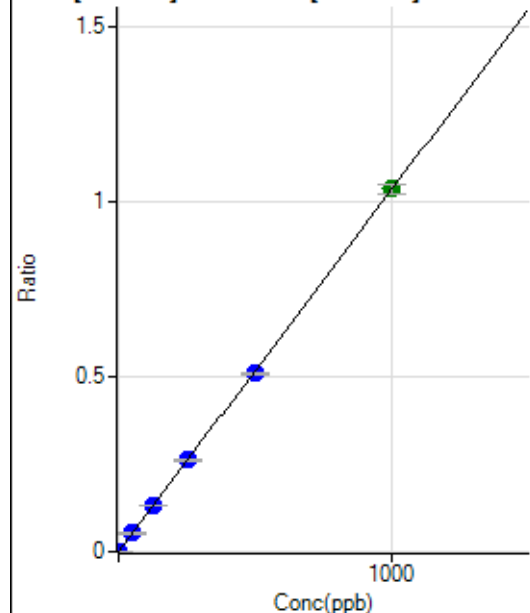


Batch Folder: D:\P8112818.b\
Analysis File: P8112818.batch.bin
DA Date-Time: 2018-11-28 17:28:24
Calibration Title:
Calibration Method: External Calibration
VIS Interpolation Fit:

Level	Standard Data File	Sample Name	Acq. Date-Time
1	003CALB.d	S00	2018-11-28 15:37:01
2			
3	005CALS.d	S02	2018-11-28 15:44:26
4	006CALS.d	S03	2018-11-28 15:48:11
5	007CALS.d	S04	2018-11-28 15:51:56
6	008CALS.d	S05	2018-11-28 15:55:35
7	009CALS.d	S06	2018-11-28 15:59:08
8	010CALS.d	S07	2018-11-28 16:02:36
9	011CALS.d	S08	2018-11-28 16:05:59

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	75.93	0.0001	P	20.7
2	☐	0.100					
3	☐	1.000	0.981	1157.49	0.0011	P	8.8
4	☐	50.000	50.659	54997.77	0.0524	P	1.5
5	☐	125.000	126.079	140031.70	0.1303	P	1.0
6	☐	250.000	253.684	278610.21	0.2622	P	1.2
7	☐	500.000	491.818	564160.90	0.5082	P	1.6
8	☐	1000.000	1003.002	1128786.04	1.0363	A	2.4
9	☐			351.87	0.0003	P	13.5

$$y = 0.0010 * x + 7.2137E-005$$

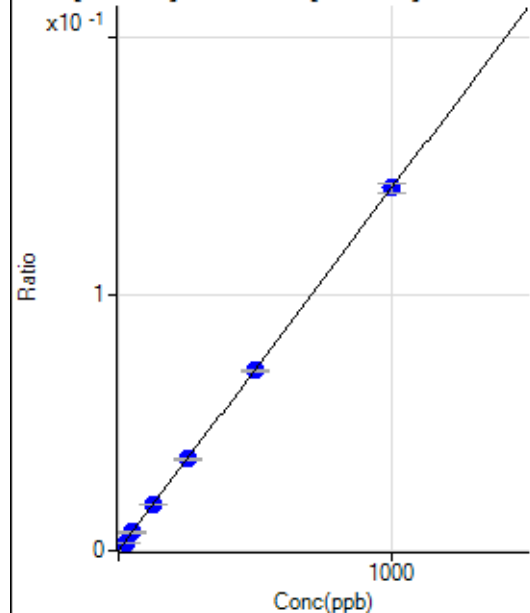
$$R = 0.9999$$

$$DL = 0.04339$$

$$BEC = 0.06982$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	102.78	0.0001	P	38.3
2	☐	2.500					
3	☐	25.000	22.267	3453.36	0.0032	P	6.3
4	☐	50.000	50.193	7538.38	0.0072	P	2.1
5	☐	125.000	127.342	19411.04	0.0181	P	1.2
6	☐	250.000	252.522	37967.76	0.0357	P	2.3
7	☐	500.000	496.394	77869.72	0.0701	P	1.0
8	☐	1000.000	1000.938	153942.70	0.1413	P	2.5
9	☐			1377.91	0.0013	P	9.7

$$y = 1.4111E-004 * x + 9.7788E-005$$

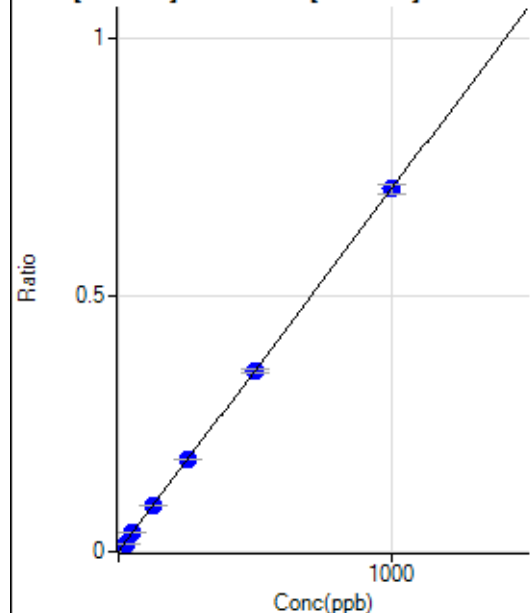
$$R = 1.0000$$

$$DL = 0.7963$$

$$BEC = 0.693$$

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	563.93	0.0005	P	9.1
2	☐	2.500					
3	☐	25.000	22.076	17185.90	0.0161	P	0.9
4	☐	50.000	50.538	38012.45	0.0362	P	1.4
5	☐	125.000	127.107	97010.69	0.0903	P	0.8
6	☐	250.000	254.760	191752.37	0.1804	P	0.6
7	☐	500.000	497.196	390343.56	0.3516	P	1.4
8	☐	1000.000	999.995	769665.52	0.7067	P	2.7
9	☐			7410.57	0.0070	P	6.6

$$y = 7.0613\text{E-}004 * x + 5.3703\text{E-}004$$

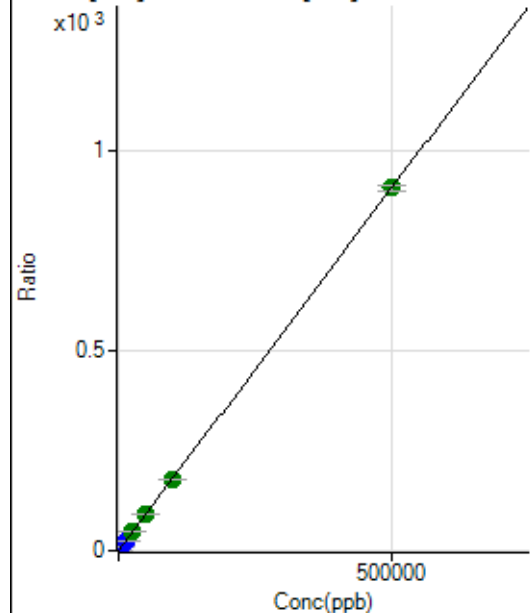
$$R = 1.0000$$

$$DL = 0.2087$$

$$BEC = 0.7605$$

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	6487.89	0.1600	P	10.1
2	☐	50.000					
3	☐	500.000	530.399	47059.47	1.1192	P	2.7
4	☐	5000.000	5189.438	401617.32	9.5449	P	0.9
5	☐	12500.000	13078.829	995041.50	23.8126	P	1.1
6	☐	25000.000	26874.318	1992108.31	48.7613	A	1.6
7	☐	50000.000	50584.193	3914408.08	91.6397	A	1.2
8	☐	100000.00	97666.631	7603213.62	176.7865	A	0.7
9	☐	500000.00	500298.14	38454197.74	904.9308	A	1.4

$$y = 0.0018 * x + 0.1600$$

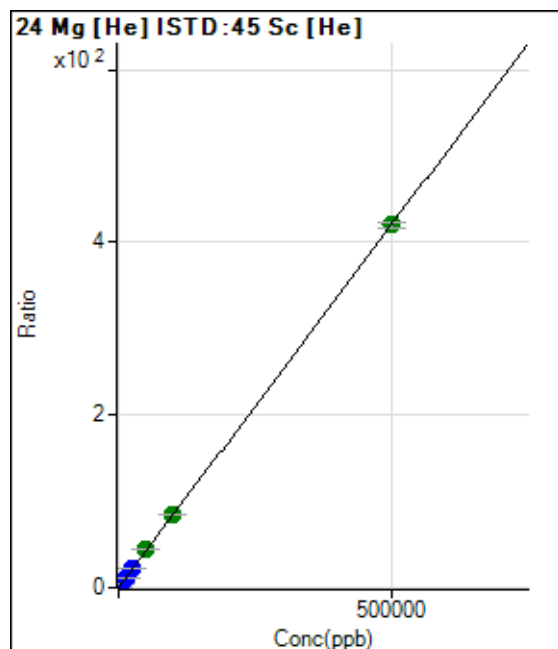
$$R = 1.0000$$

$$DL = 26.85$$

$$BEC = 88.49$$

Weight: <None>

Min Conc: 0



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	183.34	0.0045	P	24.1
2	☐	50.000					
3	☐	500.000	513.329	18337.53	0.4360	P	3.2
4	☐	5000.000	5267.140	186478.82	4.4319	P	1.0
5	☐	12500.000	13174.384	462925.55	11.0785	P	1.3
6	☐	25000.000	26571.381	912717.87	22.3395	P	0.7
7	☐	50000.000	52273.496	1877056.08	43.9439	A	1.3
8	☐	100000.00	99632.244	3602176.34	83.7520	A	0.3
9	☐	500000.00	499748.08	17850391.89	420.0759	A	1.7

$$y = 8.4057\text{E-}004 * x + 0.0045$$

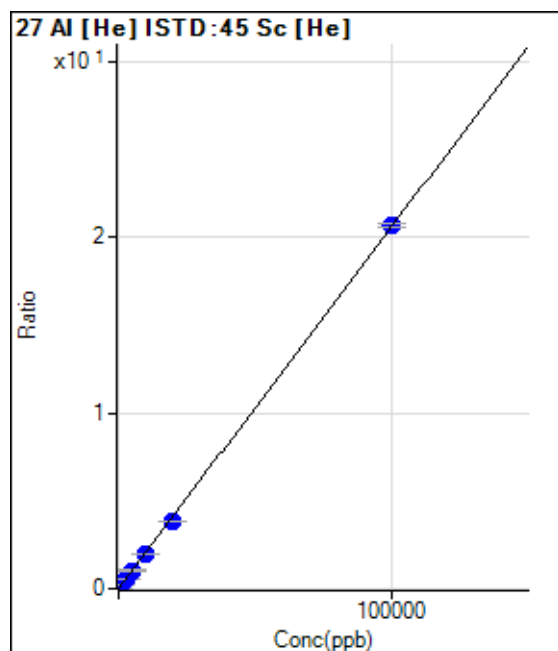
$$R = 1.0000$$

$$DL = 3.9$$

$$BEC = 5.387$$

Weight: <None>

Min Conc: 0



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	40.01	0.0010	P	37.4
2	☐	2.000					
3	☐	20.000	19.082	206.72	0.0049	P	12.1
4	☐	1000.000	990.297	8609.02	0.2046	P	1.9
5	☐	2500.000	2484.467	21383.17	0.5117	P	1.9
6	☐	5000.000	5039.074	42364.20	1.0369	P	0.8
7	☐	10000.000	9454.086	83062.29	1.9445	P	1.0
8	☐	20000.000	18639.613	164845.26	3.8329	P	0.6
9	☐	100000.00	100325.20	876492.77	20.6254	P	1.1

$$y = 2.0558\text{E-}004 * x + 9.9721\text{E-}004$$

$$R = 0.9999$$

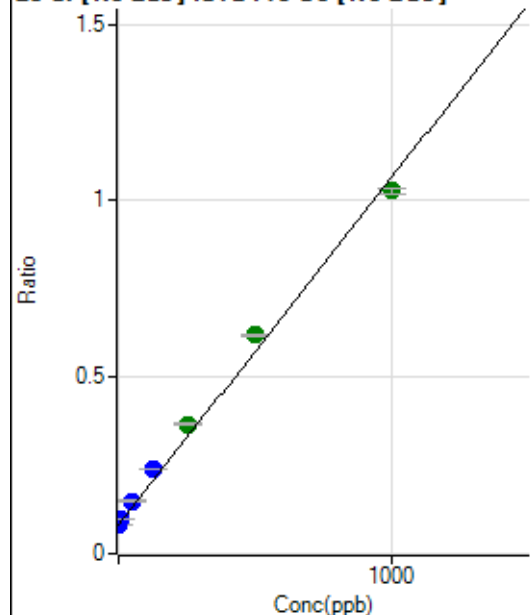
$$DL = 5.449$$

$$BEC = 4.851$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	286256.54	0.0819	P	1.4
2	☐	1.000					
3	☐	10.000	17.859	346828.31	0.0995	P	1.4
4	☐	50.000	68.424	510851.95	0.1492	P	1.0
5	☐	125.000	161.279	842381.05	0.2405	P	0.6
6	☐	250.000	289.130	1274871.05	0.3663	A	1.7
7	☐	500.000	546.167	2239510.62	0.6191	A	0.4
8	☐	1000.000	961.599	3694440.71	1.0277	A	1.3
9	☐			616987.04	0.1719	P	2.5

$$y = 9.8356E-004 * x + 0.0819$$

$$R = 0.9973$$

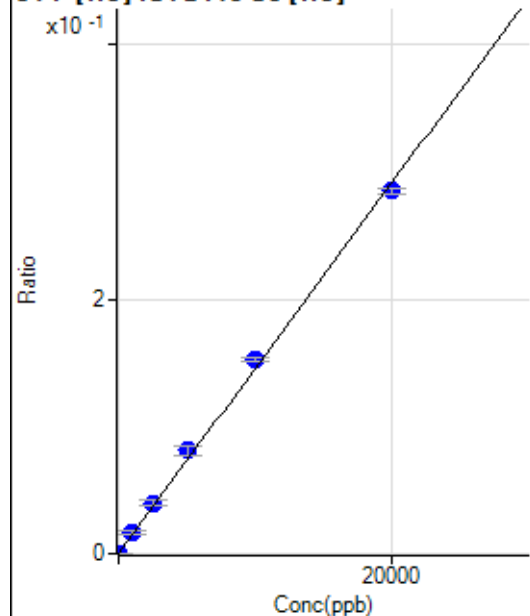
$$DL = 3.501$$

$$BEC = 83.27$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	5.689	8.33	0.0002	P	173.
2	☐	0.000					
3	☐	0.000	-5.689	2.78	0.0001	P	173.
4	☐	1000.000	1101.503	680.60	0.0162	P	17.4
5	☐	2500.000	2733.378	1669.63	0.0399	P	11.3
6	☐	5000.000	5558.676	3314.40	0.0811	P	9.4
7	☐	10000.000	10476.190	6521.22	0.1527	P	2.3
8	☐	20000.000	19587.989	12272.49	0.2853	P	1.4
9	☐			22.22	0.0005	P	42.9

$$y = 1.4558E-005 * x + 1.4706E-004$$

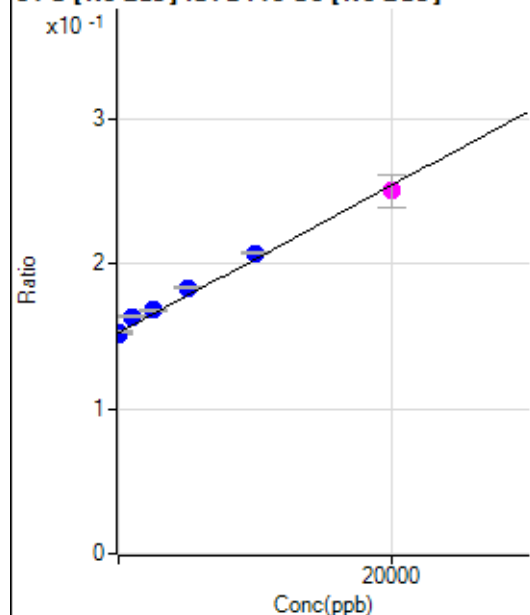
$$R = 0.9991$$

$$DL = 52.49$$

$$BEC = 10.1$$

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	-126.343	531112.31	0.1520	P	1.2
2	☐	0.000					
3	☐	0.000	126.343	534350.94	0.1532	P	1.1
4	☐	1000.000	2143.816	559894.04	0.1635	P	0.8
5	☐	2500.000	3137.325	590409.13	0.1686	P	0.8
6	☐	5000.000	6076.152	638917.50	0.1836	P	0.9
7	☐	10000.000	10730.526	749796.66	0.2073	P	0.6
8	☐	20000.000	19228.842	900915.42	0.2506	M	8.9
9	☐			483273.82	0.1347	P	1.0

$$y = 5.0956\text{E-}006 * x + 0.1526$$

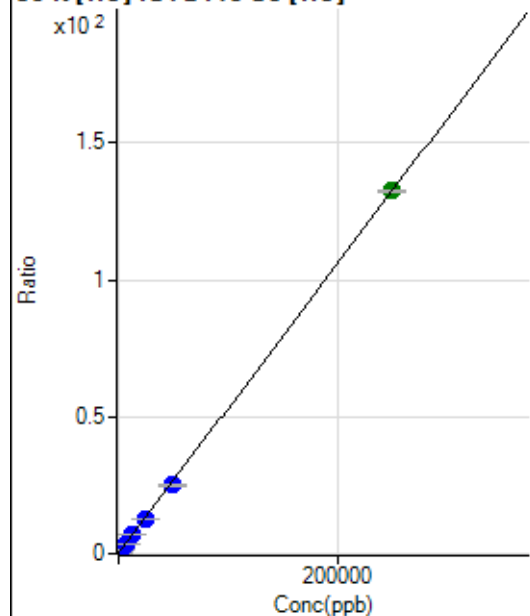
$$R = 0.9963$$

$$DL = 1032$$

$$BEC = 2.995\text{E}+04$$

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	5095.62	0.1259	P	12.1
2	☐	50.000					
3	☐	500.000	501.954	16432.59	0.3909	P	4.7
4	☐	2500.000	2554.355	62054.18	1.4747	P	1.3
5	☐	6250.000	6321.304	144738.00	3.4639	P	2.0
6	☐	12500.000	12718.283	279531.84	6.8419	P	1.1
7	☐	25000.000	24213.692	551567.48	12.9122	P	1.1
8	☐	50000.000	46996.650	1072733.81	24.9430	P	0.7
9	☐	250000.00	250666.05	5630539.93	132.4928	A	0.6

$$y = 5.2806\text{E-}004 * x + 0.1259$$

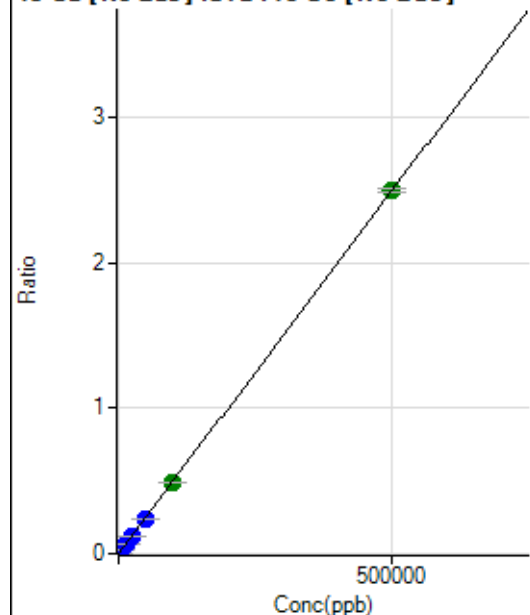
$$R = 0.9999$$

$$DL = 86.6$$

$$BEC = 238.4$$

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	616.71	0.0002	P	2.9
2	☐	50.000					
3	☐	500.000	491.094	9156.11	0.0026	P	2.7
4	☐	5000.000	5007.827	86099.82	0.0251	P	2.2
5	☐	12500.000	12365.111	216558.14	0.0618	P	0.4
6	☐	25000.000	24719.375	429643.07	0.1234	P	1.3
7	☐	50000.000	48316.166	872163.12	0.2411	P	0.5
8	☐	100000.00	97771.314	1753196.63	0.4877	A	1.7
9	☐	500000.00	500631.45	8959961.92	2.4965	A	1.2

$$y = 4.9864E-006 * x + 1.7644E-004$$

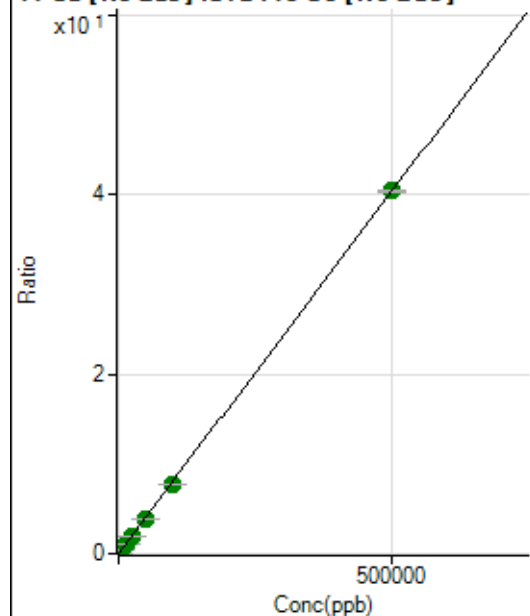
$$R = 1.0000$$

$$DL = 3.048$$

$$BEC = 35.38$$

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	19506.04	0.0056	P	1.7
2	☐	50.000					
3	☐	500.000	490.865	157628.68	0.0452	P	1.2
4	☐	5000.000	5040.293	1412146.13	0.4124	A	1.1
5	☐	12500.000	12318.603	3502058.41	0.9999	A	0.3
6	☐	25000.000	24578.239	6925252.32	1.9895	A	0.5
7	☐	50000.000	47659.965	13936669.41	3.8526	A	0.7
8	☐	100000.00	95614.169	27764548.54	7.7234	A	1.6
9	☐	500000.00	501136.39	145203040.7	40.4568	A	0.7

$$y = 8.0719E-005 * x + 0.0056$$

$$R = 1.0000$$

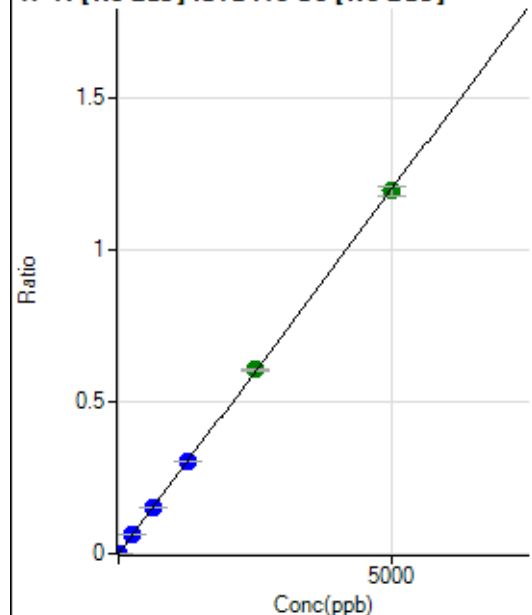
$$DL = 3.457$$

$$BEC = 69.14$$

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	152.78	0.0000	P	28.9
2	☐	0.500					
3	☐	5.000	4.916	4261.97	0.0012	P	2.0
4	☐	250.000	255.696	210015.41	0.0613	P	2.0
5	☐	625.000	633.187	531751.34	0.1518	P	0.3
6	☐	1250.000	1273.708	1062942.36	0.3054	P	0.9
7	☐	2500.000	2524.621	2189429.28	0.6052	A	0.8
8	☐	5000.000	4980.454	4291685.95	1.1939	A	2.5
9	☐			1458.86	0.0004	P	22.9

$$y = 2.3972E-004 * x + 4.3781E-005$$

$$R = 1.0000$$

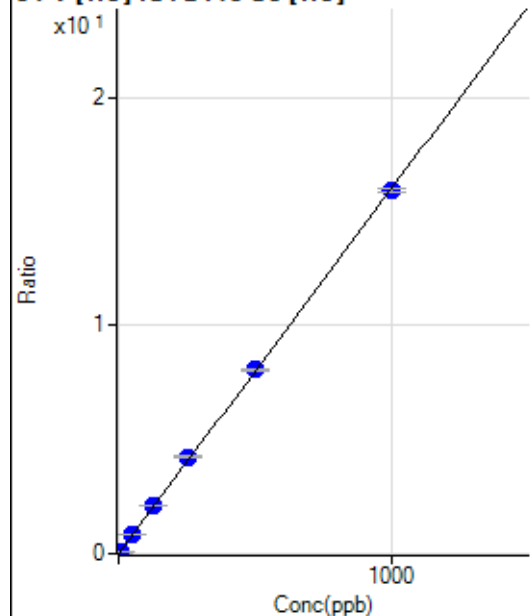
$$DL = 0.1585$$

$$BEC = 0.1826$$

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	13.34	0.0003	P	80.9
2	☐	0.500					
3	☐	5.000	5.097	3439.37	0.0818	P	5.3
4	☐	50.000	51.909	34948.24	0.8305	P	1.1
5	☐	125.000	129.882	86817.96	2.0776	P	1.1
6	☐	250.000	264.989	173166.58	4.2385	P	1.2
7	☐	500.000	503.354	343906.17	8.0509	P	0.9
8	☐	1000.000	993.870	683627.37	15.8962	P	1.2
9	☐			320.01	0.0075	P	18.1

$$y = 0.0160 * x + 3.1852E-004$$

$$R = 0.9999$$

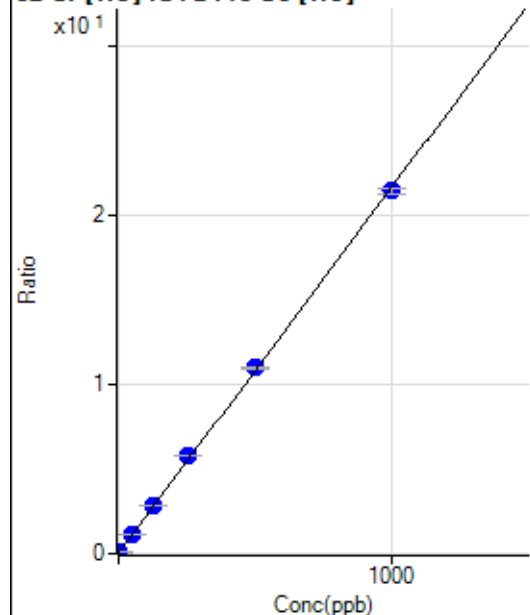
$$DL = 0.04836$$

$$BEC = 0.01991$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	874.49	0.0216	P	8.5
2	☐	0.200					
3	☐	2.000	2.255	2954.81	0.0703	P	4.3
4	☐	50.000	52.413	48540.71	1.1537	P	1.7
5	☐	125.000	131.719	119786.95	2.8666	P	1.1
6	☐	250.000	266.958	236465.67	5.7878	P	0.9
7	☐	500.000	507.664	469305.88	10.9870	P	1.2
8	☐	1000.000	990.967	921443.75	21.4262	P	1.3
9	☐			44113.99	1.0382	P	2.5

$$y = 0.0216 * x + 0.0216$$

$$R = 0.9998$$

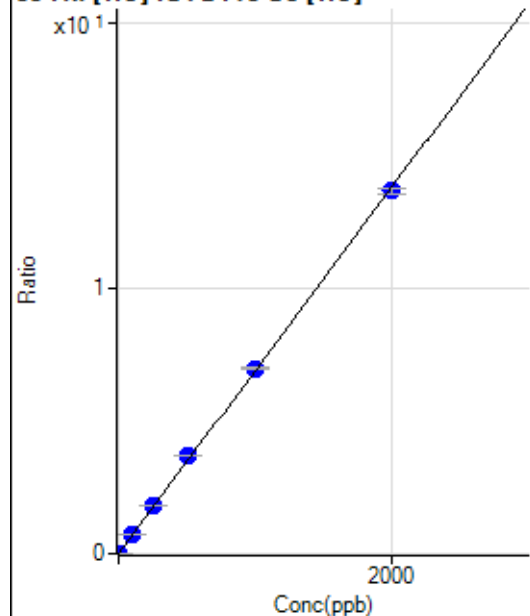
$$DL = 0.255$$

$$BEC = 0.9978$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	43.33	0.0011	P	25.3
2	☐	0.100					
3	☐	1.000	1.120	370.01	0.0088	P	10.8
4	☐	100.000	106.132	30879.94	0.7339	P	1.1
5	☐	250.000	263.799	76158.56	1.8226	P	0.9
6	☐	500.000	536.731	151455.39	3.7071	P	1.1
7	☐	1000.000	1013.555	298990.82	6.9994	P	1.0
8	☐	2000.000	1982.008	588584.98	13.6864	P	1.3
9	☐			4420.77	0.1040	P	2.3

$$y = 0.0069 * x + 0.0011$$

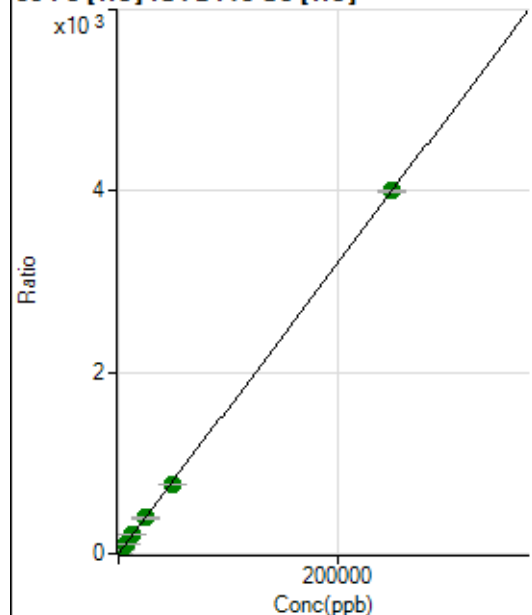
$$R = 0.9998$$

$$DL = 0.1185$$

$$BEC = 0.1563$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	1714.97	0.0423	P	11.1
2	☐	5.000					
3	☐	50.000	52.209	36850.94	0.8763	P	2.0
4	☐	2500.000	2596.386	1746931.52	41.5179	A	1.0
5	☐	6250.000	6425.991	4291007.27	102.6934	A	1.9
6	☐	12500.000	12882.185	8409185.14	205.8270	A	1.1
7	☐	25000.000	24619.663	16801868.08	393.3256	A	0.8
8	☐	50000.000	48046.681	33008798.65	767.5572	A	1.3
9	☐	250000.00	250404.22	169990068.6	4,000.088	A	0.8

$$y = 0.0160 * x + 0.0423$$

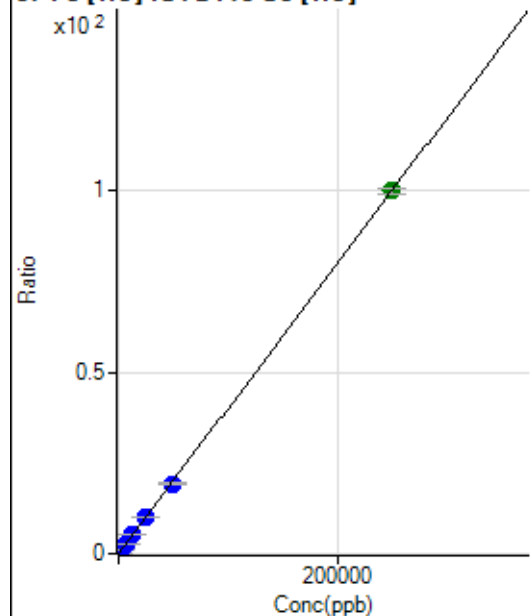
$$R = 1.0000$$

$$DL = 0.8795$$

$$BEC = 2.65$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	64.82	0.0016	P	17.9
2	☐	5.000					
3	☐	50.000	50.751	920.44	0.0219	P	9.6
4	☐	2500.000	2553.172	42924.12	1.0202	P	3.0
5	☐	6250.000	6435.497	107353.07	2.5691	P	1.3
6	☐	12500.000	13017.010	212241.61	5.1948	P	1.2
7	☐	25000.000	24687.459	420790.89	9.8508	P	1.0
8	☐	50000.000	48250.834	827922.07	19.2516	P	1.3
9	☐	250000.00	250350.06	4244232.97	99.8805	A	1.6

$$y = 3.9896E-004 * x + 0.0016$$

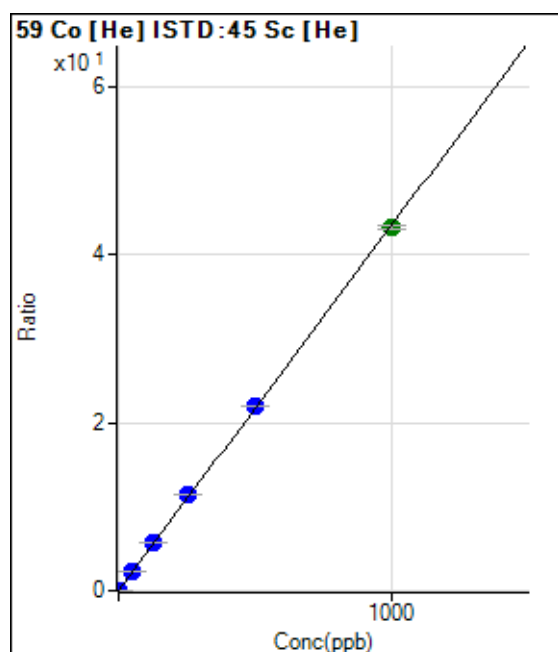
$$R = 1.0000$$

$$DL = 2.161$$

$$BEC = 4.018$$

Weight: <None>

Min Conc: 0



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	65.56	0.0016	P	7.1
2	☐	0.100					
3	☐	1.000	1.066	2019.07	0.0480	P	0.8
4	☐	50.000	52.264	95775.94	2.2762	P	0.9
5	☐	125.000	130.526	237442.93	5.6823	P	1.1
6	☐	250.000	264.320	470058.87	11.5052	P	0.8
7	☐	500.000	505.021	938934.81	21.9808	P	0.9
8	☐	1000.000	993.105	1858833.60	43.2229	A	1.1
9	☐			23900.73	0.5624	P	1.2

$$y = 0.0435 * x + 0.0016$$

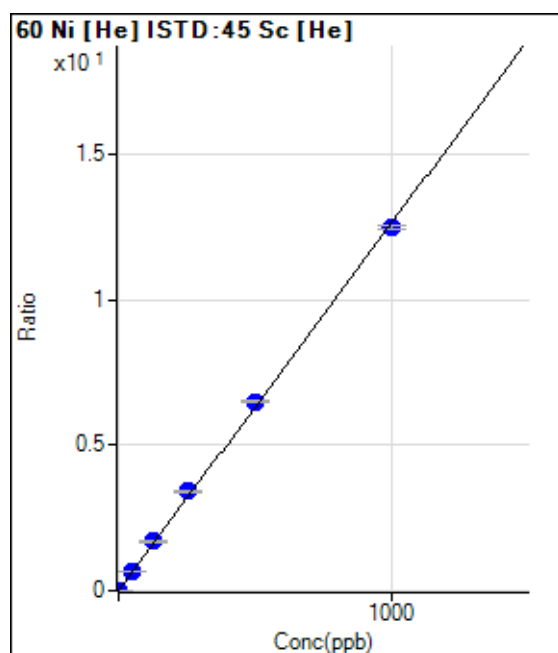
$$R = 0.9999$$

$$DL = 0.007938$$

$$BEC = 0.0371$$

Weight: <None>

Min Conc: 0



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	68.89	0.0017	P	30.4
2	☐	0.100					
3	☐	1.000	1.178	697.81	0.0166	P	5.5
4	☐	50.000	52.640	28060.72	0.6669	P	2.6
5	☐	125.000	133.760	70707.28	1.6921	P	0.8
6	☐	250.000	270.356	139652.90	3.4183	P	1.5
7	☐	500.000	513.258	277138.45	6.4879	P	0.9
8	☐	1000.000	987.055	536519.34	12.4754	P	1.2
9	☐			21102.88	0.4966	P	2.3

$$y = 0.0126 * x + 0.0017$$

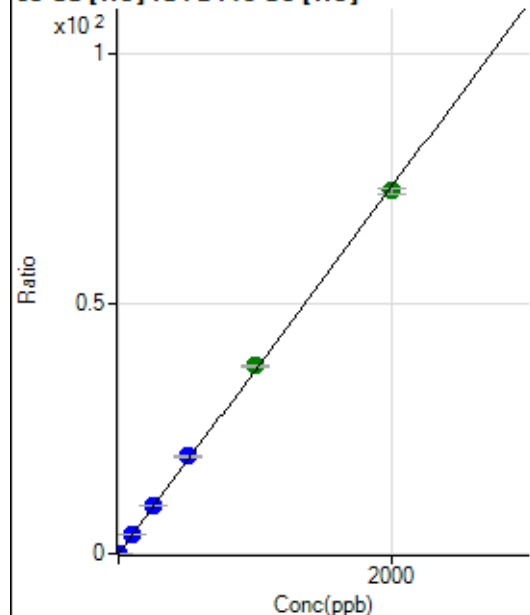
$$R = 0.9996$$

$$DL = 0.1239$$

$$BEC = 0.1357$$

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	596.69	0.0146	P	8.0
2	☐	0.200					
3	☐	2.000	2.140	3916.18	0.0932	P	5.0
4	☐	100.000	104.029	161299.97	3.8335	P	1.0
5	☐	250.000	262.399	403127.04	9.6472	P	0.8
6	☐	500.000	529.630	794955.97	19.4572	P	0.7
7	☐	1000.000	1025.913	1609358.64	37.6755	A	0.9
8	☐	2000.000	1977.884	3123142.32	72.6221	A	1.3
9	☐			8920.78	0.2099	P	1.3

$$y = 0.0367 * x + 0.0146$$

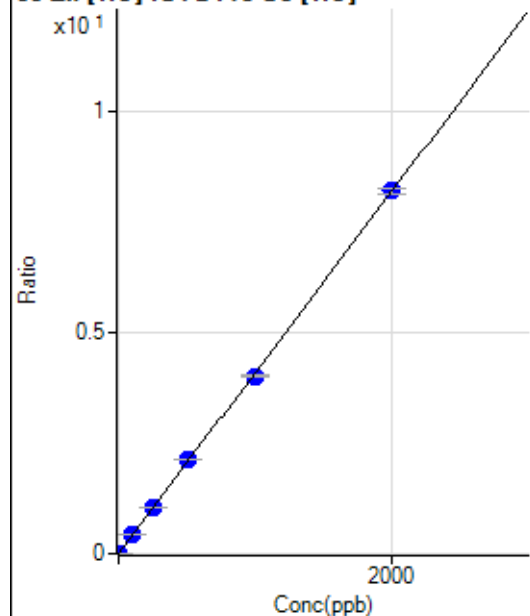
$$R = 0.9997$$

$$DL = 0.09534$$

$$BEC = 0.3986$$

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	51.11	0.0012	P	65.5
2	☐	0.200					
3	☐	2.000	2.391	463.35	0.0110	P	10.0
4	☐	100.000	102.292	17660.31	0.4197	P	0.8
5	☐	250.000	255.405	43713.21	1.0461	P	0.0
6	☐	500.000	517.811	86597.04	2.1195	P	1.0
7	☐	1000.000	979.637	171239.43	4.0088	P	1.0
8	☐	2000.000	2004.938	352781.37	8.2032	P	1.3
9	☐			4523.04	0.1064	P	1.5

$$y = 0.0041 * x + 0.0012$$

$$R = 0.9999$$

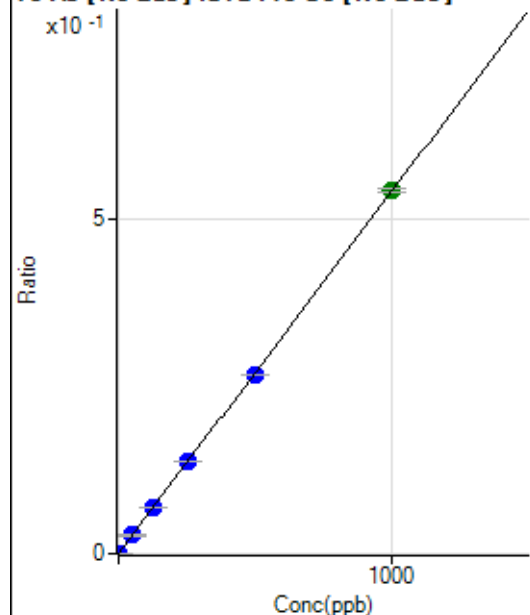
$$DL = 0.5849$$

$$BEC = 0.2977$$

Weight: <None>

Min Conc: 0

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



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	1100.90	0.0003	P	6.2
2	☐	0.100					
3	☐	1.000	1.024	3026.06	0.0009	P	4.1
4	☐	50.000	49.924	93376.77	0.0273	P	1.2
5	☐	125.000	125.548	238515.67	0.0681	P	0.9
6	☐	250.000	253.523	477587.89	0.1372	P	1.0
7	☐	500.000	494.056	966146.84	0.2671	P	0.3
8	☐	1000.000	1002.026	1946214.84	0.5414	A	0.9
9	☐			4426.20	0.0012	P	1.9

$$y = 5.3995\text{E-}004 * x + 3.1499\text{E-}004$$

$$R = 1.0000$$

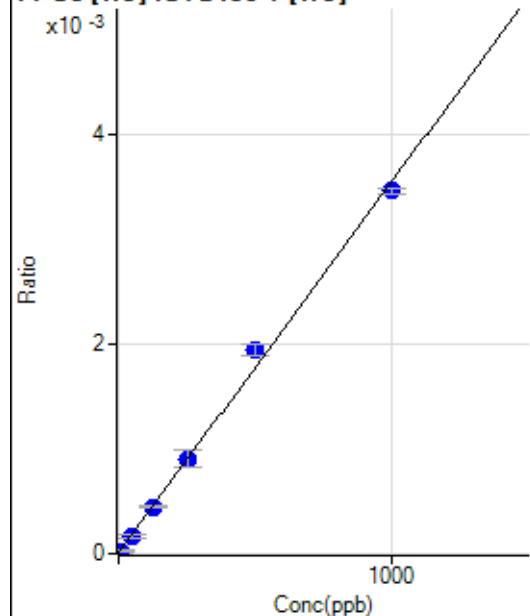
$$DL = 0.1091$$

$$BEC = 0.5834$$

Weight: <None>

Min Conc: 0

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



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	2.22	0.0000	P	87.5
2	☐	0.500					
3	☐	5.000	4.324	6.67	0.0000	P	50.7
4	☐	50.000	44.317	47.78	0.0002	P	26.4
5	☐	125.000	122.814	127.78	0.0004	P	3.9
6	☐	250.000	253.932	256.67	0.0009	P	17.6
7	☐	500.000	547.085	567.80	0.0019	P	5.7
8	☐	1000.000	976.035	997.83	0.0035	P	1.7
9	☐			1.11	0.0000	P	173.

$$y = 3.5392\text{E-}006 * x + 8.2349\text{E-}006$$

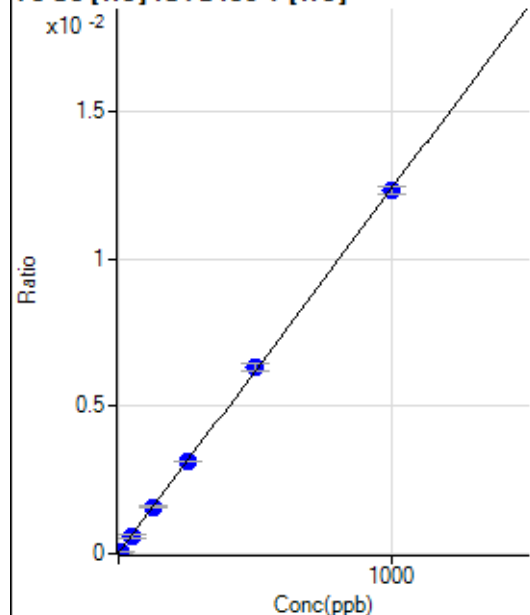
$$R = 0.9983$$

$$DL = 6.109$$

$$BEC = 2.327$$

Weight: <None>

Min Conc: 0

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

	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	6.17	0.0000	P	39.7
2	☐	0.500					
3	☐	5.000	4.163	20.99	0.0001	P	14.1
4	☐	50.000	46.209	171.61	0.0006	P	20.0
5	☐	125.000	126.621	457.42	0.0016	P	3.1
6	☐	250.000	250.403	881.52	0.0031	P	0.7
7	☐	500.000	511.519	1850.15	0.0063	P	3.8
8	☐	1000.000	994.131	3541.85	0.0123	P	2.2
9	☐			6.17	0.0000	P	45.0

$$y = 1.2341\text{E-}005 * x + 2.2672\text{E-}005$$

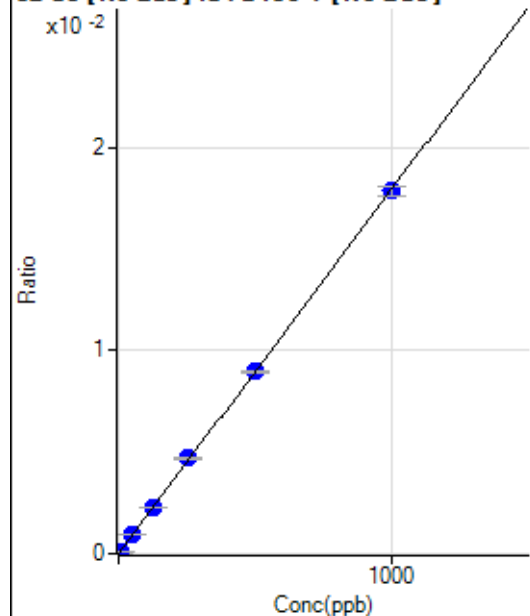
$$R = 0.9999$$

$$DL = 2.187$$

$$BEC = 1.837$$

Weight: <None>

Min Conc: 0

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

	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	-88.82	0.0000	P	-42.
2	☐	0.500					
3	☐	5.000	5.443	446.99	0.0001	P	20.6
4	☐	50.000	52.500	5021.52	0.0009	P	3.1
5	☐	125.000	128.074	12776.12	0.0023	P	0.5
6	☐	250.000	261.602	26219.68	0.0047	P	0.9
7	☐	500.000	500.555	53318.64	0.0090	P	1.3
8	☐	1000.000	996.311	105752.73	0.0179	P	2.6
9	☐			98.68	0.0000	P	111.

$$y = 1.7948\text{E-}005 * x - 1.6240\text{E-}005$$

$$R = 0.9999$$

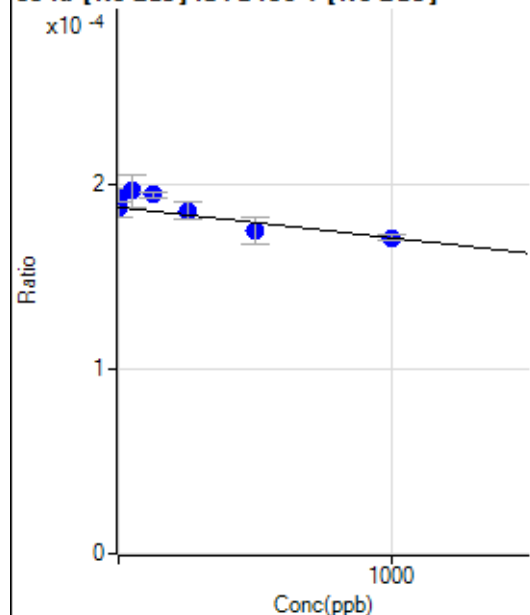
$$DL = 1.165$$

$$BEC = -0.9048$$

Weight: <None>

Min Conc: 0

83 Kr [No Gas] ISTD:89 Y [No Gas]



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	1026.72	0.0002	P	5.8
2	☐	0.100					
3	☐	1.000	-393.492	1063.39	0.0002	P	3.5
4	☐	50.000	-534.892	1063.39	0.0002	P	8.7
5	☐	125.000	-402.401	1085.62	0.0002	P	2.0
6	☐	250.000	113.690	1038.95	0.0002	P	4.7
7	☐	500.000	763.601	1038.95	0.0002	P	8.7
8	☐	1000.000	997.841	1011.16	0.0002	P	2.1
9	☐			1040.06	0.0002	P	4.9

$$y = -1.6520E-008 * x + 1.8728E-004$$

$$R = -0.8995$$

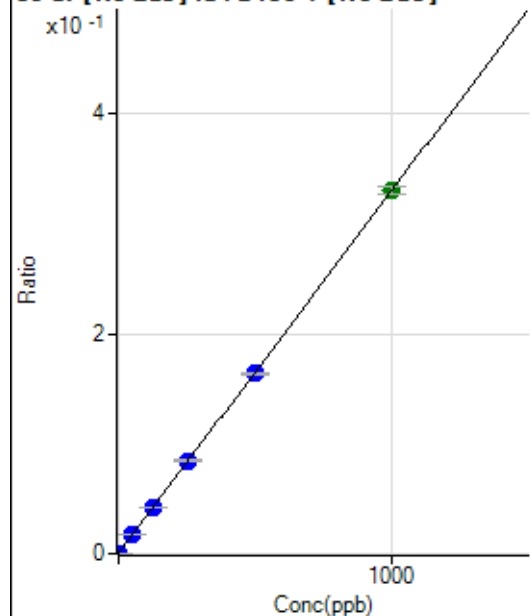
$$DL = -1987$$

$$BEC = -1.134E+04$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	1652.95	0.0003	P	4.7
2	☐	0.100					
3	☐	1.000	1.000	3464.48	0.0006	P	7.6
4	☐	50.000	51.597	93854.90	0.0173	P	1.8
5	☐	125.000	128.064	237967.98	0.0425	P	0.3
6	☐	250.000	256.270	475012.80	0.0848	P	0.8
7	☐	500.000	495.887	973578.21	0.1637	P	1.3
8	☐	1000.000	1000.026	1952990.93	0.3299	A	2.2
9	☐			10902.09	0.0019	P	2.8

$$y = 3.2960E-004 * x + 3.0152E-004$$

$$R = 1.0000$$

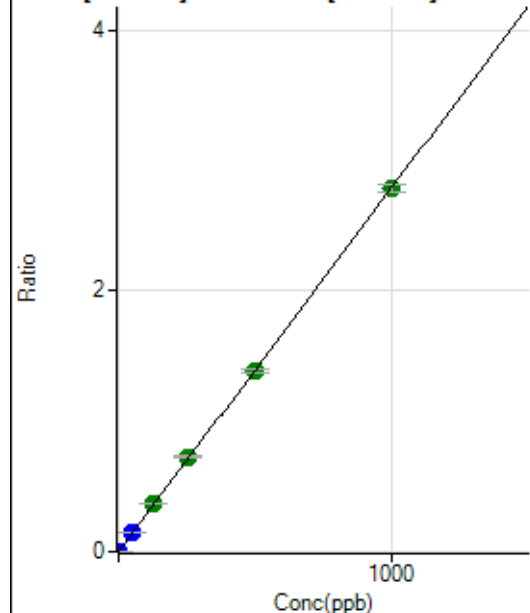
$$DL = 0.1277$$

$$BEC = 0.9148$$

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	88.89	0.0000	P	26.6
2	☐	0.100					
3	☐	1.000	1.042	16046.16	0.0029	P	1.7
4	☐	50.000	52.149	789097.73	0.1455	P	0.3
5	☐	125.000	131.404	2052369.27	0.3666	A	0.7
6	☐	250.000	261.131	4082739.16	0.7286	A	1.3
7	☐	500.000	497.759	8257508.60	1.3888	A	1.7
8	☐	1000.000	997.430	16474803.84	2.7829	A	2.0
9	☐			79786.13	0.0138	P	1.5

$$y = 0.0028 * x + 1.6199E-005$$

$$R = 0.9999$$

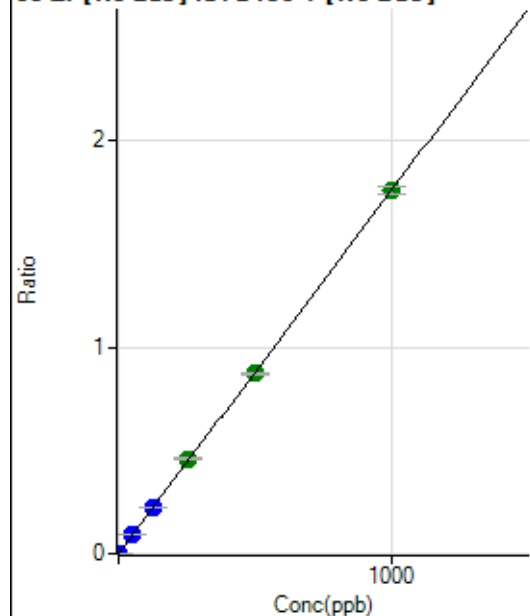
$$DL = 0.004632$$

$$BEC = 0.005806$$

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	477.81	0.0001	P	23.1
2	☐	0.100					
3	☐	1.000	1.044	10565.66	0.0019	P	4.1
4	☐	50.000	51.407	491250.40	0.0906	P	1.0
5	☐	125.000	127.797	1259903.48	0.2251	P	0.5
6	☐	250.000	261.620	2581531.31	0.4607	A	0.8
7	☐	500.000	496.436	5197278.24	0.8741	A	0.9
8	☐	1000.000	998.457	10406709.43	1.7579	A	2.0
9	☐			5445.80	0.0009	P	3.7

$$y = 0.0018 * x + 8.7173E-005$$

$$R = 0.9999$$

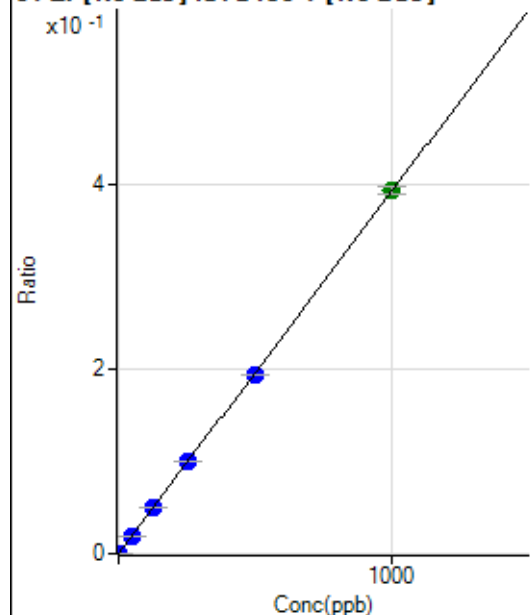
$$DL = 0.03437$$

$$BEC = 0.04952$$

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	105.56	0.0000	P	3.6
2	☐	0.100					
3	☐	1.000	1.016	2291.97	0.0004	P	5.2
4	☐	50.000	50.121	106764.61	0.0197	P	0.6
5	☐	125.000	125.758	276368.83	0.0494	P	0.6
6	☐	250.000	252.988	556454.73	0.0993	P	0.6
7	☐	500.000	494.482	1153953.25	0.1941	P	0.7
8	☐	1000.000	1001.911	2327698.88	0.3932	A	2.1
9	☐			1241.78	0.0002	P	15.9

$$y = 3.9243\text{E-}004 * x + 1.9248\text{E-}005$$

$$R = 1.0000$$

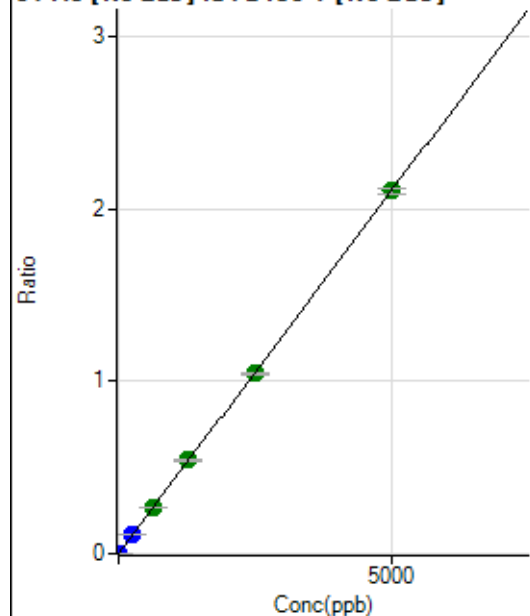
$$DL = 0.005339$$

$$BEC = 0.04905$$

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	216.68	0.0000	P	14.3
2	☐	0.500					
3	☐	5.000	5.267	12372.82	0.0023	P	1.5
4	☐	250.000	255.855	583917.37	0.1077	P	0.5
5	☐	625.000	642.882	1514153.93	0.2705	A	0.9
6	☐	1250.000	1290.192	3041817.21	0.5428	A	1.0
7	☐	2500.000	2478.423	6199836.69	1.0427	A	1.2
8	☐	5000.000	4998.212	12449341.51	2.1028	A	1.5
9	☐			15503.91	0.0027	P	1.8

$$y = 4.2070\text{E-}004 * x + 3.9552\text{E-}005$$

$$R = 0.9999$$

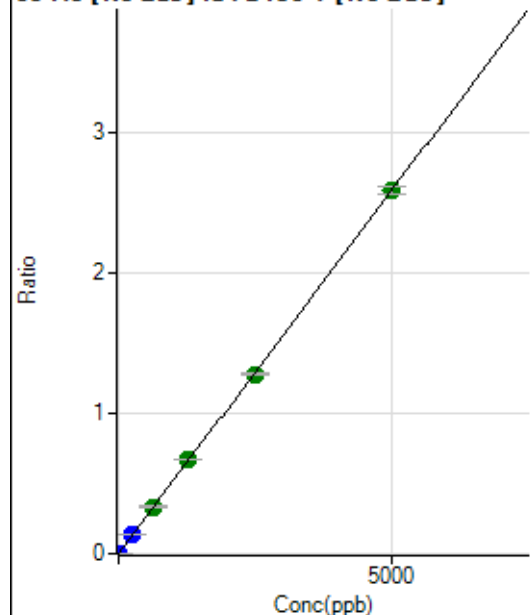
$$DL = 0.04044$$

$$BEC = 0.09401$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	47.22	0.0000	P	43.8
2	☐	0.500					
3	☐	5.000	5.071	14438.78	0.0026	P	0.9
4	☐	250.000	253.283	710541.49	0.1310	P	0.6
5	☐	625.000	648.588	1878073.35	0.3355	A	1.4
6	☐	1250.000	1293.395	3749313.41	0.6691	A	0.9
7	☐	2500.000	2474.908	7612053.82	1.2803	A	1.4
8	☐	5000.000	4998.584	15307146.18	2.5857	A	2.1
9	☐			23490.46	0.0041	P	0.5

$$y = 5.1729\text{E-}004 * x + 8.5900\text{E-}006$$

$$R = 0.9999$$

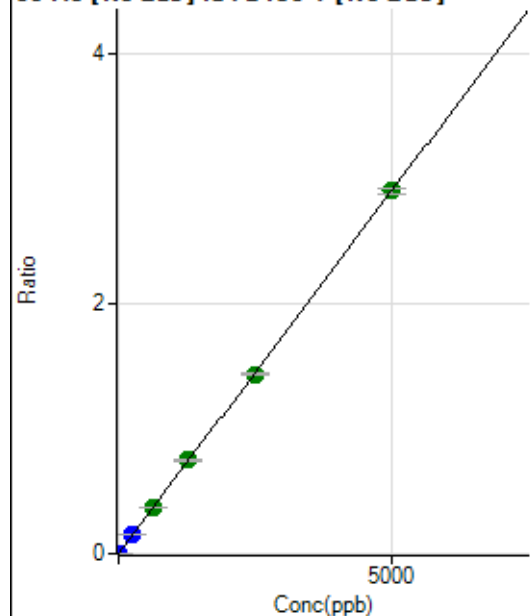
$$DL = 0.02182$$

$$BEC = 0.01661$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	105.56	0.0000	P	32.9
2	☐	0.500					
3	☐	5.000	4.989	16010.07	0.0029	P	1.3
4	☐	250.000	252.970	797170.59	0.1470	P	0.5
5	☐	625.000	638.924	2078170.30	0.3713	A	0.8
6	☐	1250.000	1286.478	4188885.12	0.7475	A	1.4
7	☐	2500.000	2471.270	8537913.13	1.4359	A	0.9
8	☐	5000.000	5003.357	17211095.87	2.9072	A	1.7
9	☐			27684.80	0.0048	P	1.5

$$y = 5.8104\text{E-}004 * x + 1.9288\text{E-}005$$

$$R = 0.9999$$

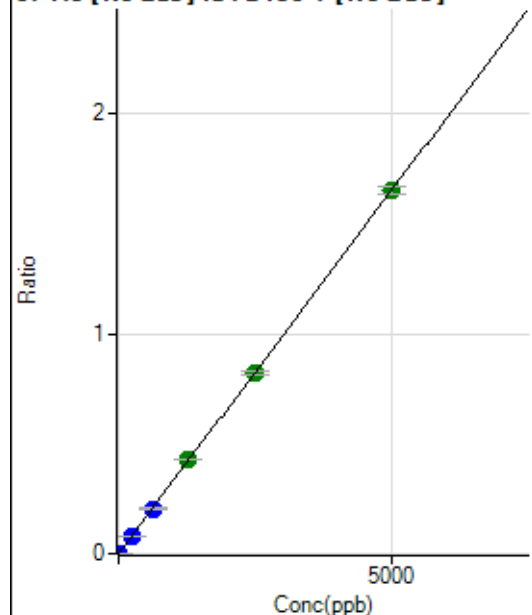
$$DL = 0.03271$$

$$BEC = 0.0332$$

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	83.34	0.0000	P	26.7
2	☐	0.500					
3	☐	5.000	5.147	9403.67	0.0017	P	4.2
4	☐	250.000	249.569	446734.69	0.0824	P	0.4
5	☐	625.000	621.264	1147840.85	0.2051	P	0.5
6	☐	1250.000	1292.629	2390770.13	0.4266	A	0.8
7	☐	2500.000	2487.796	4882004.10	0.8211	A	1.2
8	☐	5000.000	4995.933	9760834.25	1.6489	A	2.2
9	☐			14619.62	0.0025	P	1.0

$$y = 3.3004\text{E-}004 * x + 1.5210\text{E-}005$$

$$R = 1.0000$$

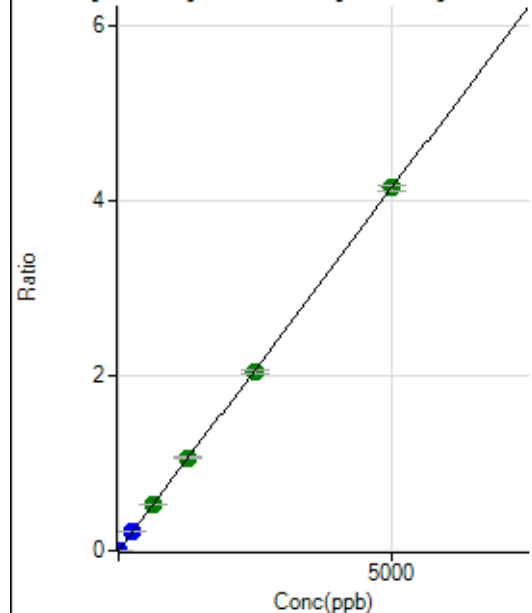
$$DL = 0.03691$$

$$BEC = 0.04608$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	94.45	0.0000	P	25.9
2	☐	0.500					
3	☐	5.000	5.048	23012.08	0.0042	P	2.0
4	☐	250.000	252.794	1134453.33	0.2092	P	0.2
5	☐	625.000	641.198	2970138.24	0.5306	A	0.5
6	☐	1250.000	1278.898	5930128.86	1.0583	A	1.8
7	☐	2500.000	2469.447	12149072.06	2.0435	A	1.9
8	☐	5000.000	5005.888	24523353.67	4.1424	A	1.8
9	☐			37990.56	0.0066	P	0.5

$$y = 8.2749\text{E-}004 * x + 1.7241\text{E-}005$$

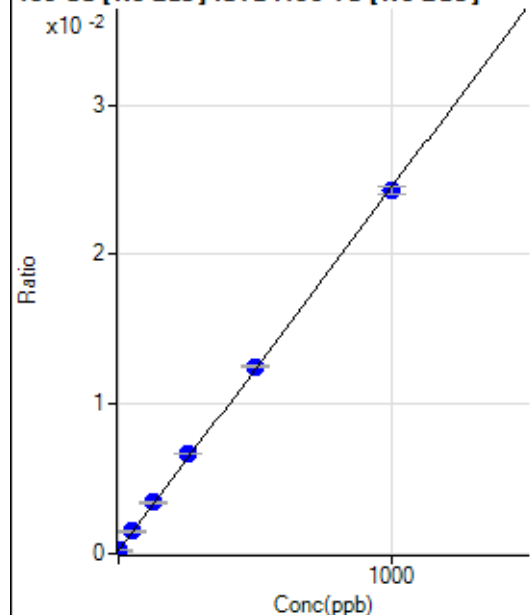
$$R = 1.0000$$

$$DL = 0.01619$$

$$BEC = 0.02084$$

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	1191.78	0.0002	P	3.6
2	☐	0.100					
3	☐	1.000	0.733	1308.46	0.0002	P	5.5
4	☐	50.000	53.329	9056.18	0.0015	P	2.9
5	☐	125.000	132.559	21835.16	0.0034	P	1.5
6	☐	250.000	268.358	43858.84	0.0067	P	1.0
7	☐	500.000	507.241	87508.46	0.0125	P	1.4
8	☐	1000.000	990.679	172326.65	0.0243	P	2.1
9	☐			1375.14	0.0002	P	3.2

$$y = 2.4293\text{E-}005 * x + 1.9489\text{E-}004$$

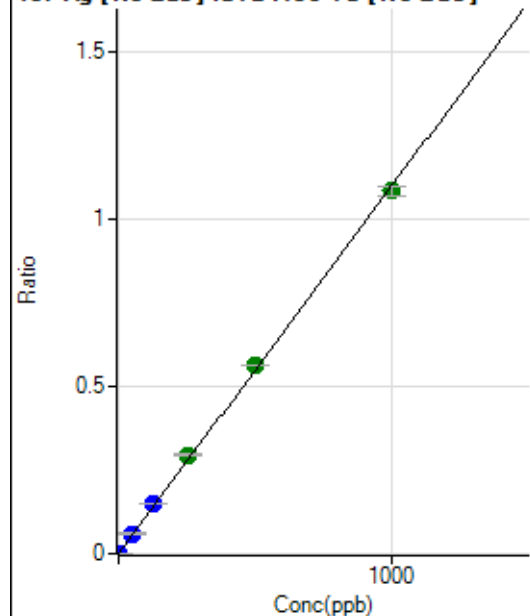
$$R = 0.9998$$

$$DL = 0.8568$$

$$BEC = 8.023$$

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	80.56	0.0000	P	6.2
2	☐	0.100					
3	☐	1.000	1.114	7588.55	0.0012	P	3.4
4	☐	50.000	54.833	365272.79	0.0601	P	1.5
5	☐	125.000	135.006	946351.35	0.1480	P	1.1
6	☐	250.000	269.458	1929639.47	0.2954	A	1.6
7	☐	500.000	512.270	3926029.51	0.5616	A	0.7
8	☐	1000.000	987.508	7688402.43	1.0825	A	2.6
9	☐			1113.98	0.0002	P	7.6

$$y = 0.0011 * x + 1.3173\text{E-}005$$

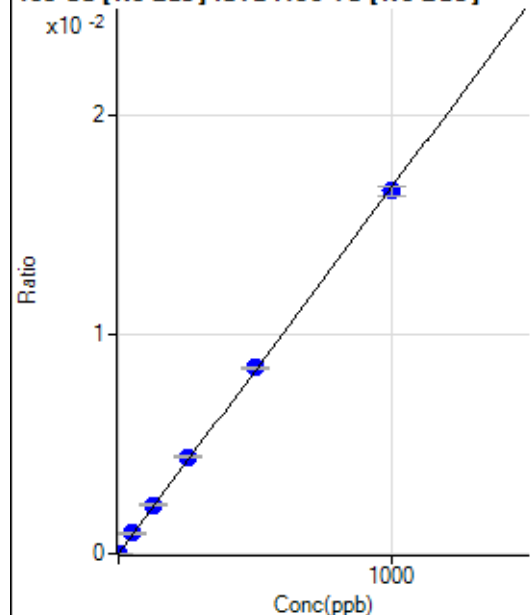
$$R = 0.9997$$

$$DL = 0.002231$$

$$BEC = 0.01202$$

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	13.89	0.0000	P	17.3
2	☐	0.100					
3	☐	1.000	0.904	106.95	0.0000	P	17.4
4	☐	50.000	55.482	5641.58	0.0009	P	3.9
5	☐	125.000	133.782	14295.36	0.0022	P	2.8
6	☐	250.000	263.793	28788.06	0.0044	P	1.8
7	☐	500.000	508.315	59353.80	0.0085	P	1.0
8	☐	1000.000	991.023	117537.32	0.0166	P	3.0
9	☐			36.11	0.0000	P	5.8

$$y = 1.6698\text{E-}005 * x + 2.2709\text{E-}006$$

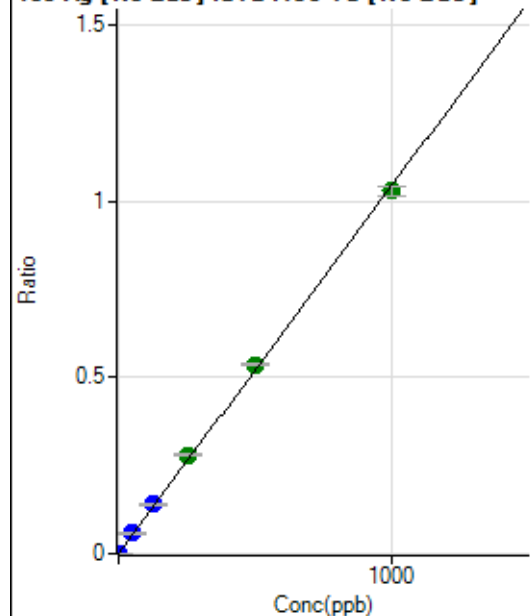
$$R = 0.9998$$

$$DL = 0.07052$$

$$BEC = 0.136$$

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	58.33	0.0000	P	36.9
2	☐	0.100					
3	☐	1.000	1.072	6938.23	0.0011	P	2.5
4	☐	50.000	55.107	349318.65	0.0575	P	1.1
5	☐	125.000	133.823	892652.57	0.1396	P	1.5
6	☐	250.000	268.728	1831350.95	0.2803	A	0.9
7	☐	500.000	514.727	3754055.99	0.5370	A	1.1
8	☐	1000.000	986.596	7310260.67	1.0292	A	2.3
9	☐			1000.09	0.0001	P	8.2

$$y = 0.0010 * x + 9.5090\text{E-}006$$

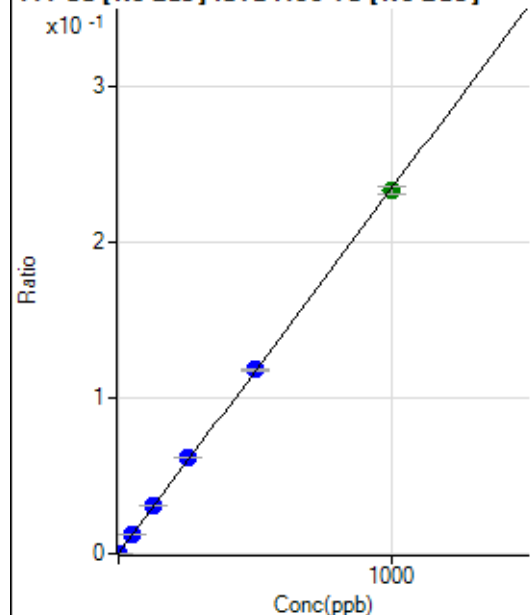
$$R = 0.9996$$

$$DL = 0.01009$$

$$BEC = 0.009115$$

Weight: <None>

Min Conc: 0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	828.68	0.0001	P	4.1
2	☐	0.100					
3	☐	1.000	1.086	2398.13	0.0004	P	5.3
4	☐	50.000	54.184	77951.40	0.0128	P	1.4
5	☐	125.000	132.595	199509.67	0.0312	P	1.0
6	☐	250.000	263.062	403511.29	0.0618	P	0.7
7	☐	500.000	503.506	825697.21	0.1181	P	0.8
8	☐	1000.000	993.823	1654839.31	0.2330	A	2.2
9	☐			1210.94	0.0002	P	3.5

$$y = 2.3430\text{E-}004 * x + 1.3552\text{E-}004$$

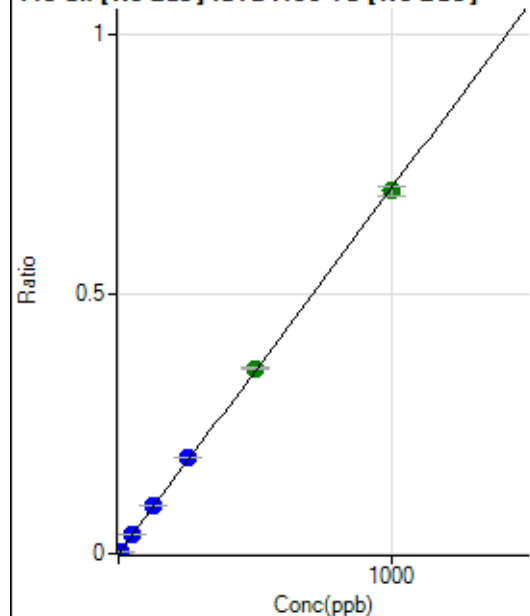
$$R = 0.9999$$

$$DL = 0.07138$$

$$BEC = 0.5784$$

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	316.68	0.0001	P	8.3
2	☐	0.500					
3	☐	5.000	5.244	23045.70	0.0037	P	1.3
4	☐	50.000	53.227	228255.01	0.0376	P	1.4
5	☐	125.000	132.203	596155.06	0.0932	P	1.3
6	☐	250.000	262.472	1208902.29	0.1851	P	1.0
7	☐	500.000	505.958	2493641.16	0.3567	A	1.0
8	☐	1000.000	992.840	4970695.77	0.6999	A	2.7
9	☐			8111.14	0.0012	P	2.5

$$y = 7.0487\text{E-}004 * x + 5.1740\text{E-}005$$

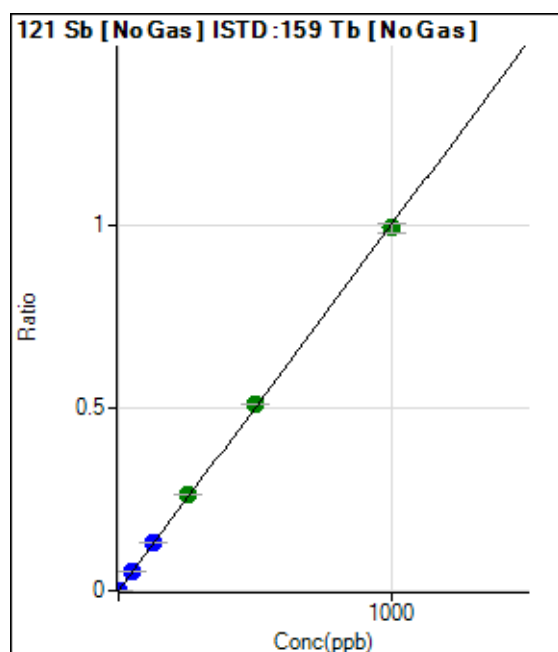
$$R = 0.9999$$

$$DL = 0.01829$$

$$BEC = 0.0734$$

Weight: <None>

Min Conc: 0



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	122.23	0.0000	P	5.0
2	☐	0.200					
3	☐	2.000	2.093	13048.59	0.0021	P	0.6
4	☐	50.000	53.003	323517.19	0.0533	P	1.4
5	☐	125.000	132.347	849942.23	0.1329	P	1.5
6	☐	250.000	264.004	1732125.64	0.2652	A	0.3
7	☐	500.000	508.886	3573159.80	0.5111	A	0.8
8	☐	1000.000	990.987	7068572.73	0.9953	A	2.7
9	☐			12103.29	0.0018	P	4.3

$$y = 0.0010 * x + 1.9991E-005$$

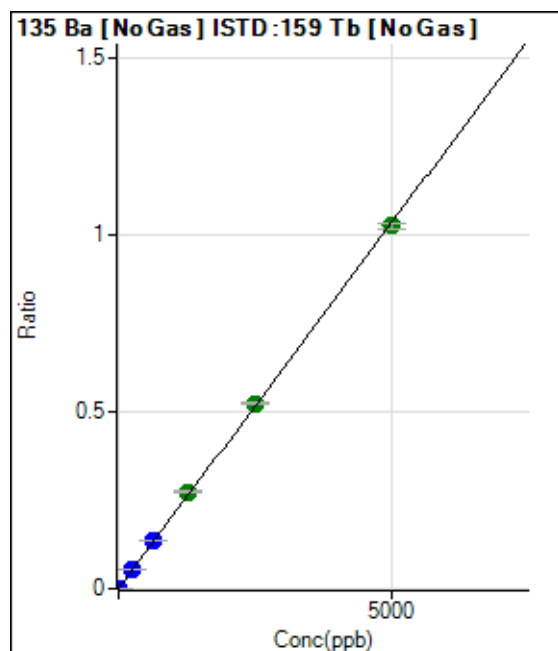
$$R = 0.9998$$

$$DL = 0.002987$$

$$BEC = 0.01991$$

Weight: <None>

Min Conc: 0



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	33.33	0.0000	P	75.0
2	☐	1.000					
3	☐	10.000	10.335	13162.66	0.0021	P	1.4
4	☐	250.000	265.237	332981.89	0.0548	P	0.4
5	☐	625.000	655.600	866038.72	0.1355	P	2.0
6	☐	1250.000	1325.130	1788535.41	0.2738	A	1.6
7	☐	2500.000	2534.029	3660360.80	0.5236	A	0.3
8	☐	5000.000	4959.615	7278747.99	1.0247	A	1.8
9	☐			1539.06	0.0002	P	1.4

$$y = 2.0661E-004 * x + 5.4314E-006$$

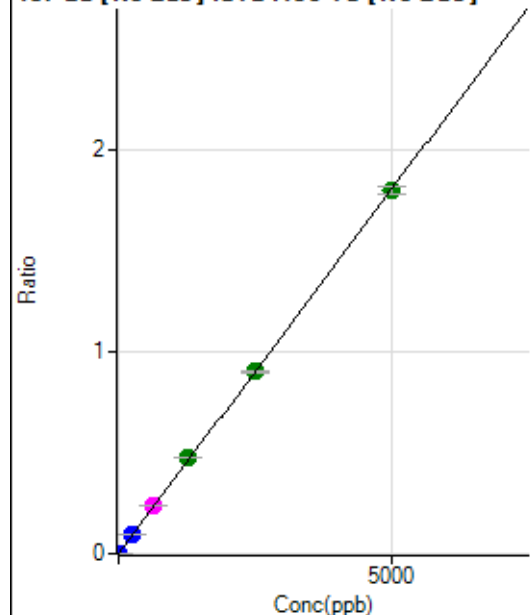
$$R = 0.9998$$

$$DL = 0.05918$$

$$BEC = 0.02629$$

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	44.45	0.0000	P	21.8
2	☐	1.000					
3	☐	10.000	10.494	23307.56	0.0038	P	0.8
4	☐	250.000	265.952	582561.89	0.0959	P	1.0
5	☐	625.000	656.028	1512123.11	0.2365	M	2.1
6	☐	1250.000	1319.664	3107927.15	0.4758	A	1.0
7	☐	2500.000	2495.064	6288781.22	0.8995	A	0.7
8	☐	5000.000	4980.375	12753141.17	1.7955	A	2.2
9	☐			2647.62	0.0004	P	6.5

$$y = 3.6052E-004 * x + 7.2682E-006$$

$$R = 0.9999$$

$$DL = 0.01316$$

$$BEC = 0.02016$$

Weight: <None>

Min Conc: 0

150 Nd [No Gas] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			13.33		P	50.0
2	☐						
3	☐			4.45		P	86.6
4	☐			17.78		P	21.7
5	☐			48.89		P	92.8
6	☐			86.67		P	35.2
7	☐			166.67		P	22.3
8	☐			326.68		P	19.5
9	☐			120.01		P	14.7

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	☐			0.00		P	
5	☐			0.00		P	
6	☐			4.44		P	43.4
7	☐			11.11		P	45.8
8	☐			16.67		P	52.9
9	☐			28.89		P	6.7

156 Dy [No Gas] No available calibration points

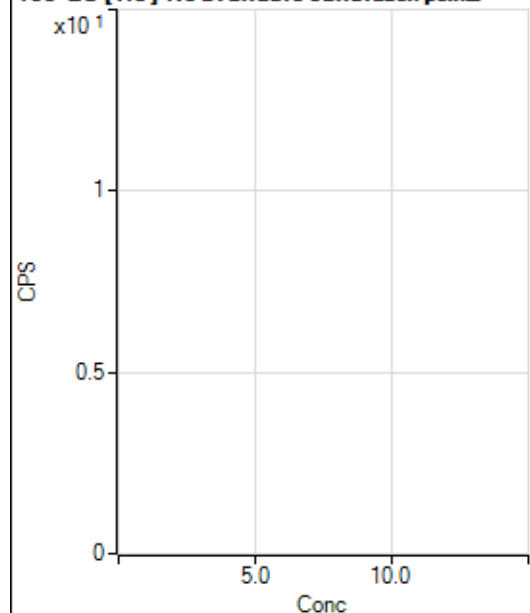
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			22.22		P	57.3
2	☐						
3	☐			16.67		P	50.0
4	☐			22.22		P	57.3
5	☐			33.34		P	66.1
6	☐			44.45		P	39.0
7	☐			66.67		P	12.5
8	☐			105.56		P	4.6
9	☐			119.45		P	14.5

156 Dy [He] No available calibration points

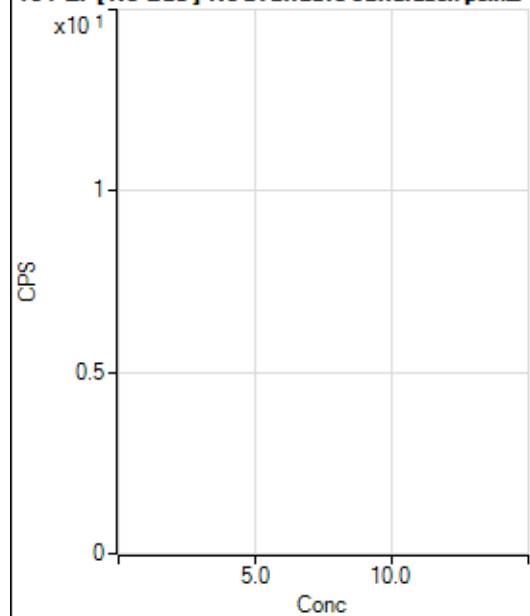
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			1.11		P	173.
2	☐						
3	☐			3.33		P	100.
4	☐			0.00		P	
5	☐			2.22		P	86.6
6	☐			1.11		P	173.
7	☐			4.44		P	114.
8	☐			7.78		P	89.2
9	☐			17.78		P	57.3

160 Gd [No Gas] Noavailable calibration poin_

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			44.44		P	60.3
2	☐						
3	☐			44.44		P	21.7
4	☐			38.89		P	44.6
5	☐			55.56		P	31.2
6	☐			66.67		P	57.3
7	☐			66.67		P	25.0
8	☐			75.00		P	22.2
9	☐			91.67		P	9.1

160 Gd [He] No available calibration points

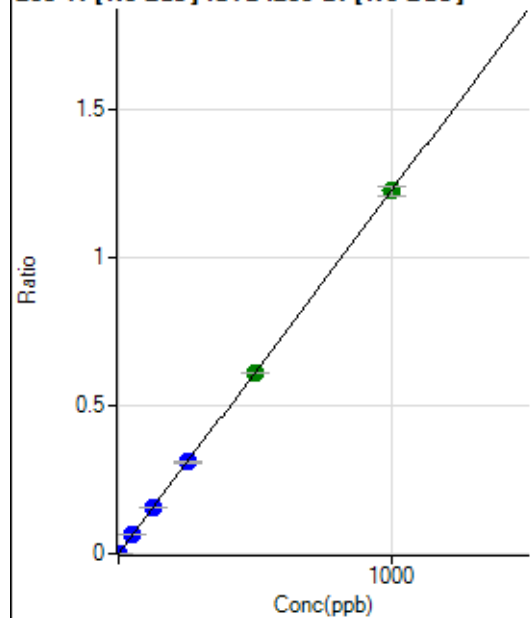
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			7.78		P	24.7
2	☐						
3	☐			17.78		P	10.8
4	☐			17.78		P	47.2
5	☐			8.89		P	57.3
6	☐			8.89		P	43.3
7	☐			20.00		P	44.1
8	☐			15.55		P	24.8
9	☐			24.44		P	61.5

164 Er [No Gas] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			30.56		P	31.5
2	☐						
3	☐			47.22		P	62.0
4	☐			30.55		P	15.7
5	☐			30.56		P	56.8
6	☐			41.67		P	20.0
7	☐			22.22		P	57.3
8	☐			36.11		P	35.3
9	☐			58.34		P	0.0

164 Er [He] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			11.11		P	45.8
2	☐						
3	☐			6.67		P	100.
4	☐			7.78		P	24.7
5	☐			7.78		P	65.5
6	☐			10.00		P	66.7
7	☐			4.44		P	43.4
8	☐			6.67		P	50.0
9	☐			16.67		P	NaN

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	52.78	0.0000	P	52.0
2	☐	0.100					
3	☐	1.000	1.028	4845.62	0.0013	P	0.7
4	☐	50.000	50.987	232982.10	0.0624	P	1.9
5	☐	125.000	125.984	615319.38	0.1542	P	1.0
6	☐	250.000	253.183	1270699.24	0.3099	P	1.4
7	☐	500.000	498.477	2694671.52	0.6101	A	0.8
8	☐	1000.000	999.794	5417010.58	1.2237	A	3.0
9	☐			2389.23	0.0006	P	7.0

$$y = 0.0012 * x + 1.3871E-005$$

$$R = 1.0000$$

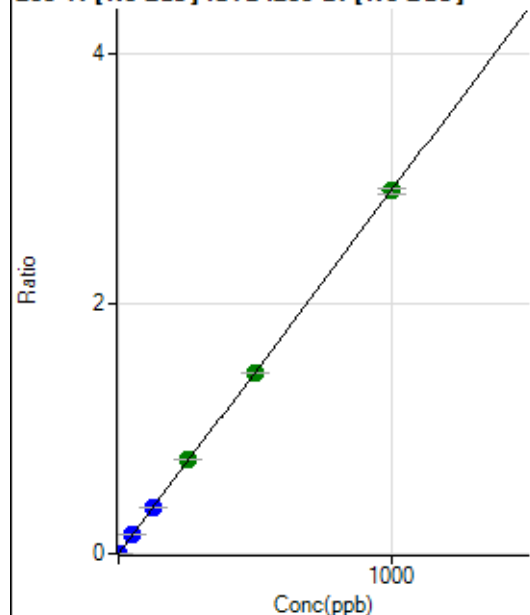
$$DL = 0.01768$$

$$BEC = 0.01133$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	150.01	0.0000	P	1.3
2	☐	0.100					
3	☐	1.000	0.999	11191.56	0.0029	P	2.8
4	☐	50.000	50.885	551366.70	0.1477	P	1.2
5	☐	125.000	127.140	1472447.79	0.3690	P	1.9
6	☐	250.000	258.941	3081596.25	0.7515	A	1.3
7	☐	500.000	497.539	6377317.20	1.4440	A	0.8
8	☐	1000.000	998.683	12831427.11	2.8984	A	1.9
9	☐			5351.40	0.0013	P	8.5

$$y = 0.0029 * x + 3.9284E-005$$

$$R = 1.0000$$

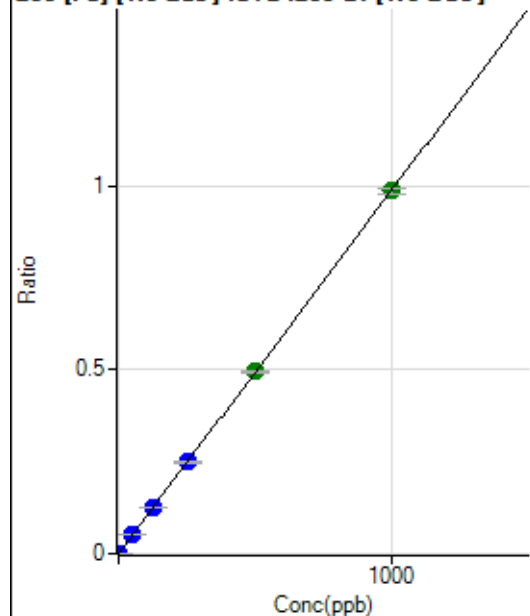
$$DL = 0.0005187$$

$$BEC = 0.01354$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	211.12	0.0001	P	7.2
2	☐	0.100					
3	☐	1.000	1.060	4204.52	0.0011	P	3.0
4	☐	50.000	50.826	187733.08	0.0503	P	0.4
5	☐	125.000	125.927	496888.91	0.1245	P	1.1
6	☐	250.000	252.113	1022148.22	0.2493	P	0.5
7	☐	500.000	500.433	2184902.71	0.4947	A	1.9
8	☐	1000.000	999.098	4372279.17	0.9876	A	1.9
9	☐			6796.48	0.0017	P	1.5

$$y = 9.8846E-004 * x + 5.5292E-005$$

$$R = 1.0000$$

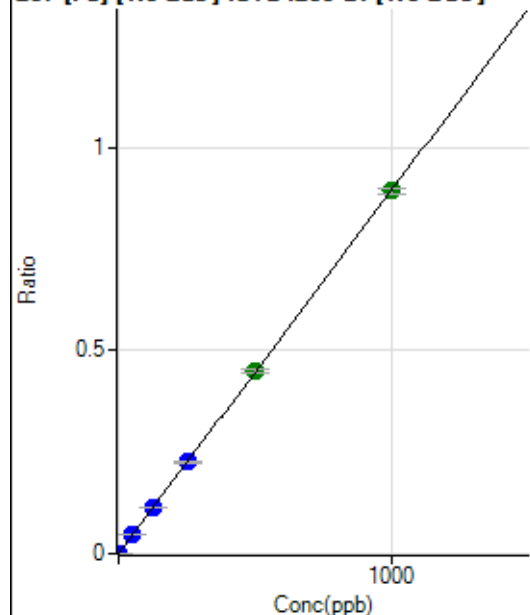
$$DL = 0.0121$$

$$BEC = 0.05594$$

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	198.16	0.0001	P	8.3
2	☐	0.100					
3	☐	1.000	0.999	3602.47	0.0009	P	4.0
4	☐	50.000	50.762	169672.23	0.0455	P	1.2
5	☐	125.000	125.194	446999.81	0.1120	P	1.0
6	☐	250.000	251.884	923998.73	0.2253	P	1.1
7	☐	500.000	501.958	1983058.00	0.4490	A	1.4
8	☐	1000.000	998.488	3954122.74	0.8931	A	1.4
9	☐			6010.88	0.0015	P	4.2

$$y = 8.9442\text{E-}004 * x + 5.1924\text{E-}005$$

$$R = 1.0000$$

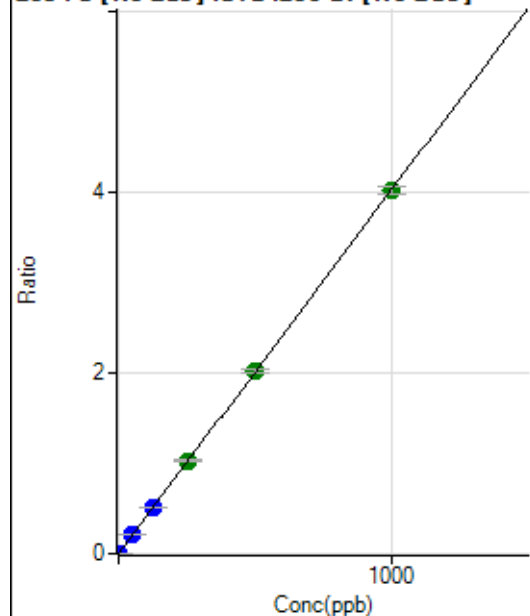
$$DL = 0.01446$$

$$BEC = 0.05805$$

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	881.52	0.0002	P	11.2
2	☐	0.100					
3	☐	1.000	1.028	16623.28	0.0044	P	1.3
4	☐	50.000	50.800	762804.35	0.2044	P	0.2
5	☐	125.000	126.075	2022289.44	0.5068	P	1.0
6	☐	250.000	255.693	4213885.66	1.0277	A	1.1
7	☐	500.000	502.033	8910283.50	2.0175	A	1.3
8	☐	1000.000	997.386	17743125.39	4.0079	A	2.0
9	☐			27319.80	0.0067	P	1.2

$$y = 0.0040 * x + 2.3100\text{E-}004$$

$$R = 1.0000$$

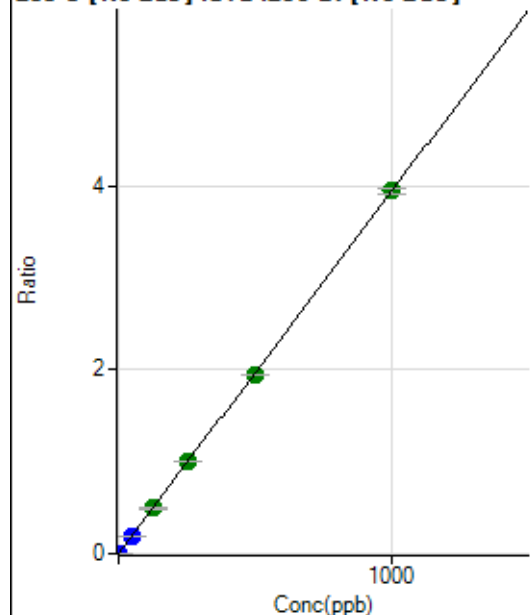
$$DL = 0.0193$$

$$BEC = 0.05749$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	33.33	0.0000	P	49.2
2	☐	0.100					
3	☐	1.000	0.996	14984.72	0.0039	P	0.3
4	☐	50.000	49.433	726551.28	0.1947	P	1.5
5	☐	125.000	125.606	1973374.91	0.4946	A	2.0
6	☐	250.000	255.377	4123154.30	1.0056	A	1.3
7	☐	500.000	493.815	8587606.70	1.9445	A	0.7
8	☐	1000.000	1001.701	17461821.92	3.9443	A	1.8
9	☐			3044.96	0.0007	P	6.8

$$y = 0.0039 * x + 8.7127E-006$$

$$R = 1.0000$$

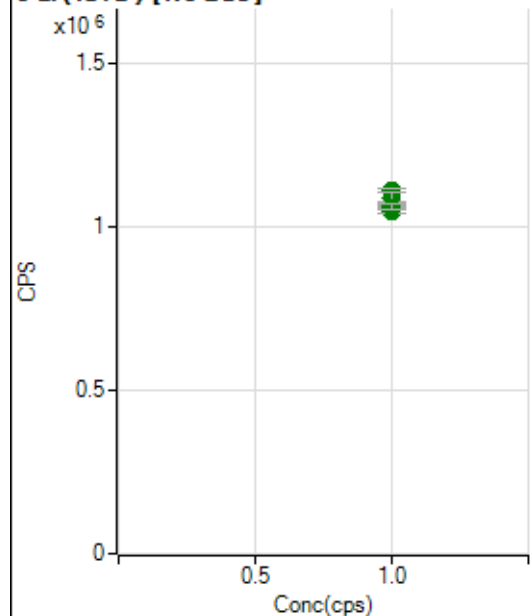
$$DL = 0.003266$$

$$BEC = 0.002213$$

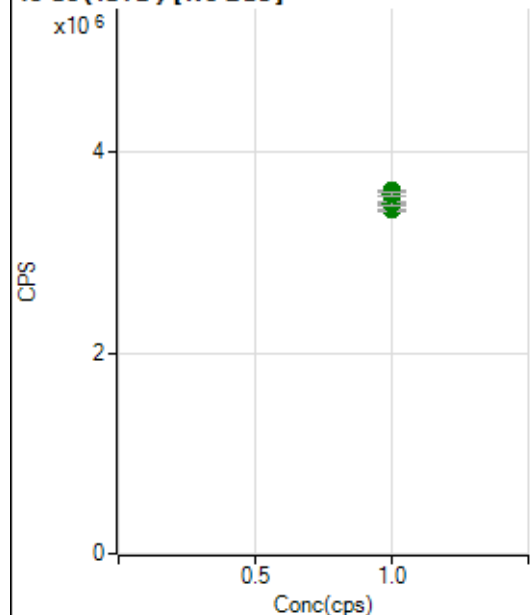
Weight: <None>

Min Conc: 0

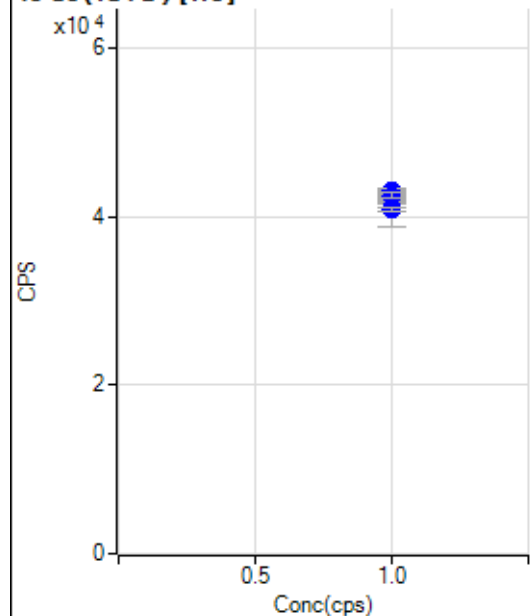
6 Li (ISTD) [No Gas]



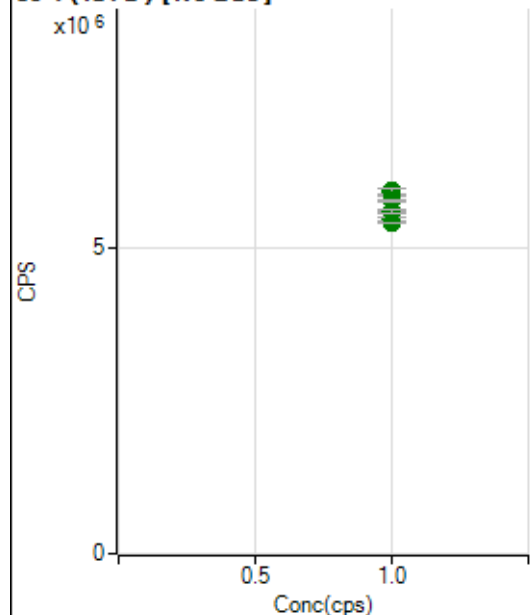
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		1050292.36		A	1.6
2	☐	1.000					
3	☐	1.000		1065755.91		A	0.6
4	☐	1.000		1049552.48		A	2.0
5	☐	1.000		1074415.46		A	0.1
6	☐	1.000		1062783.74		A	1.1
7	☐	1.000		1110213.49		A	0.9
8	☐	1.000		1089641.37		A	2.5
9	☐	1.000		1061634.44		A	1.8

45 Sc (ISTD) [No Gas]

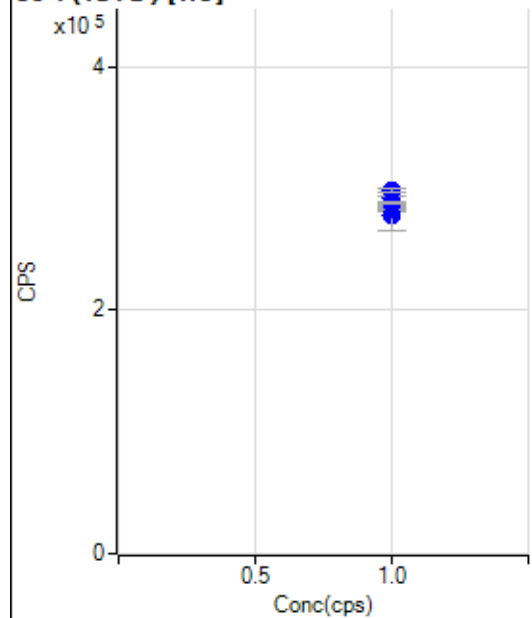
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		3495559.54		A	0.9
2	☐	1.000					
3	☐	1.000		3487303.12		A	1.0
4	☐	1.000		3424173.99		A	0.7
5	☐	1.000		3502304.94		A	0.5
6	☐	1.000		3481005.63		A	1.1
7	☐	1.000		3617457.63		A	0.2
8	☐	1.000		3595329.51		A	1.3
9	☐	1.000		3589248.48		A	0.9

45 Sc (ISTD) [He]

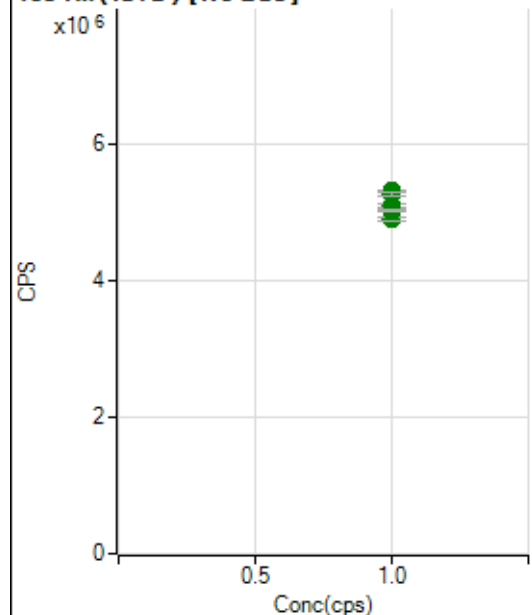
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		40794.10		P	9.7
2	☐	1.000					
3	☐	1.000		42063.99		P	2.4
4	☐	1.000		42078.46		P	0.8
5	☐	1.000		41788.78		P	0.8
6	☐	1.000		40858.34		P	0.9
7	☐	1.000		42719.33		P	1.3
8	☐	1.000		43010.25		P	1.4
9	☐	1.000		42498.78		P	1.3

89 Y (ISTD) [No Gas]

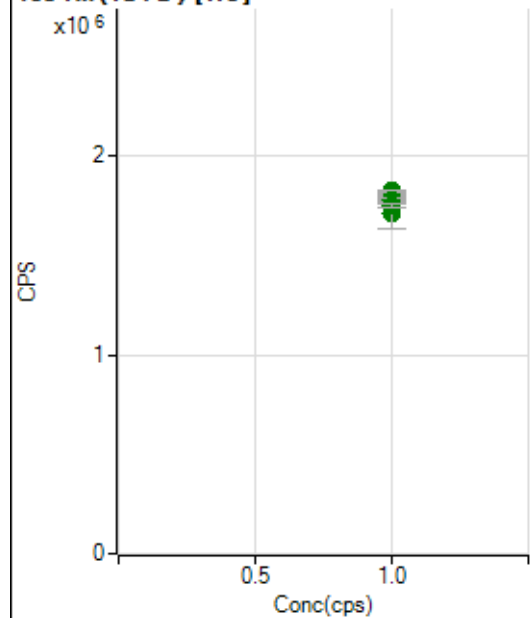
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		5483246.58		A	1.0
2	☐	1.000					
3	☐	1.000		5486380.06		A	0.9
4	☐	1.000		5422757.49		A	0.3
5	☐	1.000		5597712.28		A	0.4
6	☐	1.000		5603952.49		A	1.0
7	☐	1.000		5946515.67		A	1.6
8	☐	1.000		5921789.01		A	2.4
9	☐	1.000		5791430.19		A	0.4

89 Y (ISTD) [He]

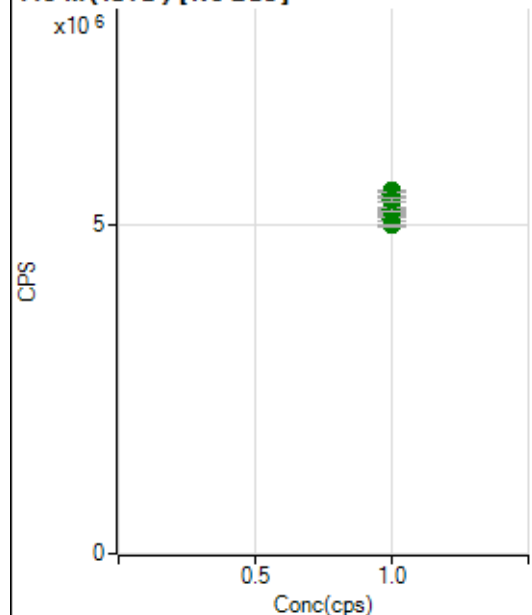
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		277337.24		P	9.0
2	☐	1.000					
3	☐	1.000		283605.92		P	1.2
4	☐	1.000		289389.99		P	0.4
5	☐	1.000		288512.67		P	0.4
6	☐	1.000		283176.83		P	0.5
7	☐	1.000		292151.36		P	1.6
8	☐	1.000		288177.77		P	0.9
9	☐	1.000		298090.36		P	1.1

103 Rh (ISTD) [No Gas]

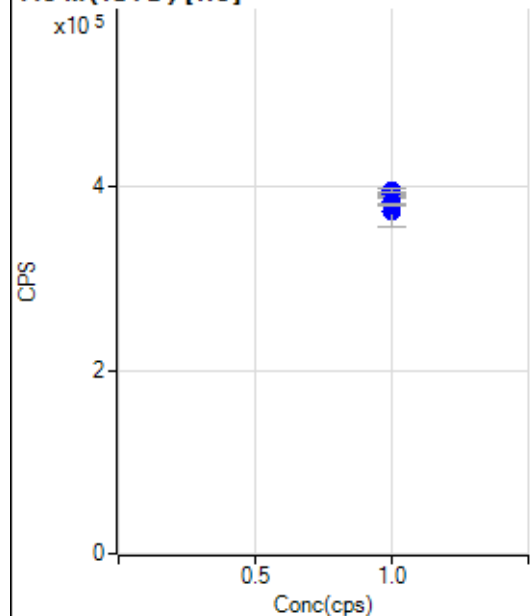
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		5034826.54		A	0.9
2	☐	1.000					
3	☐	1.000		5099382.84		A	1.4
4	☐	1.000		4918593.38		A	1.1
5	☐	1.000		5070331.32		A	0.1
6	☐	1.000		5029786.57		A	0.7
7	☐	1.000		5325249.55		A	0.6
8	☐	1.000		5275476.12		A	1.5
9	☐	1.000		5042837.00		A	0.9

103 Rh (ISTD) [He]

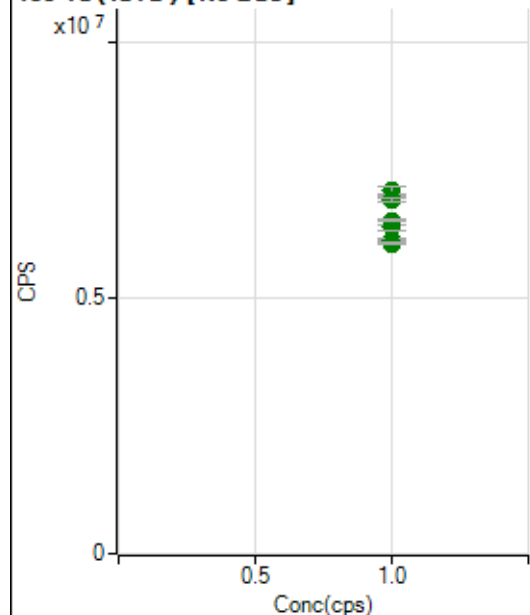
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		1715723.69		A	9.6
2	☐	1.000					
3	☐	1.000		1769083.30		A	1.6
4	☐	1.000		1786648.33		A	1.0
5	☐	1.000		1792655.03		A	1.2
6	☐	1.000		1764260.60		A	0.8
7	☐	1.000		1824477.54		A	0.8
8	☐	1.000		1780942.84		A	0.7
9	☐	1.000		1749245.42		A	1.2

115 In (ISTD) [No Gas]

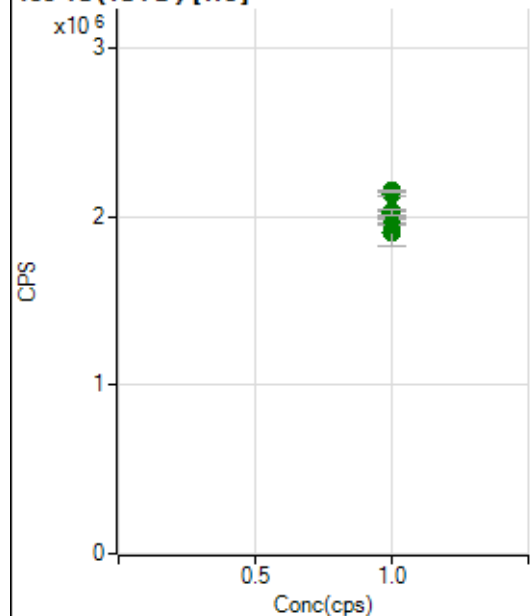
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		5089143.64		A	0.6
2	☐	1.000					
3	☐	1.000		5140941.72		A	0.5
4	☐	1.000		4992398.28		A	0.7
5	☐	1.000		5218808.87		A	1.1
6	☐	1.000		5231556.10		A	1.2
7	☐	1.000		5519216.74		A	0.6
8	☐	1.000		5460081.40		A	1.0
9	☐	1.000		5380202.72		A	1.1

115 In (ISTD) [He]

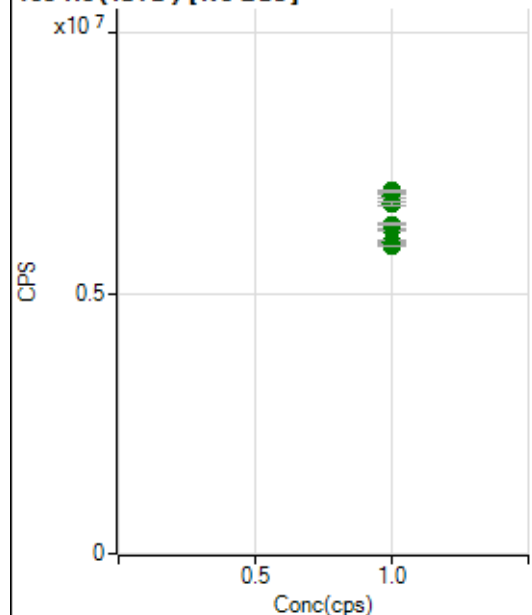
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		373844.86		P	9.4
2	☐	1.000					
3	☐	1.000		384446.82		P	1.4
4	☐	1.000		389820.42		P	0.3
5	☐	1.000		392235.87		P	0.5
6	☐	1.000		381219.46		P	0.7
7	☐	1.000		391853.58		P	1.3
8	☐	1.000		380418.17		P	0.8
9	☐	1.000		395836.53		P	1.0

159 Tb (ISTD) [No Gas]

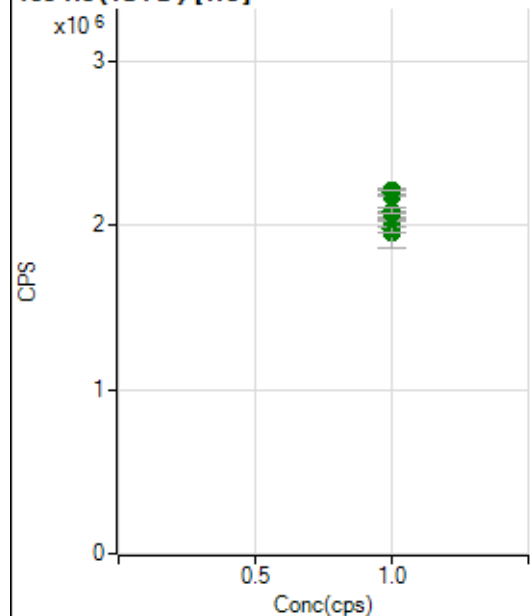
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		6116587.06		A	1.2
2	☐	1.000					
3	☐	1.000		6148777.55		A	1.2
4	☐	1.000		6075673.66		A	0.6
5	☐	1.000		6394650.32		A	1.6
6	☐	1.000		6532404.90		A	0.1
7	☐	1.000		6991270.73		A	0.4
8	☐	1.000		7105108.92		A	2.3
9	☐	1.000		6914200.24		A	1.1

159 Tb (ISTD) [He]

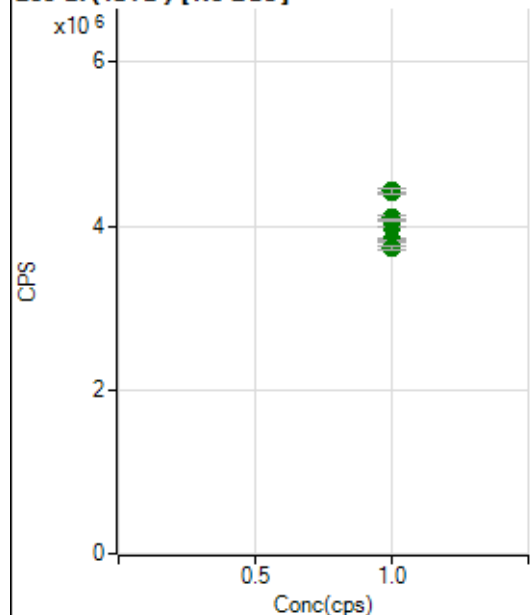
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		1909227.45		A	9.2
2	☐	1.000					
3	☐	1.000		1953535.44		A	0.6
4	☐	1.000		1986977.35		A	0.6
5	☐	1.000		2015384.29		A	1.9
6	☐	1.000		2027848.13		A	1.8
7	☐	1.000		2132872.05		A	0.9
8	☐	1.000		2133539.67		A	0.8
9	☐	1.000		2153722.54		A	0.3

165 Ho (ISTD) [No Gas]

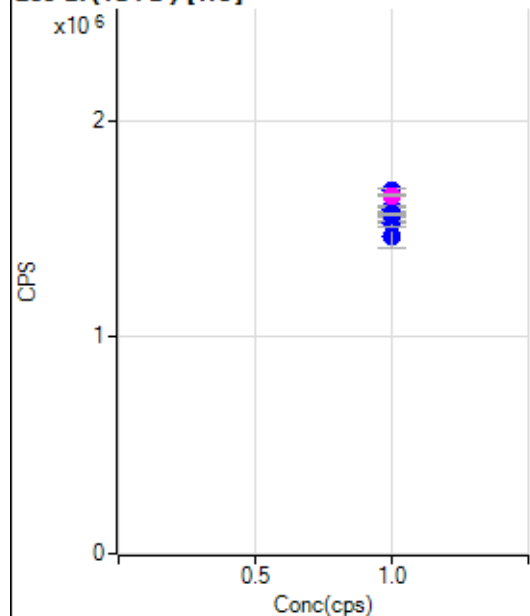
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		5956328.60		A	0.6
2	☐	1.000					
3	☐	1.000		5964925.13		A	1.3
4	☐	1.000		5904394.62		A	0.3
5	☐	1.000		6235664.68		A	0.7
6	☐	1.000		6325487.08		A	0.7
7	☐	1.000		6871608.57		A	0.8
8	☐	1.000		6966995.99		A	0.8
9	☐	1.000		6729379.92		A	1.1

165 Ho (ISTD) [He]

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		1955846.91		A	9.6
2	☐	1.000					
3	☐	1.000		1979597.66		A	1.9
4	☐	1.000		2038362.43		A	0.6
5	☐	1.000		2080780.51		A	1.1
6	☐	1.000		2091969.92		A	1.4
7	☐	1.000		2206363.94		A	1.7
8	☐	1.000		2185754.19		A	0.3
9	☐	1.000		2212266.98		A	0.1

209 Bi (ISTD) [No Gas]

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		3818991.12		A	1.3
2	☐	1.000					
3	☐	1.000		3810576.89		A	0.6
4	☐	1.000		3732741.54		A	0.9
5	☐	1.000		3990127.48		A	0.6
6	☐	1.000		4100805.88		A	1.6
7	☐	1.000		4416436.60		A	0.1
8	☐	1.000		4428009.52		A	1.8
9	☐	1.000		4071425.84		A	0.9

209 Bi (ISTD) [He]

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		1469705.15		P	8.2
2	☐	1.000					
3	☐	1.000		1524192.67		P	1.7
4	☐	1.000		1562007.17		P	0.6
5	☐	1.000		1588415.67		P	1.3
6	☐	1.000		1600783.57		P	0.8
7	☐	1.000		1675882.04		P	1.3
8	☐	1.000		1654603.35		M	0.4
9	☐	1.000		1571810.46		P	0.6