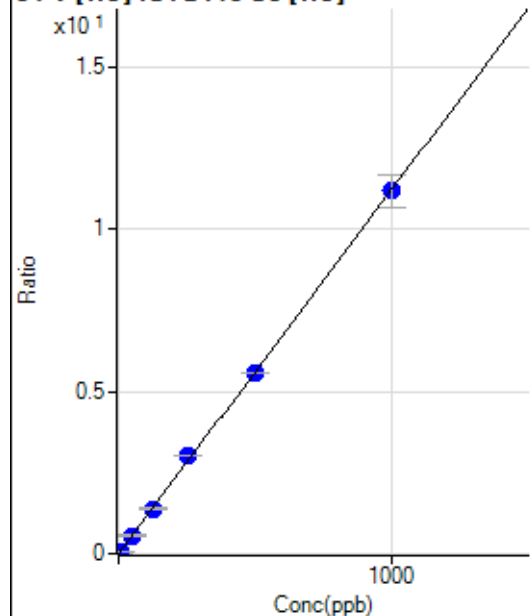
$$DL = 0.1239$$

$$BEC = 0.9366$$

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	11.11	0.0002	P	37.5
2	☐	0.500					
3	☐	5.000	4.402	3660.51	0.0496	P	4.2
4	☐	50.000	50.200	41367.54	0.5636	P	0.3
5	☐	125.000	123.928	101555.51	1.3911	P	0.6
6	☐	250.000	268.319	222396.78	3.0117	P	0.7
7	☐	500.000	496.539	406161.48	5.5732	P	0.3
8	☐	1000.000	997.278	802843.42	11.1934	P	9.1
9	☐			98.89	0.0013	P	4.8

$$y = 0.0112 * x + 1.5706\text{E-}004$$

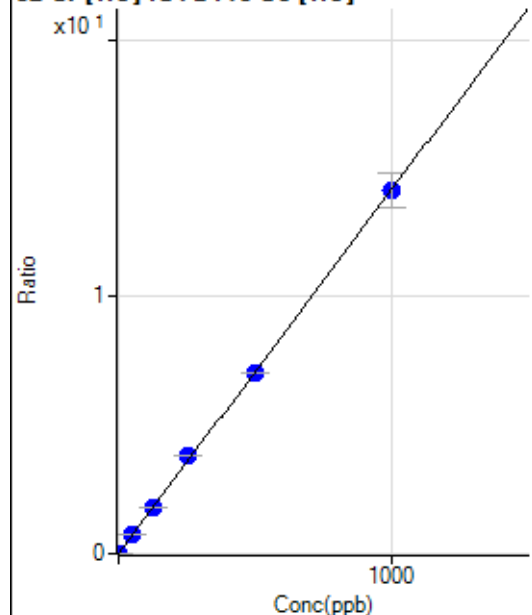
$$R = 0.9998$$

$$DL = 0.01573$$

$$BEC = 0.01399$$

Weight: <None>

Min Conc: 0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	391.12	0.0055	P	14.9
2	☐	0.200					
3	☐	2.000	1.679	2162.41	0.0293	P	2.3
4	☐	50.000	51.023	53452.51	0.7283	P	1.2
5	☐	125.000	124.787	129462.91	1.7732	P	0.2
6	☐	250.000	268.642	281448.75	3.8110	P	0.4
7	☐	500.000	496.791	513291.41	7.0429	P	0.1
8	☐	1000.000	996.920	1013175.65	14.1276	P	9.4
9	☐			7692.18	0.1011	P	2.7

$$y = 0.0142 * x + 0.0055$$

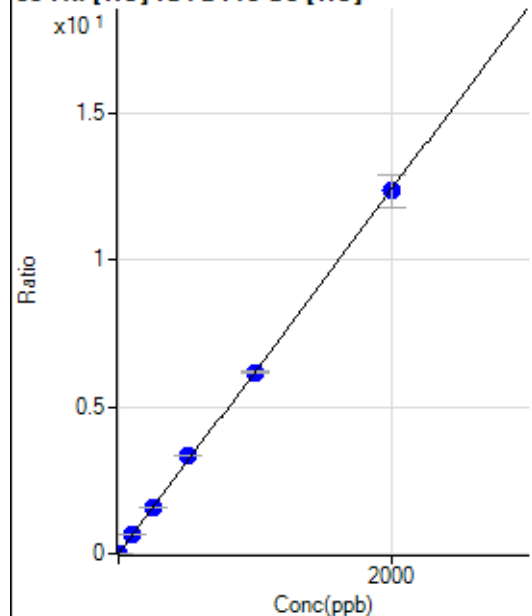
$$R = 0.9998$$

$$DL = 0.1736$$

$$BEC = 0.388$$

Weight: <None>

Min Conc: 0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	77.78	0.0011	P	30.5
2	☐	0.100					
3	☐	1.000	0.971	525.57	0.0071	P	4.8
4	☐	100.000	100.918	46083.54	0.6278	P	0.8
5	☐	250.000	251.355	114038.16	1.5621	P	0.5
6	☐	500.000	540.516	247990.43	3.3578	P	0.9
7	☐	1000.000	995.503	450653.35	6.1834	P	0.5
8	☐	2000.000	1991.904	887312.23	12.3714	P	9.2
9	☐			3461.58	0.0455	P	3.0

$$y = 0.0062 * x + 0.0011$$

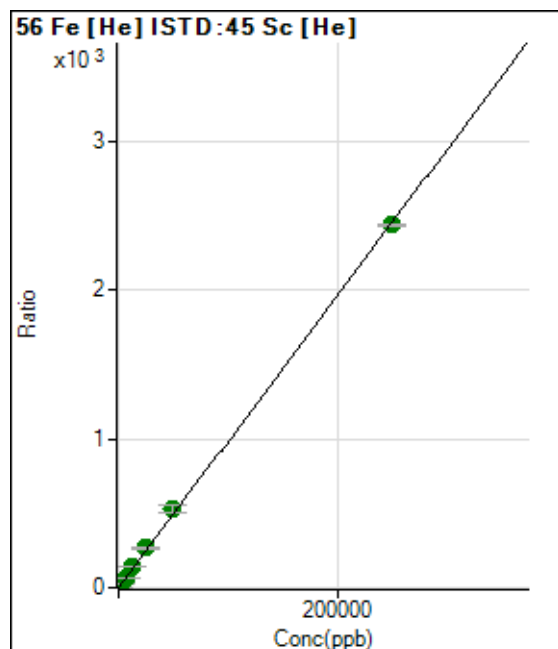
$$R = 0.9998$$

$$DL = 0.1589$$

$$BEC = 0.1738$$

Weight: <None>

Min Conc: 0



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	813.00	0.0114	P	12.1
2	☐	5.000					
3	☐	50.000	50.043	37012.14	0.5013	P	1.8
4	☐	2500.000	2804.653	2016111.14	27.4679	A	1.0
5	☐	6250.000	6794.259	4856324.53	66.5248	A	0.8
6	☐	12500.000	14633.605	10578268.41	143.2692	A	1.2
7	☐	25000.000	27061.927	19308606.91	264.9381	A	0.3
8	☐	50000.000	53929.192	37873931.87	527.9591	A	8.7
9	☐	250000.00	248884.63	185416206.0	2,436.504	A	0.8

$$y = 0.0098 * x + 0.0114$$

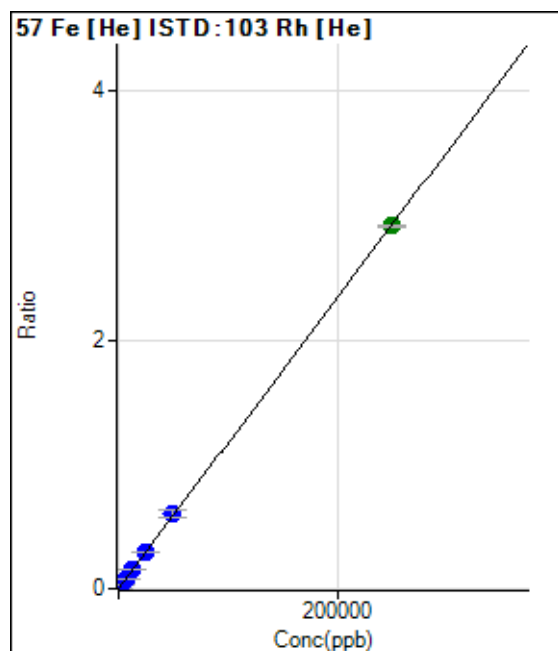
$$R = 0.9998$$

$$DL = 0.422$$

$$BEC = 1.162$$

Weight: <None>

Min Conc: 0



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	37.04	0.0000	P	40.8
2	☐	5.000					
3	☐	50.000	43.951	903.75	0.0005	P	5.9
4	☐	2500.000	2516.461	49368.61	0.0294	P	0.6
5	☐	6250.000	6186.062	121445.80	0.0723	P	1.4
6	☐	12500.000	13611.408	266085.65	0.1589	P	1.3
7	☐	25000.000	25208.866	483587.46	0.2944	P	1.1
8	☐	50000.000	51442.947	949304.38	0.6007	P	10.2
9	☐	250000.00	249636.38	4610479.24	2.9147	A	0.3

$$y = 1.1676E-005 * x + 2.2330E-005$$

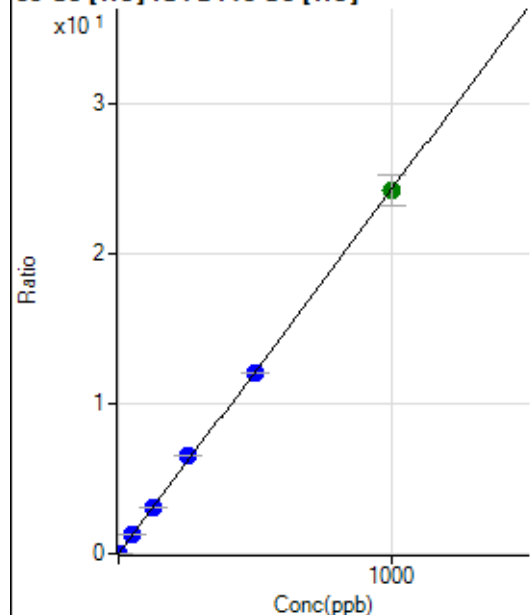
$$R = 1.0000$$

$$DL = 2.34$$

$$BEC = 1.912$$

Weight: <None>

Min Conc: 0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	74.44	0.0010	P	21.0
2	☐	0.100					
3	☐	1.000	0.843	1590.11	0.0215	P	0.7
4	☐	50.000	50.366	89973.41	1.2259	P	0.6
5	☐	125.000	125.277	222499.04	3.0477	P	0.7
6	☐	250.000	269.269	483626.59	6.5495	P	0.8
7	☐	500.000	497.777	882335.84	12.1067	P	0.3
8	☐	1000.000	996.241	1738312.32	24.2291	A	8.6
9	☐			20456.22	0.2688	P	0.9

$$y = 0.0243 * x + 0.0010$$

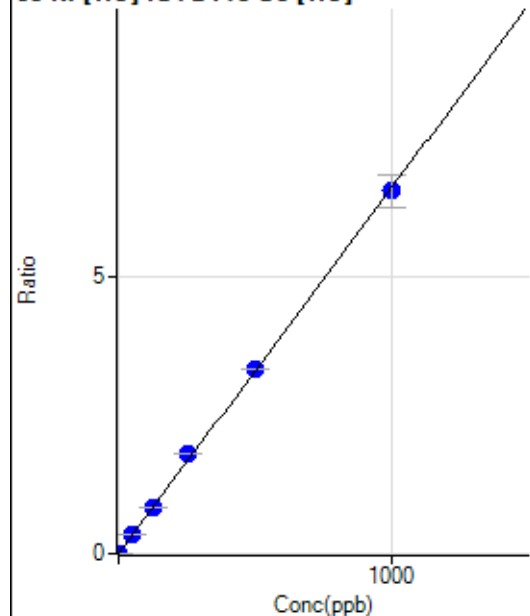
$$R = 0.9998$$

$$DL = 0.02698$$

$$BEC = 0.04287$$

Weight: <None>

Min Conc: 0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	31.11	0.0004	P	25.3
2	☐	0.100					
3	☐	1.000	0.851	447.79	0.0061	P	2.4
4	☐	50.000	51.832	25166.15	0.3429	P	0.5
5	☐	125.000	126.902	61246.08	0.8389	P	0.7
6	☐	250.000	272.902	133185.96	1.8036	P	1.2
7	☐	500.000	503.510	242492.30	3.3272	P	0.3
8	☐	1000.000	992.190	470215.25	6.5560	P	9.2
9	☐			5986.90	0.0786	P	1.5

$$y = 0.0066 * x + 4.3616E-004$$

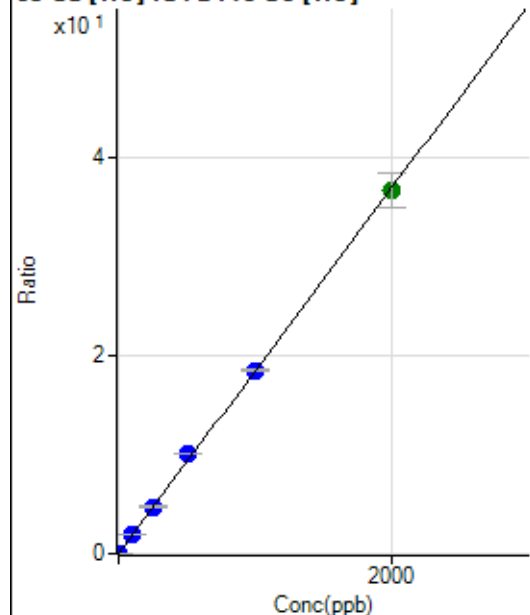
$$R = 0.9997$$

$$DL = 0.0502$$

$$BEC = 0.06601$$

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	554.46	0.0078	P	3.4
2	☐	0.200					
3	☐	2.000	1.727	2920.33	0.0396	P	1.8
4	☐	100.000	102.940	139669.75	1.9028	P	1.6
5	☐	250.000	256.548	345353.90	4.7307	P	0.8
6	☐	500.000	548.033	745521.45	10.0968	P	0.9
7	☐	1000.000	1003.312	1346638.28	18.4783	P	0.3
8	☐	2000.000	1985.371	2621773.95	36.5576	A	9.6
9	☐			4042.85	0.0532	P	6.8

$$y = 0.0184 * x + 0.0078$$

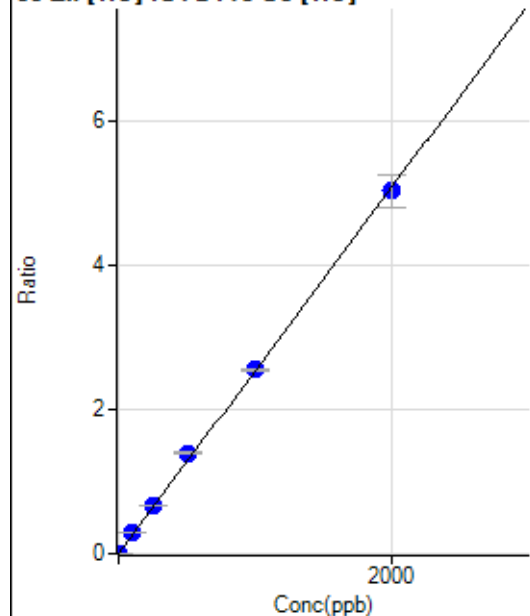
$$R = 0.9997$$

$$DL = 0.04258$$

$$BEC = 0.4217$$

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	40.00	0.0006	P	10.4
2	☐	0.200					
3	☐	2.000	1.969	408.90	0.0055	P	10.8
4	☐	100.000	110.985	20682.14	0.2818	P	0.7
5	☐	250.000	258.926	47942.47	0.6566	P	0.3
6	☐	500.000	549.361	102822.71	1.3925	P	1.0
7	☐	1000.000	1007.284	186070.83	2.5528	P	0.9
8	☐	2000.000	1982.353	360280.46	5.0234	P	9.2
9	☐			3302.65	0.0434	P	1.9

$$y = 0.0025 * x + 5.5840E-004$$

$$R = 0.9997$$

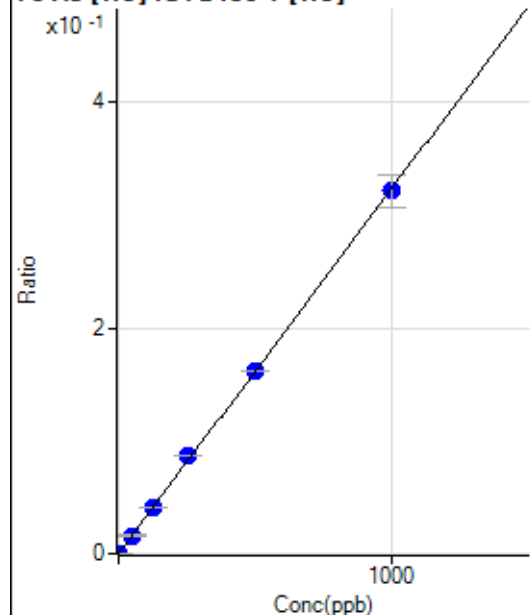
$$DL = 0.06876$$

$$BEC = 0.2204$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	2.67	0.0000	P	143.
2	☐	0.100					
3	☐	1.000	0.864	127.01	0.0003	P	8.7
4	☐	50.000	49.961	7160.91	0.0162	P	0.8
5	☐	125.000	125.265	17843.27	0.0405	P	0.1
6	☐	250.000	269.808	38760.17	0.0873	P	0.4
7	☐	500.000	501.032	70994.28	0.1621	P	0.5
8	☐	1000.000	994.501	139204.41	0.3217	P	9.1
9	☐			195.35	0.0004	P	5.4

$$y = 3.2348\text{E-}004 * x + 6.3940\text{E-}006$$

$$R = 0.9998$$

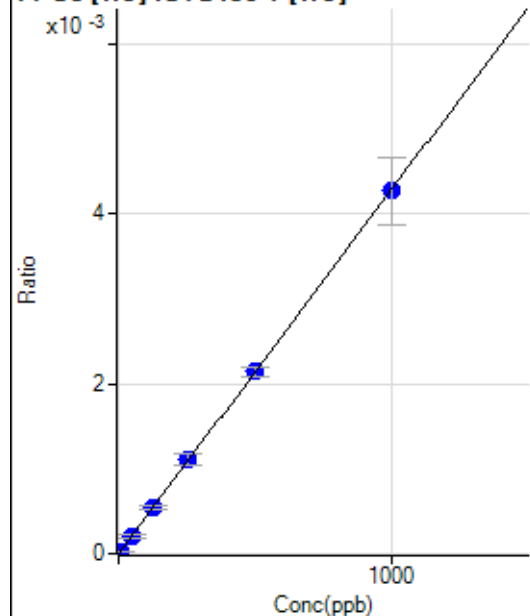
$$DL = 0.08491$$

$$BEC = 0.01977$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	0.00	0.0000	P	
2	☐	0.500					
3	☐	5.000	4.638	8.89	0.0000	P	19.1
4	☐	50.000	48.965	93.33	0.0002	P	17.1
5	☐	125.000	127.730	241.12	0.0005	P	9.2
6	☐	250.000	260.784	496.68	0.0011	P	12.4
7	☐	500.000	500.919	941.15	0.0021	P	5.0
8	☐	1000.000	996.557	1843.48	0.0043	P	18.5
9	☐			0.00	0.0000	P	

$$y = 4.2893\text{E-}006 * x + 0.0000\text{E+}000$$

$$R = 0.9999$$

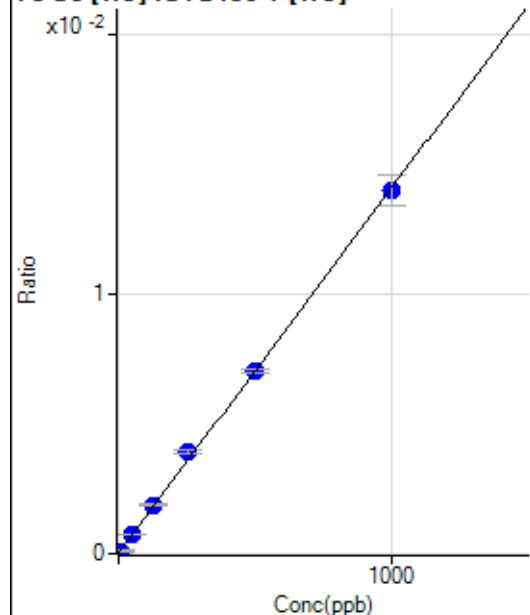
$$DL = 0$$

$$BEC = 0$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	7.67	0.0000	P	34.3
2	☐	0.500					
3	☐	5.000	5.901	45.00	0.0001	P	26.2
4	☐	50.000	51.451	328.04	0.0007	P	6.2
5	☐	125.000	131.264	821.11	0.0019	P	4.0
6	☐	250.000	276.668	1736.62	0.0039	P	4.5
7	☐	500.000	500.460	3090.00	0.0071	P	1.8
8	☐	1000.000	992.243	6046.61	0.0140	P	8.4
9	☐			14.00	0.0000	P	14.3

$$y = 1.4061\text{E-}005 * x + 1.7783\text{E-}005$$

$$R = 0.9996$$

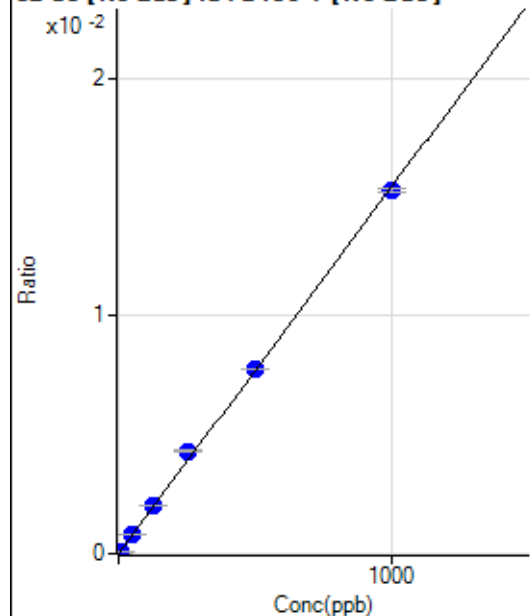
$$DL = 1.302$$

$$BEC = 1.265$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	-28.36	0.0000	P	-35.
2	☐	0.500					
3	☐	5.000	4.982	257.62	0.0001	P	6.6
4	☐	50.000	52.046	2922.62	0.0008	P	2.5
5	☐	125.000	129.732	7414.63	0.0020	P	1.6
6	☐	250.000	279.812	15708.75	0.0043	P	2.9
7	☐	500.000	504.081	28470.24	0.0078	P	0.4
8	☐	1000.000	989.813	55872.67	0.0153	P	1.1
9	☐			48.15	0.0000	P	34.9

$$y = 1.5420\text{E-}005 * x - 7.2516\text{E-}006$$

$$R = 0.9995$$

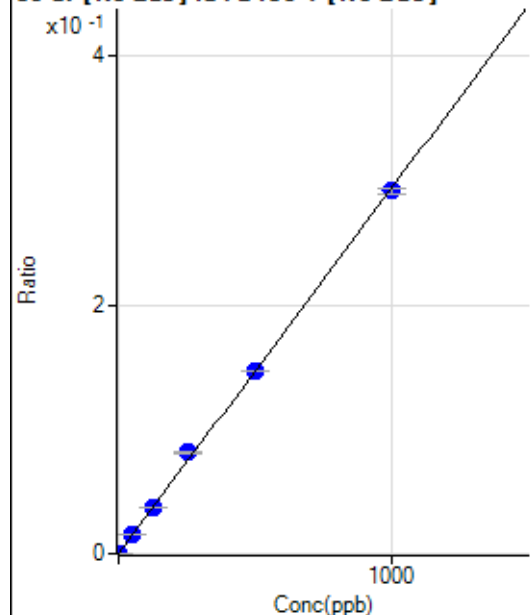
$$DL = 0.5055$$

$$BEC = -0.4703$$

Weight: <None>

Min Conc: 0

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



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	347.23	0.0001	P	18.7
2	☐	0.100					
3	☐	1.000	0.865	1269.54	0.0003	P	13.7
4	☐	50.000	51.958	56397.07	0.0153	P	0.6
5	☐	125.000	126.212	138209.65	0.0372	P	1.7
6	☐	250.000	276.746	296712.38	0.0814	P	3.0
7	☐	500.000	499.934	538569.74	0.1469	P	0.6
8	☐	1000.000	993.098	1068433.31	0.2917	P	1.3
9	☐			4781.54	0.0013	P	6.2

$$y = 2.9368\text{E-}004 * x + 8.8725\text{E-}005$$

$$R = 0.9996$$

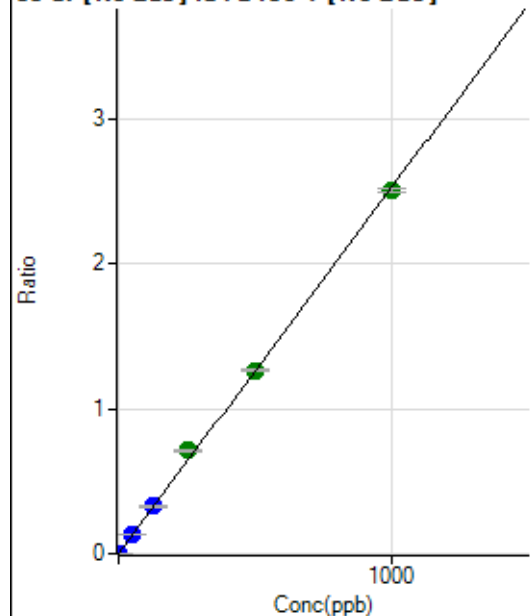
$$DL = 0.1691$$

$$BEC = 0.3021$$

Weight: <None>

Min Conc: 0

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



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	44.44	0.0000	P	59.9
2	☐	0.100					
3	☐	1.000	0.923	8658.50	0.0023	P	3.8
4	☐	50.000	52.338	484771.77	0.1319	P	1.4
5	☐	125.000	129.183	1211315.27	0.3256	P	1.0
6	☐	250.000	281.359	2586736.36	0.7092	A	1.8
7	☐	500.000	500.240	4622495.46	1.2609	A	0.8
8	☐	1000.000	991.401	9151936.75	2.4989	A	1.0
9	☐			38056.40	0.0102	P	1.1

$$y = 0.0025 * x + 1.1329\text{E-}005$$

$$R = 0.9994$$

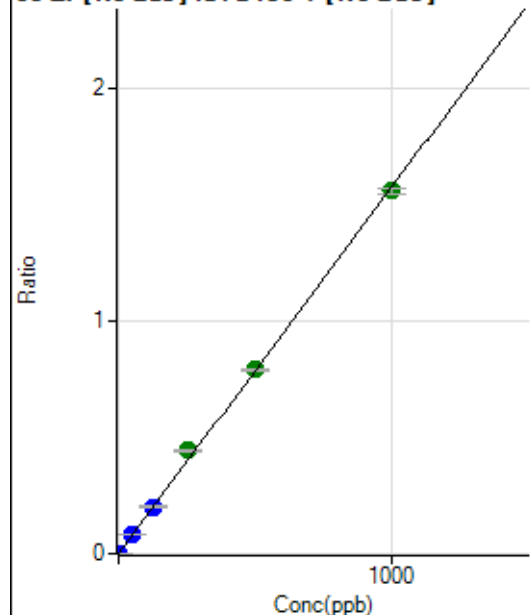
$$DL = 0.008082$$

$$BEC = 0.004495$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	300.01	0.0001	P	15.3
2	☐	0.100					
3	☐	1.000	0.879	5398.42	0.0015	P	2.6
4	☐	50.000	51.881	299842.48	0.0816	P	1.5
5	☐	125.000	128.222	749844.14	0.2016	P	0.9
6	☐	250.000	281.320	1612794.77	0.4422	A	1.4
7	☐	500.000	502.357	2894458.96	0.7895	A	0.5
8	☐	1000.000	990.495	5700567.66	1.5566	A	1.7
9	☐			1730.71	0.0005	P	7.6

$$y = 0.0016 * x + 7.6660E-005$$

$$R = 0.9994$$

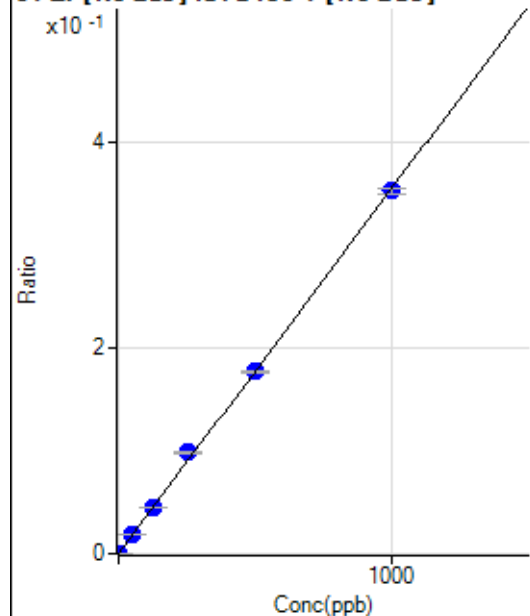
$$DL = 0.02233$$

$$BEC = 0.04878$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	86.11	0.0000	P	14.2
2	☐	0.100					
3	☐	1.000	0.773	1094.52	0.0003	P	3.2
4	☐	50.000	50.542	65814.72	0.0179	P	1.7
5	☐	125.000	124.941	164549.84	0.0442	P	1.5
6	☐	250.000	277.150	357803.93	0.0981	P	1.6
7	☐	500.000	497.956	646078.79	0.1762	P	0.9
8	☐	1000.000	994.215	1288573.35	0.3518	P	1.3
9	☐			458.35	0.0001	P	25.5

$$y = 3.5387E-004 * x + 2.1974E-005$$

$$R = 0.9996$$

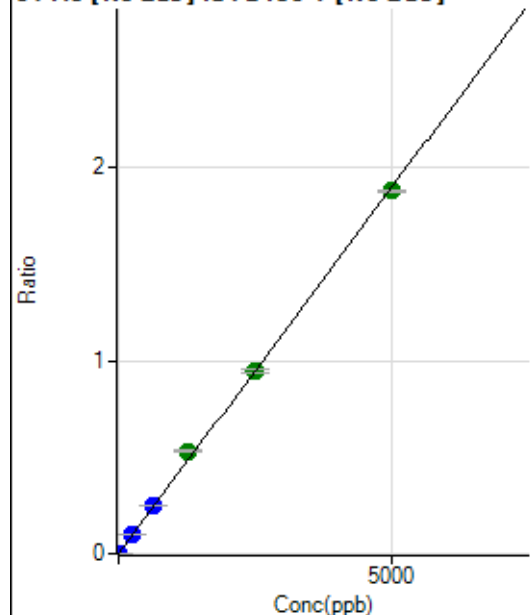
$$DL = 0.02636$$

$$BEC = 0.06209$$

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	161.11	0.0000	P	6.3
2	☐	1.000					
3	☐	10.000	4.557	6551.74	0.0018	P	7.1
4	☐	250.000	262.691	366399.45	0.0997	P	1.1
5	☐	625.000	647.055	913432.17	0.2455	P	0.9
6	☐	1250.000	1398.978	1936264.98	0.5308	A	1.5
7	☐	2500.000	2504.135	3483180.63	0.9502	A	1.7
8	☐	5000.000	4957.308	6888922.55	1.8809	A	0.7
9	☐			3047.66	0.0008	P	5.0

$$y = 3.7942\text{E-}004 * x + 4.1143\text{E-}005$$

$$R = 0.9995$$

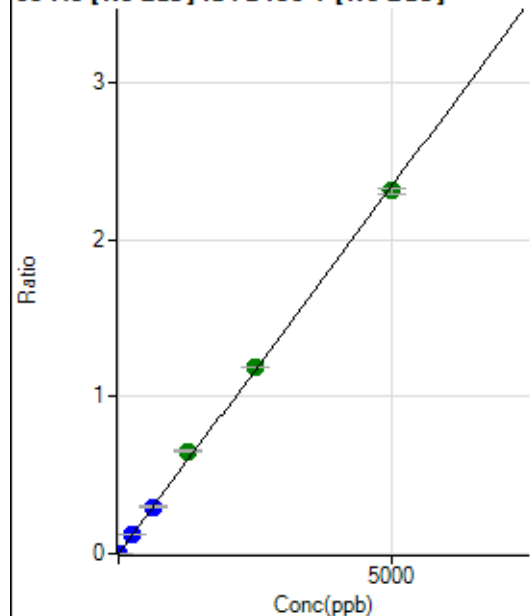
$$DL = 0.02053$$

$$BEC = 0.1084$$

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	68.9
2	☐	1.000					
3	☐	10.000	4.699	8172.13	0.0022	P	6.1
4	☐	250.000	261.217	449493.99	0.1223	P	1.3
5	☐	625.000	641.223	1117055.59	0.3003	P	0.6
6	☐	1250.000	1395.060	2382835.25	0.6533	A	1.5
7	☐	2500.000	2539.871	4360451.35	1.1894	A	0.5
8	☐	5000.000	4941.221	8473758.96	2.3139	A	1.9
9	☐			3697.83	0.0010	P	1.8

$$y = 4.6828\text{E-}004 * x + 7.0832\text{E-}006$$

$$R = 0.9995$$

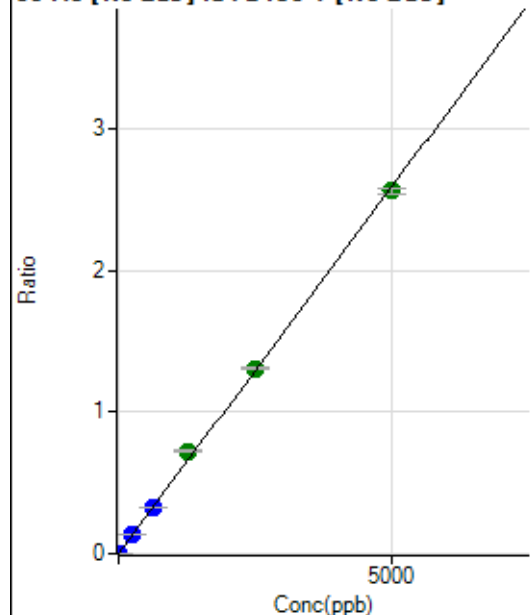
$$DL = 0.03128$$

$$BEC = 0.01513$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	50.00	0.0000	P	33.1
2	☐	1.000					
3	☐	10.000	4.676	9022.65	0.0024	P	4.5
4	☐	250.000	259.305	494045.93	0.1345	P	1.6
5	☐	625.000	639.668	1233841.63	0.3317	P	0.6
6	☐	1250.000	1396.900	2641750.38	0.7243	A	1.8
7	☐	2500.000	2522.338	4794451.11	1.3078	A	1.2
8	☐	5000.000	4949.818	9399367.05	2.5665	A	1.3
9	☐			5190.00	0.0014	P	2.3

$$y = 5.1849\text{E-}004 * x + 1.2764\text{E-}005$$

$$R = 0.9995$$

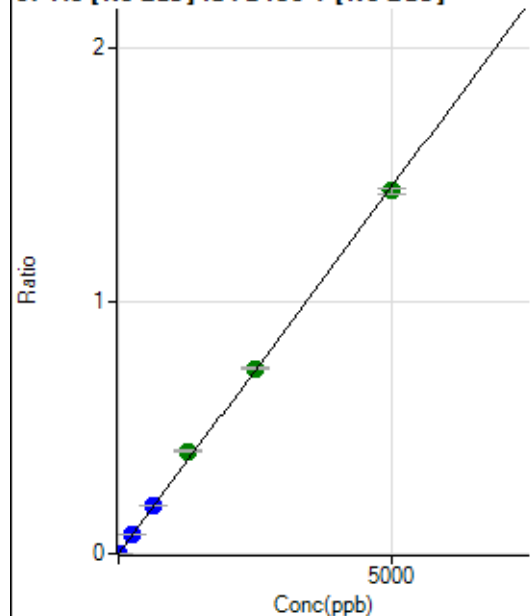
$$DL = 0.02446$$

$$BEC = 0.02462$$

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	50.00	0.0000	P	16.1
2	☐	1.000					
3	☐	10.000	4.961	5381.77	0.0015	P	6.4
4	☐	250.000	263.076	280820.56	0.0764	P	1.6
5	☐	625.000	644.509	696478.99	0.1872	P	0.5
6	☐	1250.000	1400.347	1483572.72	0.4068	A	2.1
7	☐	2500.000	2528.834	2693053.20	0.7346	A	0.5
8	☐	5000.000	4944.914	5260314.66	1.4364	A	1.6
9	☐			2494.75	0.0007	P	4.5

$$y = 2.9047\text{E-}004 * x + 1.2758\text{E-}005$$

$$R = 0.9994$$

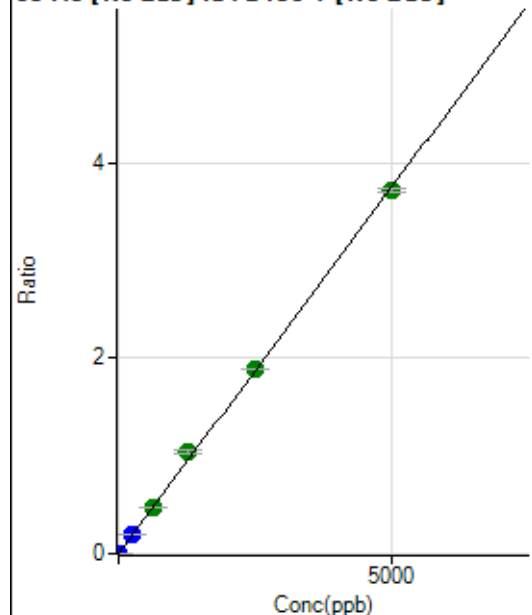
$$DL = 0.02121$$

$$BEC = 0.04392$$

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	61.11	0.0000	P	16.2
2	☐	1.000					
3	☐	10.000	4.564	12742.41	0.0034	P	2.0
4	☐	250.000	260.273	717673.20	0.1953	P	1.7
5	☐	625.000	639.664	1785661.76	0.4800	A	0.9
6	☐	1250.000	1395.935	3819784.94	1.0475	A	3.4
7	☐	2500.000	2516.786	6923678.45	1.8886	A	0.8
8	☐	5000.000	4952.788	13611461.07	3.7166	A	1.1
9	☐			6087.65	0.0016	P	3.7

$$y = 7.5040\text{E-}004 * x + 1.5612\text{E-}005$$

$$R = 0.9995$$

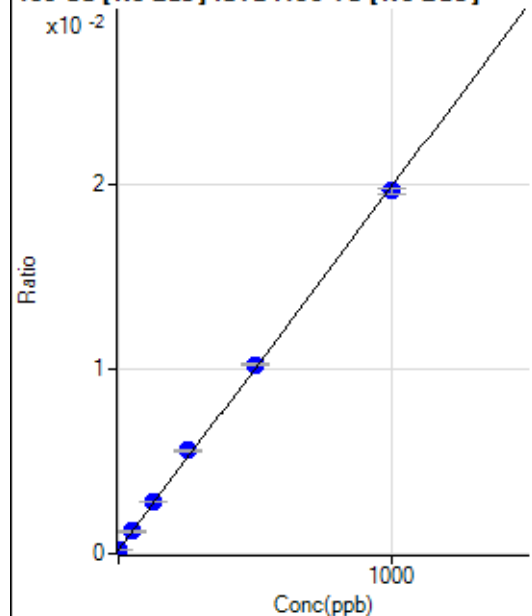
$$DL = 0.0101$$

$$BEC = 0.0208$$

Weight: <None>

Min Conc: 0

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



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	1055.63	0.0002	P	4.6
2	☐	0.100					
3	☐	1.000	0.532	1063.97	0.0002	P	4.4
4	☐	50.000	51.181	5912.56	0.0012	P	5.7
5	☐	125.000	130.711	13640.50	0.0028	P	1.0
6	☐	250.000	272.976	27194.66	0.0056	P	2.4
7	☐	500.000	510.711	49839.60	0.0103	P	1.4
8	☐	1000.000	988.128	95371.46	0.0197	P	1.7
9	☐			972.29	0.0002	P	11.1

$$y = 1.9715\text{E-}005 * x + 2.0940\text{E-}004$$

$$R = 0.9996$$

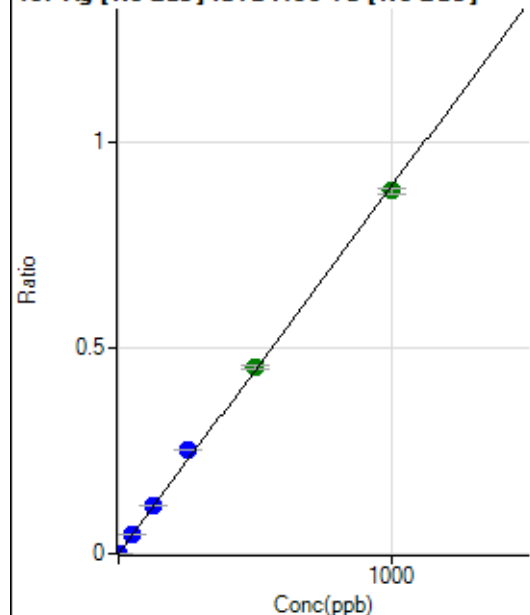
$$DL = 1.452$$

$$BEC = 10.62$$

Weight: <None>

Min Conc: 0

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



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	102.78	0.0000	P	5.4
2	☐	0.100					
3	☐	1.000	1.019	4509.21	0.0009	P	5.8
4	☐	50.000	53.715	233075.77	0.0480	P	1.0
5	☐	125.000	131.335	574626.72	0.1174	P	0.7
6	☐	250.000	281.866	1225108.73	0.2519	P	0.6
7	☐	500.000	506.587	2195234.84	0.4527	A	1.6
8	☐	1000.000	987.762	4275195.19	0.8827	A	1.5
9	☐			2361.38	0.0005	P	10.8

$$y = 8.9359\text{E-}004 * x + 2.0388\text{E-}005$$

$$R = 0.9994$$

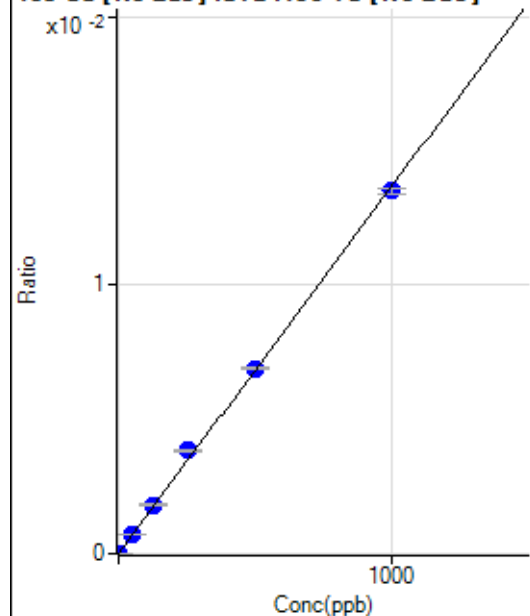
$$DL = 0.003673$$

$$BEC = 0.02282$$

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	2.78	0.0000	P	173.
2	☐	0.100					
3	☐	1.000	0.817	56.95	0.0000	P	32.8
4	☐	50.000	52.671	3500.50	0.0007	P	3.9
5	☐	125.000	133.119	8918.32	0.0018	P	2.0
6	☐	250.000	281.647	18740.89	0.0039	P	1.3
7	☐	500.000	505.289	33522.12	0.0069	P	1.4
8	☐	1000.000	988.296	65483.62	0.0135	P	1.4
9	☐			18.06	0.0000	P	34.7

$$y = 1.3680\text{E-}005 * x + 5.5562\text{E-}007$$

$$R = 0.9994$$

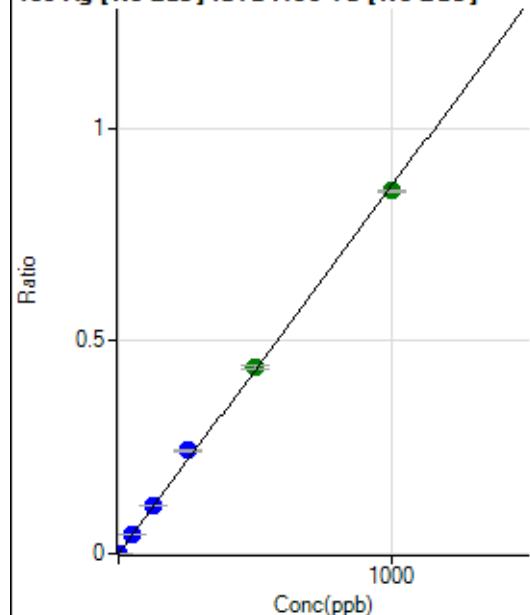
$$DL = 0.211$$

$$BEC = 0.04062$$

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	83.34	0.0000	P	21.0
2	☐	0.100					
3	☐	1.000	0.978	4164.65	0.0009	P	2.2
4	☐	50.000	53.359	223554.66	0.0461	P	0.7
5	☐	125.000	130.523	551425.97	0.1126	P	0.5
6	☐	250.000	281.021	1179370.26	0.2425	P	1.5
7	☐	500.000	508.371	2127075.89	0.4387	A	2.6
8	☐	1000.000	987.201	4125931.56	0.8518	A	0.4
9	☐			2283.59	0.0005	P	16.0

$$y = 8.6287\text{E-}004 * x + 1.6552\text{E-}005$$

$$R = 0.9994$$

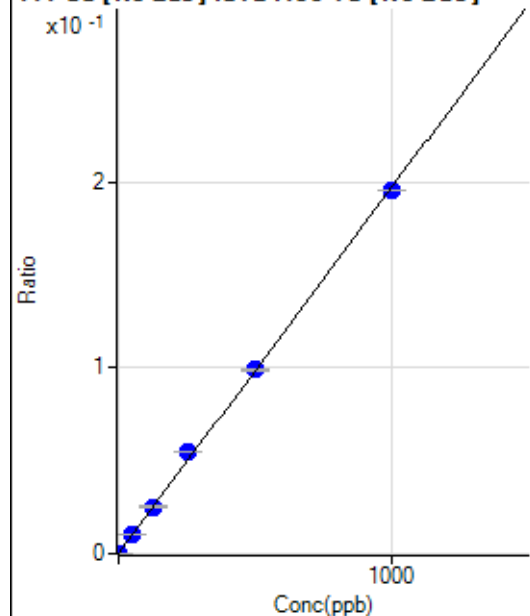
$$DL = 0.01206$$

$$BEC = 0.01918$$

Weight: <None>

Min Conc: 0

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



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	741.16	0.0001	P	4.0
2	☐	0.100					
3	☐	1.000	0.835	1507.73	0.0003	P	6.7
4	☐	50.000	52.052	50481.73	0.0104	P	0.9
5	☐	125.000	128.059	124214.26	0.0254	P	0.9
6	☐	250.000	277.550	266623.83	0.0548	P	1.3
7	☐	500.000	502.857	481073.87	0.0992	P	1.5
8	☐	1000.000	991.199	946469.18	0.1954	P	0.1
9	☐			777.68	0.0002	P	9.4

$$y = 1.9699\text{E-}004 * x + 1.4702\text{E-}004$$

$$R = 0.9996$$

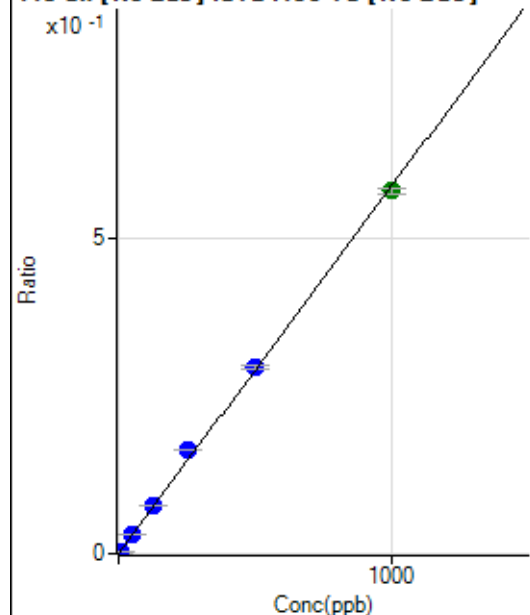
$$DL = 0.08857$$

$$BEC = 0.7463$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	219.45	0.0000	P	16.5
2	☐	0.500					
3	☐	5.000	4.635	13265.25	0.0027	P	2.8
4	☐	50.000	52.399	148181.83	0.0305	P	0.2
5	☐	125.000	128.614	366537.00	0.0749	P	0.7
6	☐	250.000	281.889	797866.77	0.1640	P	0.3
7	☐	500.000	507.987	1433355.28	0.2956	P	1.5
8	☐	1000.000	987.465	2782721.59	0.5745	A	1.6
9	☐			1766.84	0.0004	P	2.6

$$y = 5.8179\text{E-}004 * x + 4.3581\text{E-}005$$

$$R = 0.9994$$

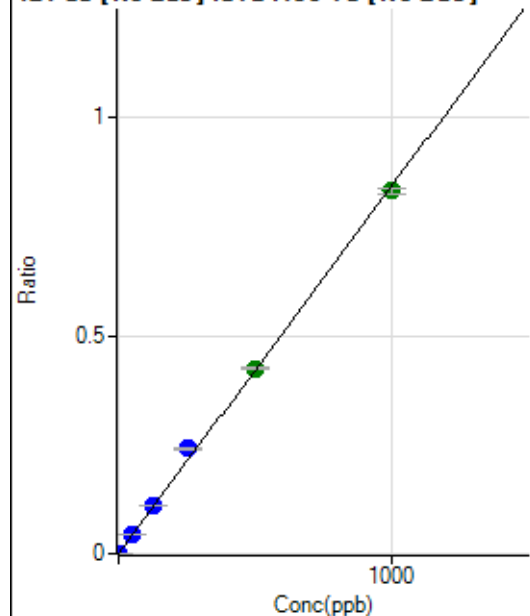
$$DL = 0.03713$$

$$BEC = 0.07491$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	19.44	0.0000	P	66.0
2	☐	0.200					
3	☐	2.000	1.782	7288.30	0.0015	P	2.5
4	☐	50.000	52.635	215304.53	0.0444	P	1.4
5	☐	125.000	130.358	537820.02	0.1099	P	0.5
6	☐	250.000	285.461	1170002.44	0.2406	P	1.1
7	☐	500.000	505.149	2064225.61	0.4257	A	2.0
8	☐	1000.000	987.759	4031632.16	0.8324	A	1.7
9	☐			4937.16	0.0010	P	8.4

$$y = 8.4271\text{E-}004 * x + 3.8581\text{E-}006$$

$$R = 0.9993$$

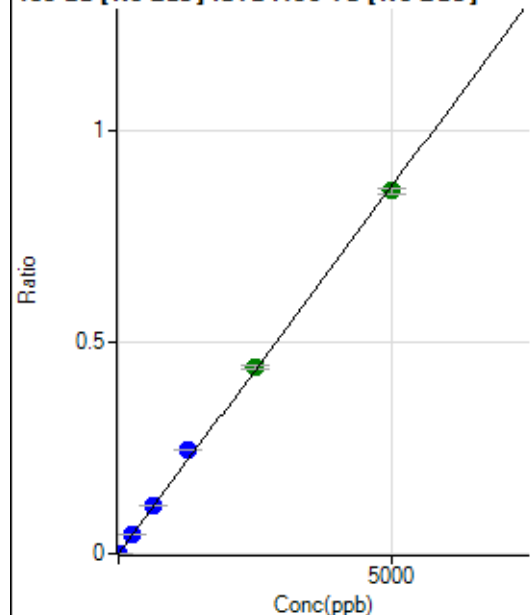
$$DL = 0.009064$$

$$BEC = 0.004578$$

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	11.11	0.0000	P	86.6
2	☐	1.000					
3	☐	10.000	9.173	7719.13	0.0016	P	5.4
4	☐	250.000	260.847	219952.57	0.0453	P	1.3
5	☐	625.000	646.917	550193.28	0.1124	P	0.4
6	☐	1250.000	1410.842	1192077.13	0.2451	P	0.6
7	☐	2500.000	2532.266	2133209.05	0.4399	A	1.8
8	☐	5000.000	4940.376	4156902.13	0.8583	A	1.4
9	☐			633.37	0.0001	P	4.5

$$y = 1.7372\text{E-}004 * x + 2.1943\text{E-}006$$

$$R = 0.9994$$

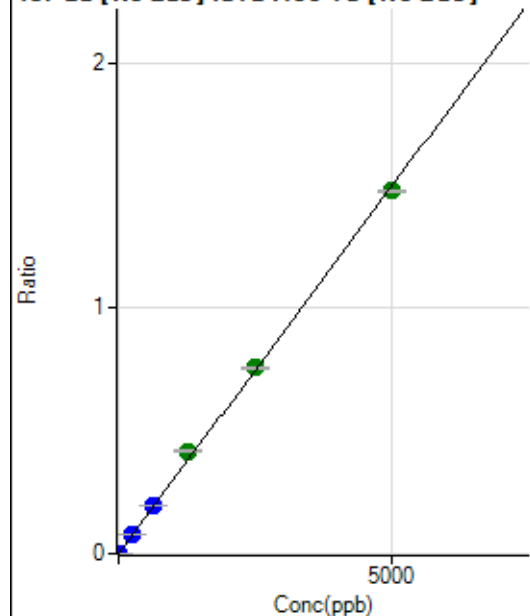
$$DL = 0.03282$$

$$BEC = 0.01263$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	16.66	0.0000	P	87.2
2	☐	1.000					
3	☐	10.000	9.384	13596.17	0.0028	P	3.0
4	☐	250.000	264.251	383583.71	0.0790	P	0.7
5	☐	625.000	653.272	956378.89	0.1954	P	0.3
6	☐	1250.000	1401.366	2038262.42	0.4191	A	0.4
7	☐	2500.000	2530.318	3669311.58	0.7567	A	1.4
8	☐	5000.000	4942.754	7159382.19	1.4781	A	0.4
9	☐			950.06	0.0002	P	7.3

$$y = 2.9904\text{E-}004 * x + 3.3151\text{E-}006$$

$$R = 0.9994$$

$$DL = 0.02899$$

$$BEC = 0.01109$$

Weight: <None>

Min Conc: 0

150 Nd [No Gas] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			0.00		P	
2	☐						
3	☐			2.22		P	173.
4	☐			11.11		P	34.6
5	☐			6.67		P	0.0
6	☐			57.78		P	29.0
7	☐			80.01		P	38.2
8	☐			155.56		P	47.0
9	☐			60.00		P	29.4

150 Nd [He] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			0.00		P	
2	☐						
3	☐			0.00		P	
4	☐			1.11		P	173.
5	☐			3.33		P	173.
6	☐			2.22		P	86.6
7	☐			12.22		P	41.7
8	☐			14.45		P	26.7
9	☐			16.67		P	52.9

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	☐			2.78		P	173.
5	☐			5.55		P	86.6
6	☐			16.67		P	50.0
7	☐			25.00		P	66.7
8	☐			52.78		P	32.9
9	☐			27.78		P	45.8

156 Dy [He] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			2.22		P	173.
2	☐						
3	☐			1.11		P	173.
4	☐			2.22		P	86.6
5	☐			7.78		P	65.5
6	☐			3.33		P	100.
7	☐			7.78		P	89.2
8	☐			5.56		P	91.6
9	☐			14.44		P	53.3

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			22.22		P	43.3
2	☐						
3	☐			27.78		P	62.5
4	☐			22.22		P	43.3
5	☐			22.22		P	21.6
6	☐			47.22		P	36.7
7	☐			38.89		P	44.6
8	☐			33.33		P	0.0
9	☐			38.89		P	61.9

160 Gd [He] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			12.22		P	68.7
2	☐						
3	☐			5.56		P	91.6
4	☐			13.33		P	50.0
5	☐			7.78		P	65.5
6	☐			6.67		P	50.0
7	☐			23.33		P	14.3
8	☐			17.78		P	60.3
9	☐			14.44		P	13.4

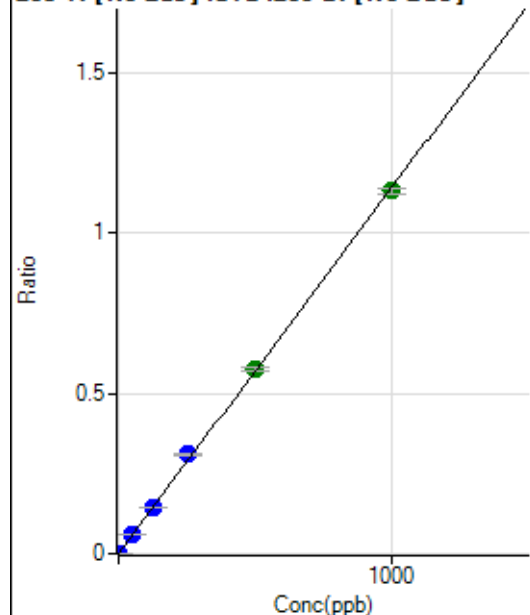
164 Er [No Gas] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			13.89		P	69.3
2	☐						
3	☐			19.44		P	89.2
4	☐			33.33		P	25.0
5	☐			13.89		P	69.3
6	☐			13.89		P	34.7
7	☐			36.11		P	26.7
8	☐			22.22		P	108.
9	☐			13.89		P	124.

164 Er [He] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			6.67		P	50.0
2	☐						
3	☐			3.33		P	100.
4	☐			8.89		P	43.3
5	☐			4.44		P	114.
6	☐			8.89		P	43.3
7	☐			7.78		P	49.5
8	☐			11.11		P	75.5
9	☐			8.89		P	57.3

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



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	58.34	0.0000	P	51.2
2	☐	0.100					
3	☐	1.000	0.827	2972.64	0.0010	P	3.4
4	☐	50.000	50.378	178737.27	0.0575	P	0.2
5	☐	125.000	125.765	445504.83	0.1435	P	0.5
6	☐	250.000	272.316	954755.72	0.3108	P	1.8
7	☐	500.000	504.787	1745718.40	0.5761	A	1.3
8	☐	1000.000	991.913	3404279.03	1.1319	A	1.4
9	☐			641.70	0.0002	P	2.4

$$y = 0.0011 * x + 1.7865E-005$$

$$R = 0.9997$$

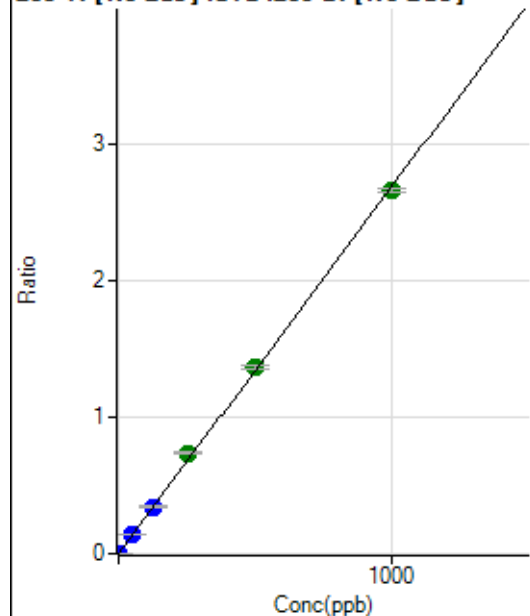
$$DL = 0.02406$$

$$BEC = 0.01566$$

Weight: <None>

Min Conc: 0

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



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	150.00	0.0000	P	19.5
2	☐	0.100					
3	☐	1.000	0.878	7432.97	0.0024	P	3.9
4	☐	50.000	51.045	426497.63	0.1372	P	0.7
5	☐	125.000	127.805	1066165.91	0.3435	P	1.3
6	☐	250.000	274.392	2265371.80	0.7374	A	2.9
7	☐	500.000	508.614	4142325.22	1.3669	A	1.3
8	☐	1000.000	989.193	7995402.52	2.6584	A	1.1
9	☐			1616.81	0.0006	P	10.1

$$y = 0.0027 * x + 4.5952E-005$$

$$R = 0.9996$$

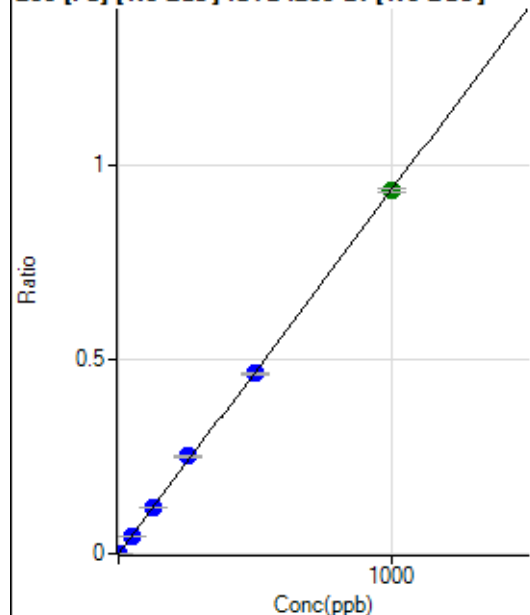
$$DL = 0.00998$$

$$BEC = 0.0171$$

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	261.12	0.0001	P	18.2
2	☐	0.100					
3	☐	1.000	0.851	2709.60	0.0009	P	1.0
4	☐	50.000	49.575	144436.06	0.0465	P	1.5
5	☐	125.000	124.815	362799.89	0.1169	P	0.9
6	☐	250.000	268.554	772365.45	0.2514	P	2.1
7	☐	500.000	495.487	1405484.32	0.4638	P	1.3
8	☐	1000.000	997.662	2808459.87	0.9338	A	1.0
9	☐			4119.29	0.0015	P	6.0

$$y = 9.3586\text{E-}004 * x + 8.0009\text{E-}005$$

$$R = 0.9998$$

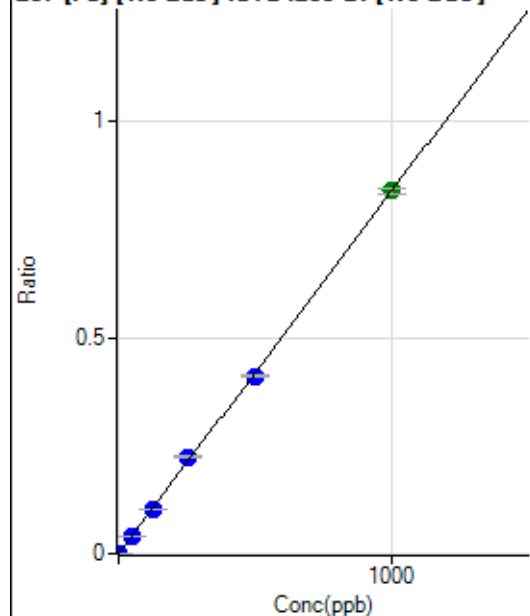
$$DL = 0.04663$$

$$BEC = 0.08549$$

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	225.93	0.0001	P	6.7
2	☐	0.100					
3	☐	1.000	0.813	2320.63	0.0008	P	5.1
4	☐	50.000	48.619	126922.52	0.0408	P	1.5
5	☐	125.000	122.689	319549.94	0.1030	P	0.8
6	☐	250.000	267.384	689095.20	0.2243	P	1.4
7	☐	500.000	489.384	1243850.82	0.4105	P	1.4
8	☐	1000.000	1001.320	2525535.88	0.8398	A	1.4
9	☐			3380.14	0.0012	P	1.9

$$y = 8.3858\text{E-}004 * x + 6.9279\text{E-}005$$

$$R = 0.9997$$

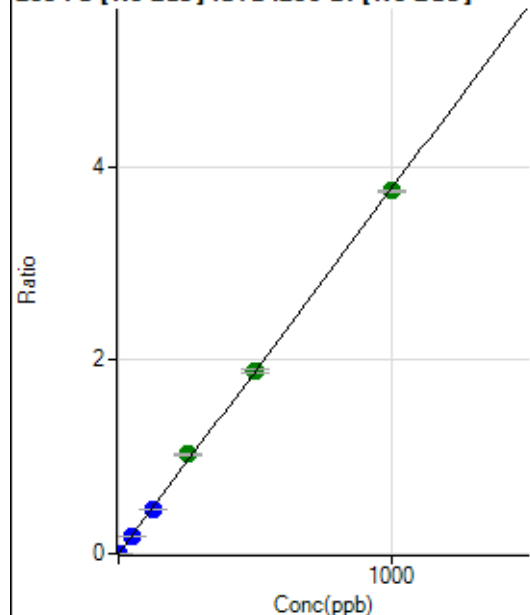
$$DL = 0.01664$$

$$BEC = 0.08261$$

Weight: <None>

Min Conc: 0

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



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	1020.41	0.0003	P	5.5
2	☐	0.100					
3	☐	1.000	0.834	10707.55	0.0035	P	1.8
4	☐	50.000	49.211	578534.15	0.1861	P	1.1
5	☐	125.000	123.135	1444228.54	0.4653	P	0.7
6	☐	250.000	273.199	3170659.22	1.0320	A	1.5
7	☐	500.000	501.025	5734664.00	1.8924	A	1.5
8	☐	1000.000	993.960	11290376.09	3.7539	A	0.8
9	☐			15663.29	0.0055	P	3.1

$$y = 0.0038 * x + 3.1278E-004$$

$$R = 0.9997$$

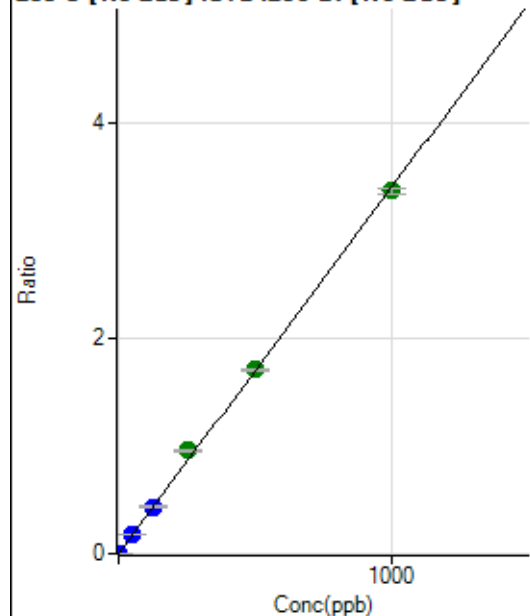
$$DL = 0.01368$$

$$BEC = 0.08283$$

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	0.0000	P	17.9
2	☐	0.100					
3	☐	1.000	0.838	8900.65	0.0029	P	2.2
4	☐	50.000	50.782	536366.59	0.1726	P	1.4
5	☐	125.000	127.999	1350025.74	0.4350	P	1.4
6	☐	250.000	281.028	2934203.65	0.9550	A	0.7
7	☐	500.000	502.413	5173828.98	1.7072	A	0.8
8	☐	1000.000	990.623	10124042.93	3.3661	A	1.3
9	☐			725.05	0.0003	P	17.8

$$y = 0.0034 * x + 2.9808E-005$$

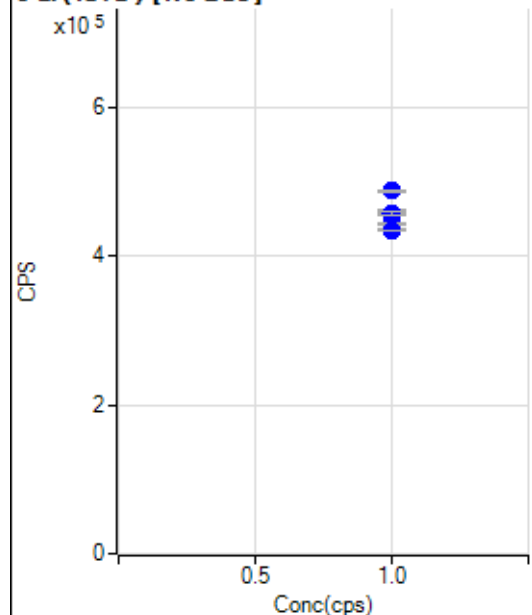
$$R = 0.9994$$

$$DL = 0.004718$$

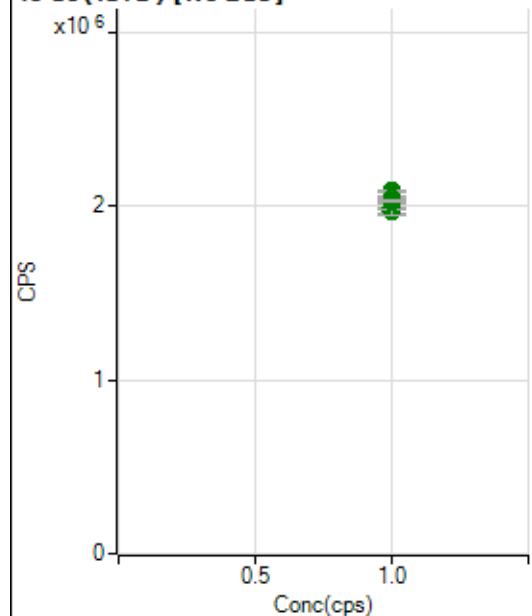
$$BEC = 0.008772$$

Weight: <None>

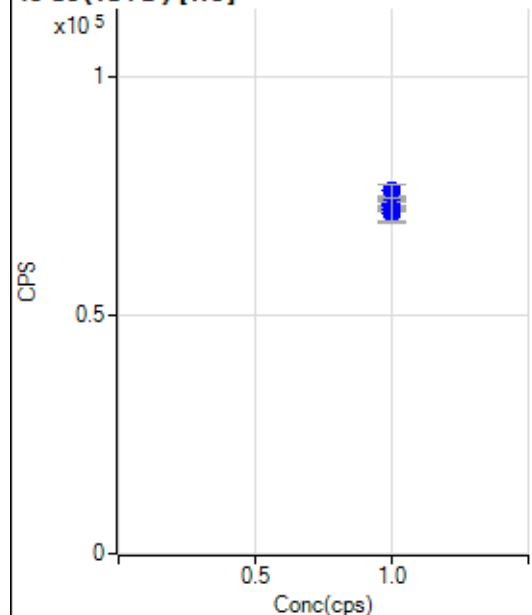
Min Conc: 0

6 Li (ISTD) [No Gas]

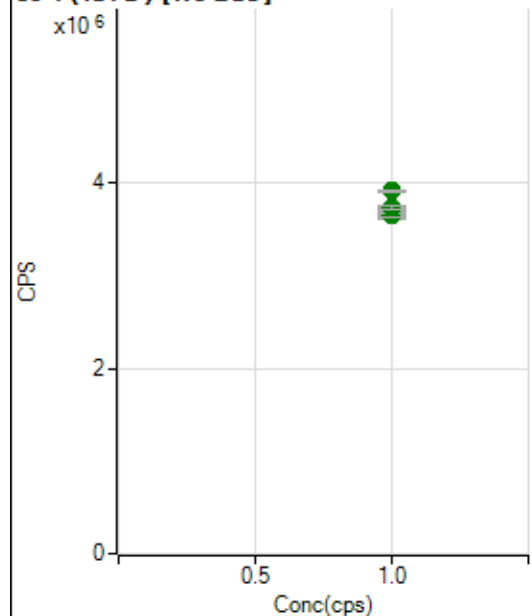
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		488289.16		P	0.6
2	☐	1.000					
3	☐	1.000		459165.02		P	1.9
4	☐	1.000		456739.06		P	0.8
5	☐	1.000		456448.09		P	0.1
6	☐	1.000		443607.76		P	0.8
7	☐	1.000		435553.18		P	0.8
8	☐	1.000		434723.35		P	0.0
9	☐	1.000		457685.31		P	1.2

45 Sc (ISTD) [No Gas]

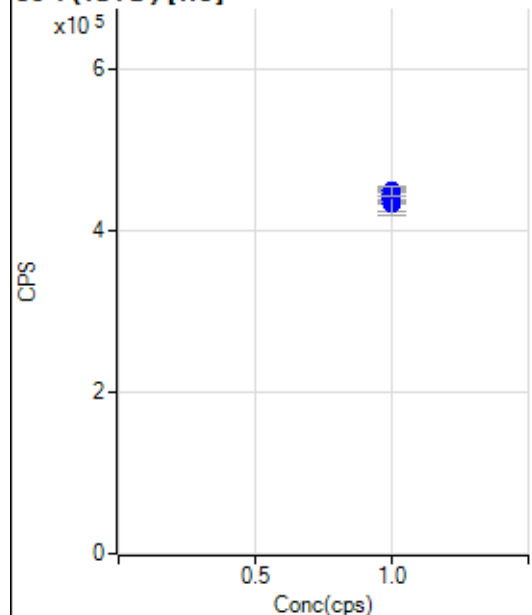
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		2089910.68		A	0.4
2	☐	1.000					
3	☐	1.000		2028189.52		A	3.6
4	☐	1.000		2022303.08		A	1.1
5	☐	1.000		2045788.96		A	0.8
6	☐	1.000		1988977.35		A	3.3
7	☐	1.000		1997049.92		A	1.4
8	☐	1.000		1967235.75		A	1.8
9	☐	1.000		2032442.09		A	1.0

45 Sc (ISTD) [He]

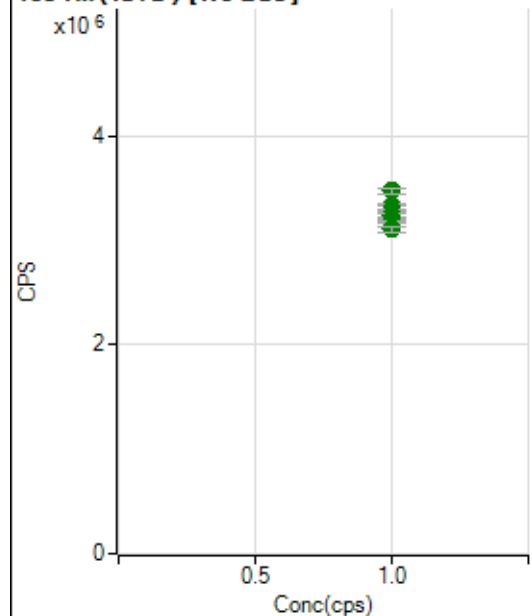
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		71460.42		P	4.4
2	☐	1.000					
3	☐	1.000		73843.51		P	3.1
4	☐	1.000		73395.73		P	2.5
5	☐	1.000		73010.11		P	2.8
6	☐	1.000		73850.45		P	3.1
7	☐	1.000		72879.49		P	2.4
8	☐	1.000		72023.80		P	7.1
9	☐	1.000		76114.48		P	3.8

89 Y (ISTD) [No Gas]

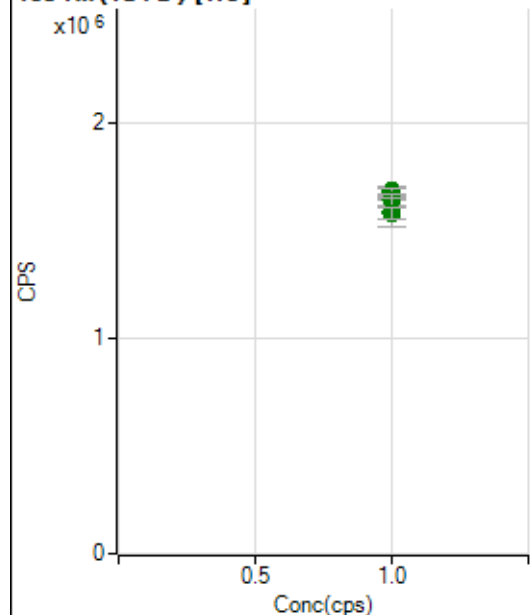
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		3916596.96		A	0.8
2	☐	1.000					
3	☐	1.000		3704619.11		A	2.1
4	☐	1.000		3674811.93		A	1.4
5	☐	1.000		3720089.94		A	0.5
6	☐	1.000		3648218.11		A	2.1
7	☐	1.000		3666116.16		A	0.6
8	☐	1.000		3662654.74		A	1.1
9	☐	1.000		3732542.51		A	1.0

89 Y (ISTD) [He]

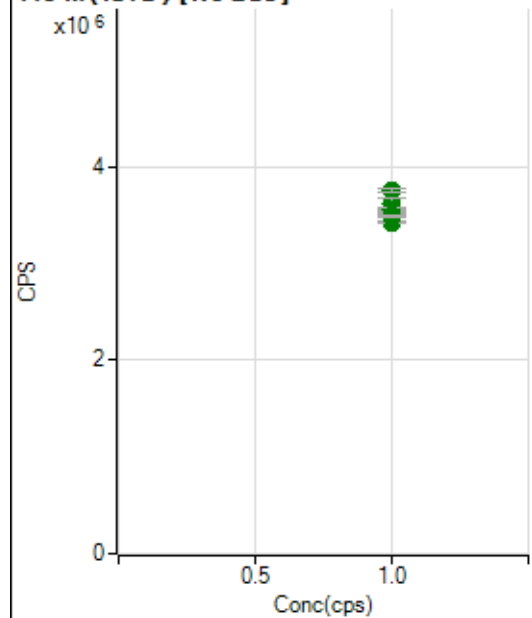
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		433817.67		P	4.3
2	☐	1.000					
3	☐	1.000		445183.93		P	3.0
4	☐	1.000		442883.12		P	3.0
5	☐	1.000		440279.84		P	3.3
6	☐	1.000		444021.19		P	3.3
7	☐	1.000		438040.40		P	2.5
8	☐	1.000		434349.36		P	6.7
9	☐	1.000		449556.54		P	2.4

103 Rh (ISTD) [No Gas]

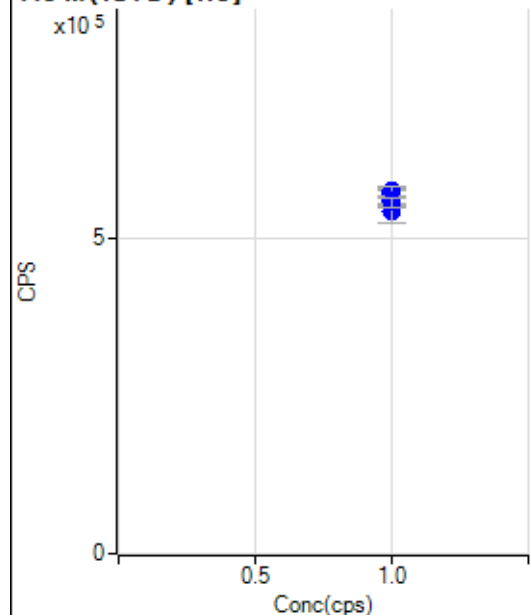
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		3476909.58		A	1.3
2	☐	1.000					
3	☐	1.000		3326551.79		A	1.6
4	☐	1.000		3303107.71		A	1.6
5	☐	1.000		3291614.55		A	0.3
6	☐	1.000		3235774.03		A	1.7
7	☐	1.000		3210634.30		A	0.6
8	☐	1.000		3183139.24		A	0.3
9	☐	1.000		3105768.19		A	1.4

103 Rh (ISTD) [He]

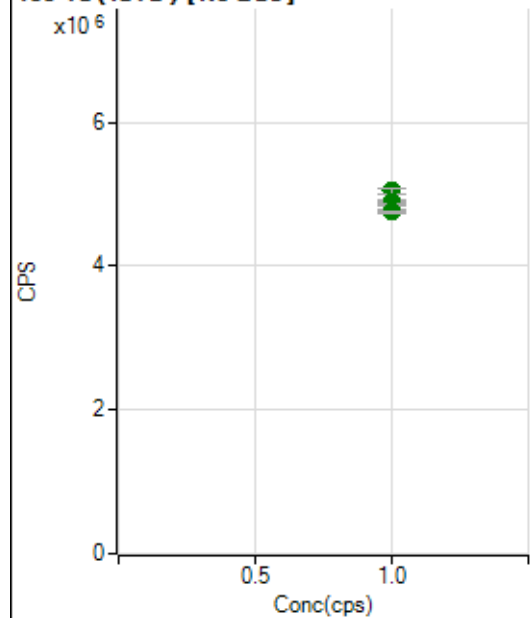
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		1674260.39		A	3.5
2	☐	1.000					
3	☐	1.000		1686825.16		A	2.1
4	☐	1.000		1678893.43		A	2.3
5	☐	1.000		1681020.10		A	2.1
6	☐	1.000		1674477.39		A	3.1
7	☐	1.000		1643165.20		A	3.1
8	☐	1.000		1589022.94		A	8.2
9	☐	1.000		1581708.88		A	3.4

115 In (ISTD) [No Gas]

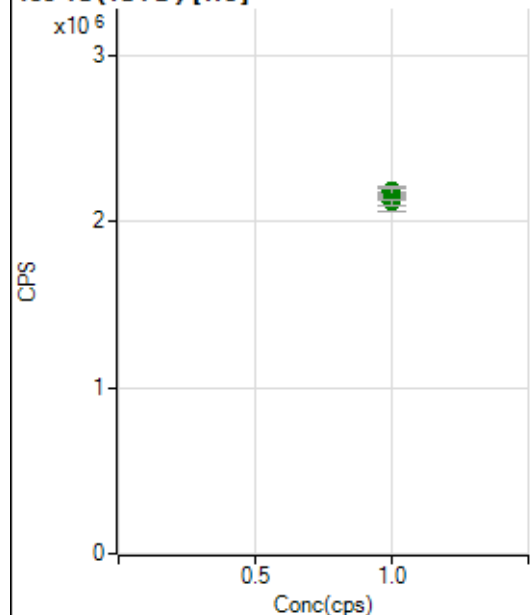
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		3747627.24		A	1.0
2	☐	1.000					
3	☐	1.000		3608687.09		A	3.4
4	☐	1.000		3546220.44		A	0.9
5	☐	1.000		3533015.33		A	1.3
6	☐	1.000		3556915.46		A	1.2
7	☐	1.000		3503928.33		A	0.9
8	☐	1.000		3421363.80		A	0.6
9	☐	1.000		3477517.13		A	0.6

115 In (ISTD) [He]

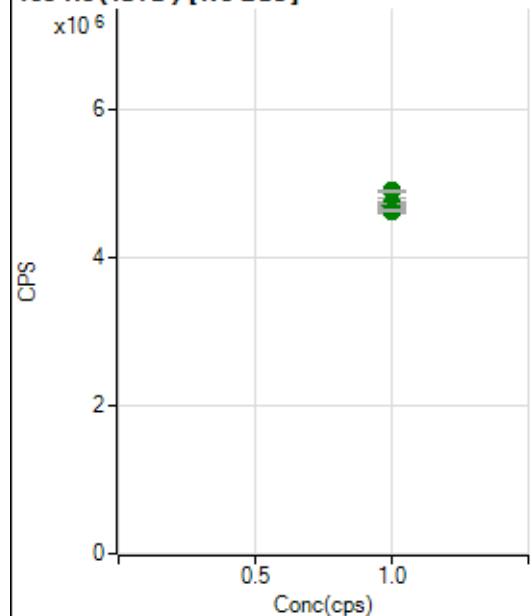
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		563929.86		P	4.2
2	☐	1.000					
3	☐	1.000		574457.69		P	2.8
4	☐	1.000		571916.77		P	2.8
5	☐	1.000		570708.04		P	3.1
6	☐	1.000		572390.98		P	3.2
7	☐	1.000		559761.45		P	2.3
8	☐	1.000		543491.03		P	7.4
9	☐	1.000		555820.50		P	3.0

159 Tb (ISTD) [No Gas]

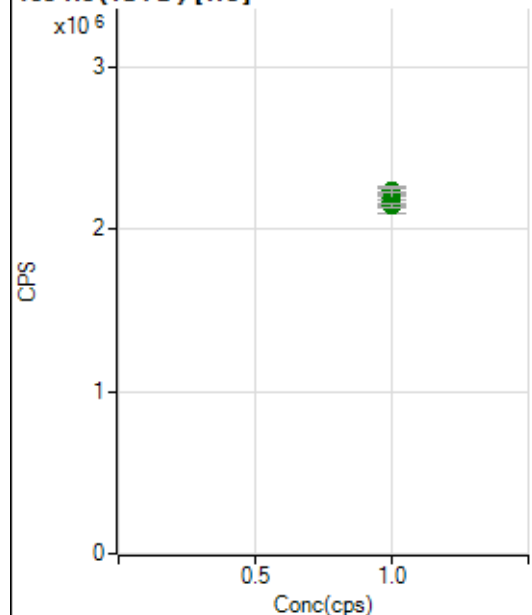
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		5042693.40		A	1.3
2	☐	1.000					
3	☐	1.000		4841625.97		A	2.7
4	☐	1.000		4853760.76		A	0.6
5	☐	1.000		4895512.53		A	0.6
6	☐	1.000		4863795.62		A	1.0
7	☐	1.000		4849629.75		A	0.9
8	☐	1.000		4843582.46		A	0.5
9	☐	1.000		4753469.44		A	0.6

159 Tb (ISTD) [He]

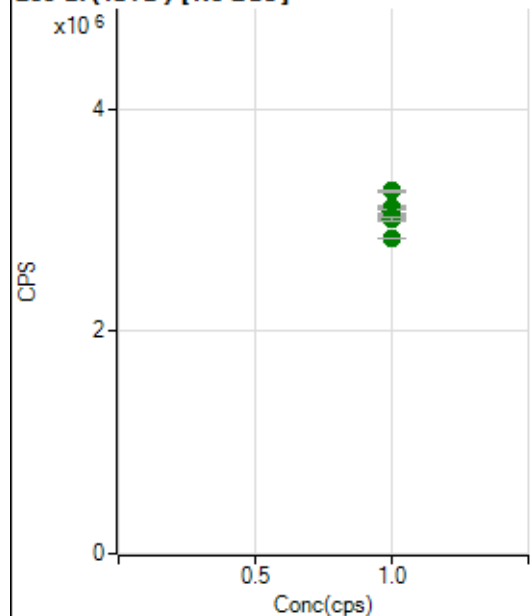
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		2147221.93		A	4.5
2	☐	1.000					
3	☐	1.000		2171277.75		A	2.4
4	☐	1.000		2160954.13		A	1.9
5	☐	1.000		2176699.85		A	2.6
6	☐	1.000		2185218.58		A	1.9
7	☐	1.000		2182242.27		A	3.3
8	☐	1.000		2135389.36		A	6.5
9	☐	1.000		2114240.54		A	1.6

165 Ho (ISTD) [No Gas]

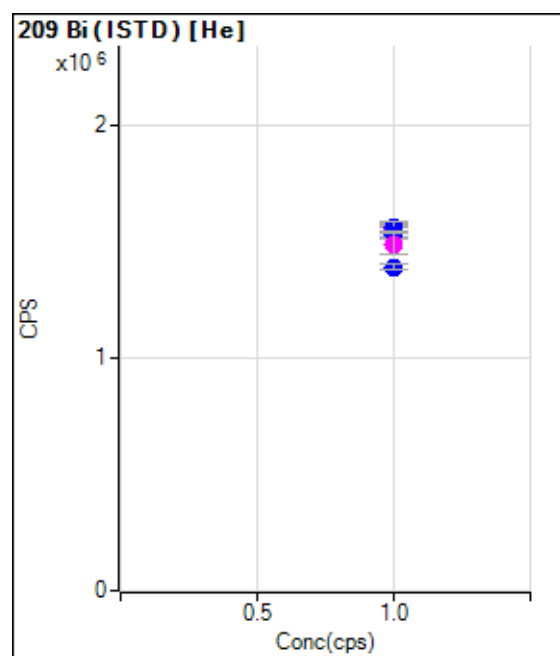
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		4907877.50		A	0.4
2	☐	1.000					
3	☐	1.000		4702834.57		A	4.2
4	☐	1.000		4652186.87		A	0.5
5	☐	1.000		4736345.77		A	0.8
6	☐	1.000		4677327.45		A	1.1
7	☐	1.000		4700412.65		A	0.4
8	☐	1.000		4698597.63		A	1.0
9	☐	1.000		4636000.88		A	0.6

165 Ho (ISTD) [He]

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		2178048.79		A	3.5
2	☐	1.000					
3	☐	1.000		2202067.80		A	2.3
4	☐	1.000		2183356.53		A	2.5
5	☐	1.000		2204191.82		A	2.4
6	☐	1.000		2233730.76		A	2.6
7	☐	1.000		2190926.86		A	2.9
8	☐	1.000		2171885.56		A	7.1
9	☐	1.000		2143426.62		A	1.2

209 Bi (ISTD) [No Gas]

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		3262013.08		A	0.5
2	☐	1.000					
3	☐	1.000		3092376.13		A	2.6
4	☐	1.000		3108189.40		A	1.3
5	☐	1.000		3103866.79		A	0.5
6	☐	1.000		3072706.45		A	1.3
7	☐	1.000		3030691.03		A	1.0
8	☐	1.000		3007903.39		A	1.5
9	☐	1.000		2835016.59		A	0.1



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		1541995.03		M	2.8
2	☐	1.000					
3	☐	1.000		1558845.90		M	2.4
4	☐	1.000		1558550.38		M	2.0
5	☐	1.000		1559657.98		P	2.1
6	☐	1.000		1560183.62		P	3.0
7	☐	1.000		1530572.70		P	2.0
8	☐	1.000		1492134.30		M	6.6
9	☐	1.000		1393313.36		P	1.9