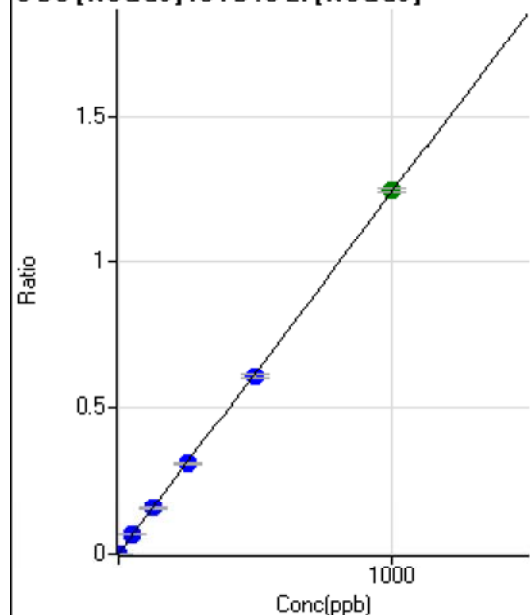


Batch Folder: D:\P811118-MS.b\
Analysis File: P811118-MS.batch.bin
DA Date-Time: 2018-11-15 00:27:24
Calibration Title:
Calibration Method: External Calibration
VIS Interpolation Fit:

Level	Standard Data File	Sample Name	Acq. Date-Time
1	003CALB.d	S00	2018-11-14 12:49:22
2			
3	005CALS.d	S02	2018-11-14 12:56:38
4	006CALS.d	S03	2018-11-14 13:00:26
5	007CALS.d	S04	2018-11-14 13:04:14
6	008CALS.d	S05	2018-11-14 13:07:55
7	009CALS.d	S06	2018-11-14 13:11:30
8	010CALS.d	S07	2018-11-14 13:14:58
9	011CALS.d	S08	2018-11-14 13:18:21

9 Be [NoGas] ISTD:6 Li [NoGas]

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	81.48	0.0001	P	21.6
2	☐	0.100					
3	☐	1.000	0.999	1255.65	0.0013	P	5.0
4	☐	50.000	50.810	60508.87	0.0630	P	1.0
5	☐	125.000	125.399	149544.67	0.1555	P	1.3
6	☐	250.000	248.690	307538.05	0.3082	P	2.0
7	☐	500.000	490.929	609931.69	0.6083	P	2.1
8	☐	1000.000	1004.772	1202575.45	1.2450	A	1.0
9	☐			348.16	0.0004	P	7.9

$$y = 0.0012 * x + 8.4740E-005$$

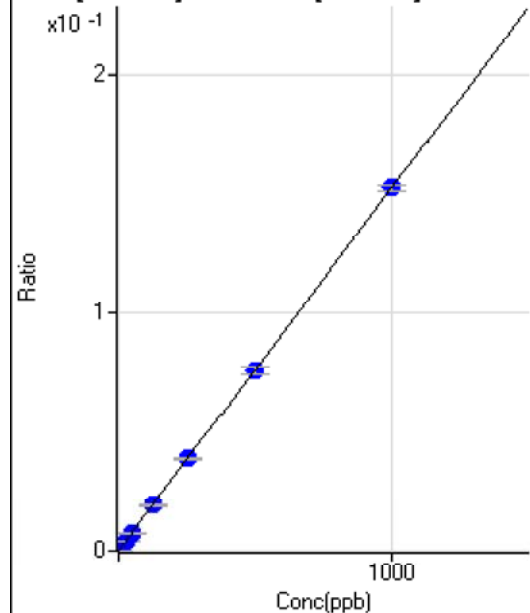
$$R = 0.9999$$

$$DL = 0.04423$$

$$BEC = 0.06839$$

Weight: <None>

Min Conc: 0

10 B [NoGas] ISTD:6 Li [NoGas]

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	58.34	0.0001	P	29.1
2	☐	2.500					
3	☐	25.000	25.523	3742.32	0.0039	P	4.7
4	☐	50.000	48.846	7193.79	0.0075	P	4.6
5	☐	125.000	125.247	18401.48	0.0191	P	2.8
6	☐	250.000	252.616	38410.77	0.0385	P	2.6
7	☐	500.000	498.270	76054.96	0.0759	P	3.8
8	☐	1000.000	1000.225	147064.58	0.1522	P	1.4
9	☐			2519.78	0.0025	P	10.4

$$y = 1.5214E-004 * x + 6.0744E-005$$

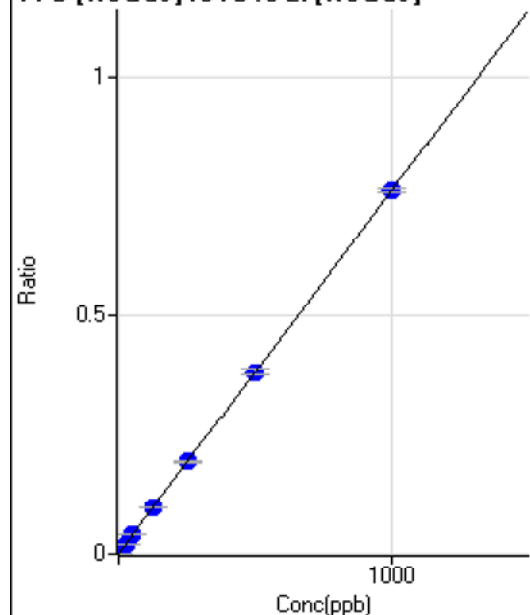
$$R = 1.0000$$

$$DL = 0.3485$$

$$BEC = 0.3993$$

Weight: <None>

Min Conc: 0

11 B [NoGas] ISTD: 6 Li [NoGas]

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	336.13	0.0004	P	16.7
2	☐	2.500					
3	☐	25.000	26.006	19132.86	0.0202	P	1.7
4	☐	50.000	51.152	37731.15	0.0393	P	1.3
5	☐	125.000	126.811	93244.17	0.0969	P	2.2
6	☐	250.000	252.460	192251.84	0.1926	P	0.9
7	☐	500.000	498.607	381032.77	0.3801	P	3.4
8	☐	1000.000	999.772	735815.79	0.7618	P	1.0
9	☐			12269.61	0.0124	P	6.3

$$y = 7.6161\text{E-}004 * x + 3.5015\text{E-}004$$

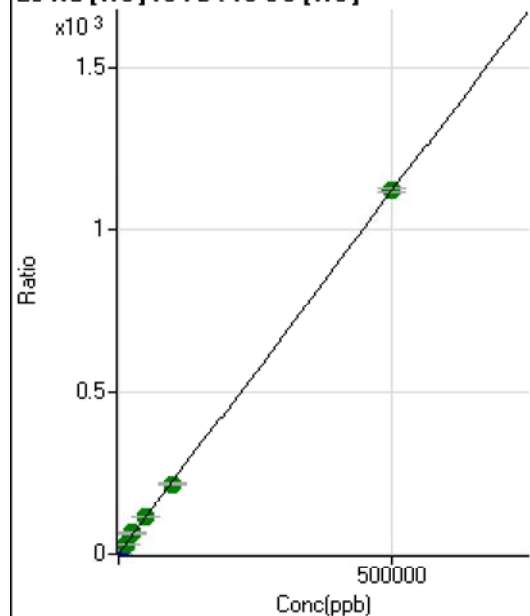
$$R = 1.0000$$

$$DL = 0.2303$$

$$BEC = 0.4598$$

Weight: <None>

Min Conc: 0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	7657.96	0.1862	P	3.8
2	☐	50.000					
3	☐	500.000	516.518	54441.16	1.3408	P	2.2
4	☐	5000.000	5209.057	471775.04	11.8296	P	1.2
5	☐	12500.000	13228.679	1171909.84	29.7553	A	0.9
6	☐	25000.000	27807.905	2336319.48	62.3431	A	7.9
7	☐	50000.000	49941.762	4501856.61	111.8171	A	0.7
8	☐	100000.00	96442.476	8678601.67	215.7565	A	1.3
9	☐	500000.00	500556.60	45294029.49	1,119.040	A	1.1

$$y = 0.0022 * x + 0.1862$$

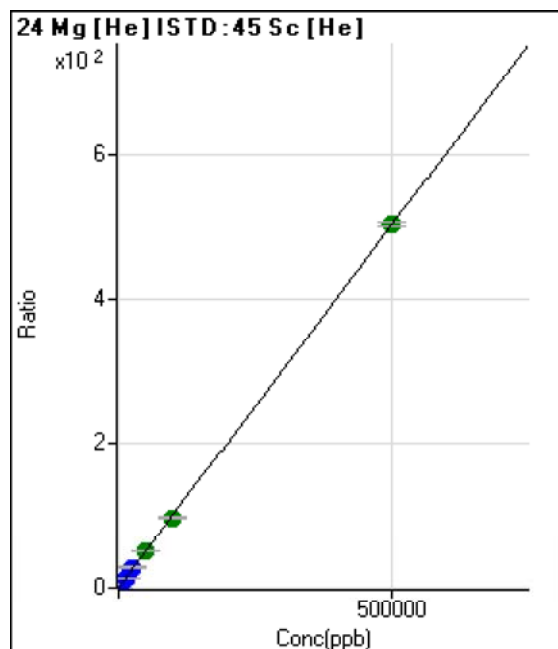
$$R = 0.9999$$

$$DL = 9.573$$

$$BEC = 83.32$$

Weight: <None>

Min Conc: 0



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	202.79	0.0049	P	19.2
2	☐	50.000					
3	☐	500.000	511.755	21047.01	0.5184	P	2.1
4	☐	5000.000	5181.841	207543.22	5.2042	P	1.4
5	☐	12500.000	13048.040	515826.88	13.0969	P	0.9
6	☐	25000.000	27415.026	1031240.78	27.5122	P	7.5
7	☐	50000.000	50396.949	2035997.64	50.5714	A	0.9
8	☐	100000.00	96607.788	3898911.41	96.9376	A	2.0
9	☐	500000.00	500502.46	20326626.84	502.1906	A	1.0

$$y = 0.0010 * x + 0.0049$$

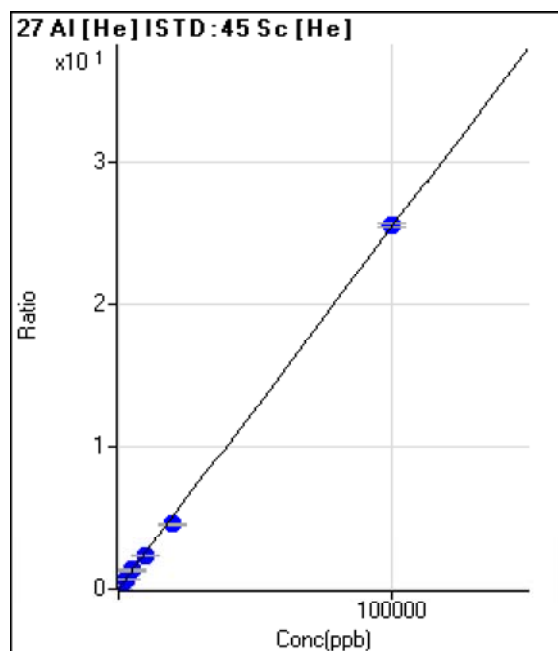
$$R = 1.0000$$

$$DL = 2.841$$

$$BEC = 4.93$$

Weight: <None>

Min Conc: 0



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	32.51	0.0008	P	43.3
2	☐	2.000					
3	☐	20.000	20.327	241.73	0.0059	P	16.5
4	☐	1000.000	968.696	9820.95	0.2462	P	0.7
5	☐	2500.000	2451.013	24489.73	0.6218	P	1.8
6	☐	5000.000	5095.090	48409.75	1.2918	P	7.9
7	☐	10000.000	9277.985	94682.54	2.3516	P	0.6
8	☐	20000.000	18023.215	183699.82	4.5675	P	2.1
9	☐	100000.00	100464.34	1030363.45	25.4563	P	1.1

$$y = 2.5338E-004 * x + 7.9579E-004$$

$$R = 0.9998$$

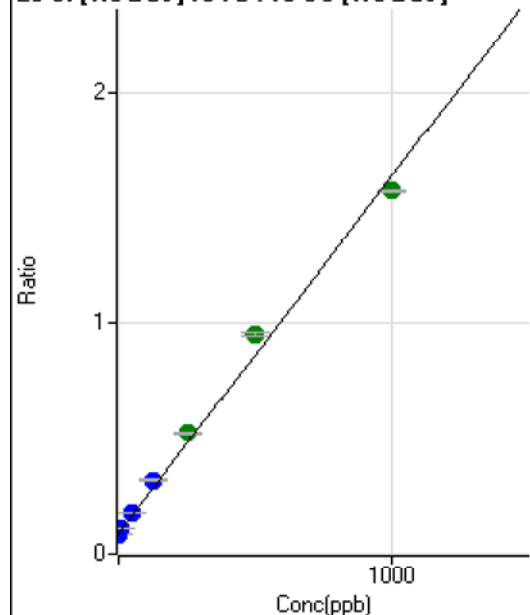
$$DL = 4.078$$

$$BEC = 3.141$$

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	253386.42	0.0862	P	0.3
2	☐	1.000					
3	☐	10.000	14.290	314062.56	0.1083	P	0.8
4	☐	50.000	58.285	518086.20	0.1763	P	1.5
5	☐	125.000	151.233	937584.54	0.3200	P	0.6
6	☐	250.000	280.504	1572659.72	0.5198	A	2.2
7	☐	500.000	558.884	2889762.07	0.9502	A	2.0
8	☐	1000.000	959.196	4617600.84	1.5691	A	0.2
9	☐			655544.63	0.2154	P	3.4

$$y = 0.0015 * x + 0.0862$$

$$R = 0.9967$$

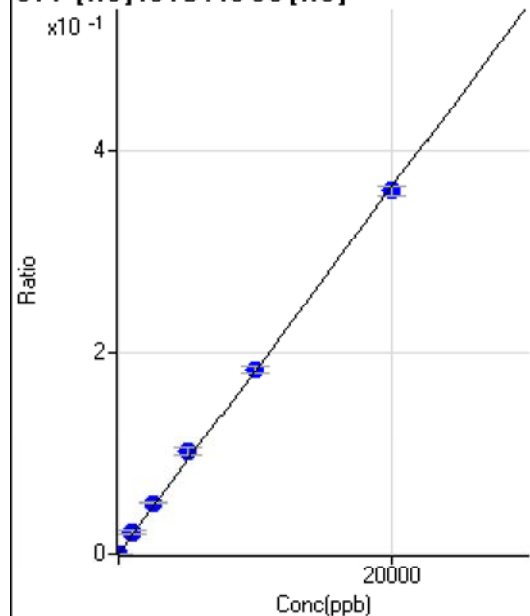
$$DL = 0.5357$$

$$BEC = 55.75$$

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	1.876	5.55	0.0001	P	86.7
2	☐	0.000					
3	☐	0.000	-1.876	2.78	0.0001	P	173.
4	☐	1000.000	1144.221	830.61	0.0208	P	11.3
5	☐	2500.000	2764.486	1978.00	0.0502	P	3.3
6	☐	5000.000	5534.612	3764.56	0.1004	P	7.6
7	☐	10000.000	10064.990	7349.45	0.1826	P	4.5
8	☐	20000.000	19793.580	14435.67	0.3589	P	2.3
9	☐			11.11	0.0003	P	113.

$$y = 1.8128E-005 * x + 1.0167E-004$$

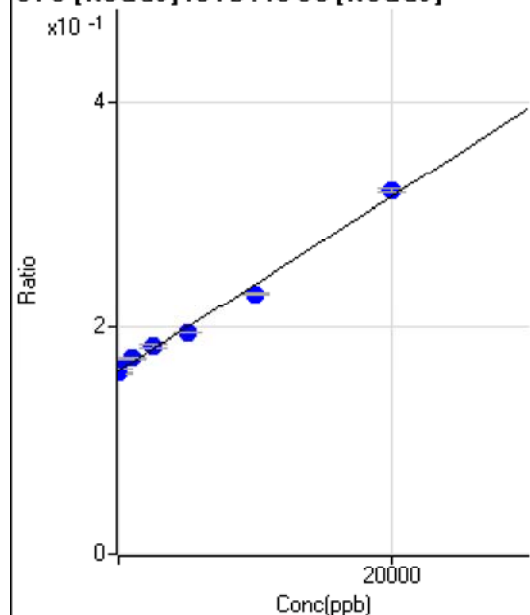
$$R = 0.9996$$

$$DL = 19.43$$

$$BEC = 5.609$$

Weight: <None>

Min Conc: 0

34 S [NoGas] ISTD:45 Sc [NoGas]

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	-273.047	468288.23	0.1593	P	0.9
2	☐	0.000					
3	☐	0.000	273.047	474267.90	0.1635	P	0.4
4	☐	1000.000	1468.818	507708.62	0.1728	P	0.4
5	☐	2500.000	2861.828	537616.74	0.1835	P	1.8
6	☐	5000.000	4420.317	591697.24	0.1956	P	0.7
7	☐	10000.000	8918.031	700571.00	0.2303	P	0.5
8	☐	20000.000	20617.236	943962.52	0.3208	P	0.9
9	☐			419984.76	0.1381	P	2.0

$$y = 7.7309\text{E-}006 * x + 0.1614$$

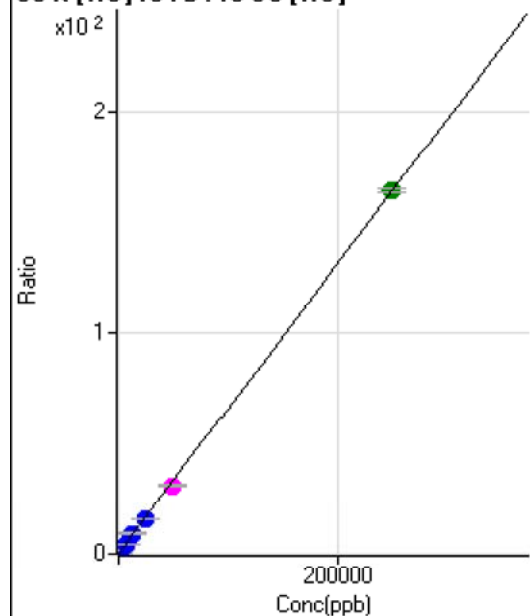
$$R = 0.9963$$

$$DL = 390.7$$

$$BEC = 2.088\text{E}+04$$

Weight: <None>

Min Conc: 0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	5195.62	0.1265	P	7.4
2	☐	50.000					
3	☐	500.000	506.135	18579.77	0.4576	P	1.4
4	☐	2500.000	2507.086	70457.39	1.7667	P	0.9
5	☐	6250.000	6372.501	169175.86	4.2955	P	1.1
6	☐	12500.000	13267.763	330061.79	8.8065	P	7.7
7	☐	25000.000	24224.744	643139.21	15.9747	P	1.1
8	☐	50000.000	46851.445	1238048.74	30.7775	M	0.8
9	☐	250000.00	250665.70	6642771.93	164.1164	A	1.0

$$y = 6.5422\text{E-}004 * x + 0.1265$$

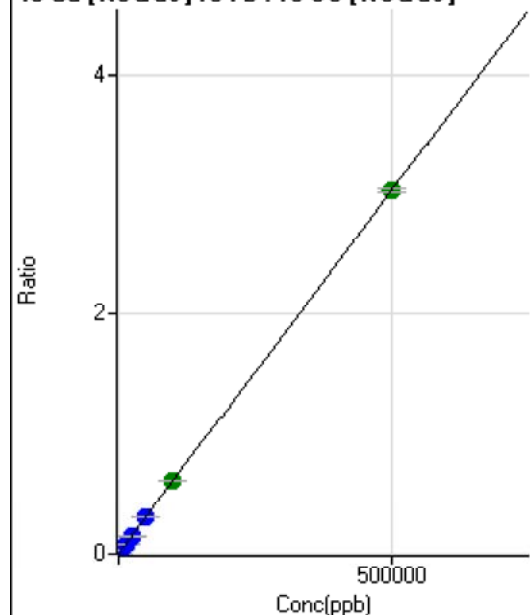
$$R = 0.9999$$

$$DL = 42.69$$

$$BEC = 193.3$$

Weight: <None>

Min Conc: 0

43 Ca [NoGas] ISTD:45 Sc [NoGas]

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	344.46	0.0001	P	8.3
2	☐	50.000					
3	☐	500.000	514.451	9381.27	0.0032	P	2.2
4	☐	5000.000	4981.527	89051.30	0.0303	P	1.1
5	☐	12500.000	12477.161	221843.77	0.0757	P	0.5
6	☐	25000.000	24985.959	458394.14	0.1515	P	0.5
7	☐	50000.000	49337.562	909583.32	0.2991	P	0.9
8	☐	100000.00	101447.76	1809362.11	0.6148	A	0.3
9	☐	500000.00	499778.13	9214412.36	3.0285	A	0.9

$$y = 6.0594E-006 * x + 1.1723E-004$$

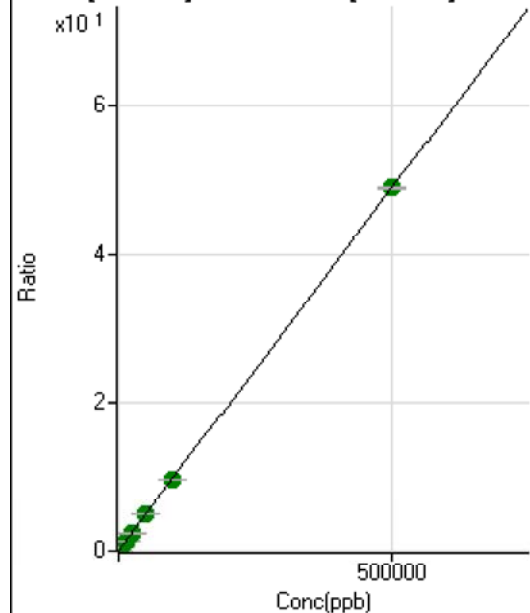
R = 1.0000

DL = 4.828

BEC = 19.35

Weight: <None>

Min Conc: 0

44 Ca [NoGas] ISTD:45 Sc [NoGas]

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	22123.82	0.0075	P	1.4
2	☐	50.000					
3	☐	500.000	503.354	164341.60	0.0567	P	1.3
4	☐	5000.000	5079.100	1479237.30	0.5033	A	0.4
5	☐	12500.000	12610.373	3628320.83	1.2385	A	1.0
6	☐	25000.000	24612.843	7291464.75	2.4101	A	0.3
7	☐	50000.000	49259.580	14647261.27	4.8160	A	0.7
8	☐	100000.00	98555.650	28333883.96	9.6281	A	0.5
9	☐	500000.00	500378.71	148640485.2	48.8524	A	0.7

$$y = 9.7616E-005 * x + 0.0075$$

R = 1.0000

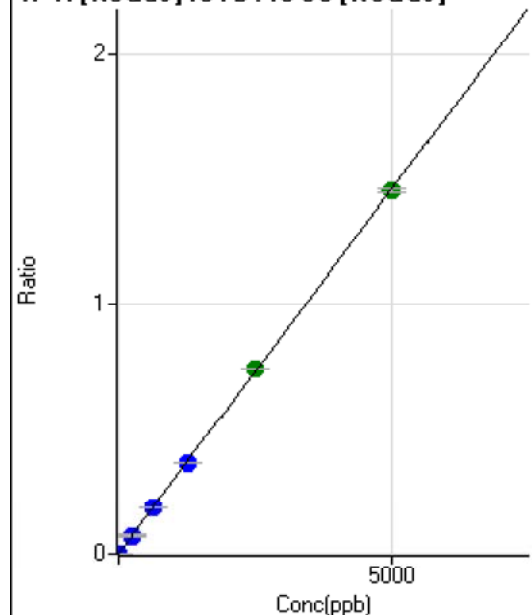
DL = 3.193

BEC = 77.1

Weight: <None>

Min Conc: 0

47 Ti [NoGas] ISTD : 45 Sc [NoGas]



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	138.90	0.0000	P	31.8
2	☐	0.500					
3	☐	5.000	5.042	4395.35	0.0015	P	4.4
4	☐	250.000	250.338	214373.58	0.0729	P	1.4
5	☐	625.000	628.884	536677.42	0.1832	P	0.8
6	☐	1250.000	1250.087	1101478.77	0.3641	P	0.2
7	☐	2500.000	2541.289	2250973.01	0.7401	A	0.4
8	☐	5000.000	4978.831	4266500.05	1.4499	A	1.2
9	☐			1344.57	0.0004	P	9.8

$$y = 2.9121\text{E-}004 * x + 4.7132\text{E-}005$$

$$R = 0.9999$$

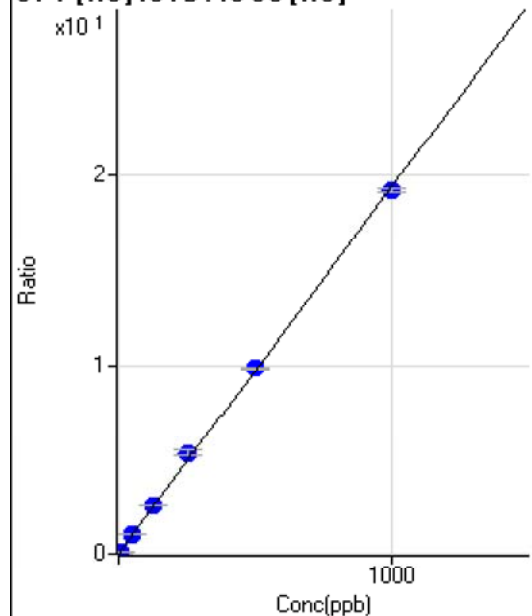
$$DL = 0.1545$$

$$BEC = 0.1618$$

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	13.33	0.0003	P	65.5
2	☐	0.500					
3	☐	5.000	5.107	4031.76	0.0993	P	5.6
4	☐	50.000	51.903	40140.90	1.0066	P	1.9
5	☐	125.000	130.890	99956.81	2.5379	P	1.1
6	☐	250.000	274.785	199736.51	5.3277	P	7.1
7	☐	500.000	507.719	396299.63	9.8437	P	1.1
8	☐	1000.000	989.112	771369.46	19.1766	P	1.1
9	☐			375.57	0.0093	P	6.6

$$y = 0.0194 * x + 3.2114\text{E-}004$$

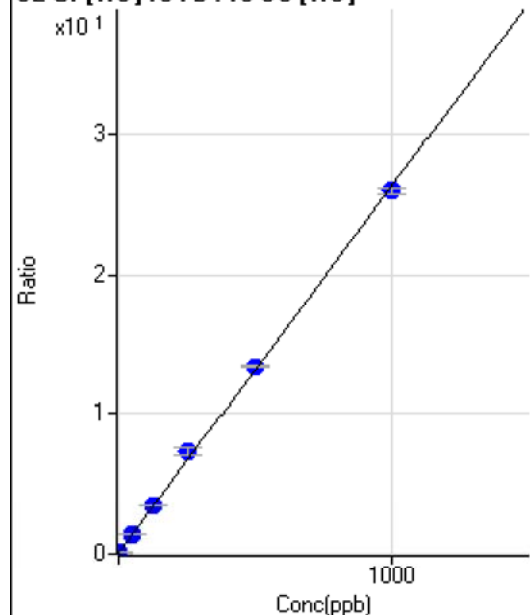
$$R = 0.9996$$

$$DL = 0.03254$$

$$BEC = 0.01656$$

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	968.94	0.0236	P	8.0
2	☐	0.200					
3	☐	2.000	2.277	3387.14	0.0834	P	3.9
4	☐	50.000	52.073	55482.94	1.3912	P	1.0
5	☐	125.000	132.378	137861.31	3.5003	P	0.5
6	☐	250.000	277.212	273665.06	7.3041	P	8.3
7	☐	500.000	508.787	538925.38	13.3860	P	0.8
8	☐	1000.000	987.777	1044433.30	25.9660	P	1.4
9	☐			51804.54	1.2798	P	1.1

$$y = 0.0263 * x + 0.0236$$

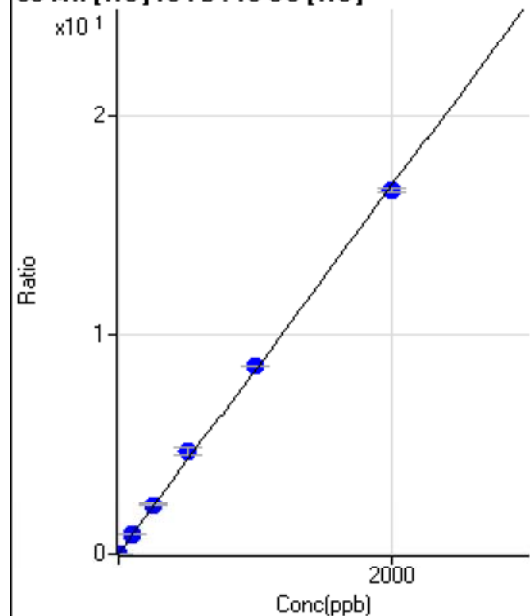
$$R = 0.9995$$

$$DL = 0.2151$$

$$BEC = 0.8982$$

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	50.00	0.0012	P	29.4
2	☐	0.100					
3	☐	1.000	0.989	386.68	0.0095	P	5.6
4	☐	100.000	104.721	35133.17	0.8811	P	2.7
5	☐	250.000	265.068	87760.15	2.2283	P	1.1
6	☐	500.000	556.930	175384.59	4.6805	P	8.2
7	☐	1000.000	1023.561	346280.52	8.6010	P	0.8
8	☐	2000.000	1971.867	666454.78	16.5686	P	1.1
9	☐			4789.79	0.1184	P	4.1

$$y = 0.0084 * x + 0.0012$$

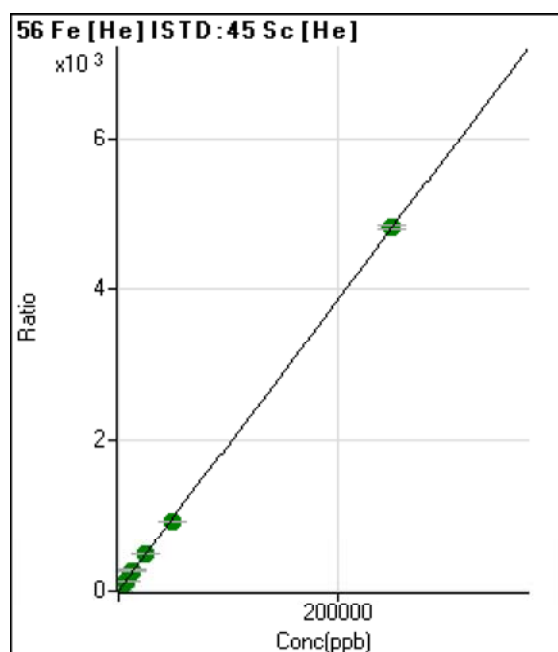
$$R = 0.9994$$

$$DL = 0.1271$$

$$BEC = 0.1444$$

Weight: <None>

Min Conc: 0



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	2228.03	0.0542	P	6.6
2	☐	5.000					
3	☐	50.000	51.559	42498.50	1.0469	P	3.0
4	☐	2500.000	2567.493	1973424.87	49.4865	A	1.9
5	☐	6250.000	6446.627	4890537.90	124.1721	A	0.7
6	☐	12500.000	13459.117	9714667.92	259.1846	A	7.6
7	☐	25000.000	24678.967	19131681.68	475.2020	A	0.8
8	☐	50000.000	47859.412	37063804.07	921.4984	A	1.7
9	☐	250000.00	250406.67	195142322.8	4,821.170	A	0.9

$$y = 0.0193 * x + 0.0542$$

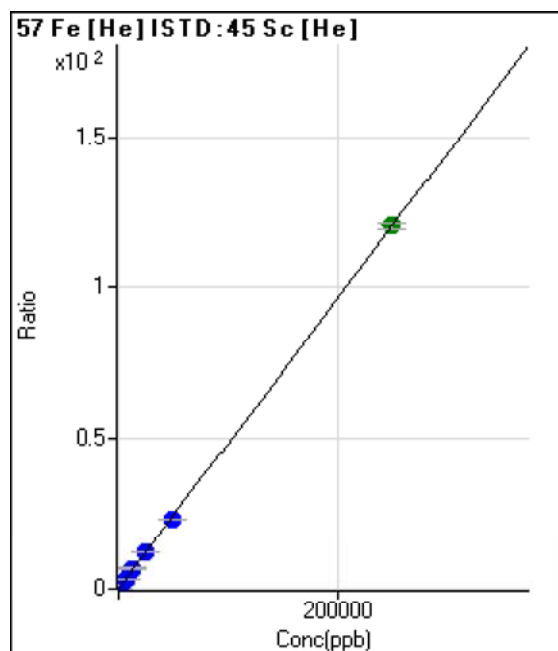
$$R = 0.9999$$

$$DL = 0.5539$$

$$BEC = 2.817$$

Weight: <None>

Min Conc: 0



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	79.63	0.0019	P	16.2
2	☐	5.000					
3	☐	50.000	49.926	1053.77	0.0260	P	11.2
4	☐	2500.000	2544.900	48926.92	1.2269	P	1.9
5	☐	6250.000	6421.397	121813.04	3.0929	P	1.3
6	☐	12500.000	13489.451	243506.68	6.4950	P	7.0
7	☐	25000.000	24831.849	481301.02	11.9547	P	0.7
8	☐	50000.000	47840.361	926390.18	23.0297	P	0.9
9	☐	250000.00	250394.53	4878241.49	120.5286	A	1.4

$$y = 4.8135E-004 * x + 0.0019$$

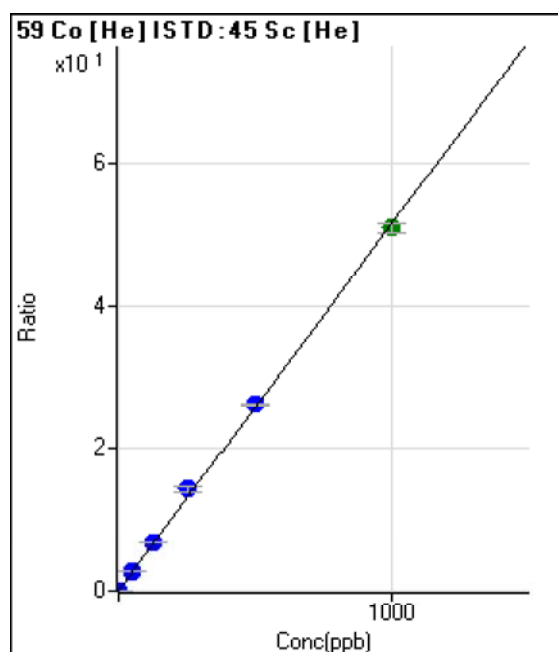
$$R = 0.9999$$

$$DL = 1.949$$

$$BEC = 4.017$$

Weight: <None>

Min Conc: 0



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	74.45	0.0018	P	21.5
2	☐	0.100					
3	☐	1.000	1.050	2269.11	0.0559	P	2.2
4	☐	50.000	51.764	106349.87	2.6669	P	2.2
5	☐	125.000	131.126	265972.38	6.7530	P	0.7
6	☐	250.000	275.614	532004.28	14.1922	P	7.3
7	☐	500.000	506.864	1050710.61	26.0984	P	1.0
8	☐	1000.000	989.310	2048615.21	50.9378	A	2.4
9	☐			26683.52	0.6592	P	0.2

$$y = 0.0515 * x + 0.0018$$

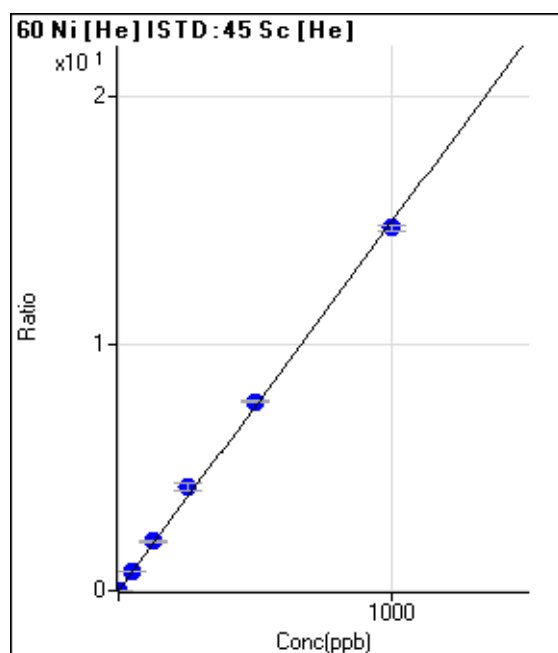
$$R = 0.9996$$

$$DL = 0.02269$$

$$BEC = 0.03522$$

Weight: <None>

Min Conc: 0



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	100.00	0.0024	P	10.9
2	☐	0.100					
3	☐	1.000	1.188	818.93	0.0202	P	8.6
4	☐	50.000	52.703	31453.44	0.7887	P	0.7
5	☐	125.000	133.059	78277.57	1.9874	P	0.3
6	☐	250.000	280.093	156698.16	4.1809	P	7.7
7	☐	500.000	513.674	308615.96	7.6655	P	0.7
8	☐	1000.000	984.497	590848.73	14.6893	P	1.4
9	☐			24109.97	0.5956	P	0.4

$$y = 0.0149 * x + 0.0024$$

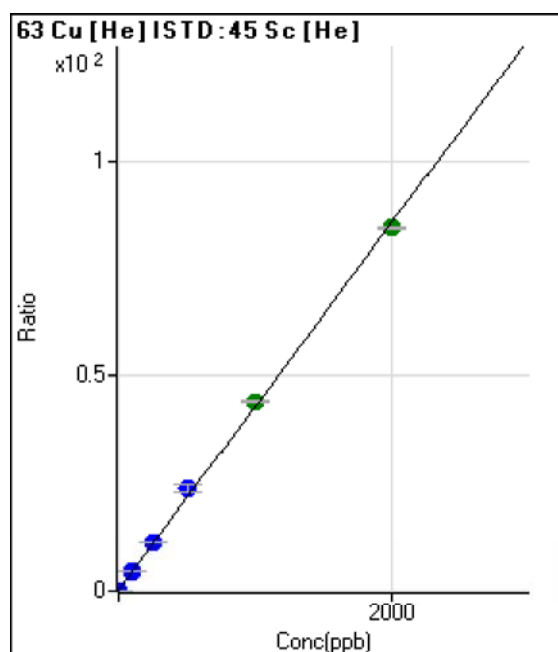
$$R = 0.9993$$

$$DL = 0.0532$$

$$BEC = 0.1633$$

Weight: <None>

Min Conc: 0



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	1495.66	0.0364	P	3.4
2	☐	0.200					
3	☐	2.000	2.138	5193.28	0.1279	P	3.2
4	☐	100.000	104.103	179110.70	4.4913	P	1.5
5	☐	250.000	263.764	445975.80	11.3237	P	1.3
6	☐	500.000	552.641	887640.50	23.6856	P	7.9
7	☐	1000.000	1025.934	1769006.71	43.9393	A	0.8
8	☐	2000.000	1971.947	3395947.80	84.4222	A	0.8
9	☐			9616.81	0.2377	P	3.7

$$y = 0.0428 * x + 0.0364$$

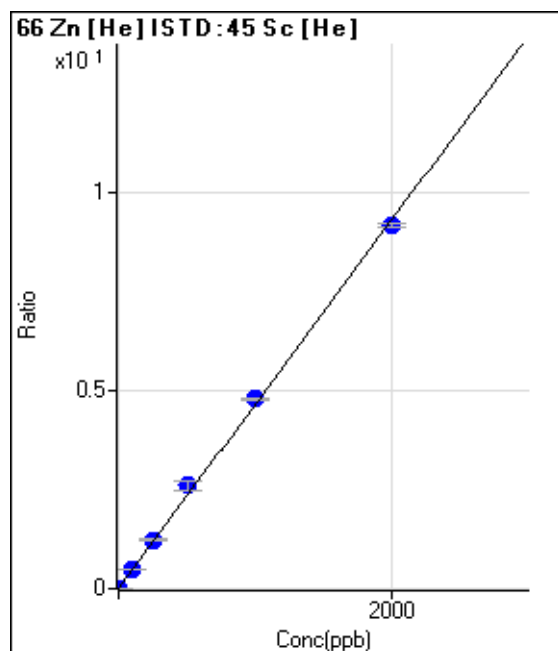
$$R = 0.9995$$

$$DL = 0.08638$$

$$BEC = 0.8504$$

Weight: <None>

Min Conc: 0



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	184.45	0.0045	P	17.3
2	☐	0.200					
3	☐	2.000	2.467	647.80	0.0159	P	6.8
4	☐	100.000	104.931	19595.19	0.4914	P	2.8
5	☐	250.000	264.742	48558.23	1.2328	P	0.7
6	☐	500.000	557.972	97190.85	2.5934	P	7.9
7	☐	1000.000	1028.108	192226.14	4.7747	P	1.1
8	☐	2000.000	1969.363	367737.17	9.1419	P	0.9
9	☐			3526.08	0.0871	P	3.3

$$y = 0.0046 * x + 0.0045$$

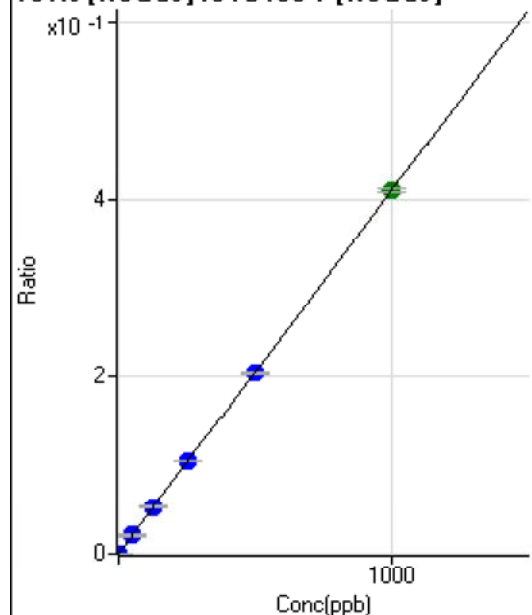
$$R = 0.9994$$

$$DL = 0.5026$$

$$BEC = 0.9687$$

Weight: <None>

Min Conc: 0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	105.56	0.0000	P	11.8
2	☐	0.100					
3	☐	1.000	1.037	2050.24	0.0004	P	1.9
4	☐	50.000	50.393	96213.24	0.0206	P	0.9
5	☐	125.000	129.113	243437.95	0.0529	P	1.1
6	☐	250.000	254.235	503040.18	0.1041	P	1.9
7	☐	500.000	497.539	1008422.83	0.2036	P	1.2
8	☐	1000.000	999.638	1978475.46	0.4091	A	0.9
9	☐			3436.69	0.0007	P	7.7

$$y = 4.0925\text{E-}004 * x + 2.3251\text{E-}005$$

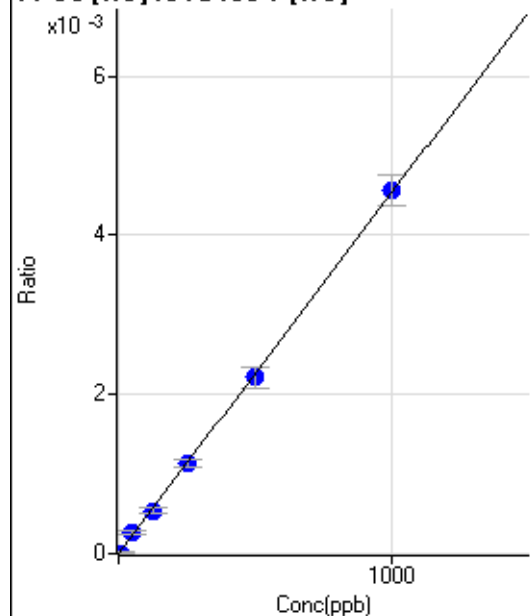
$$R = 1.0000$$

$$DL = 0.02005$$

$$BEC = 0.05681$$

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	1.933	2.22	0.0000	P	86.6
4	☐	50.000	59.225	66.66	0.0003	P	16.8
5	☐	125.000	118.309	134.45	0.0005	P	13.2
6	☐	250.000	250.827	270.01	0.0011	P	10.2
7	☐	500.000	488.133	568.91	0.0022	P	13.0
8	☐	1000.000	1006.117	1128.96	0.0046	P	8.4
9	☐			2.22	0.0000	P	173.

$$y = 4.5316\text{E-}006 * x + 0.0000\text{E+}000$$

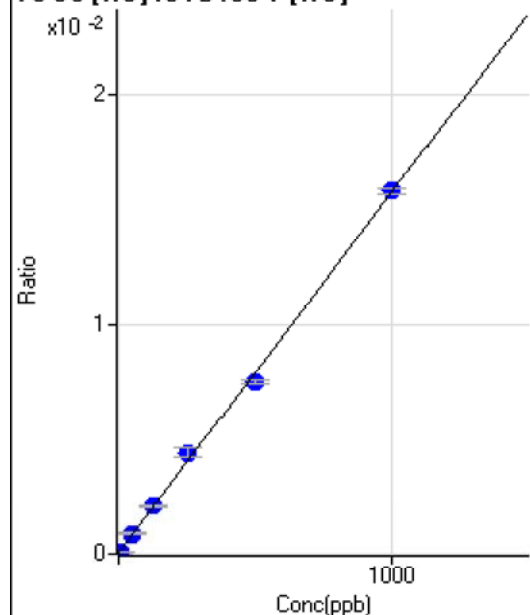
$$R = 0.9998$$

$$DL = 0$$

$$BEC = 0$$

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	5.56	0.0000	P	33.2
2	☐	0.500					
3	☐	5.000	4.073	21.61	0.0001	P	33.4
4	☐	50.000	52.889	211.73	0.0009	P	7.8
5	☐	125.000	129.296	515.45	0.0021	P	2.9
6	☐	250.000	278.210	1042.65	0.0044	P	8.4
7	☐	500.000	474.651	1924.85	0.0075	P	2.8
8	☐	1000.000	1004.945	3917.26	0.0158	P	1.7
9	☐			4.94	0.0000	P	77.7

$$y = 1.5720\text{E-}005 * x + 2.1797\text{E-}005$$

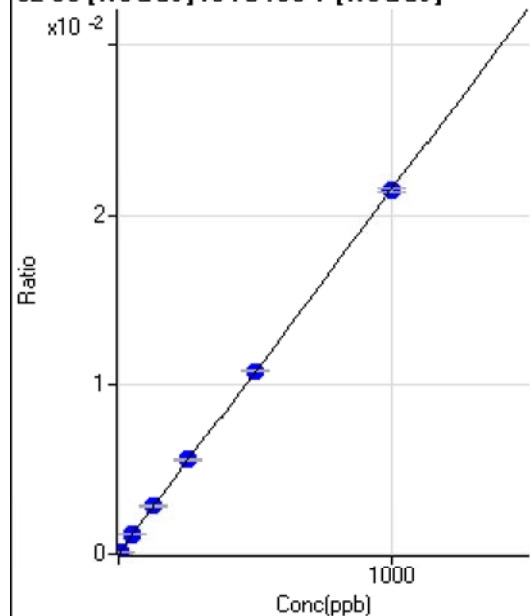
$$R = 0.9991$$

$$DL = 1.383$$

$$BEC = 1.387$$

Weight: <None>

Min Conc: 0

82 Se [NoGas] ISTD:89 Y [NoGas]

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	49.13	0.0000	P	77.1
2	☐	0.500					
3	☐	5.000	5.246	564.62	0.0001	P	2.3
4	☐	50.000	50.023	5052.62	0.0011	P	1.1
5	☐	125.000	129.293	12827.14	0.0028	P	1.4
6	☐	250.000	257.306	26744.22	0.0055	P	1.6
7	☐	500.000	503.099	53518.47	0.0108	P	1.2
8	☐	1000.000	996.085	103422.07	0.0214	P	0.9
9	☐			106.50	0.0000	P	112.

$$y = 2.1461\text{E-}005 * x + 1.0711\text{E-}005$$

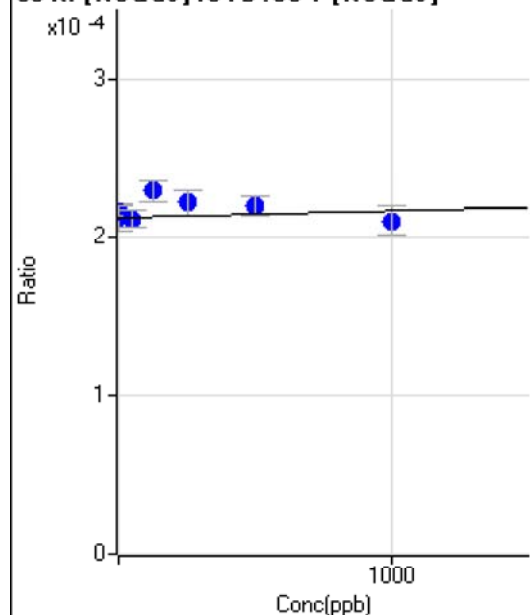
$$R = 1.0000$$

$$DL = 1.155$$

$$BEC = 0.4991$$

Weight: <None>

Min Conc: 0

83 Kr [NoGas] ISTD:89 Y [NoGas]

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	964.50	0.0002	P	7.9
2	☐	0.100					
3	☐	1.000	937.929	992.27	0.0002	P	2.7
4	☐	50.000	-164.467	987.83	0.0002	P	4.6
5	☐	125.000	3870.000	1055.62	0.0002	P	5.8
6	☐	250.000	2131.673	1072.28	0.0002	P	7.6
7	☐	500.000	1614.104	1087.84	0.0002	P	5.4
8	☐	1000.000	-485.809	1017.83	0.0002	P	8.7
9	☐			1062.28	0.0002	P	9.2

$$y = 4.2702\text{E-}009 * x + 2.1269\text{E-}004$$

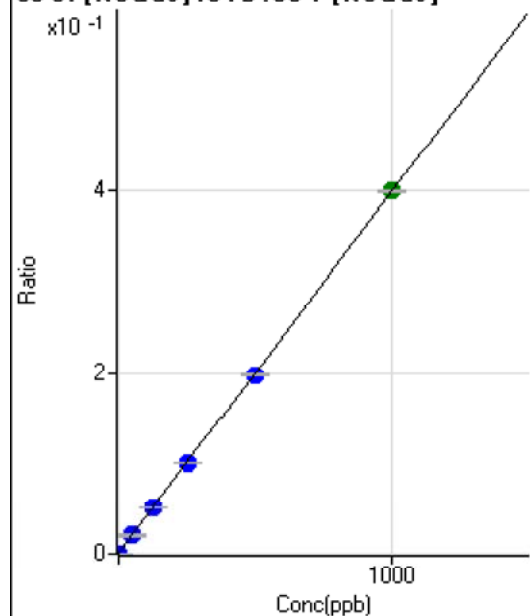
$$R = -0.2490$$

$$DL = 1.181\text{E+}04$$

$$BEC = 4.981\text{E+}04$$

Weight: <None>

Min Conc: 0

86 Sr [NoGas] ISTD:89 Y [NoGas]

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	1586.29	0.0003	P	11.6
2	☐	0.100					
3	☐	1.000	0.941	3317.24	0.0007	P	7.3
4	☐	50.000	49.821	94003.58	0.0202	P	0.8
5	☐	125.000	126.292	233008.94	0.0506	P	0.9
6	☐	250.000	249.476	481535.18	0.0996	P	0.7
7	☐	500.000	494.474	975977.83	0.1971	P	1.1
8	☐	1000.000	1002.741	1930917.08	0.3993	A	0.6
9	☐			10940.98	0.0022	P	2.2

$$y = 3.9787\text{E-}004 * x + 3.4970\text{E-}004$$

$$R = 1.0000$$

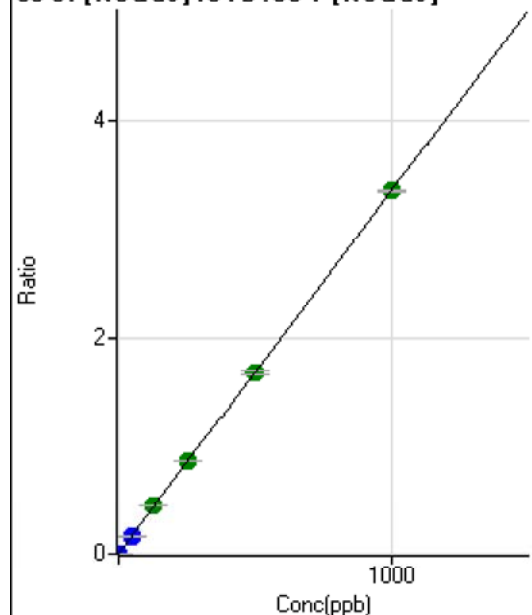
$$DL = 0.305$$

$$BEC = 0.8789$$

Weight: <None>

Min Conc: 0

88 Sr [NoGas] ISTD:89 Y [NoGas]



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	141.68	0.0000	P	11.8
2	☐	0.100					
3	☐	1.000	1.057	16410.57	0.0036	P	3.0
4	☐	50.000	50.217	786456.45	0.1688	P	0.4
5	☐	125.000	129.901	2010146.05	0.4365	A	0.1
6	☐	250.000	252.397	4100217.76	0.8481	A	0.2
7	☐	500.000	498.507	8294704.87	1.6751	A	1.6
8	☐	1000.000	999.524	16240824.50	3.3585	A	0.7
9	☐			78076.85	0.0159	P	1.0

$$y = 0.0034 * x + 3.1252E-005$$

$$R = 1.0000$$

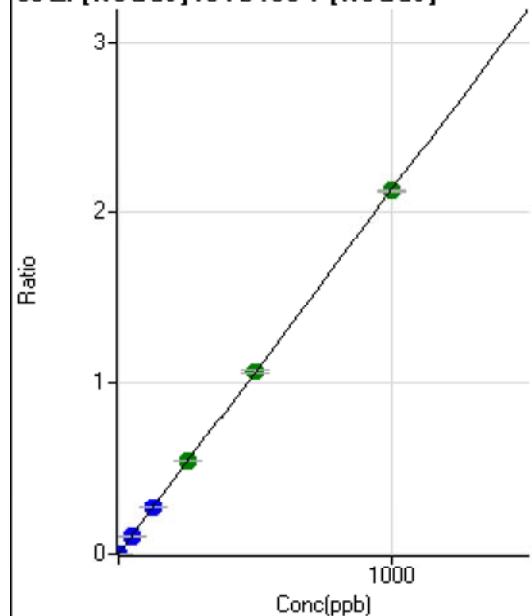
$$DL = 0.003302$$

$$BEC = 0.009301$$

Weight: <None>

Min Conc: 0

90 Zr [NoGas] ISTD:89 Y [NoGas]



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	294.46	0.0001	P	5.1
2	☐	0.100					
3	☐	1.000	1.087	10896.49	0.0024	P	1.2
4	☐	50.000	49.563	492147.70	0.1056	P	0.6
5	☐	125.000	126.894	1244712.71	0.2703	P	0.8
6	☐	250.000	254.757	2622935.67	0.5426	A	1.0
7	☐	500.000	502.204	5296352.46	1.0695	A	1.1
8	☐	1000.000	997.494	10272391.38	2.1243	A	0.3
9	☐			5220.69	0.0011	P	6.6

$$y = 0.0021 * x + 6.4816E-005$$

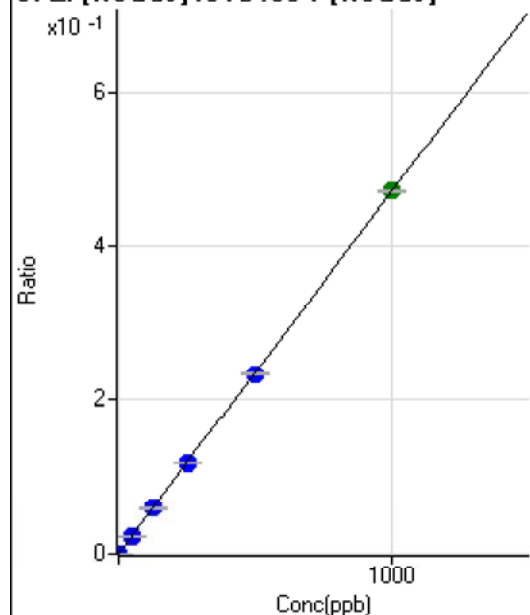
$$R = 1.0000$$

$$DL = 0.004639$$

$$BEC = 0.03044$$

Weight: <None>

Min Conc: 0

91 Zr [NoGas] ISTD:89 Y [NoGas]

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	47.22	0.0000	P	38.8
2	☐	0.100					
3	☐	1.000	1.014	2233.63	0.0005	P	7.0
4	☐	50.000	48.673	106894.91	0.0229	P	0.2
5	☐	125.000	124.997	271204.17	0.0589	P	0.6
6	☐	250.000	248.523	566022.88	0.1171	P	0.6
7	☐	500.000	496.019	1157156.78	0.2337	P	0.8
8	☐	1000.000	1002.426	2283406.43	0.4722	A	0.8
9	☐			1077.87	0.0002	P	9.5

$$y = 4.7106\text{E-}004 * x + 1.0449\text{E-}005$$

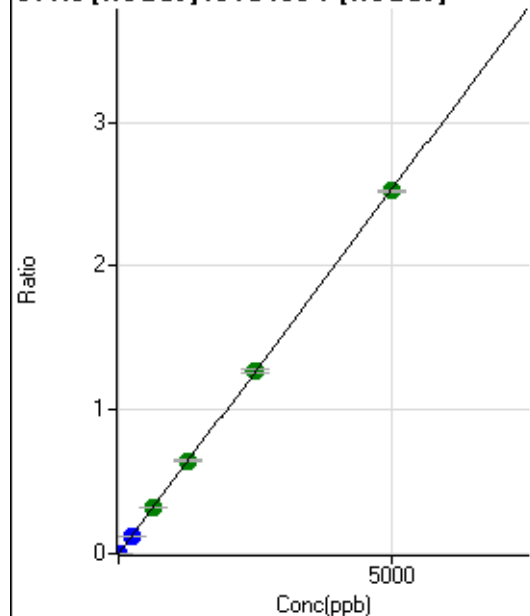
$$R = 1.0000$$

$$DL = 0.02581$$

$$BEC = 0.02218$$

Weight: <None>

Min Conc: 0

94 Mo [NoGas] ISTD:89 Y [NoGas]

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	161.12	0.0000	P	24.3
2	☐	0.500					
3	☐	5.000	5.191	12186.54	0.0027	P	0.4
4	☐	250.000	249.441	588121.32	0.1262	P	0.7
5	☐	625.000	642.054	1495712.10	0.3248	A	0.6
6	☐	1250.000	1276.440	3121147.53	0.6457	A	1.5
7	☐	2500.000	2513.236	6295211.56	1.2713	A	1.4
8	☐	5000.000	4984.668	12192492.46	2.5213	A	0.4
9	☐			15898.71	0.0032	P	1.5

$$y = 5.0581\text{E-}004 * x + 3.5492\text{E-}005$$

$$R = 1.0000$$

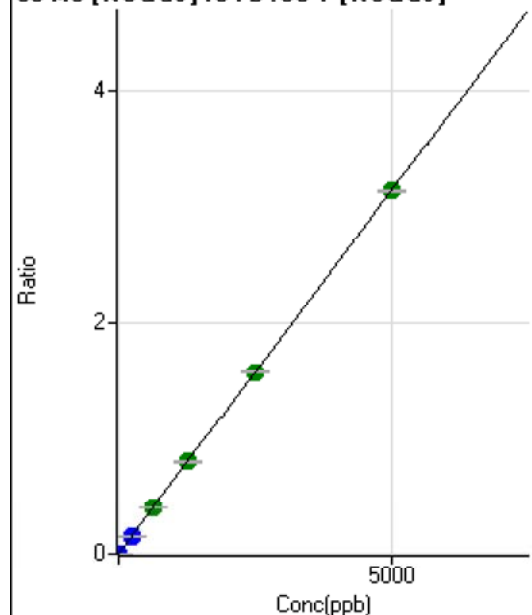
$$DL = 0.05107$$

$$BEC = 0.07017$$

Weight: <None>

Min Conc: 0

95 Mo [NoGas] ISTD : 89 Y [NoGas]



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	52.78	0.0000	P	31.2
2	☐	0.500					
3	☐	5.000	5.054	14575.06	0.0032	P	2.0
4	☐	250.000	245.096	716813.77	0.1538	P	0.6
5	☐	625.000	642.103	1855698.22	0.4030	A	0.7
6	☐	1250.000	1260.301	3823347.00	0.7909	A	1.2
7	☐	2500.000	2499.044	7766259.89	1.5683	A	1.0
8	☐	5000.000	4996.010	15160679.16	3.1353	A	0.7
9	☐			24656.62	0.0050	P	1.9

$$y = 6.2755E-004 * x + 1.1575E-005$$

$$R = 1.0000$$

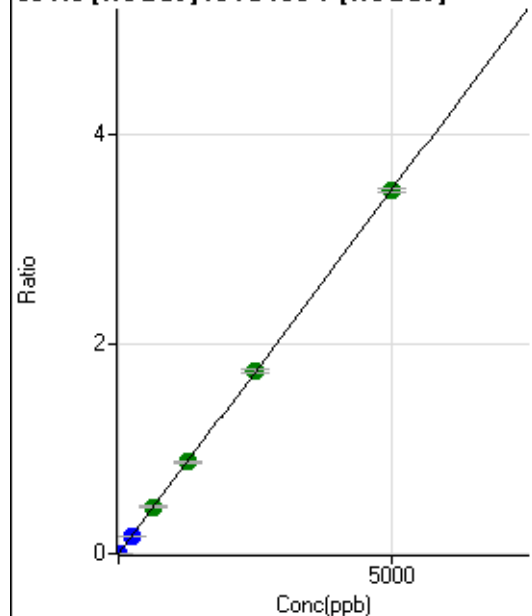
$$DL = 0.01725$$

$$BEC = 0.01845$$

Weight: <None>

Min Conc: 0

96 Mo [NoGas] ISTD : 89 Y [NoGas]



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	94.45	0.0000	P	29.8
2	☐	0.500					
3	☐	5.000	5.050	16143.50	0.0035	P	2.3
4	☐	250.000	245.819	795147.21	0.1706	P	0.7
5	☐	625.000	643.518	2056942.88	0.4467	A	1.7
6	☐	1250.000	1261.790	4233427.09	0.8758	A	1.7
7	☐	2500.000	2509.090	8623533.53	1.7415	A	1.5
8	☐	5000.000	4990.402	16747880.93	3.4636	A	1.2
9	☐			27854.47	0.0057	P	1.7

$$y = 6.9405E-004 * x + 2.0770E-005$$

$$R = 1.0000$$

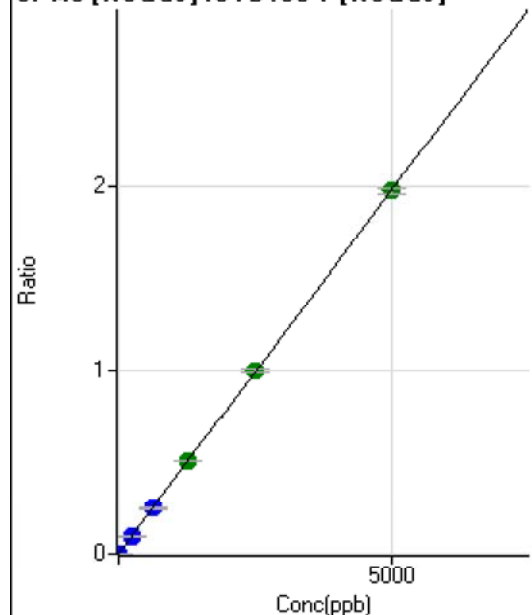
$$DL = 0.02675$$

$$BEC = 0.02993$$

Weight: <None>

Min Conc: 0

97 Mo [NoGas] ISTD : 89 Y [NoGas]



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	38.89	0.0000	P	12.9
2	☐	0.500					
3	☐	5.000	5.078	9259.15	0.0020	P	0.9
4	☐	250.000	241.563	446313.47	0.0958	P	0.2
5	☐	625.000	621.896	1135431.88	0.2466	P	1.5
6	☐	1250.000	1274.799	2443101.60	0.5054	A	1.2
7	☐	2500.000	2507.367	4922260.70	0.9940	A	1.8
8	☐	5000.000	4990.926	9567161.67	1.9786	A	1.5
9	☐			14995.03	0.0031	P	2.7

$$y = 3.9644\text{E-}004 * x + 8.5710\text{E-}006$$

$$R = 1.0000$$

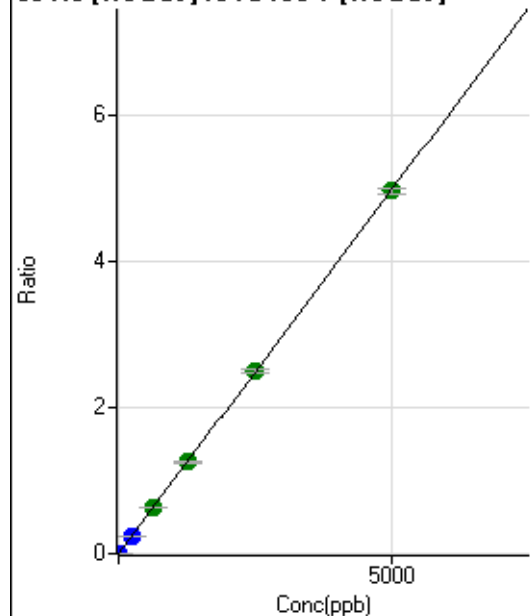
$$DL = 0.008346$$

$$BEC = 0.02162$$

Weight: <None>

Min Conc: 0

98 Mo [NoGas] ISTD : 89 Y [NoGas]



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	83.34	0.0000	P	12.1
2	☐	0.500					
3	☐	5.000	5.048	23106.71	0.0050	P	3.0
4	☐	250.000	245.679	1139976.45	0.2446	P	0.6
5	☐	625.000	644.319	2954343.38	0.6415	A	1.0
6	☐	1250.000	1257.907	6054205.47	1.2525	A	1.7
7	☐	2500.000	2512.057	12385363.21	2.5012	A	1.6
8	☐	5000.000	4989.796	24022880.23	4.9681	A	1.3
9	☐			38210.61	0.0078	P	1.0

$$y = 9.9565\text{E-}004 * x + 1.8388\text{E-}005$$

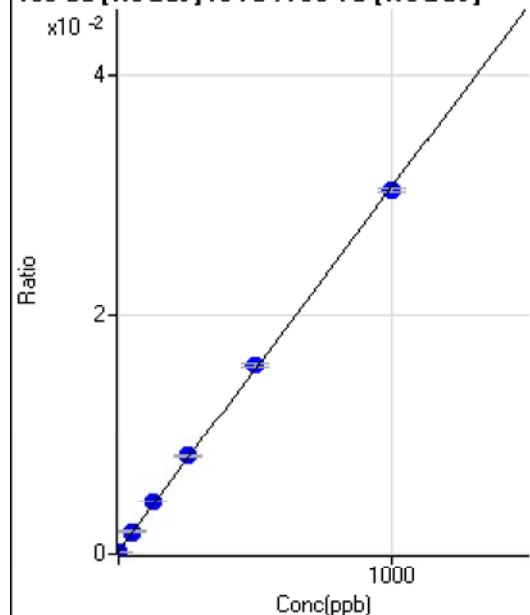
$$R = 1.0000$$

$$DL = 0.006716$$

$$BEC = 0.01847$$

Weight: <None>

Min Conc: 0

106 Cd [NoGas] ISTD:159 Tb [NoGas]

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	1002.86	0.0002	P	10.9
2	☐	0.100					
3	☐	1.000	0.147	1019.53	0.0002	P	8.1
4	☐	50.000	53.817	9020.11	0.0018	P	0.5
5	☐	125.000	134.723	21275.86	0.0043	P	2.1
6	☐	250.000	261.725	43080.92	0.0082	P	2.4
7	☐	500.000	512.324	86949.23	0.0158	P	1.9
8	☐	1000.000	989.502	164867.96	0.0304	P	0.9
9	☐			1205.68	0.0002	P	9.4

$$y = 3.0475\text{E-}005 * x + 2.0975\text{E-}004$$

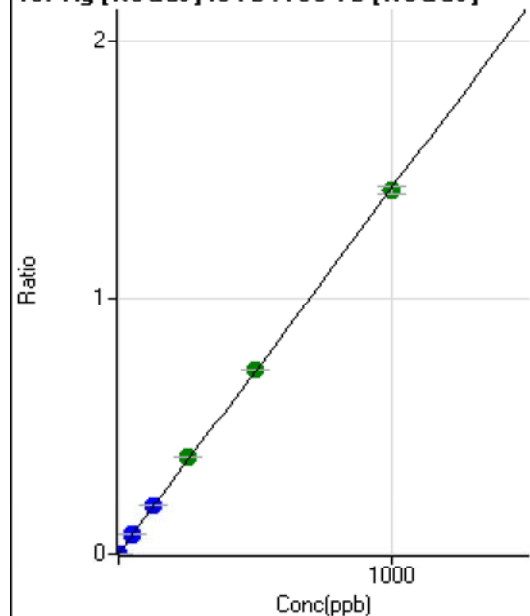
$$R = 0.9998$$

$$DL = 2.25$$

$$BEC = 6.883$$

Weight: <None>

Min Conc: 0

107 Ag [NoGas] ISTD:159 Tb [NoGas]

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	800.08	0.0002	P	112.
2	☐	0.100					
3	☐	1.000	1.078	8116.70	0.0017	P	6.9
4	☐	50.000	52.869	368078.92	0.0755	P	1.9
5	☐	125.000	132.590	932119.96	0.1891	P	1.1
6	☐	250.000	262.424	1968759.59	0.3741	A	1.1
7	☐	500.000	505.766	3960792.10	0.7208	A	0.4
8	☐	1000.000	992.919	7680471.44	1.4148	A	2.0
9	☐			84580.94	0.0152	P	74.0

$$y = 0.0014 * x + 1.6951\text{E-}004$$

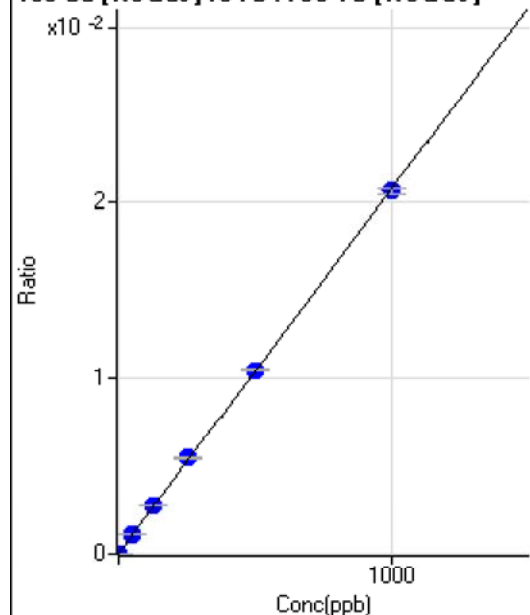
$$R = 0.9999$$

$$DL = 0.4024$$

$$BEC = 0.119$$

Weight: <None>

Min Conc: 0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	8.33	0.0000	P	49.2
2	☐	0.100					
3	☐	1.000	1.196	126.39	0.0000	P	20.1
4	☐	50.000	53.546	5430.38	0.0011	P	0.7
5	☐	125.000	132.203	13541.78	0.0027	P	1.3
6	☐	250.000	260.905	28526.26	0.0054	P	0.6
7	☐	500.000	503.252	57435.91	0.0105	P	1.3
8	☐	1000.000	994.570	112132.29	0.0207	P	1.2
9	☐			40.28	0.0000	P	31.4

$$y = 2.0765E-005 * x + 1.7420E-006$$

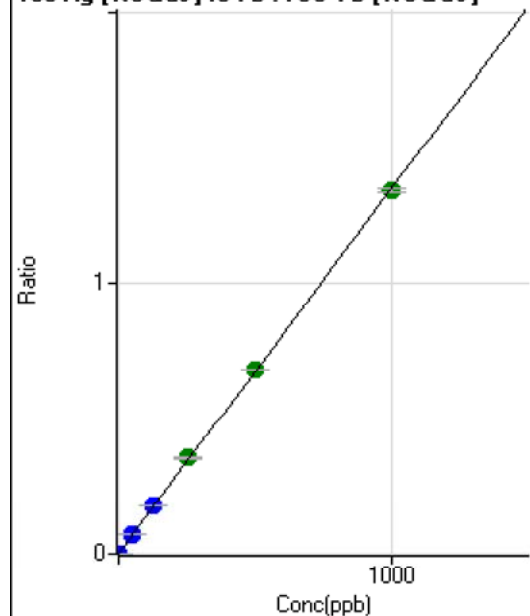
$$R = 0.9999$$

$$DL = 0.1237$$

$$BEC = 0.08389$$

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	700.06	0.0001	P	94.3
2	☐	0.100					
3	☐	1.000	1.076	7616.44	0.0016	P	12.9
4	☐	50.000	52.471	345851.42	0.0709	P	1.7
5	☐	125.000	132.611	882754.63	0.1791	P	0.3
6	☐	250.000	262.741	1866249.61	0.3546	A	2.2
7	☐	500.000	505.222	3746303.73	0.6817	A	0.7
8	☐	1000.000	993.128	7274735.67	1.3400	A	1.2
9	☐			80837.25	0.0146	P	75.0

$$y = 0.0013 * x + 1.4804E-004$$

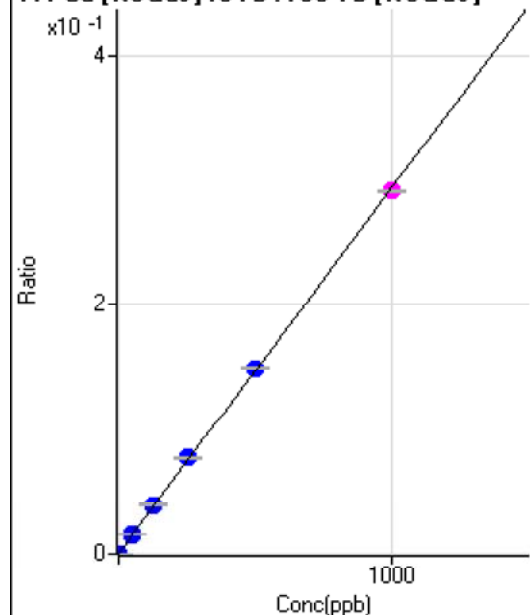
$$R = 0.9999$$

$$DL = 0.3103$$

$$BEC = 0.1097$$

Weight: <None>

Min Conc: 0

111 Cd [NoGas] ISTD:159 Tb [NoGas]

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	705.89	0.0001	P	10.6
2	☐	0.100					
3	☐	1.000	1.052	2168.37	0.0005	P	4.4
4	☐	50.000	53.075	76502.62	0.0157	P	0.6
5	☐	125.000	133.123	192898.15	0.0391	P	1.0
6	☐	250.000	261.373	403584.65	0.0767	P	2.1
7	☐	500.000	506.629	816043.38	0.1485	P	0.5
8	☐	1000.000	992.673	1579068.33	0.2908	M	0.3
9	☐			1124.12	0.0002	P	9.0

$$y = 2.9282\text{E-}004 * x + 1.4765\text{E-}004$$

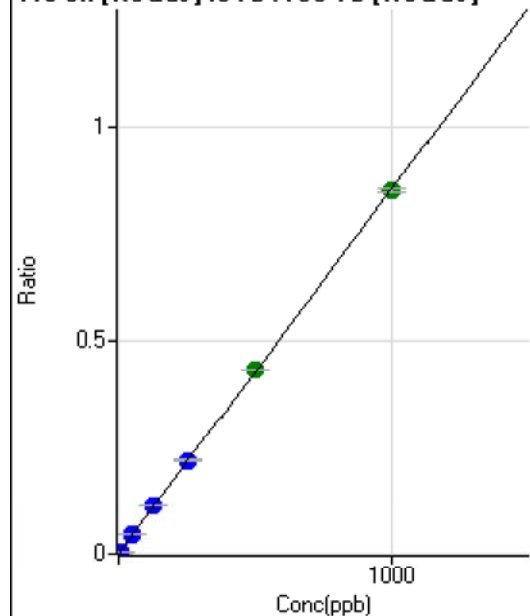
$$R = 0.9999$$

$$DL = 0.161$$

$$BEC = 0.5042$$

Weight: <None>

Min Conc: 0

118 Sn [NoGas] ISTD:159 Tb [NoGas]

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	450.03	0.0001	P	10.6
2	☐	0.500					
3	☐	5.000	5.326	22127.37	0.0047	P	1.8
4	☐	50.000	51.387	214883.72	0.0441	P	1.1
5	☐	125.000	129.744	547900.04	0.1111	P	0.7
6	☐	250.000	255.139	1149671.80	0.2184	P	1.4
7	☐	500.000	506.035	2380327.27	0.4331	A	0.1
8	☐	1000.000	995.033	4623757.35	0.8516	A	1.0
9	☐			6407.42	0.0012	P	5.2

$$y = 8.5578\text{E-}004 * x + 9.4269\text{E-}005$$

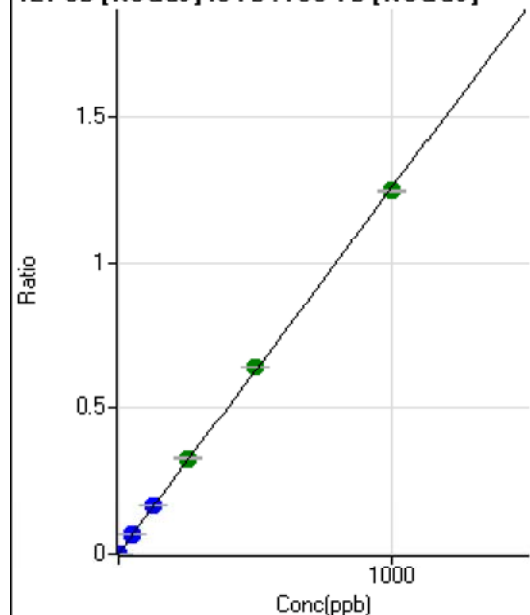
$$R = 1.0000$$

$$DL = 0.03488$$

$$BEC = 0.1102$$

Weight: <None>

Min Conc: 0

121 Sb [NoGas] ISTD : 159 Tb [NoGas]

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	127.79	0.0000	P	15.7
2	☐	0.200					
3	☐	2.000	2.073	12523.02	0.0026	P	3.0
4	☐	50.000	51.059	313066.08	0.0642	P	0.8
5	☐	125.000	129.550	802935.77	0.1629	P	0.8
6	☐	250.000	259.540	1717142.53	0.3263	A	1.6
7	☐	500.000	509.360	3518614.49	0.6403	A	0.3
8	☐	1000.000	992.313	6772869.38	1.2473	A	0.2
9	☐			11758.42	0.0021	P	3.5

$$y = 0.0013 * x + 2.6737E-005$$

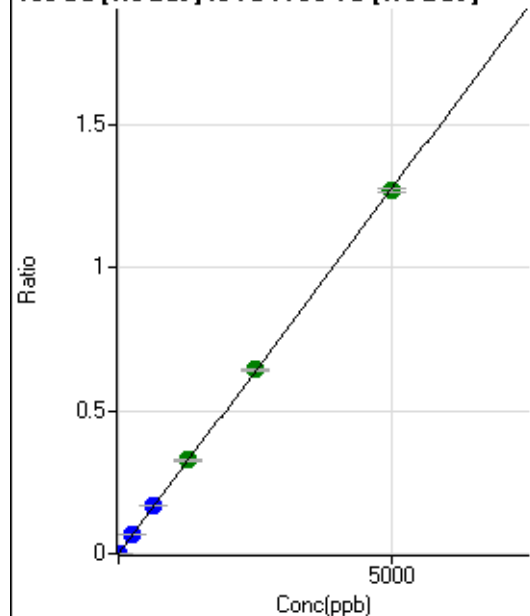
$$R = 0.9999$$

$$DL = 0.01$$

$$BEC = 0.02127$$

Weight: <None>

Min Conc: 0

135 Ba [NoGas] ISTD : 159 Tb [NoGas]

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	16.67	0.0000	P	49.2
2	☐	1.000					
3	☐	10.000	10.581	12834.64	0.0027	P	3.4
4	☐	250.000	255.851	317733.95	0.0652	P	1.5
5	☐	625.000	649.472	815578.28	0.1654	P	0.2
6	☐	1250.000	1285.006	1722534.15	0.3273	A	1.7
7	☐	2500.000	2526.932	3536685.76	0.6436	A	1.3
8	☐	5000.000	4974.430	6878518.30	1.2670	A	1.2
9	☐			1500.16	0.0003	P	5.2

$$y = 2.5470E-004 * x + 3.4840E-006$$

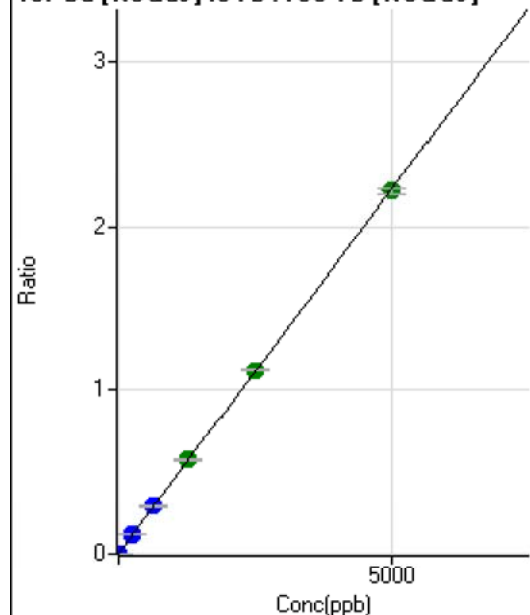
$$R = 0.9999$$

$$DL = 0.02018$$

$$BEC = 0.01368$$

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	36.11	0.0000	P	12.1
2	☐	1.000					
3	☐	10.000	10.168	21535.14	0.0045	P	1.0
4	☐	250.000	255.002	552695.67	0.1134	P	1.0
5	☐	625.000	647.156	1418300.87	0.2877	P	0.5
6	☐	1250.000	1285.711	3007777.50	0.5715	A	2.0
7	☐	2500.000	2517.632	6149691.63	1.1191	A	0.7
8	☐	5000.000	4979.236	12014838.20	2.2132	A	1.9
9	☐			2675.40	0.0005	P	4.7

$$y = 4.4449\text{E-}004 * x + 7.5536\text{E-}006$$

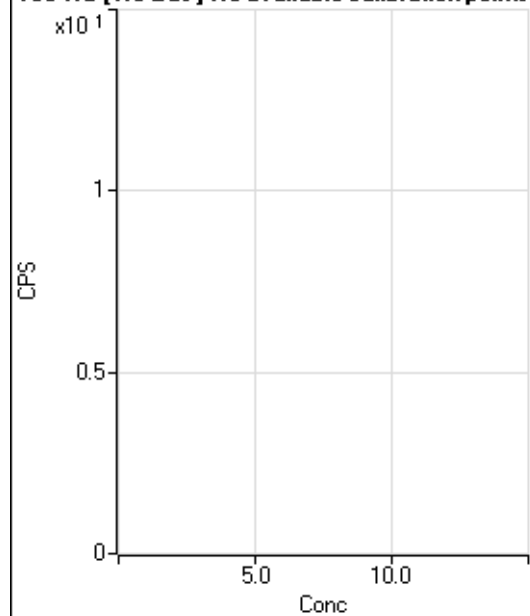
$$R = 1.0000$$

$$DL = 0.006167$$

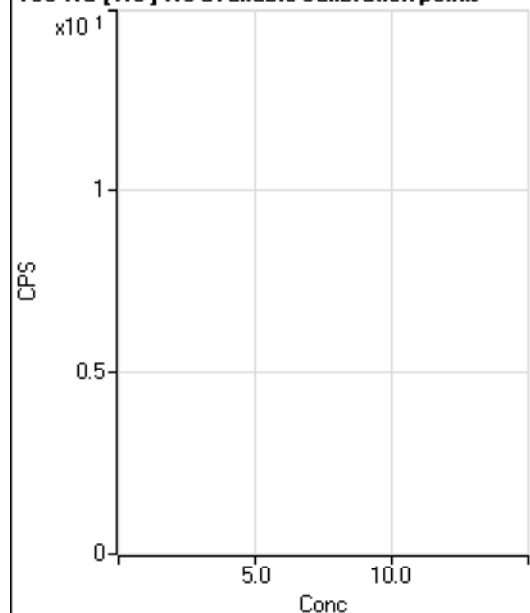
$$BEC = 0.01699$$

Weight: <None>

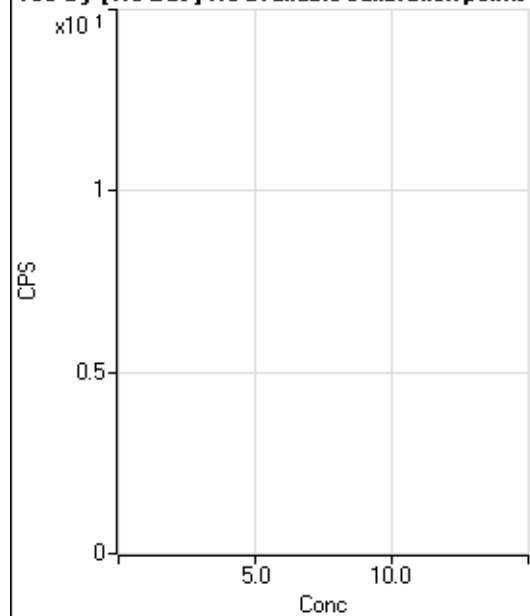
Min Conc: 0

150 Nd [No Gas] No available calibration points

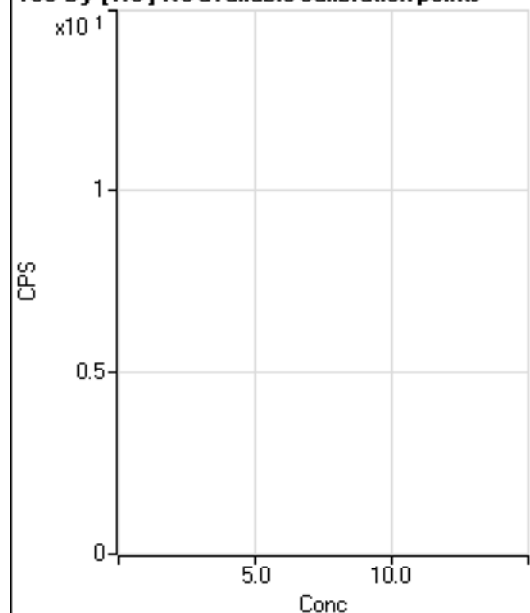
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐			2.22		P	173.
2	☐						
3	☐			6.67		P	173.
4	☐			13.33		P	50.0
5	☐			26.67		P	43.3
6	☐			84.45		P	16.4
7	☐			155.56		P	32.2
8	☐			233.34		P	40.5
9	☐			91.12		P	33.8

150 Nd [He] No available calibration points

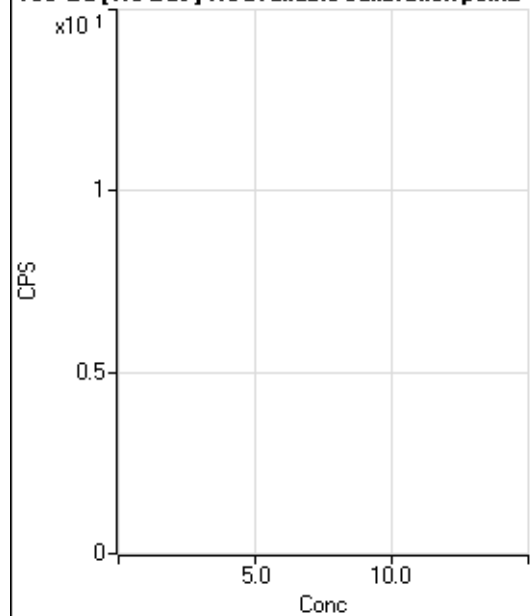
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			0.00		P	
2	☐						
3	☐			0.00		P	
4	☐			0.00		P	
5	☐			0.00		P	
6	☐			0.00		P	
7	☐			5.56		P	34.7
8	☐			13.33		P	109.
9	☐			27.78		P	36.7

156 Dy [No Gas] No available calibration points

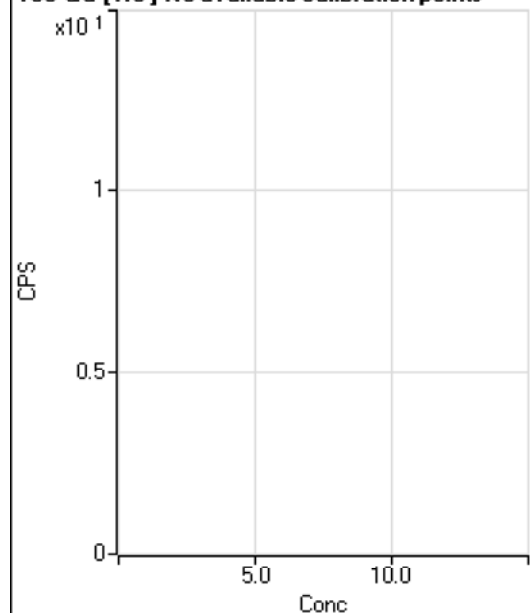
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			13.89		P	69.3
2	☐						
3	☐			11.11		P	114.
4	☐			19.44		P	99.0
5	☐			27.78		P	17.3
6	☐			30.56		P	78.7
7	☐			33.34		P	86.6
8	☐			97.23		P	4.9
9	☐			55.56		P	31.2

156 Dy [He] No available calibration points

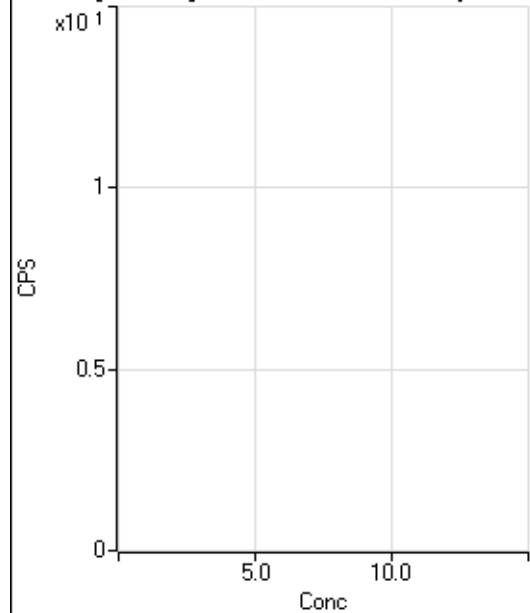
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			3.33		P	0.0
2	☐						
3	☐			0.00		P	
4	☐			1.11		P	173.
5	☐			3.33		P	100.
6	☐			1.11		P	173.
7	☐			11.11		P	62.5
8	☐			5.55		P	69.3
9	☐			11.11		P	34.6

160 Gd [No Gas] No available calibration poin_

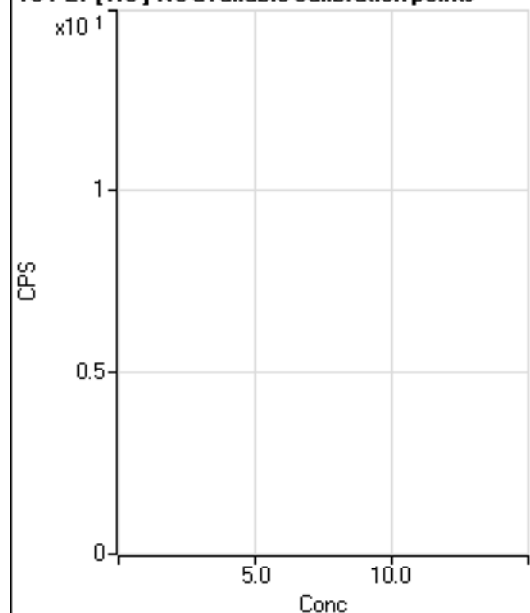
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			41.67		P	52.9
2	☐						
3	☐			13.89		P	34.7
4	☐			44.45		P	47.2
5	☐			27.78		P	105.
6	☐			33.33		P	43.3
7	☐			58.34		P	42.9
8	☐			55.56		P	31.2
9	☐			125.01		P	6.7

160 Gd [He] No available calibration points

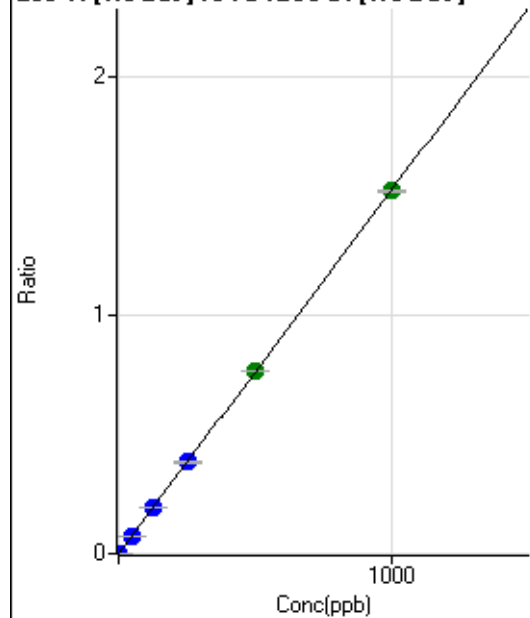
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			11.11		P	17.3
2	☐						
3	☐			8.89		P	94.4
4	☐			10.00		P	88.2
5	☐			4.44		P	43.4
6	☐			8.89		P	21.6
7	☐			8.89		P	78.1
8	☐			12.22		P	63.0
9	☐			27.78		P	30.2

164 Er [No Gas] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			25.00		P	33.3
2	☐						
3	☐			41.67		P	20.0
4	☐			22.22		P	21.6
5	☐			22.22		P	78.1
6	☐			19.44		P	89.2
7	☐			33.34		P	43.3
8	☐			30.56		P	56.8
9	☐			30.56		P	78.7

164 Er [He] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			11.11		P	34.6
2	☐						
3	☐			2.22		P	173.
4	☐			4.44		P	114.
5	☐			6.67		P	50.0
6	☐			4.44		P	114.
7	☐			7.78		P	49.5
8	☐			1.11		P	173.
9	☐			5.56		P	91.6

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	63.89	0.0000	P	40.7
2	☐	0.100					
3	☐	1.000	1.035	4484.32	0.0016	P	5.6
4	☐	50.000	49.352	217861.13	0.0752	P	0.9
5	☐	125.000	125.375	565518.22	0.1911	P	0.8
6	☐	250.000	251.619	1208304.48	0.3835	P	0.5
7	☐	500.000	503.149	2563391.03	0.7668	A	0.5
8	☐	1000.000	998.006	5019409.14	1.5210	A	0.8
9	☐			2350.33	0.0007	P	7.6

$$y = 0.0015 * x + 2.2187E-005$$

$$R = 1.0000$$

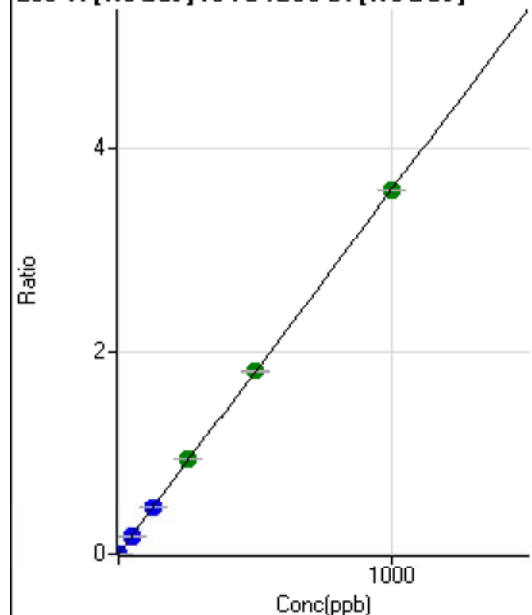
$$DL = 0.01776$$

$$BEC = 0.01456$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	122.23	0.0000	P	35.4
2	☐	0.100					
3	☐	1.000	1.029	10471.44	0.0037	P	4.4
4	☐	50.000	49.681	516706.24	0.1784	P	1.0
5	☐	125.000	127.127	1350998.23	0.4565	P	0.6
6	☐	250.000	257.960	2918588.17	0.9263	A	0.4
7	☐	500.000	500.475	6007480.82	1.7971	A	0.5
8	☐	1000.000	997.522	11820145.49	3.5819	A	0.1
9	☐			5548.71	0.0018	P	3.4

$$y = 0.0036 * x + 4.2388E-005$$

$$R = 1.0000$$

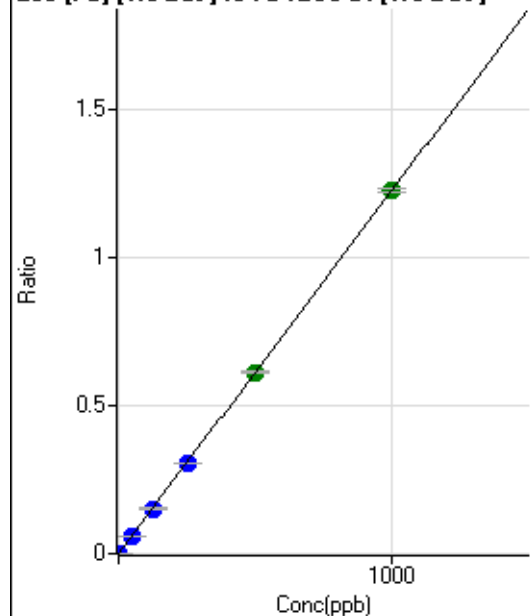
$$DL = 0.01254$$

$$BEC = 0.0118$$

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	314.83	0.0001	P	15.4
2	☐	0.100					
3	☐	1.000	0.996	3721.03	0.0013	P	2.7
4	☐	50.000	48.886	173446.23	0.0599	P	1.2
5	☐	125.000	124.377	450459.71	0.1522	P	1.0
6	☐	250.000	248.349	957348.15	0.3039	P	1.1
7	☐	500.000	500.746	2047727.95	0.6126	A	0.9
8	☐	1000.000	1000.173	4037235.19	1.2234	A	0.9
9	☐			5977.53	0.0019	P	1.7

$$y = 0.0012 * x + 1.0916E-004$$

$$R = 1.0000$$

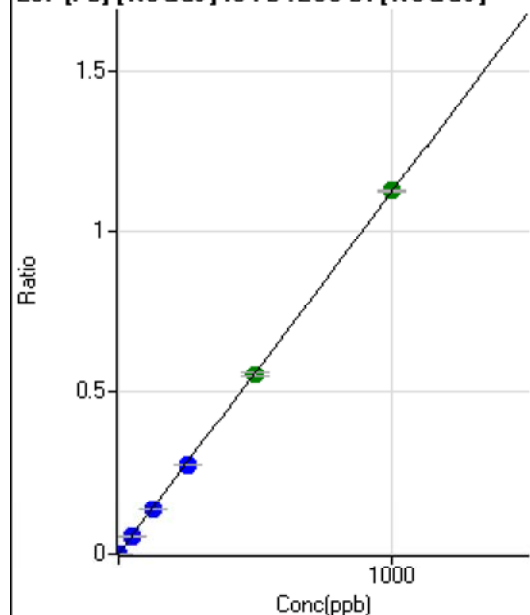
$$DL = 0.04126$$

$$BEC = 0.08925$$

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	268.53	0.0001	P	17.0
2	☐	0.100					
3	☐	1.000	1.032	3502.46	0.0012	P	1.4
4	☐	50.000	48.507	157745.25	0.0545	P	1.1
5	☐	125.000	123.976	411530.24	0.1391	P	1.5
6	☐	250.000	245.241	866526.39	0.2750	P	1.0
7	☐	500.000	495.355	1856793.15	0.5554	A	1.6
8	☐	1000.000	1003.715	3713751.82	1.1254	A	0.4
9	☐			5280.91	0.0017	P	5.9

$$y = 0.0011 * x + 9.2991E-005$$

$$R = 1.0000$$

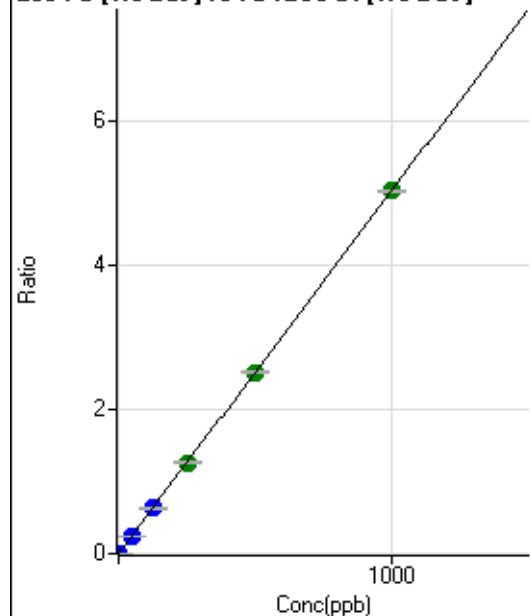
$$DL = 0.04233$$

$$BEC = 0.08295$$

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	1275.99	0.0004	P	11.2
2	☐	0.100					
3	☐	1.000	1.005	15400.45	0.0055	P	3.6
4	☐	50.000	48.772	711046.01	0.2455	P	0.7
5	☐	125.000	124.557	1853634.78	0.6264	P	0.9
6	☐	250.000	250.438	3966744.80	1.2590	A	1.0
7	☐	500.000	499.919	8400249.86	2.5128	A	1.1
8	☐	1000.000	1000.048	16586864.47	5.0263	A	0.4
9	☐			24139.38	0.0077	P	2.1

$$y = 0.0050 * x + 4.4236E-004$$

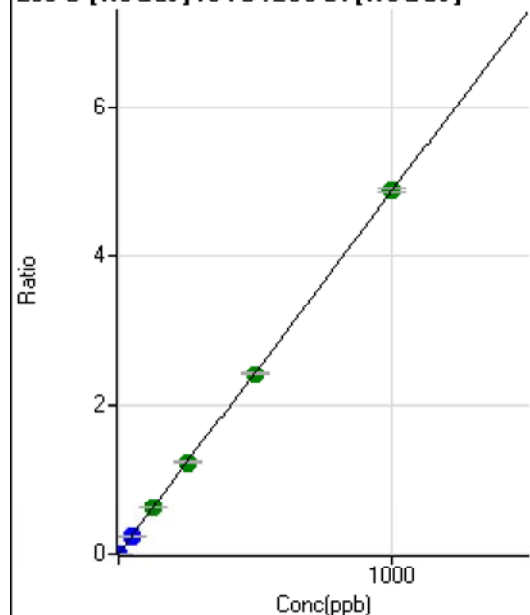
$$R = 1.0000$$

$$DL = 0.02958$$

$$BEC = 0.08802$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	25.00	0.0000	P	34.1
2	☐	0.100					
3	☐	1.000	1.018	13930.64	0.0050	P	0.2
4	☐	50.000	47.882	675753.66	0.2334	P	1.1
5	☐	125.000	125.861	1815290.69	0.6134	A	0.7
6	☐	250.000	252.156	3872273.44	1.2289	A	0.5
7	☐	500.000	495.638	8074613.63	2.4156	A	1.1
8	☐	1000.000	1001.640	16109194.28	4.8816	A	1.2
9	☐			2736.55	0.0009	P	1.9

$$y = 0.0049 * x + 8.6781E-006$$

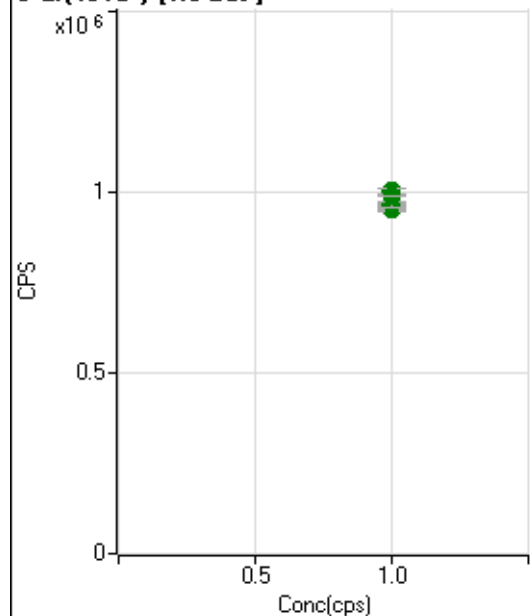
$$R = 1.0000$$

$$DL = 0.001821$$

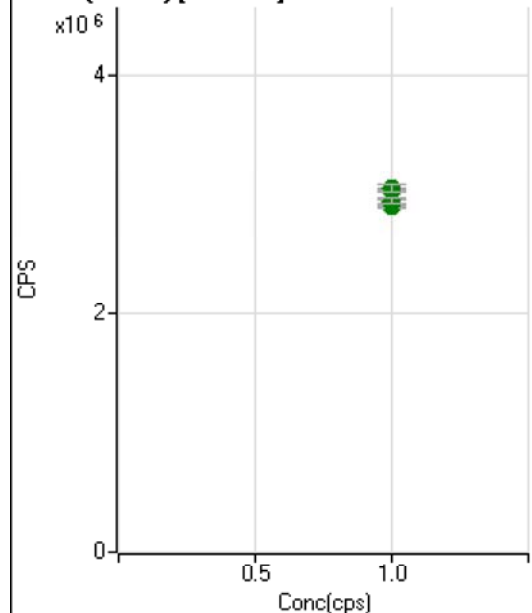
$$BEC = 0.001781$$

Weight: <None>

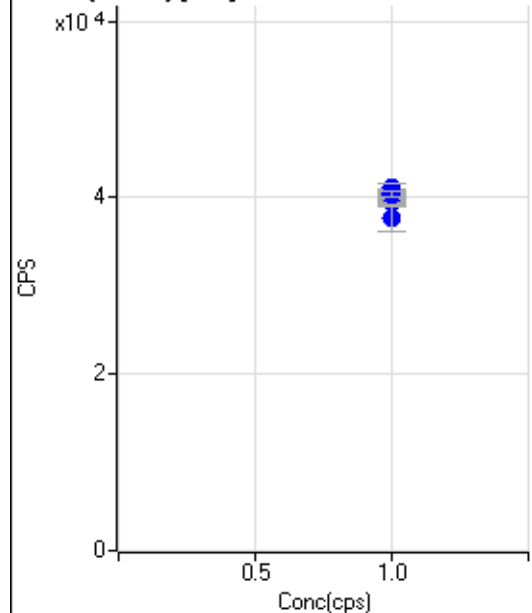
Min Conc: 0

6 Li(ISTD) [No Gas]

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		961099.97		A	1.1
2	☐	1.000					
3	☐	1.000		949135.59		A	1.0
4	☐	1.000		959926.12		A	0.8
5	☐	1.000		962140.32		A	2.7
6	☐	1.000		998123.99		A	2.3
7	☐	1.000		1002860.76		A	1.7
8	☐	1.000		965910.61		A	1.4
9	☐	1.000		989623.54		A	0.2

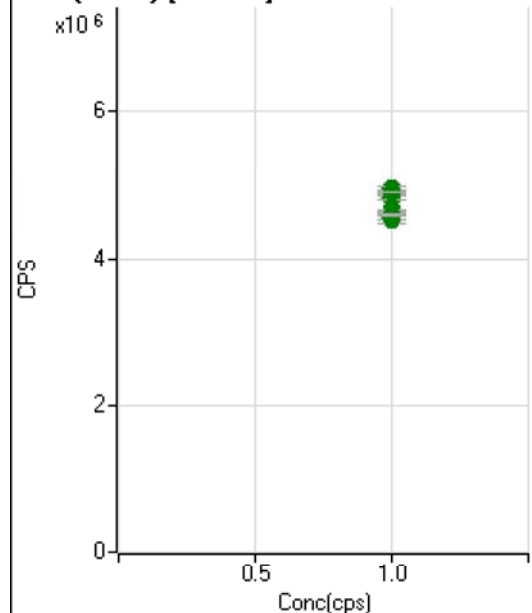
45 Sc(ISTD) [NoGas]

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		2940000.00		A	1.1
2	☐	1.000					
3	☐	1.000		2900528.43		A	0.4
4	☐	1.000		2938928.19		A	0.9
5	☐	1.000		2929834.25		A	1.4
6	☐	1.000		3025371.66		A	0.5
7	☐	1.000		3041469.90		A	0.8
8	☐	1.000		2942830.84		A	1.3
9	☐	1.000		3042932.29		A	2.1

45 Sc(ISTD) [He]

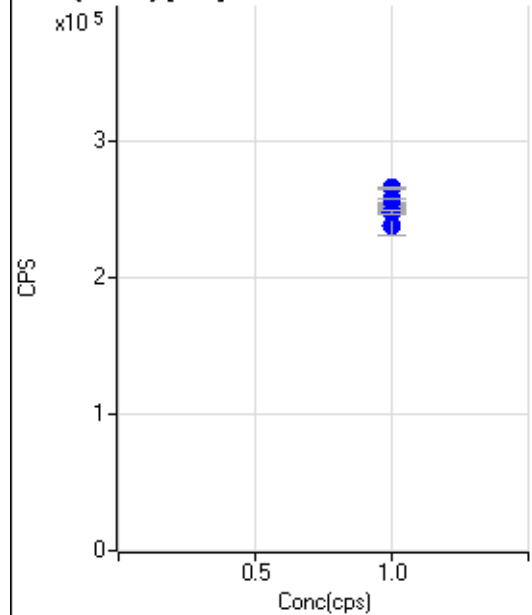
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		41120.14		P	2.4
2	☐	1.000					
3	☐	1.000		40607.62		P	1.8
4	☐	1.000		39884.48		P	1.3
5	☐	1.000		39386.41		P	0.7
6	☐	1.000		37619.68		P	7.3
7	☐	1.000		40262.20		P	1.0
8	☐	1.000		40229.91		P	1.9
9	☐	1.000		40480.64		P	1.8

89 Y (ISTD) [No Gas]

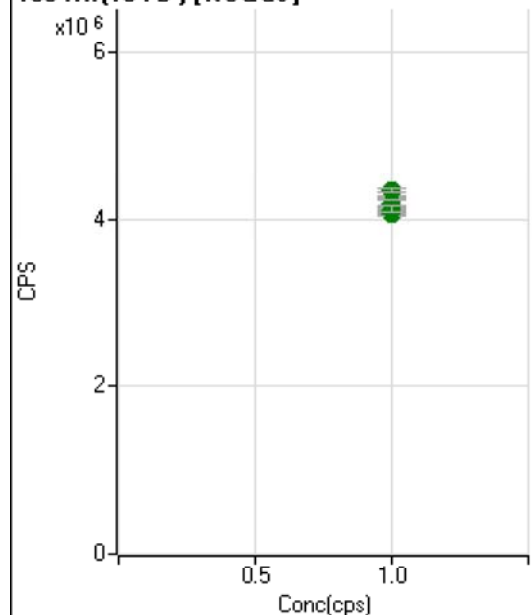


	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		4539940.07		A	2.1
2	☐	1.000					
3	☐	1.000		4579697.22		A	1.2
4	☐	1.000		4660035.49		A	0.1
5	☐	1.000		4605049.51		A	0.3
6	☐	1.000		4834563.26		A	1.3
7	☐	1.000		4952399.79		A	1.0
8	☐	1.000		4835906.15		A	1.6
9	☐	1.000		4911916.53		A	0.3

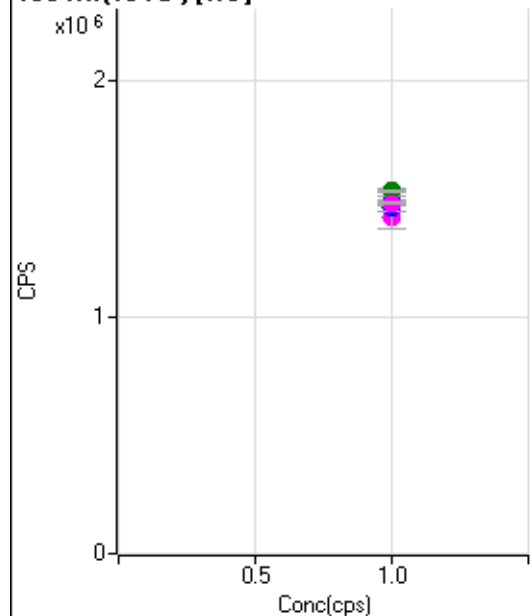
89 Y (ISTD) [He]



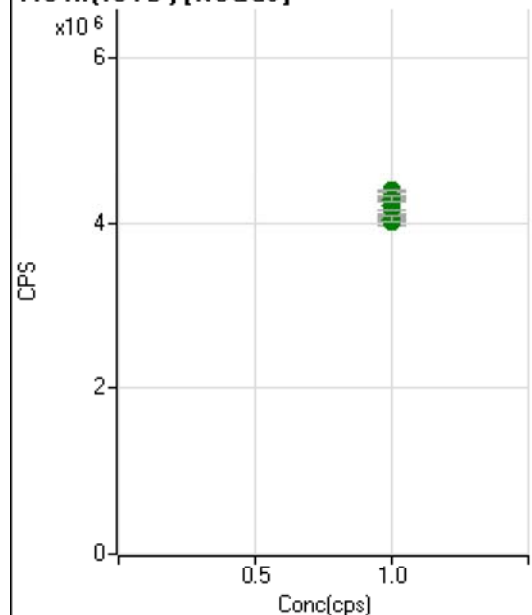
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		254834.54		P	0.2
2	☐	1.000					
3	☐	1.000		252240.52		P	0.9
4	☐	1.000		248240.08		P	0.8
5	☐	1.000		250884.30		P	0.5
6	☐	1.000		238090.15		P	6.7
7	☐	1.000		257213.81		P	0.1
8	☐	1.000		247622.12		P	1.1
9	☐	1.000		265263.36		P	0.8

103Rh(ISTD) [NoGas]

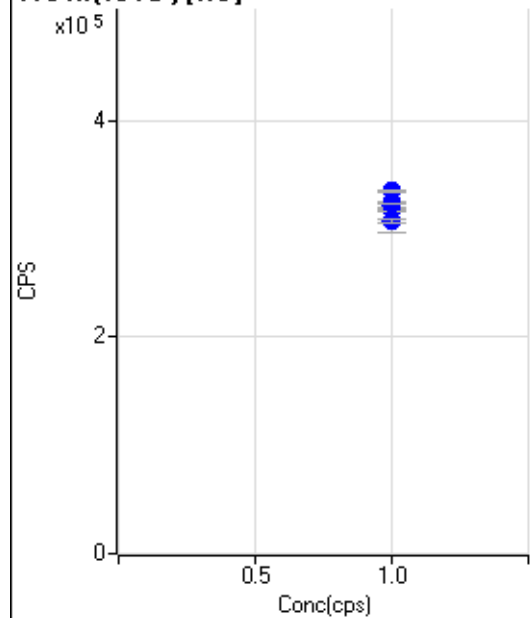
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		4076937.20		A	1.4
2	☐	1.000					
3	☐	1.000		4075247.49		A	0.5
4	☐	1.000		4099912.68		A	0.8
5	☐	1.000		4073222.01		A	1.3
6	☐	1.000		4267749.31		A	0.4
7	☐	1.000		4344426.53		A	0.9
8	☐	1.000		4187813.77		A	2.4
9	☐	1.000		4132302.39		A	1.3

103Rh(ISTD) [He]

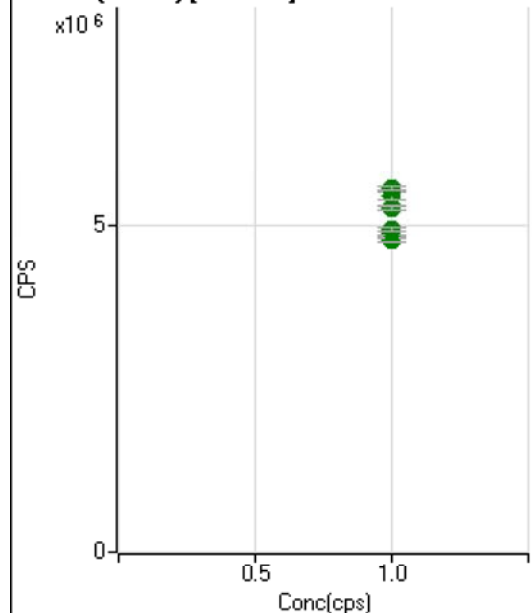
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		1527229.41		M	2.2
2	☐	1.000					
3	☐	1.000		1486765.04		P	0.6
4	☐	1.000		1472151.56		P	0.5
5	☐	1.000		1483227.01		P	0.4
6	☐	1.000		1420039.91		M	6.7
7	☐	1.000		1532040.33		A	0.8
8	☐	1.000		1458124.06		P	1.4
9	☐	1.000		1480000.41		M	0.4

115 In(ISTD) [NoGas]

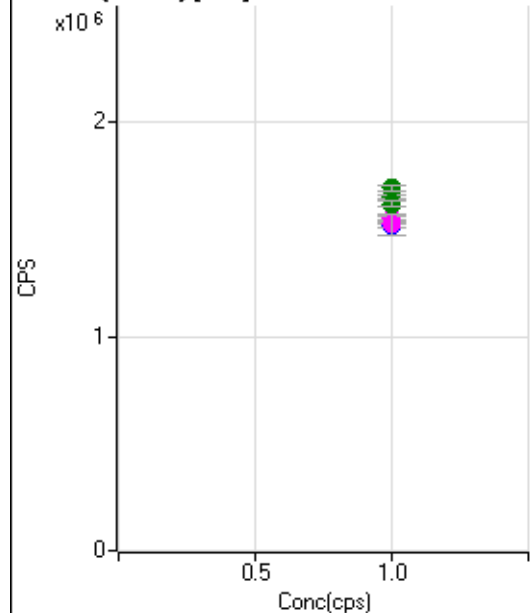
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		4034818.95		A	2.2
2	☐	1.000					
3	☐	1.000		4032693.20		A	0.7
4	☐	1.000		4086614.93		A	1.5
5	☐	1.000		4053132.24		A	1.8
6	☐	1.000		4294177.51		A	1.1
7	☐	1.000		4390608.87		A	0.7
8	☐	1.000		4220161.39		A	2.1
9	☐	1.000		4293264.55		A	1.6

115 In(ISTD) [He]

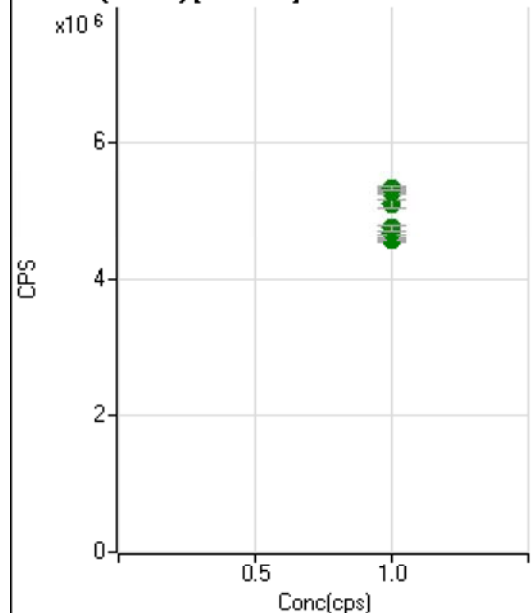
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		324144.80		P	1.0
2	☐	1.000					
3	☐	1.000		321355.07		P	0.7
4	☐	1.000		318765.02		P	0.5
5	☐	1.000		321087.04		P	0.9
6	☐	1.000		306409.15		P	6.0
7	☐	1.000		323430.15		P	0.4
8	☐	1.000		306535.28		P	1.2
9	☐	1.000		335097.57		P	0.4

159 Tb(ISTD) [No Gas]

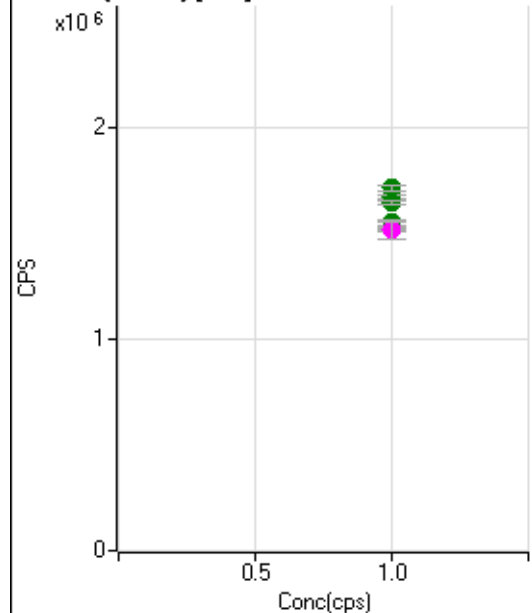
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		4776695.07		A	1.6
2	☐	1.000					
3	☐	1.000		4756566.84		A	0.9
4	☐	1.000		4876109.27		A	1.0
5	☐	1.000		4930361.98		A	1.4
6	☐	1.000		5263821.69		A	1.3
7	☐	1.000		5495442.14		A	0.6
8	☐	1.000		5429948.95		A	2.0
9	☐	1.000		5541315.33		A	1.2

159 Tb(ISTD) [He]

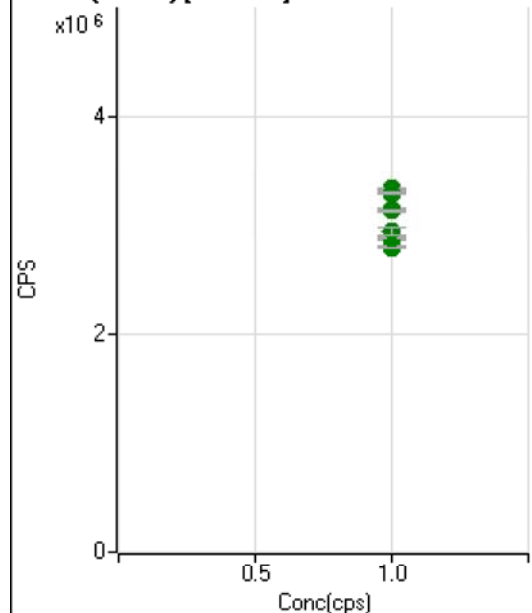
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		1531923.05		A	0.8
2	☐	1.000					
3	☐	1.000		1514528.78		M	1.2
4	☐	1.000		1516816.54		P	1.1
5	☐	1.000		1557352.84		M	1.2
6	☐	1.000		1523897.10		M	6.6
7	☐	1.000		1652997.63		A	1.1
8	☐	1.000		1618801.42		A	1.6
9	☐	1.000		1694743.92		A	1.3

165 Ho(ISTD) [NoGas]

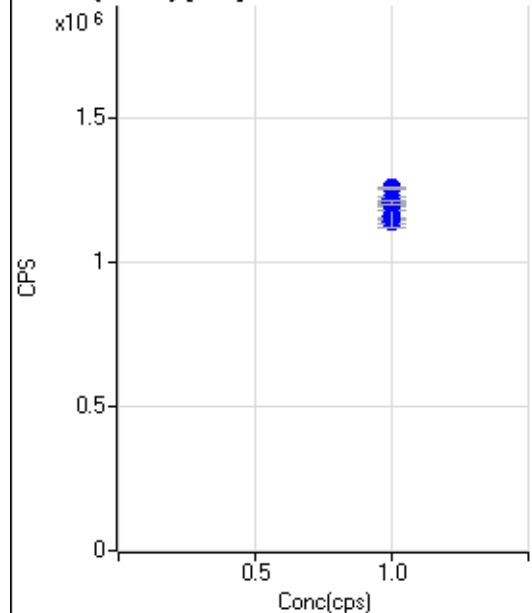
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		4551542.64		A	1.0
2	☐	1.000					
3	☐	1.000		4569121.85		A	0.1
4	☐	1.000		4658263.04		A	1.0
5	☐	1.000		4739096.24		A	2.2
6	☐	1.000		5090892.91		A	2.0
7	☐	1.000		5295234.88		A	1.1
8	☐	1.000		5257985.15		A	0.5
9	☐	1.000		5305866.05		A	1.1

165 Ho(ISTD) [He]

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		1527295.20		P	0.8
2	☐	1.000					
3	☐	1.000		1515074.30		M	1.2
4	☐	1.000		1532435.17		M	0.9
5	☐	1.000		1559882.72		A	1.0
6	☐	1.000		1517628.42		M	5.5
7	☐	1.000		1677085.60		A	0.9
8	☐	1.000		1645869.92		A	1.4
9	☐	1.000		1716755.72		A	1.3

209 Bi(ISTD) [No Gas]

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		2886040.79		A	0.8
2	☐	1.000					
3	☐	1.000		2802875.72		A	0.7
4	☐	1.000		2895773.29		A	0.7
5	☐	1.000		2959439.75		A	1.9
6	☐	1.000		3150843.15		A	1.1
7	☐	1.000		3342927.69		A	0.7
8	☐	1.000		3300004.92		A	0.6
9	☐	1.000		3150100.51		A	0.7

209 Bi(ISTD) [He]

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		1151675.31		P	0.3
2	☐	1.000					
3	☐	1.000		1138534.33		P	0.9
4	☐	1.000		1152561.44		P	0.3
5	☐	1.000		1176948.65		P	0.2
6	☐	1.000		1155403.55		P	6.2
7	☐	1.000		1255809.26		P	0.3
8	☐	1.000		1216372.55		P	1.4
9	☐	1.000		1204228.56		P	0.7