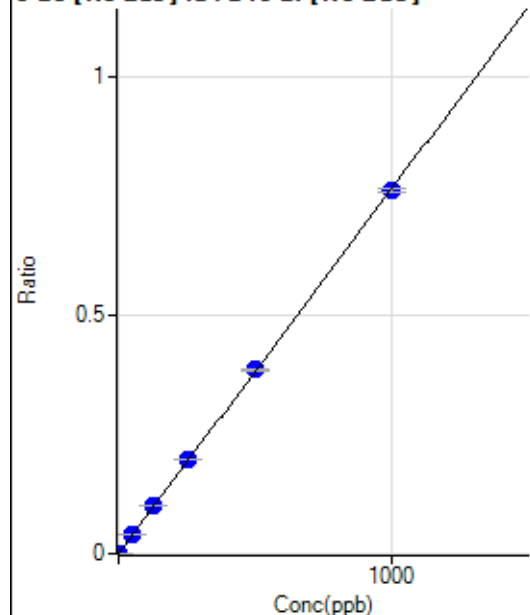


Batch Folder: D:\ICP-MS Data\P7120418MS.b\
Analysis File: P7120418MS.batch.bin
DA Date-Time: 2018-12-04 18:58:44
Calibration Title:
Calibration Method: External Calibration
VIS Interpolation Fit:

Level	Standard Data File	Sample Name	Acq. Date-Time
1	003CALB.d	S00	2018-12-04 14:34:37
2			
3	005CALS.d	S02	2018-12-04 14:42:30
4	006CALS.d	S03	2018-12-04 14:46:40
5	007CALS.d	S04	2018-12-04 14:50:50
6	008CALS.d	S05	2018-12-04 14:54:37
7	009CALS.d	S06	2018-12-04 14:58:23
8	010CALS.d	S07	2018-12-04 15:02:07
9	011CALS.d	S08	2018-12-04 15:05:52

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	33.33	0.0000	P	33.7
2	☐	0.100					
3	☐	1.000	0.974	3380.09	0.0008	P	2.2
4	☐	50.000	52.875	183129.28	0.0404	P	0.4
5	☐	125.000	131.403	442106.04	0.1003	P	0.2
6	☐	250.000	257.986	817248.95	0.1969	P	0.9
7	☐	500.000	504.249	1533094.32	0.3849	P	0.5
8	☐	1000.000	994.935	3006099.58	0.7595	P	1.2
9	☐			653.74	0.0002	P	6.4

$$y = 7.6335E-004 * x + 7.4122E-006$$

$$R = 0.9999$$

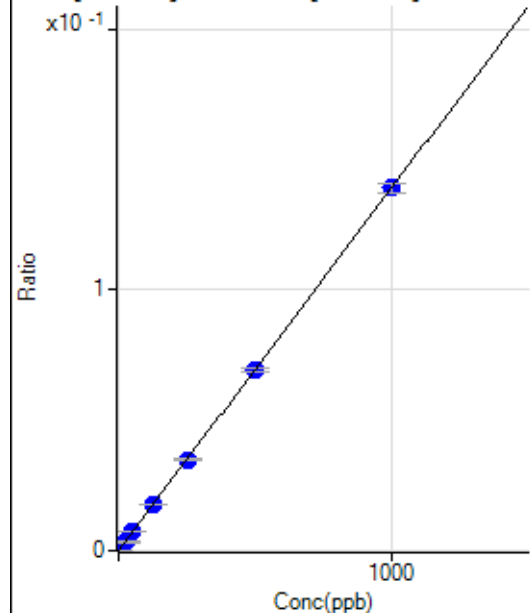
$$DL = 0.009818$$

$$BEC = 0.00971$$

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	219.45	0.0000	P	7.6
2	☐	2.500					
3	☐	25.000	23.576	14982.95	0.0033	P	1.9
4	☐	50.000	50.462	32076.59	0.0071	P	1.1
5	☐	125.000	126.605	77861.62	0.0177	P	2.4
6	☐	250.000	250.946	145115.45	0.0350	P	1.3
7	☐	500.000	498.926	276737.31	0.0695	P	1.4
8	☐	1000.000	1000.112	551036.88	0.1392	P	2.8
9	☐			15322.28	0.0039	P	9.3

$$y = 1.3916E-004 * x + 4.8739E-005$$

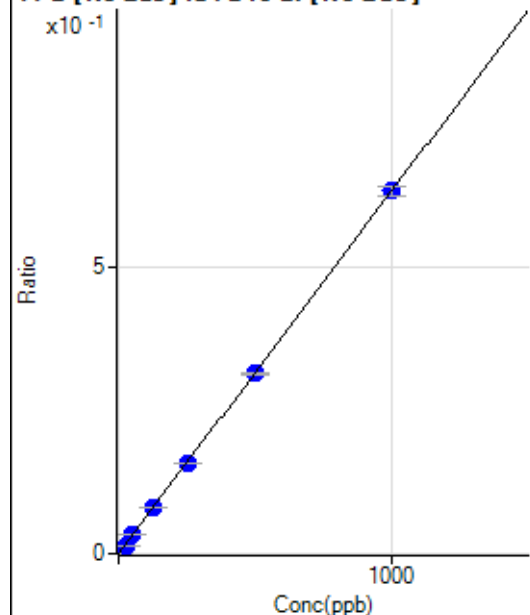
$$R = 1.0000$$

$$DL = 0.07971$$

$$BEC = 0.3502$$

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	1116.75	0.0002	P	4.9
2	☐	2.500					
3	☐	25.000	23.092	66979.66	0.0149	P	1.1
4	☐	50.000	51.226	148430.21	0.0327	P	0.9
5	☐	125.000	126.617	354818.39	0.0805	P	1.4
6	☐	250.000	250.234	659245.99	0.1589	P	1.0
7	☐	500.000	497.464	1256935.66	0.3156	P	0.9
8	☐	1000.000	1000.994	2512298.36	0.6348	P	2.8
9	☐			69680.72	0.0175	P	6.9

$$y = 6.3390E-004 * x + 2.4802E-004$$

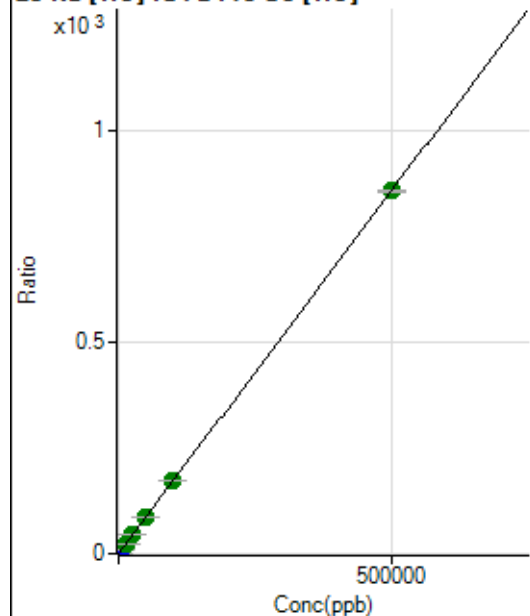
$$R = 1.0000$$

$$DL = 0.05693$$

$$BEC = 0.3913$$

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	6371.03	0.0187	P	4.5
2	☐	50.000					
3	☐	500.000	457.690	273840.95	0.8051	P	0.8
4	☐	5000.000	5077.172	2910538.50	8.7427	P	0.6
5	☐	12500.000	12665.029	6940971.86	21.7809	A	0.4
6	☐	25000.000	25310.192	12840052.63	43.5089	A	0.4
7	☐	50000.000	50556.162	25523065.50	86.8889	A	0.8
8	☐	100000.00	100197.01	52194530.68	172.1863	A	0.7
9	☐	500000.00	499884.61	280617745.1	858.9660	A	0.4

$$y = 0.0017 * x + 0.0187$$

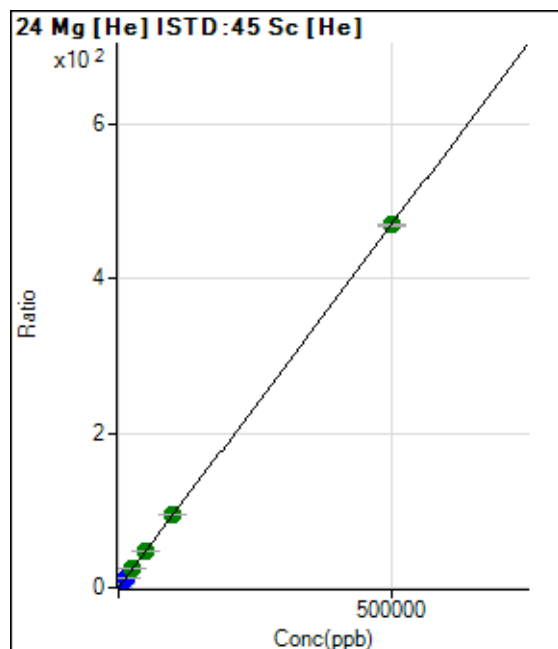
$$R = 1.0000$$

$$DL = 1.461$$

$$BEC = 10.86$$

Weight: <None>

Min Conc: 0



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	116.67	0.0003	P	8.1
2	☐	50.000					
3	☐	500.000	459.850	147069.50	0.4324	P	0.4
4	☐	5000.000	5162.236	1614735.48	4.8504	P	1.0
5	☐	12500.000	12919.595	3868243.23	12.1386	P	0.3
6	☐	25000.000	25673.147	7118391.13	24.1209	A	0.5
7	☐	50000.000	50931.915	14056021.32	47.8522	A	1.2
8	☐	100000.00	100479.42	28616016.61	94.4034	A	0.6
9	☐	500000.00	499765.19	153402467.3	469.5427	A	0.4

$$y = 9.3953\text{E-}004 * x + 3.4177\text{E-}004$$

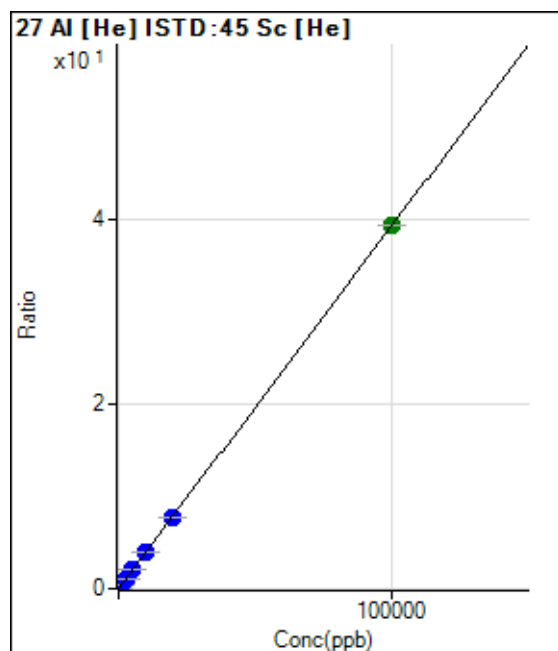
$$R = 1.0000$$

$$DL = 0.08866$$

$$BEC = 0.3638$$

Weight: <None>

Min Conc: 0



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	22.22	0.0001	P	94.4
2	☐	2.000					
3	☐	20.000	19.053	2564.23	0.0075	P	5.6
4	☐	1000.000	1017.043	132863.41	0.3991	P	1.8
5	☐	2500.000	2539.127	317475.35	0.9963	P	0.4
6	☐	5000.000	5089.772	589328.67	1.9970	P	0.4
7	☐	10000.000	10095.124	1163439.90	3.9607	P	1.0
8	☐	20000.000	19576.557	2328256.84	7.6806	P	0.4
9	☐	100000.00	100069.53	12826199.59	39.2607	A	0.1

$$y = 3.9233\text{E-}004 * x + 6.4662\text{E-}005$$

$$R = 1.0000$$

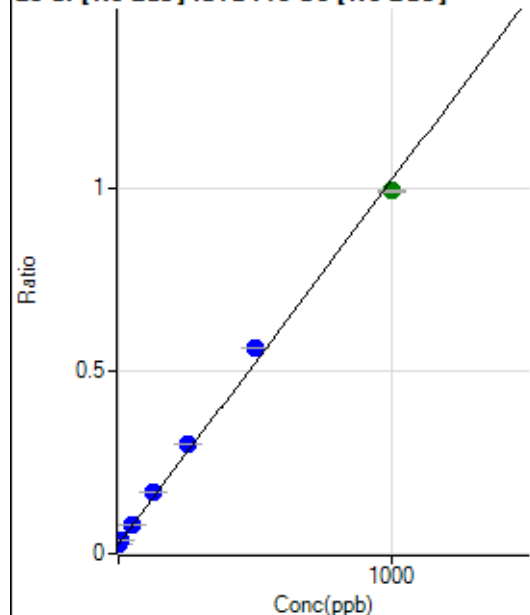
$$DL = 0.4667$$

$$BEC = 0.1648$$

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	219143.28	0.0257	P	0.9
2	☐	1.000					
3	☐	10.000	9.695	301154.81	0.0353	P	0.7
4	☐	50.000	55.910	690708.40	0.0812	P	0.3
5	☐	125.000	141.196	1346235.56	0.1660	P	0.2
6	☐	250.000	274.687	2272114.18	0.2986	P	0.1
7	☐	500.000	539.975	4109255.39	0.5622	P	0.5
8	☐	1000.000	971.524	7345058.84	0.9910	A	0.4
9	☐			538951.53	0.0692	P	0.7

$$y = 9.9359\text{E-}004 * x + 0.0257$$

$$R = 0.9984$$

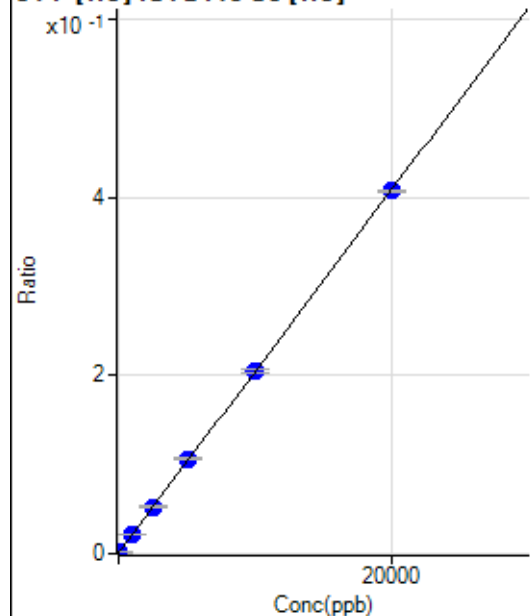
$$DL = 0.6603$$

$$BEC = 25.82$$

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	-25.080	91.67	0.0003	P	17.3
2	☐	0.000					
3	☐	0.000	25.080	438.91	0.0013	P	8.0
4	☐	1000.000	1020.898	7188.10	0.0216	P	1.0
5	☐	2500.000	2548.148	16798.98	0.0527	P	2.3
6	☐	5000.000	5183.434	31414.61	0.1064	P	2.2
7	☐	10000.000	10003.522	60130.88	0.2047	P	1.6
8	☐	20000.000	19945.317	123496.71	0.4074	P	0.8
9	☐			202.79	0.0006	P	26.4

$$y = 2.0386\text{E-}005 * x + 7.7938\text{E-}004$$

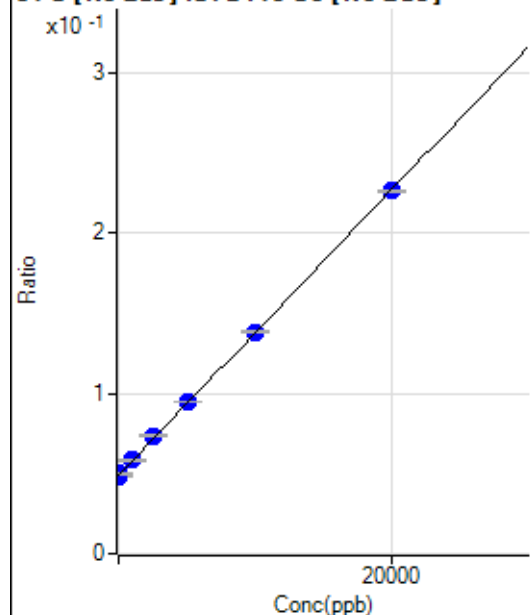
$$R = 1.0000$$

$$DL = 11.04$$

$$BEC = 38.23$$

Weight: <None>

Min Conc: 0

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

	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	-101.117	410351.44	0.0480	P	0.3
2	☐	0.000					
3	☐	0.000	101.117	425389.04	0.0499	P	1.1
4	☐	1000.000	1072.902	497701.22	0.0585	P	1.2
5	☐	2500.000	2772.792	597703.48	0.0737	P	0.7
6	☐	5000.000	5125.653	720360.15	0.0947	P	0.4
7	☐	10000.000	10040.728	1012369.34	0.1385	P	1.0
8	☐	20000.000	19910.479	1679044.76	0.2265	P	0.4
9	☐			360241.07	0.0463	P	0.1

$$y = 8.9188\text{E-}006 * x + 0.0489$$

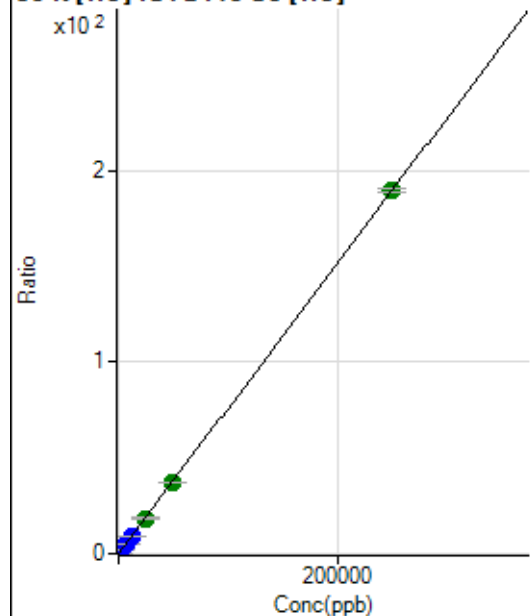
$$R = 0.9999$$

$$DL = 110.2$$

$$BEC = 5488$$

Weight: <None>

Min Conc: 0

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

	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	17349.62	0.0508	P	3.0
2	☐	50.000					
3	☐	500.000	460.716	135866.64	0.3994	P	0.9
4	☐	2500.000	2503.759	647667.79	1.9455	P	0.9
5	☐	6250.000	6218.051	1515642.47	4.7563	P	0.6
6	☐	12500.000	12331.930	2769038.93	9.3829	P	0.3
7	☐	25000.000	24450.157	5449928.94	18.5533	A	0.7
8	☐	50000.000	48661.429	11178313.88	36.8750	A	0.3
9	☐	250000.00	250331.94	61907781.94	189.4877	A	1.0

$$y = 7.5674\text{E-}004 * x + 0.0508$$

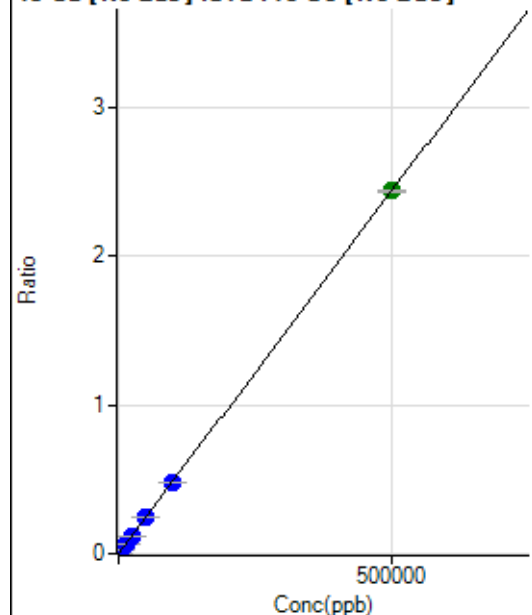
$$R = 1.0000$$

$$DL = 6.102$$

$$BEC = 67.14$$

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	52.78	0.0000	P	24.2
2	☐	50.000					
3	☐	500.000	454.755	18962.83	0.0022	P	1.8
4	☐	5000.000	4968.838	205998.73	0.0242	P	0.9
5	☐	12500.000	12496.530	494085.34	0.0609	P	0.5
6	☐	25000.000	24646.237	914035.21	0.1201	P	0.4
7	☐	50000.000	49432.352	1760889.99	0.2409	P	0.9
8	☐	100000.00	98430.339	3555545.70	0.4797	P	0.4
9	☐	500000.00	500388.82	18985480.46	2.4385	A	0.3

$$y = 4.8733\text{E-}006 * x + 6.1814\text{E-}006$$

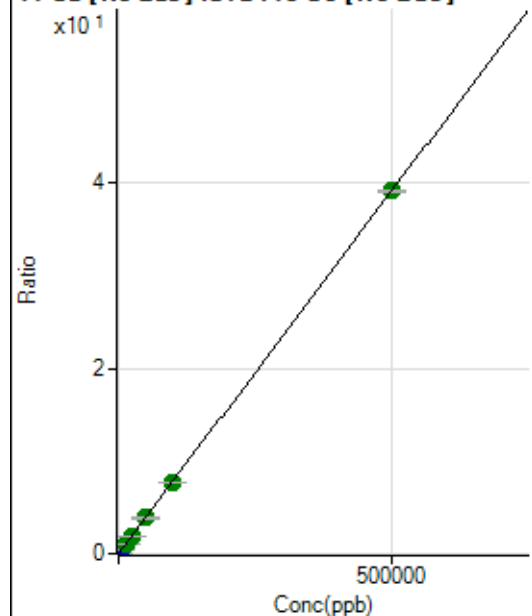
$$R = 1.0000$$

$$DL = 0.9219$$

$$BEC = 1.268$$

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	6488.29	0.0008	P	4.0
2	☐	50.000					
3	☐	500.000	453.163	308815.45	0.0362	P	0.6
4	☐	5000.000	4956.814	3302512.86	0.3883	P	0.9
5	☐	12500.000	12453.181	7904678.13	0.9744	A	0.2
6	☐	25000.000	24754.544	14733825.16	1.9362	A	0.5
7	☐	50000.000	49160.413	28100566.95	3.8443	A	0.4
8	☐	100000.00	98256.869	56947308.91	7.6829	A	0.3
9	☐	500000.00	500446.50	304622417.9	39.1279	A	0.7

$$y = 7.8184\text{E-}005 * x + 7.5977\text{E-}004$$

$$R = 1.0000$$

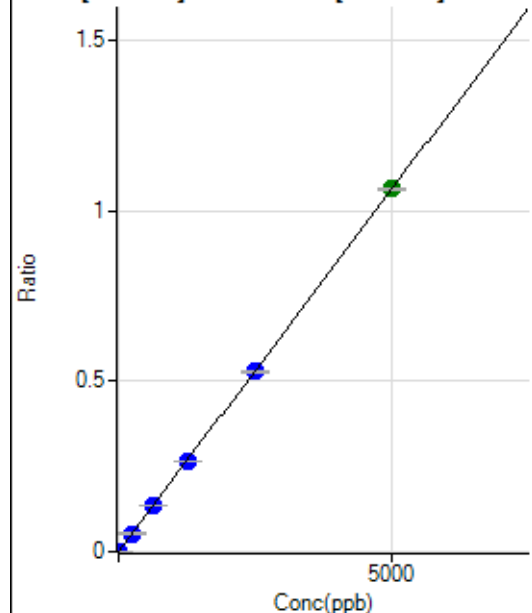
$$DL = 1.176$$

$$BEC = 9.718$$

Weight: <None>

Min Conc: 0

47 Ti [No Gas] ISTD:45 Sc [No Gas]



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	61.11	0.0000	P	41.8
2	☐	0.500					
3	☐	5.000	4.851	8858.55	0.0010	P	3.8
4	☐	250.000	251.396	454511.25	0.0534	P	1.1
5	☐	625.000	632.538	1090656.63	0.1344	P	0.4
6	☐	1250.000	1247.000	2016872.62	0.2650	P	0.2
7	☐	2500.000	2482.420	3856685.59	0.5276	P	0.4
8	☐	5000.000	5008.528	7890239.93	1.0645	A	0.3
9	☐			6554.51	0.0008	P	2.4

$$y = 2.1254\text{E-}004 * x + 7.1579\text{E-}006$$

$$R = 1.0000$$

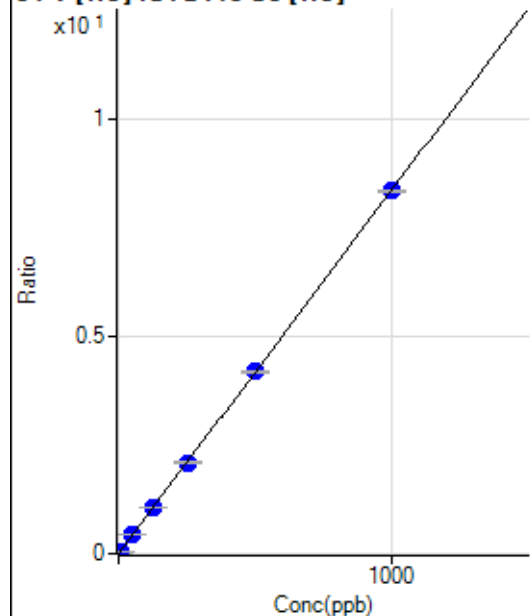
$$DL = 0.04226$$

$$BEC = 0.03368$$

Weight: <None>

Min Conc: 0

51 V [He] ISTD:45 Sc [He]



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	2.22	0.0000	P	86.6
2	☐	0.500					
3	☐	5.000	4.849	13812.16	0.0406	P	2.4
4	☐	50.000	51.177	142639.15	0.4285	P	1.1
5	☐	125.000	126.230	336763.88	1.0568	P	0.9
6	☐	250.000	251.301	620903.57	2.1039	P	0.3
7	☐	500.000	501.722	1233873.59	4.2005	P	0.9
8	☐	1000.000	998.602	2534347.24	8.3605	P	0.4
9	☐			1027.83	0.0031	P	1.1

$$y = 0.0084 * x + 6.5213\text{E-}006$$

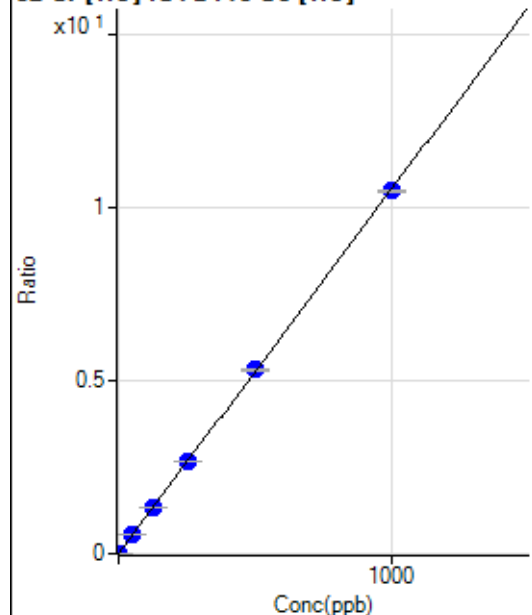
$$R = 1.0000$$

$$DL = 0.002024$$

$$BEC = 0.0007789$$

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	1012.28	0.0030	P	9.5
2	☐	0.200					
3	☐	2.000	1.901	7819.98	0.0230	P	0.7
4	☐	50.000	51.872	182910.02	0.5494	P	0.6
5	☐	125.000	128.029	430753.47	1.3517	P	0.5
6	☐	250.000	254.710	792769.93	2.6863	P	0.3
7	☐	500.000	505.665	1565676.68	5.3301	P	1.0
8	☐	1000.000	995.518	3180089.22	10.4907	P	0.3
9	☐			115917.98	0.3548	P	0.1

$$y = 0.0105 * x + 0.0030$$

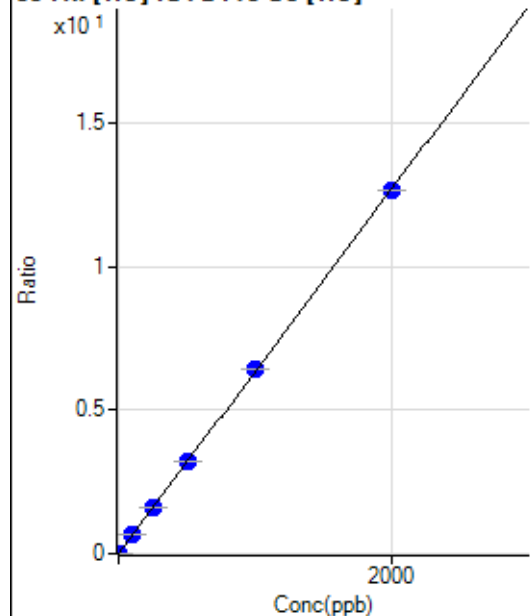
$$R = 1.0000$$

$$DL = 0.07995$$

$$BEC = 0.2814$$

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	30.00	0.0001	P	41.2
2	☐	0.100					
3	☐	1.000	0.987	2156.86	0.0063	P	4.7
4	☐	100.000	102.709	216761.72	0.6511	P	1.6
5	☐	250.000	256.360	517870.49	1.6251	P	0.1
6	☐	500.000	507.452	949281.25	3.2166	P	0.6
7	☐	1000.000	1012.490	1885212.99	6.4179	P	0.9
8	☐	2000.000	1990.962	3825637.27	12.6201	P	0.2
9	☐			27702.96	0.0848	P	1.7

$$y = 0.0063 * x + 8.8088E-005$$

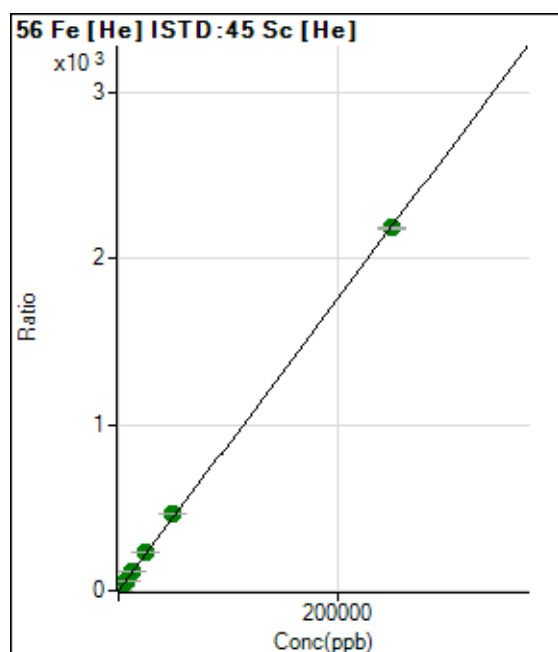
$$R = 1.0000$$

$$DL = 0.01718$$

$$BEC = 0.0139$$

Weight: <None>

Min Conc: 0



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	3759.85	0.0110	P	6.4
2	☐	5.000					
3	☐	50.000	51.828	158407.52	0.4657	P	0.7
4	☐	2500.000	2698.555	7885472.51	23.6865	A	0.5
5	☐	6250.000	6721.159	18794743.24	58.9783	A	0.4
6	☐	12500.000	13351.204	34571270.68	117.1462	A	0.6
7	☐	25000.000	26614.817	68593161.26	233.5129	A	0.9
8	☐	50000.000	52332.490	139183074.4	459.1438	A	0.3
9	☐	250000.00	249315.69	714575675.2	2,187.352	A	0.7

$$y = 0.0088 * x + 0.0110$$

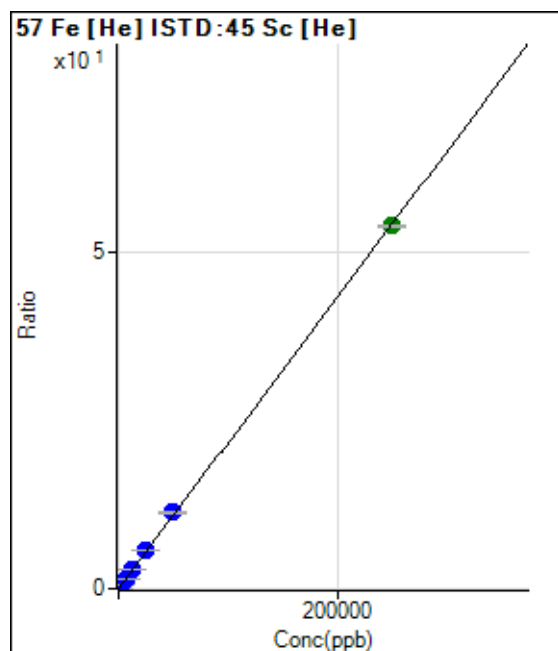
$$R = 0.9999$$

$$DL = 0.241$$

$$BEC = 1.255$$

Weight: <None>

Min Conc: 0



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	151.86	0.0004	P	20.0
2	☐	5.000					
3	☐	50.000	52.494	4009.92	0.0118	P	1.8
4	☐	2500.000	2712.032	195273.80	0.5866	P	0.4
5	☐	6250.000	6726.978	463407.44	1.4543	P	1.0
6	☐	12500.000	13351.942	851712.85	2.8861	P	0.5
7	☐	25000.000	26544.030	1685248.20	5.7371	P	0.7
8	☐	50000.000	52308.648	3426997.50	11.3053	P	0.5
9	☐	250000.00	249327.22	17603449.58	53.8848	A	0.4

$$y = 2.1612E-004 * x + 4.4459E-004$$

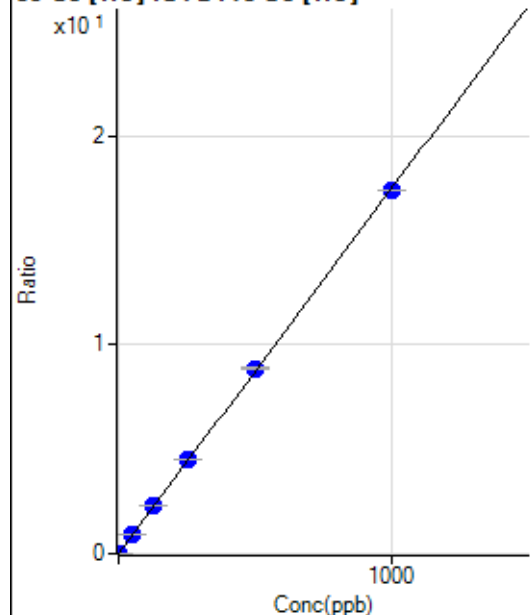
$$R = 0.9999$$

$$DL = 1.233$$

$$BEC = 2.057$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	73.33	0.0002	P	23.1
2	☐	0.100					
3	☐	1.000	0.947	5701.20	0.0168	P	1.5
4	☐	50.000	53.218	309695.22	0.9303	P	0.5
5	☐	125.000	130.885	728966.83	2.2876	P	0.7
6	☐	250.000	257.766	1329486.30	4.5050	P	0.4
7	☐	500.000	506.675	2601108.97	8.8550	P	0.7
8	☐	1000.000	993.825	5265085.27	17.3685	P	0.2
9	☐			67821.45	0.2076	P	0.5

$$y = 0.0175 * x + 2.1454E-004$$

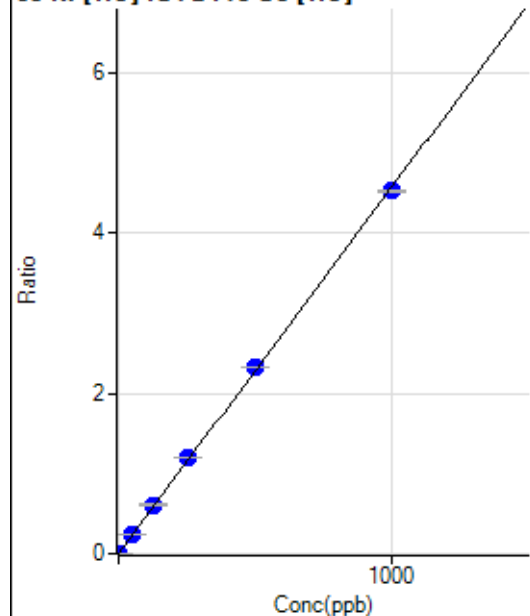
$$R = 0.9999$$

$$DL = 0.008492$$

$$BEC = 0.01228$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	75.56	0.0002	P	14.6
2	☐	0.100					
3	☐	1.000	1.006	1637.90	0.0048	P	2.6
4	☐	50.000	54.295	82641.30	0.2482	P	0.5
5	☐	125.000	133.120	193836.04	0.6083	P	1.5
6	☐	250.000	261.989	353249.50	1.1970	P	0.4
7	☐	500.000	510.036	684449.82	2.3301	P	0.8
8	☐	1000.000	990.755	1371978.50	4.5260	P	0.4
9	☐			43788.70	0.1340	P	1.0

$$y = 0.0046 * x + 2.2144E-004$$

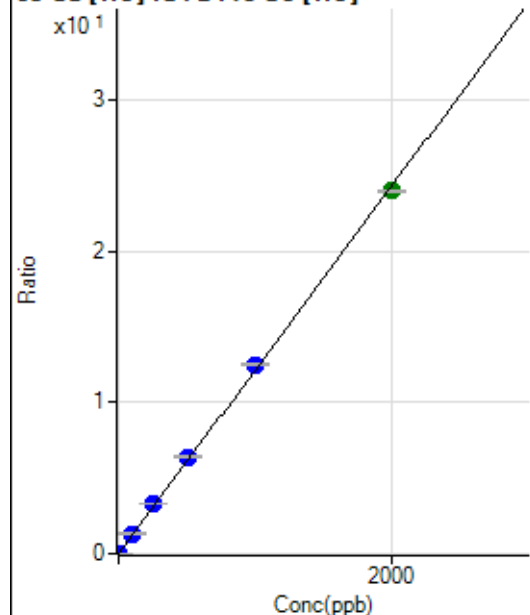
$$R = 0.9998$$

$$DL = 0.02118$$

$$BEC = 0.04848$$

Weight: <None>

Min Conc: 0

⁶³Cu [He] ISTD:45 Sc [He]

	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	303.34	0.0009	P	18.9
2	☐	0.200					
3	☐	2.000	2.049	8760.53	0.0258	P	0.2
4	☐	100.000	109.702	443480.16	1.3321	P	0.8
5	☐	250.000	268.570	1038822.37	3.2600	P	0.9
6	☐	500.000	528.699	1893667.28	6.4167	P	0.4
7	☐	1000.000	1029.053	3668480.85	12.4886	P	0.7
8	☐	2000.000	1975.493	7267242.46	23.9739	A	0.4
9	☐			18536.40	0.0567	P	1.9

$$y = 0.0121 * x + 8.8778E-004$$

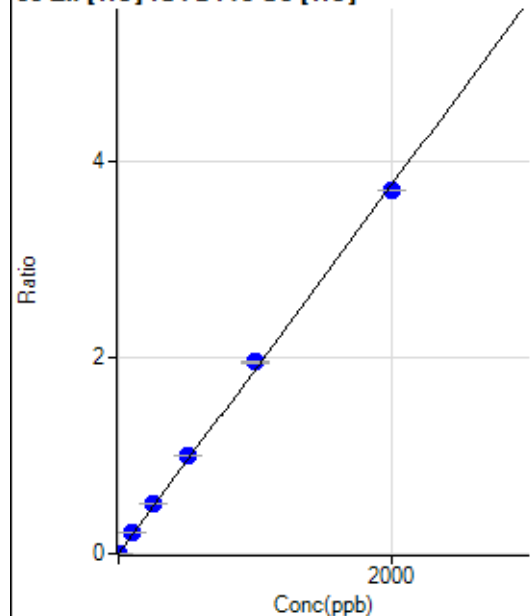
$$R = 0.9997$$

$$DL = 0.04148$$

$$BEC = 0.07316$$

Weight: <None>

Min Conc: 0

⁶⁶Zn [He] ISTD:45 Sc [He]

	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	225.56	0.0007	P	5.9
2	☐	0.200					
3	☐	2.000	1.971	1482.32	0.0044	P	2.6
4	☐	100.000	109.861	68821.21	0.2067	P	0.9
5	☐	250.000	268.711	160831.12	0.5047	P	0.5
6	☐	500.000	532.895	295181.84	1.0002	P	0.6
7	☐	1000.000	1039.293	572834.61	1.9501	P	0.7
8	☐	2000.000	1969.298	1119974.81	3.6945	P	0.0
9	☐			10709.62	0.0328	P	3.0

$$y = 0.0019 * x + 6.6040E-004$$

$$R = 0.9995$$

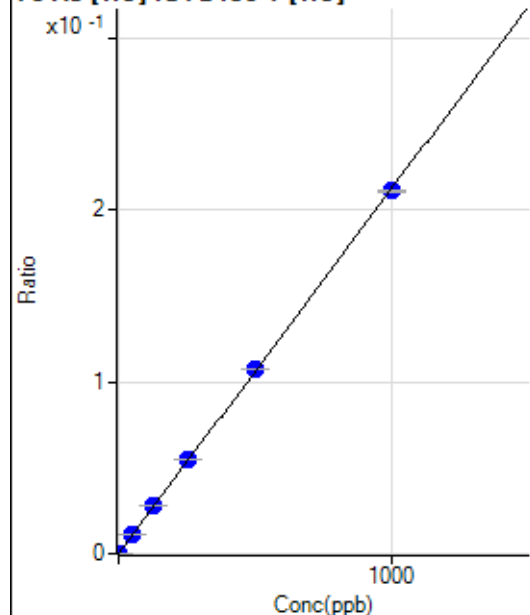
$$DL = 0.06189$$

$$BEC = 0.3521$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	6.17	0.0000	P	34.7
2	☐	0.100					
3	☐	1.000	0.956	374.70	0.0002	P	3.9
4	☐	50.000	52.218	19809.85	0.0111	P	0.7
5	☐	125.000	131.258	47269.71	0.0279	P	0.5
6	☐	250.000	256.918	86192.11	0.0545	P	0.1
7	☐	500.000	505.889	170086.02	0.1074	P	0.5
8	☐	1000.000	994.433	343186.15	0.2111	P	0.3
9	☐			635.82	0.0004	P	1.6

$$y = 2.1229\text{E-}004 * x + 3.3902\text{E-}006$$

$$R = 0.9999$$

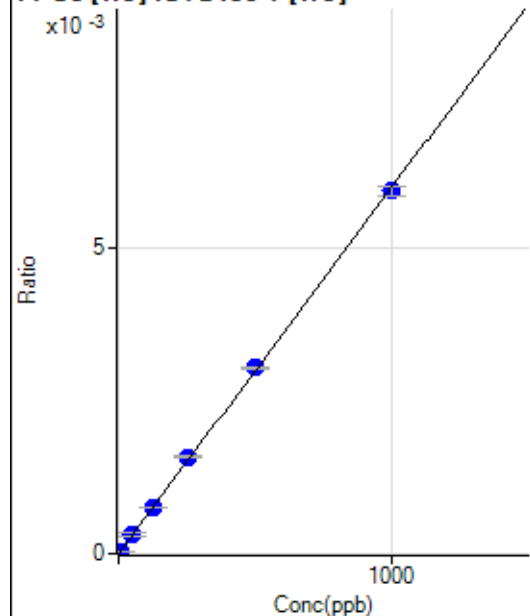
$$DL = 0.01662$$

$$BEC = 0.01597$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	0.00	0.0000	P	
2	☐	0.500					
3	☐	5.000	5.114	55.56	0.0000	P	3.1
4	☐	50.000	52.823	564.47	0.0003	P	11.8
5	☐	125.000	126.266	1281.19	0.0008	P	3.7
6	☐	250.000	265.320	2508.04	0.0016	P	1.4
7	☐	500.000	508.870	4820.88	0.0030	P	0.7
8	☐	1000.000	991.435	9642.25	0.0059	P	2.5
9	☐			15.56	0.0000	P	33.0

$$y = 5.9822\text{E-}006 * x + 0.0000\text{E+}000$$

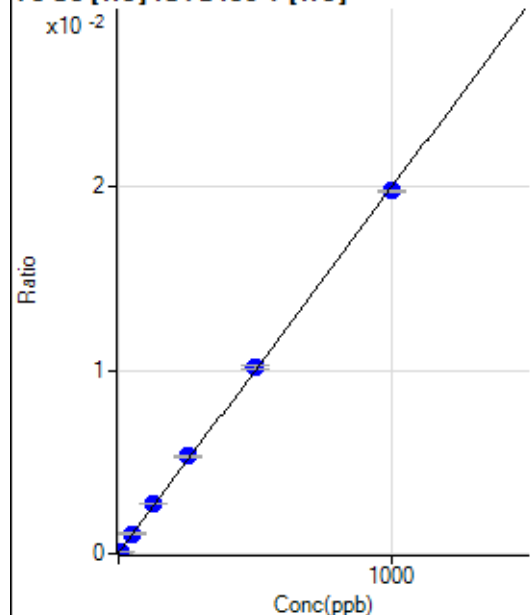
$$R = 0.9998$$

$$DL = 0$$

$$BEC = 0$$

Weight: <None>

Min Conc: 0

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

	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	67.28	0.0000	P	8.8
2	☐	0.500					
3	☐	5.000	4.630	234.57	0.0001	P	16.4
4	☐	50.000	53.236	1962.50	0.0011	P	2.4
5	☐	125.000	133.925	4592.74	0.0027	P	1.5
6	☐	250.000	263.837	8372.23	0.0053	P	1.7
7	☐	500.000	509.403	16146.09	0.0102	P	1.7
8	☐	1000.000	990.564	32170.86	0.0198	P	0.7
9	☐			87.04	0.0001	P	10.8

$$y = 1.9942\text{E-}005 * x + 3.6949\text{E-}005$$

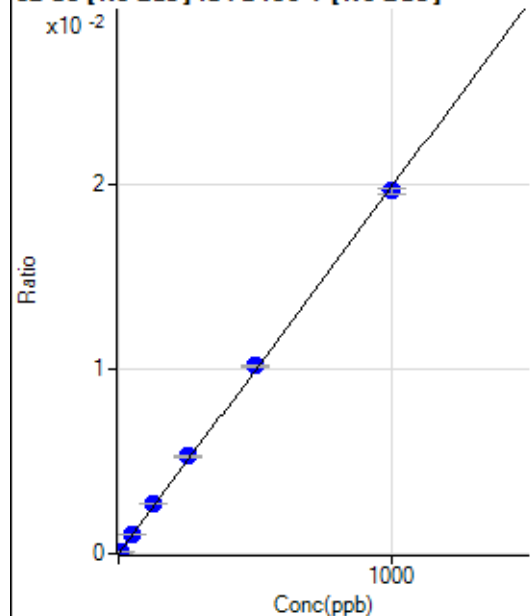
$$R = 0.9998$$

$$DL = 0.4885$$

$$BEC = 1.853$$

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	-36.10	0.0000	P	-249.
2	☐	0.500					
3	☐	5.000	5.531	1478.79	0.0001	P	6.8
4	☐	50.000	53.438	14441.93	0.0011	P	1.7
5	☐	125.000	135.036	35382.59	0.0027	P	0.9
6	☐	250.000	264.913	66262.50	0.0053	P	0.4
7	☐	500.000	511.398	124568.05	0.0101	P	0.7
8	☐	1000.000	989.144	243183.60	0.0196	P	1.3
9	☐			347.79	0.0000	P	19.0

$$y = 1.9834\text{E-}005 * x - 2.5859\text{E-}006$$

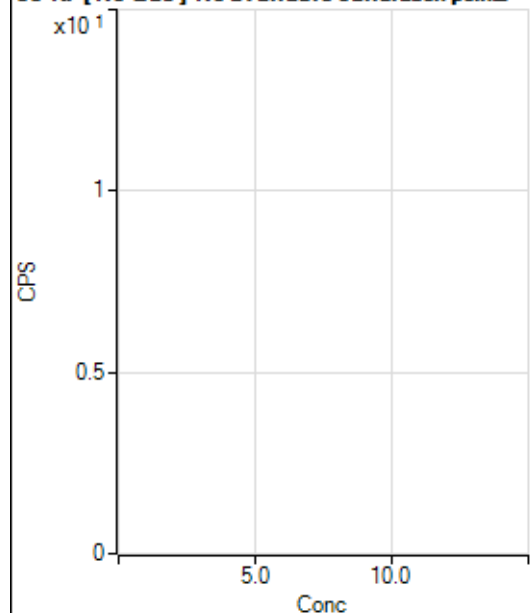
$$R = 0.9998$$

$$DL = 0.9763$$

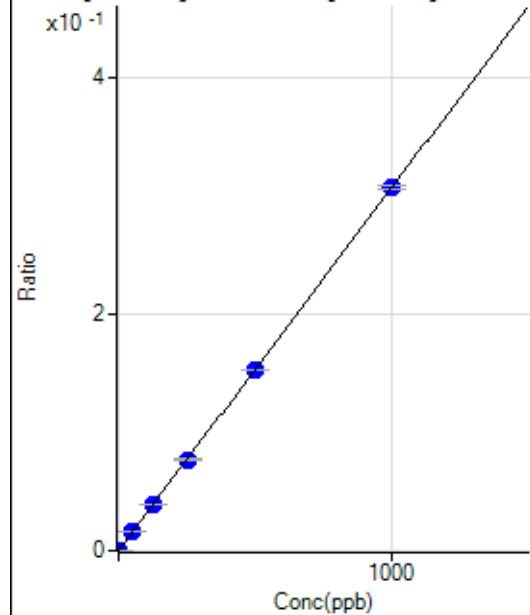
$$BEC = -0.1304$$

Weight: <None>

Min Conc: 0

83 Kr [No Gas] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			734.48		P	6.0
2	☐						
3	☐			685.58		P	2.0
4	☐			676.69		P	3.9
5	☐			648.91		P	4.9
6	☐			598.91		P	2.5
7	☐			593.36		P	12.0
8	☐			623.36		P	8.0
9	☐			741.14		P	8.0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	1041.75	0.0001	P	0.8
2	☐	0.100					
3	☐	1.000	0.933	4981.60	0.0004	P	3.1
4	☐	50.000	50.713	213845.60	0.0157	P	1.1
5	☐	125.000	127.357	518398.27	0.0392	P	1.0
6	☐	250.000	251.430	975594.20	0.0773	P	0.2
7	☐	500.000	498.382	1881869.72	0.1532	P	0.9
8	☐	1000.000	1000.121	3810295.35	0.3074	P	0.9
9	☐			18982.66	0.0015	P	2.1

$$y = 3.0724\text{E-}004 * x + 7.4455\text{E-}005$$

$$R = 1.0000$$

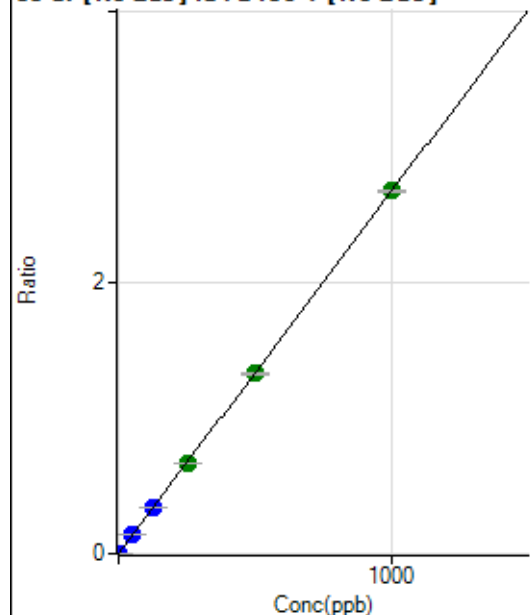
$$DL = 0.005945$$

$$BEC = 0.2423$$

Weight: <None>

Min Conc: 0

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



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	127.78	0.0000	P	20.6
2	☐	0.100					
3	☐	1.000	0.914	33888.25	0.0025	P	1.6
4	☐	50.000	50.761	1855217.75	0.1358	P	0.3
5	☐	125.000	128.110	4532338.30	0.3427	P	0.5
6	☐	250.000	250.396	8452345.85	0.6699	A	0.1
7	☐	500.000	496.420	16314800.19	1.3281	A	0.5
8	☐	1000.000	1001.264	33209383.03	2.6788	A	0.3
9	☐			157019.36	0.0124	P	0.6

$$y = 0.0027 * x + 9.1291E-006$$

$$R = 1.0000$$

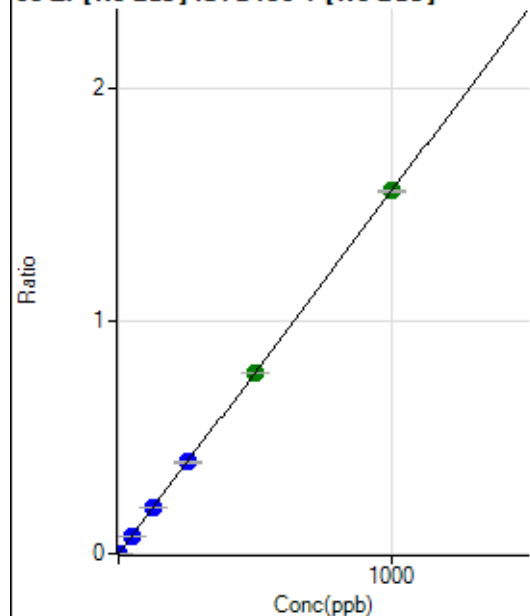
$$DL = 0.002114$$

$$BEC = 0.003412$$

Weight: <None>

Min Conc: 0

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



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	1119.54	0.0001	P	10.8
2	☐	0.100					
3	☐	1.000	0.885	20181.56	0.0015	P	2.2
4	☐	50.000	50.117	1069797.16	0.0783	P	0.6
5	☐	125.000	126.737	2617333.26	0.1979	P	0.4
6	☐	250.000	252.048	4965562.13	0.3936	P	0.4
7	☐	500.000	497.932	9549697.00	0.7774	A	0.8
8	☐	1000.000	1000.299	19360513.11	1.5616	A	0.4
9	☐			10434.76	0.0008	P	2.0

$$y = 0.0016 * x + 8.0012E-005$$

$$R = 1.0000$$

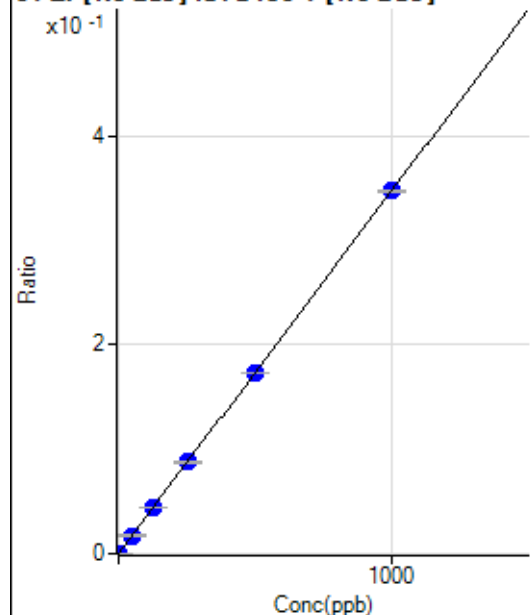
$$DL = 0.01664$$

$$BEC = 0.05125$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	166.68	0.0000	P	25.0
2	☐	0.100					
3	☐	1.000	0.929	4617.62	0.0003	P	4.6
4	☐	50.000	50.254	238587.12	0.0175	P	1.0
5	☐	125.000	125.989	578821.76	0.0438	P	0.3
6	☐	250.000	252.324	1105918.60	0.0877	P	0.6
7	☐	500.000	497.818	2124180.12	0.1729	P	0.5
8	☐	1000.000	1000.374	4307813.77	0.3475	P	0.3
9	☐			2369.75	0.0002	P	6.6

$$y = 3.4733\text{E-}004 * x + 1.1912\text{E-}005$$

$$R = 1.0000$$

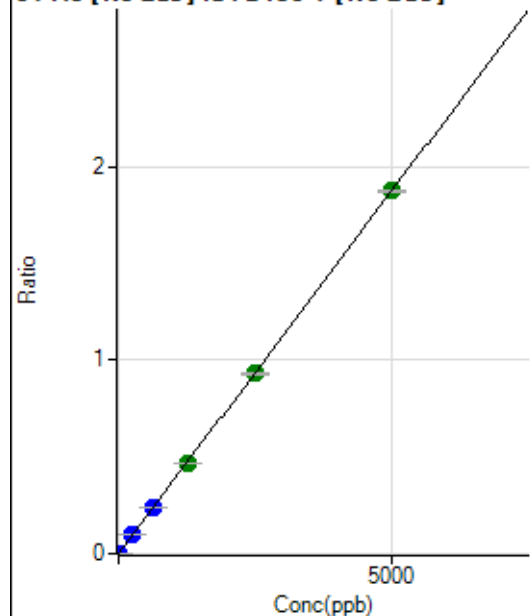
$$DL = 0.02573$$

$$BEC = 0.03429$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	355.57	0.0000	P	26.5
2	☐	0.500					
3	☐	5.000	4.751	24925.47	0.0018	P	1.1
4	☐	250.000	253.157	1296141.05	0.0949	P	0.6
5	☐	625.000	638.113	3162265.48	0.2391	P	0.2
6	☐	1250.000	1252.944	5924007.34	0.4695	A	0.4
7	☐	2500.000	2485.021	11439118.66	0.9312	A	0.5
8	☐	5000.000	5004.957	23250999.13	1.8755	A	0.4
9	☐			29943.33	0.0024	P	2.3

$$y = 3.7472\text{E-}004 * x + 2.5422\text{E-}005$$

$$R = 1.0000$$

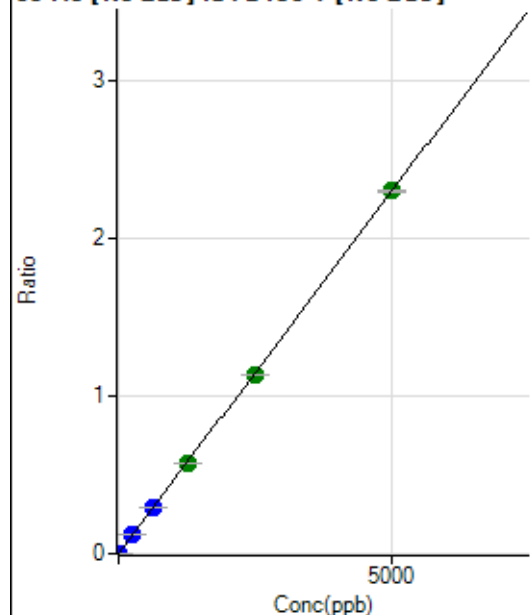
$$DL = 0.05398$$

$$BEC = 0.06784$$

Weight: <None>

Min Conc: 0

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



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	27.78	0.0000	P	86.6
2	☐	0.500					
3	☐	5.000	4.850	30758.99	0.0022	P	2.4
4	☐	250.000	254.108	1593333.15	0.1166	P	0.3
5	☐	625.000	639.215	3879985.46	0.2934	P	0.5
6	☐	1250.000	1247.130	7222821.08	0.5725	A	0.2
7	☐	2500.000	2479.484	13981266.63	1.1381	A	0.2
8	☐	5000.000	5008.994	28504616.61	2.2993	A	0.5
9	☐			46649.55	0.0037	P	3.4

$$y = 4.5903\text{E-}004 * x + 1.9889\text{E-}006$$

$$R = 1.0000$$

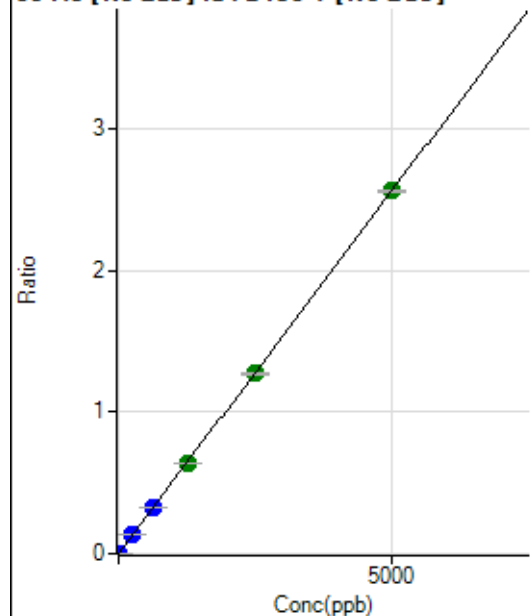
$$DL = 0.01126$$

$$BEC = 0.004333$$

Weight: <None>

Min Conc: 0

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



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	152.78	0.0000	P	12.7
2	☐	0.500					
3	☐	5.000	4.768	33821.70	0.0025	P	0.2
4	☐	250.000	252.749	1766623.84	0.1293	P	0.3
5	☐	625.000	636.714	4307994.76	0.3258	P	0.4
6	☐	1250.000	1247.812	8055275.87	0.6385	A	0.5
7	☐	2500.000	2485.294	15620477.78	1.2716	A	0.8
8	☐	5000.000	5006.299	31755310.43	2.5615	A	0.5
9	☐			58802.60	0.0047	P	1.7

$$y = 5.1165\text{E-}004 * x + 1.0921\text{E-}005$$

$$R = 1.0000$$

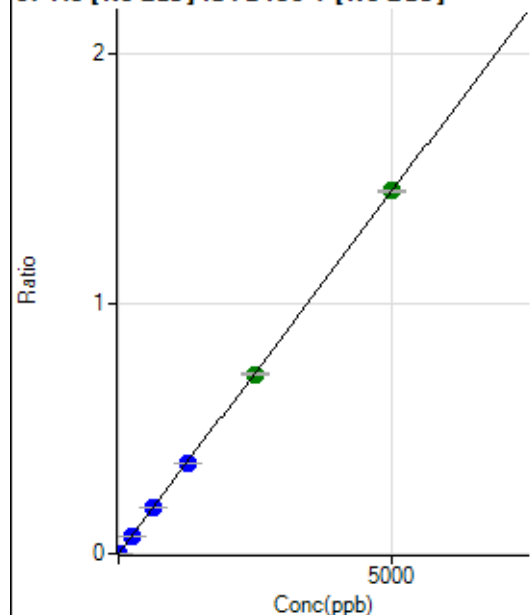
$$DL = 0.008147$$

$$BEC = 0.02134$$

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	22.22	0.0000	P	78.2
2	☐	0.500					
3	☐	5.000	4.787	19149.58	0.0014	P	2.9
4	☐	250.000	250.750	991639.44	0.0726	P	0.7
5	☐	625.000	634.432	2428793.95	0.1837	P	0.8
6	☐	1250.000	1246.354	4552653.27	0.3608	P	0.6
7	☐	2500.000	2481.409	8824757.84	0.7184	A	0.7
8	☐	5000.000	5008.991	17978005.09	1.4501	A	0.6
9	☐			28156.45	0.0022	P	3.4

$$y = 2.8951E-004 * x + 1.5903E-006$$

$$R = 1.0000$$

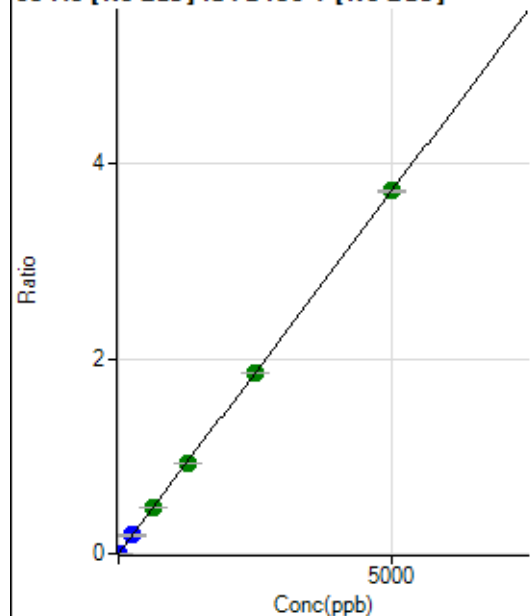
$$DL = 0.01289$$

$$BEC = 0.005493$$

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	86.11	0.0000	P	22.6
2	☐	0.500					
3	☐	5.000	4.758	48912.61	0.0035	P	2.1
4	☐	250.000	252.614	2565623.93	0.1878	P	0.8
5	☐	625.000	627.980	6174091.11	0.4669	A	0.9
6	☐	1250.000	1244.581	11675404.86	0.9254	A	0.8
7	☐	2500.000	2487.811	22722056.76	1.8497	A	0.4
8	☐	5000.000	5006.946	46151835.41	3.7227	A	0.5
9	☐			72663.67	0.0058	P	2.6

$$y = 7.4350E-004 * x + 6.1563E-006$$

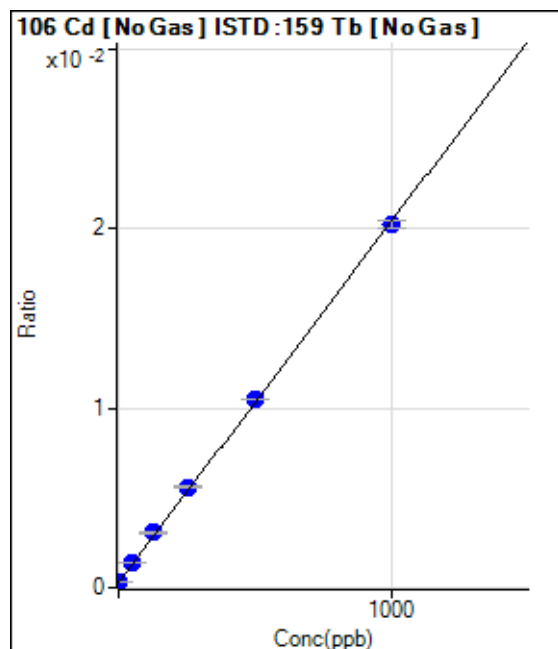
$$R = 1.0000$$

$$DL = 0.005603$$

$$BEC = 0.00828$$

Weight: <None>

Min Conc: 0



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	5576.32	0.0003	P	4.7
2	☐	0.100					
3	☐	1.000	1.136	5868.14	0.0003	P	2.2
4	☐	50.000	56.640	27241.24	0.0014	P	1.5
5	☐	125.000	138.046	57645.79	0.0031	P	0.9
6	☐	250.000	264.113	103565.47	0.0056	P	1.5
7	☐	500.000	507.671	192435.12	0.0105	P	0.9
8	☐	1000.000	990.674	374513.26	0.0202	P	2.0
9	☐			5729.21	0.0003	P	4.1

$$y = 2.0098\text{E-}005 * x + 2.8554\text{E-}004$$

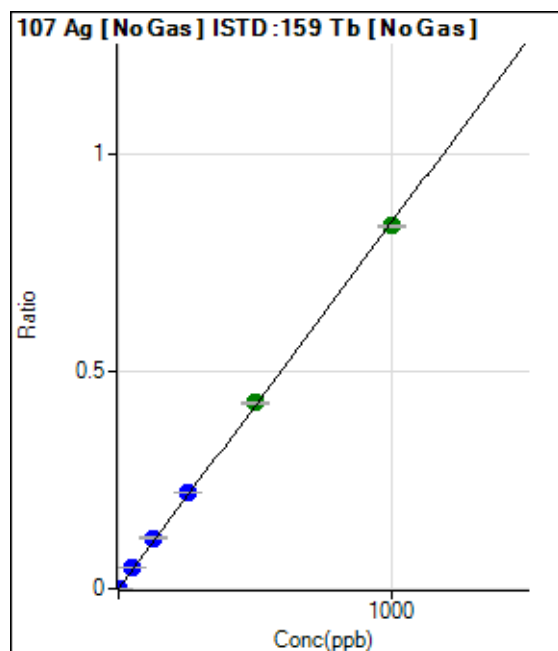
$$R = 0.9998$$

$$DL = 2.01$$

$$BEC = 14.21$$

Weight: <None>

Min Conc: 0



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	125.01	0.0000	P	6.8
2	☐	0.100					
3	☐	1.000	0.920	14869.48	0.0008	P	1.6
4	☐	50.000	56.736	914365.01	0.0478	P	0.5
5	☐	125.000	138.816	2202584.84	0.1169	P	0.9
6	☐	250.000	264.024	4117251.87	0.2224	P	0.4
7	☐	500.000	507.209	7837988.80	0.4272	A	0.8
8	☐	1000.000	990.826	15476837.67	0.8345	A	0.4
9	☐			1675.18	0.0001	P	1.8

$$y = 8.4225\text{E-}004 * x + 6.4028\text{E-}006$$

$$R = 0.9998$$

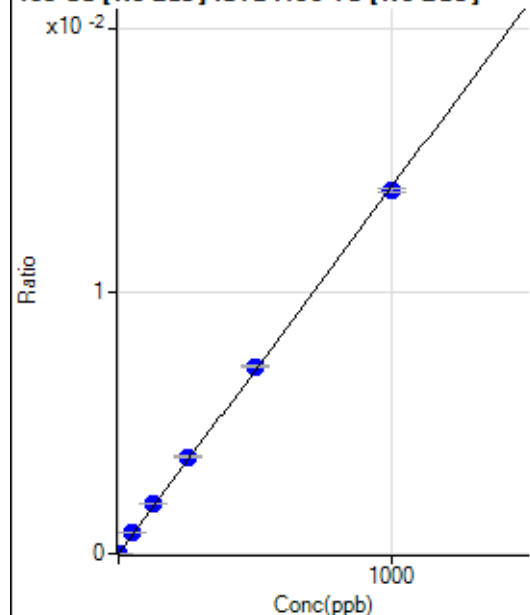
$$DL = 0.001547$$

$$BEC = 0.007602$$

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	45.2
2	☐	0.100					
3	☐	1.000	1.077	300.01	0.0000	P	10.9
4	☐	50.000	56.012	15001.19	0.0008	P	1.6
5	☐	125.000	137.864	36337.03	0.0019	P	0.4
6	☐	250.000	264.740	68569.09	0.0037	P	1.1
7	☐	500.000	510.268	130955.20	0.0071	P	0.7
8	☐	1000.000	989.272	256606.25	0.0138	P	1.0
9	☐			131.95	0.0000	P	6.0

$$y = 1.3986E-005 * x + 7.0991E-007$$

$$R = 0.9998$$

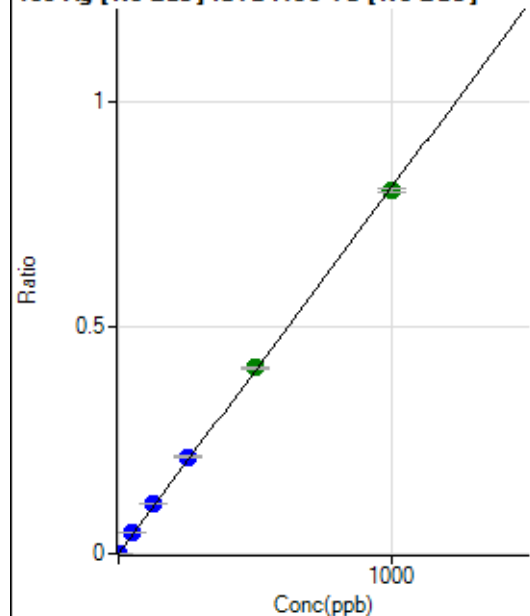
$$DL = 0.06876$$

$$BEC = 0.05076$$

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	41.67	0.0000	P	53.2
2	☐	0.100					
3	☐	1.000	0.936	14477.36	0.0008	P	2.1
4	☐	50.000	56.785	880221.09	0.0460	P	0.4
5	☐	125.000	138.732	2117336.48	0.1124	P	0.6
6	☐	250.000	263.715	3955647.62	0.2137	P	1.1
7	☐	500.000	507.572	7544670.74	0.4112	A	0.5
8	☐	1000.000	990.730	14885238.53	0.8026	A	0.9
9	☐			1583.49	0.0001	P	8.3

$$y = 8.1016E-004 * x + 2.1353E-006$$

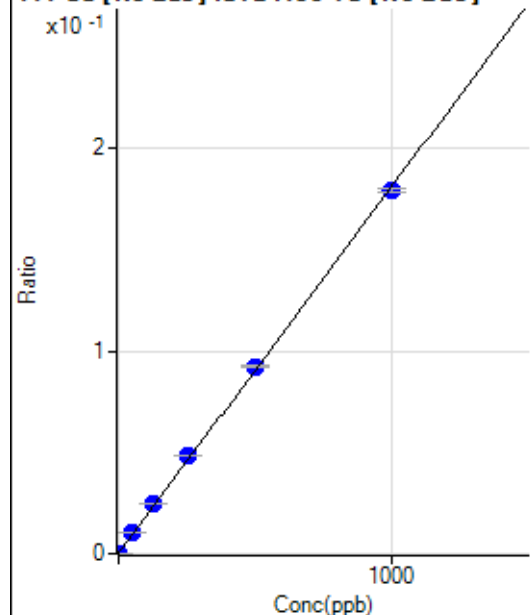
$$R = 0.9998$$

$$DL = 0.004207$$

$$BEC = 0.002636$$

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	2784.00	0.0001	P	4.6
2	☐	0.100					
3	☐	1.000	1.017	6214.85	0.0003	P	2.7
4	☐	50.000	55.318	194219.91	0.0102	P	0.6
5	☐	125.000	137.216	470369.00	0.0250	P	1.0
6	☐	250.000	265.705	892735.48	0.0482	P	0.5
7	☐	500.000	510.182	1696250.61	0.0925	P	0.4
8	☐	1000.000	989.190	3321789.09	0.1791	P	1.1
9	☐			4070.95	0.0002	P	1.1

$$y = 1.8094\text{E-}004 * x + 1.4256\text{E-}004$$

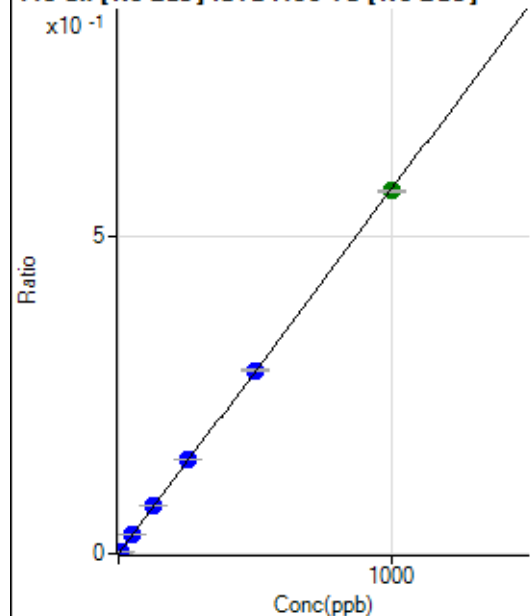
$$R = 0.9997$$

$$DL = 0.1083$$

$$BEC = 0.7879$$

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	708.38	0.0000	P	14.7
2	☐	0.500					
3	☐	5.000	4.979	55125.69	0.0029	P	1.6
4	☐	50.000	53.555	589328.81	0.0308	P	0.5
5	☐	125.000	132.730	1437129.62	0.0763	P	0.4
6	☐	250.000	257.835	2743119.20	0.1482	P	0.6
7	☐	500.000	503.196	5304518.69	0.2891	P	0.2
8	☐	1000.000	995.299	10604488.69	0.5718	A	0.8
9	☐			26233.59	0.0014	P	2.2

$$y = 5.7449\text{E-}004 * x + 3.6278\text{E-}005$$

$$R = 0.9999$$

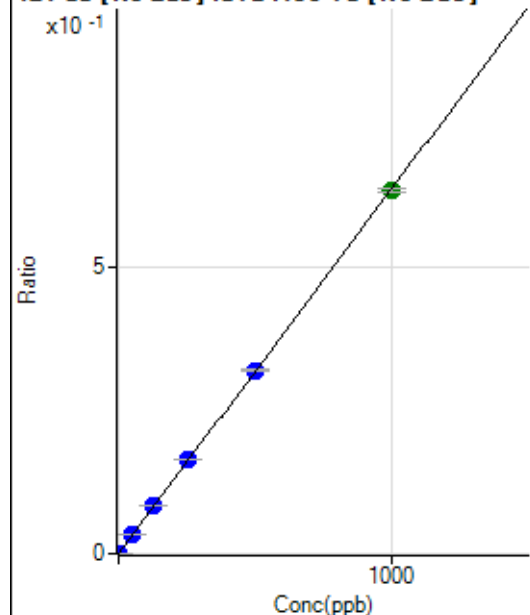
$$DL = 0.02787$$

$$BEC = 0.06315$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	55.56	0.0000	P	37.8
2	☐	0.200					
3	☐	2.000	1.939	23573.44	0.0012	P	4.0
4	☐	50.000	52.913	645369.70	0.0337	P	0.2
5	☐	125.000	132.388	1589839.48	0.0844	P	0.3
6	☐	250.000	257.945	3044329.75	0.1644	P	0.1
7	☐	500.000	503.674	5890757.08	0.3211	P	0.4
8	☐	1000.000	995.108	11763821.79	0.6343	A	0.9
9	☐			16151.52	0.0009	P	2.3

$$y = 6.3745\text{E-}004 * x + 2.8445\text{E-}006$$

$$R = 0.9999$$

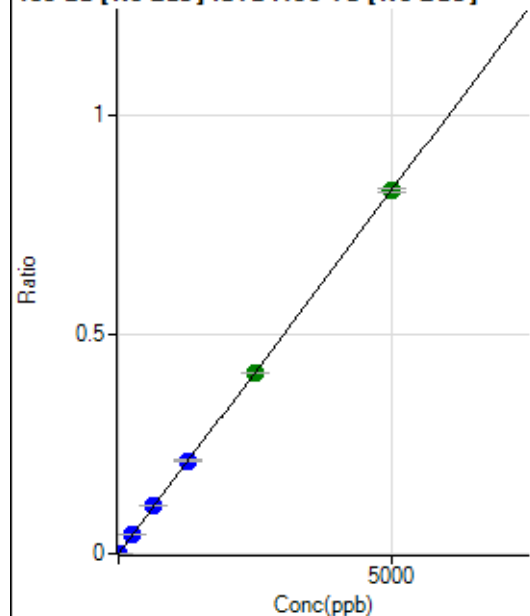
$$DL = 0.005058$$

$$BEC = 0.004462$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	22.22	0.0000	P	77.4
2	☐	1.000					
3	☐	10.000	9.940	31319.72	0.0016	P	1.4
4	☐	250.000	263.208	833331.35	0.0436	P	0.6
5	☐	625.000	656.425	2046272.59	0.1086	P	0.6
6	☐	1250.000	1282.415	3928968.23	0.2122	P	0.3
7	☐	2500.000	2486.536	7549251.39	0.4115	A	0.7
8	☐	5000.000	4994.040	15325827.77	0.8264	A	0.9
9	☐			3200.50	0.0002	P	4.1

$$y = 1.6548\text{E-}004 * x + 1.1343\text{E-}006$$

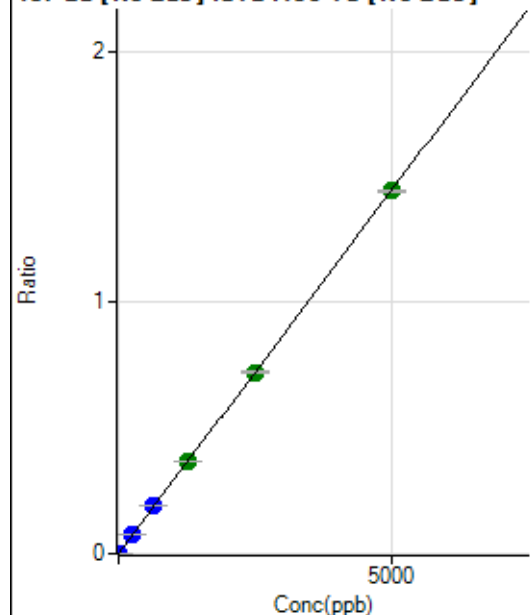
$$R = 1.0000$$

$$DL = 0.01592$$

$$BEC = 0.006855$$

Weight: <None>

Min Conc: 0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	22.22	0.0000	P	22.2
2	☐	1.000					
3	☐	10.000	9.972	54895.60	0.0029	P	1.0
4	☐	250.000	264.123	1461268.64	0.0764	P	0.3
5	☐	625.000	659.899	3594782.24	0.1908	P	0.4
6	☐	1250.000	1265.233	6773876.98	0.3659	A	0.0
7	☐	2500.000	2495.217	13238276.51	0.7215	A	0.6
8	☐	5000.000	4993.515	26779005.11	1.4440	A	0.5
9	☐			5384.60	0.0003	P	3.3

$$y = 2.8917\text{E-}004 * x + 1.1393\text{E-}006$$

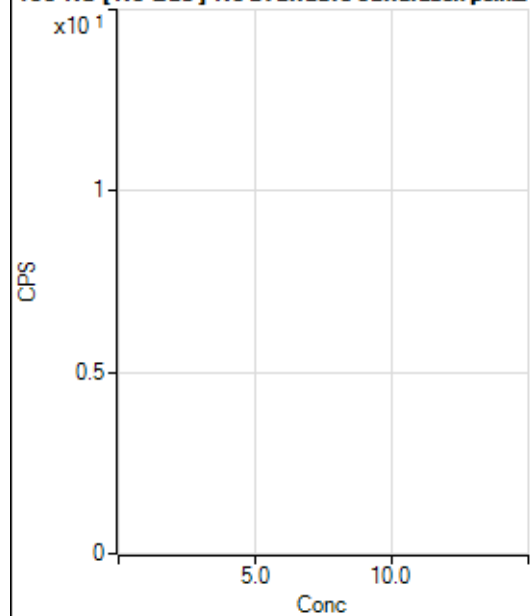
$$R = 1.0000$$

$$DL = 0.002625$$

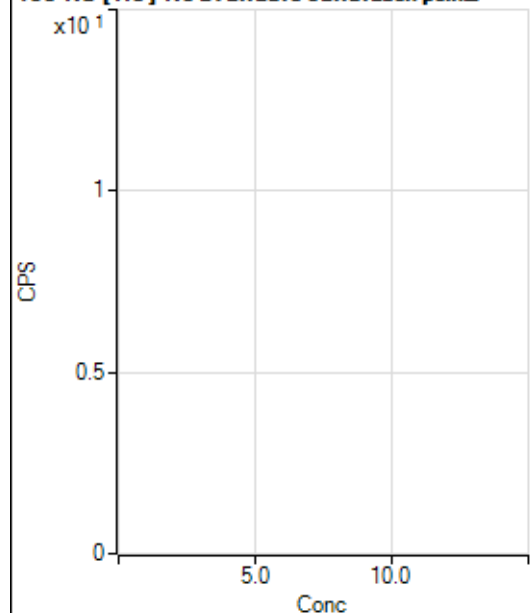
$$BEC = 0.00394$$

Weight: <None>

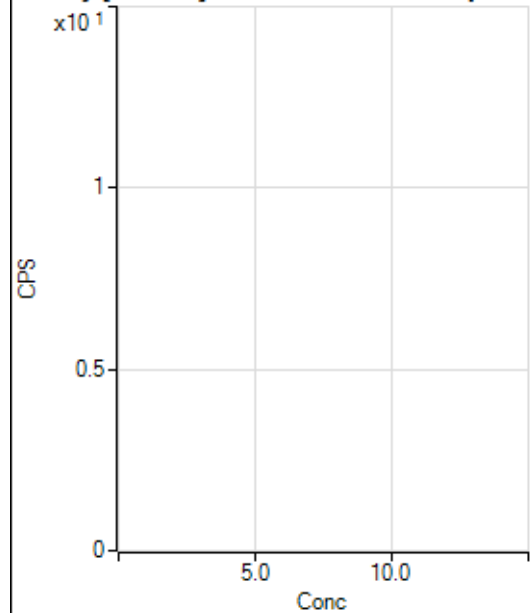
Min Conc: 0

150 Nd [No Gas] No available calibration points

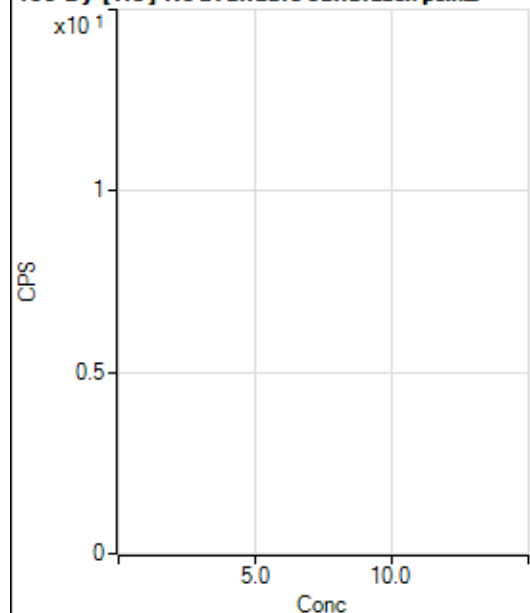
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			2.22		P	173.2
2	☐						
3	☐			13.33		P	86.6
4	☐			93.34		P	12.4
5	☐			197.79		P	22.4
6	☐			331.12		P	8.1
7	☐			633.37		P	4.6
8	☐			1273.44		P	11.0
9	☐			273.35		P	23.5

150 Nd [He] No available calibration points

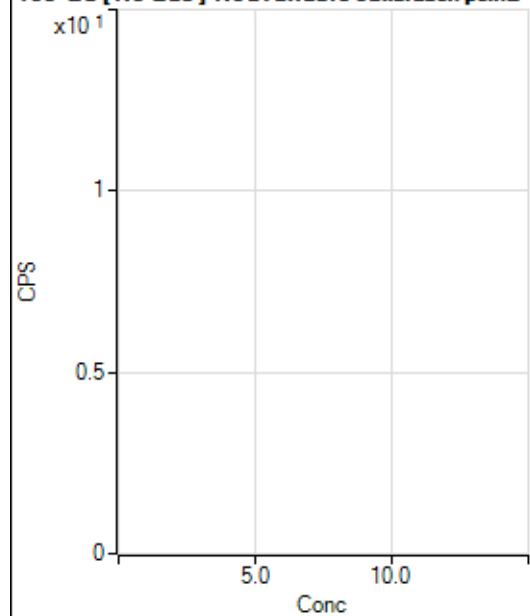
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			1.11		P	173.2
2	☐						
3	☐			1.11		P	173.2
4	☐			10.00		P	57.7
5	☐			15.56		P	53.9
6	☐			31.11		P	44.6
7	☐			51.11		P	26.4
8	☐			136.67		P	28.8
9	☐			104.45		P	11.2

156 Dy [No Gas] No available calibration points

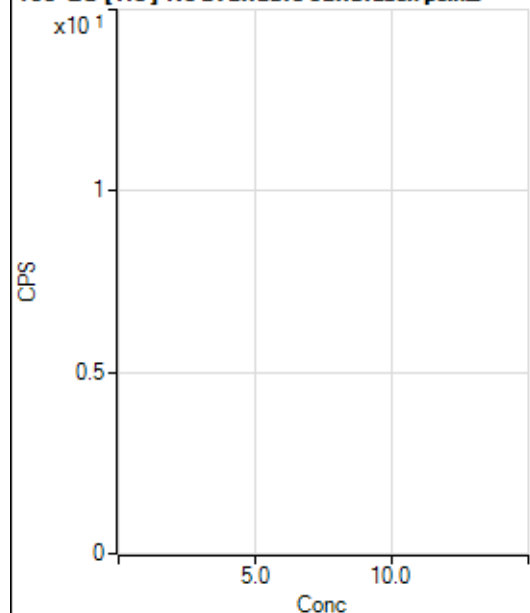
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			16.67		P	50.0
2	☐						
3	☐			5.55		P	86.6
4	☐			22.22		P	21.6
5	☐			41.67		P	20.0
6	☐			63.89		P	15.1
7	☐			113.89		P	33.0
8	☐			288.91		P	6.0
9	☐			277.79		P	4.6

156 Dy [He] No available calibration points

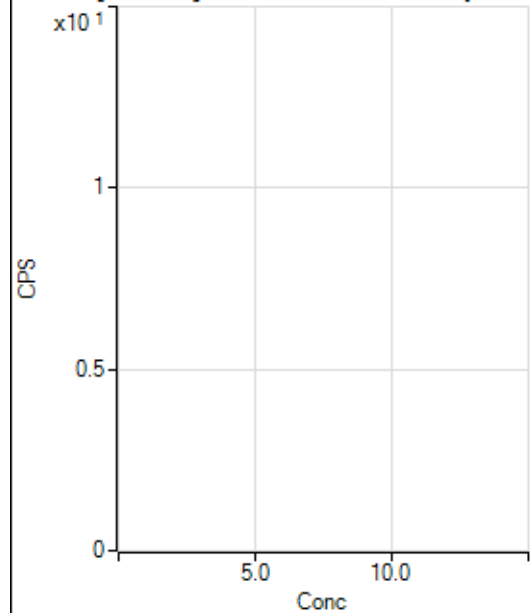
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			6.67		P	50.0
2	☐						
3	☐			4.44		P	43.4
4	☐			20.00		P	44.1
5	☐			41.11		P	23.4
6	☐			55.55		P	12.5
7	☐			87.78		P	21.6
8	☐			207.78		P	7.2
9	☐			91.11		P	22.4

160 Gd [No Gas] Noavailable calibration poin_

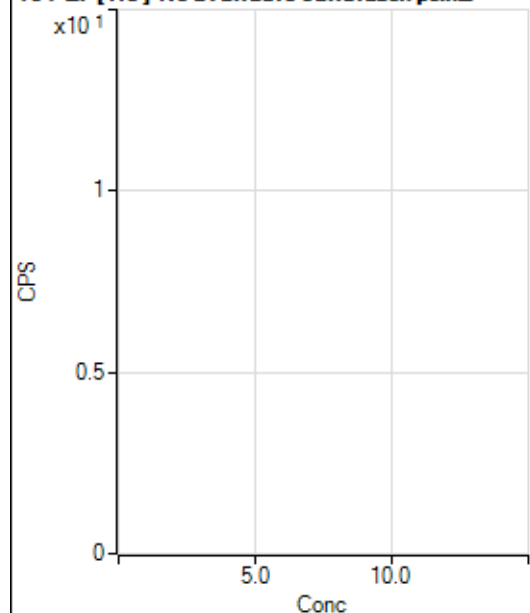
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			100.01		P	8.3
2	☐						
3	☐			91.67		P	9.1
4	☐			91.67		P	15.7
5	☐			83.34		P	17.3
6	☐			127.78		P	18.8
7	☐			91.67		P	24.1
8	☐			155.57		P	12.4
9	☐			205.57		P	20.0

160 Gd [He] No available calibration points

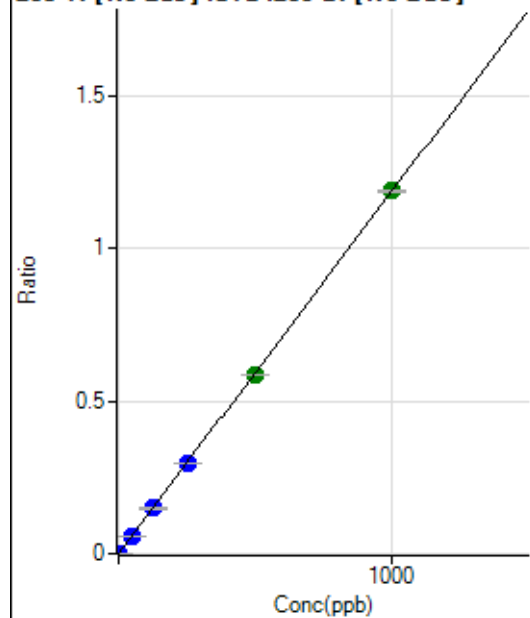
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			202.23		P	8.5
2	☐						
3	☐			231.12		P	13.0
4	☐			234.45		P	11.5
5	☐			232.23		P	18.7
6	☐			190.00		P	9.3
7	☐			217.78		P	11.6
8	☐			215.56		P	18.1
9	☐			238.89		P	7.0

164 Er [No Gas] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			63.89		P	27.2
2	☐						
3	☐			86.12		P	20.1
4	☐			55.56		P	8.7
5	☐			38.89		P	24.7
6	☐			63.89		P	37.7
7	☐			50.00		P	16.7
8	☐			86.12		P	29.6
9	☐			125.00		P	24.0

164 Er [He] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			27.78		P	18.3
2	☐						
3	☐			30.00		P	29.4
4	☐			26.67		P	33.1
5	☐			28.89		P	17.6
6	☐			25.55		P	15.1
7	☐			32.22		P	84.3
8	☐			37.78		P	28.4
9	☐			47.78		P	4.0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	211.12	0.0000	P	15.9
2	☐	0.100					
3	☐	1.000	0.888	14583.52	0.0011	P	2.1
4	☐	50.000	49.089	796177.58	0.0582	P	0.9
5	☐	125.000	125.026	1985819.23	0.1482	P	0.5
6	☐	250.000	249.678	3886224.09	0.2959	P	0.3
7	☐	500.000	495.405	7563272.74	0.5871	A	0.3
8	☐	1000.000	1002.421	15117011.80	1.1880	A	0.5
9	☐			16074.25	0.0014	P	6.0

$$y = 0.0012 * x + 1.5107E-005$$

$$R = 1.0000$$

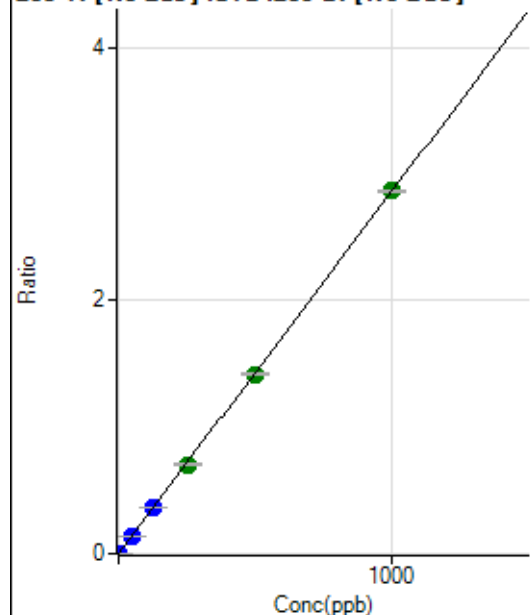
$$DL = 0.006085$$

$$BEC = 0.01275$$

Weight: <None>

Min Conc: 0

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



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	538.92	0.0000	P	17.8
2	☐	0.100					
3	☐	1.000	0.884	35024.97	0.0026	P	3.6
4	☐	50.000	49.191	1923798.59	0.1406	P	1.2
5	☐	125.000	125.819	4818777.02	0.3596	P	0.5
6	☐	250.000	246.885	9266047.52	0.7055	A	0.3
7	☐	500.000	496.320	18270812.04	1.4183	A	0.3
8	☐	1000.000	1002.557	36456184.15	2.8649	A	0.7
9	☐			38069.29	0.0034	P	1.3

$$y = 0.0029 * x + 3.8545E-005$$

$$R = 1.0000$$

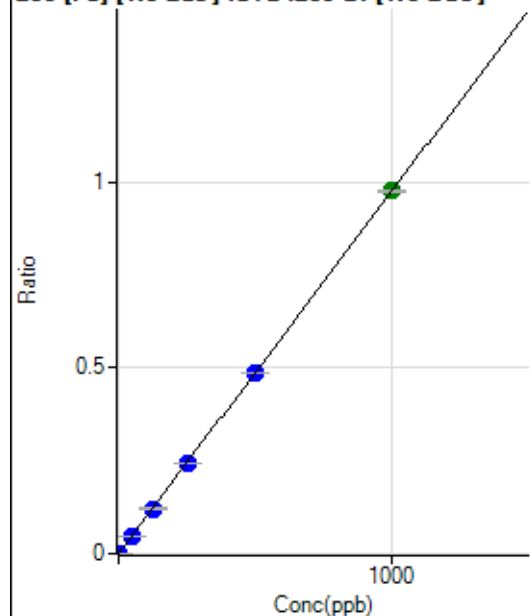
$$DL = 0.007186$$

$$BEC = 0.01349$$

Weight: <None>

Min Conc: 0

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



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	451.87	0.0000	P	9.1
2	☐	0.100					
3	☐	1.000	0.885	12228.14	0.0009	P	1.5
4	☐	50.000	49.213	656843.02	0.0480	P	0.8
5	☐	125.000	124.740	1629998.23	0.1216	P	0.4
6	☐	250.000	248.289	3179234.65	0.2421	P	0.4
7	☐	500.000	497.369	6246344.82	0.4849	P	0.4
8	☐	1000.000	1001.815	12427740.79	0.9766	A	0.5
9	☐			63945.78	0.0057	P	0.7

$$y = 9.7484E-004 * x + 3.2337E-005$$

$$R = 1.0000$$

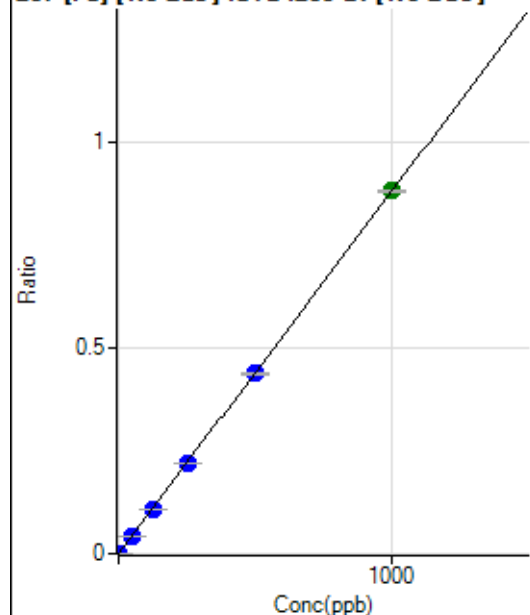
$$DL = 0.009053$$

$$BEC = 0.03317$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	340.75	0.0000	P	5.7
2	☐	0.100					
3	☐	1.000	0.876	10864.01	0.0008	P	4.2
4	☐	50.000	49.243	593113.73	0.0433	P	0.6
5	☐	125.000	124.298	1465804.75	0.1094	P	0.6
6	☐	250.000	247.838	2863991.87	0.2181	P	0.3
7	☐	500.000	497.193	5635301.40	0.4375	P	0.5
8	☐	1000.000	1002.070	11218831.85	0.8816	A	0.7
9	☐			53753.39	0.0048	P	1.5

$$y = 8.7980\text{E-}004 * x + 2.4378\text{E-}005$$

$$R = 1.0000$$

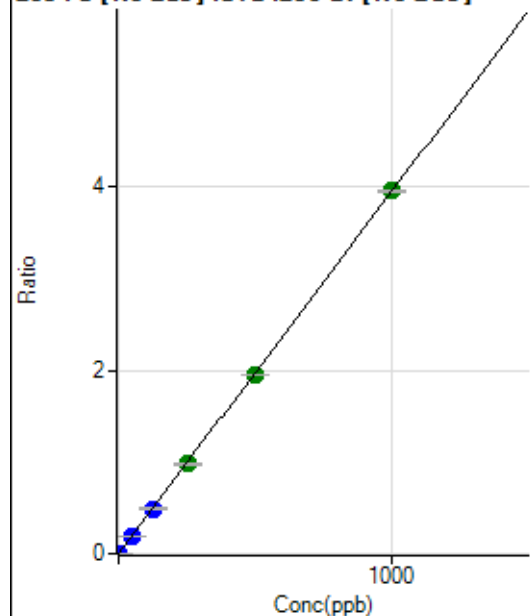
$$DL = 0.00477$$

$$BEC = 0.02771$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	1681.57	0.0001	P	3.4
2	☐	0.100					
3	☐	1.000	0.880	49097.83	0.0036	P	1.7
4	☐	50.000	49.439	2671417.98	0.1952	P	0.6
5	☐	125.000	124.872	6606125.63	0.4930	P	0.6
6	☐	250.000	247.464	12828558.27	0.9768	A	0.3
7	☐	500.000	495.667	25202408.67	1.9564	A	0.1
8	☐	1000.000	1002.845	50366641.05	3.9581	A	0.7
9	☐			249666.70	0.0222	P	0.4

$$y = 0.0039 * x + 1.2031\text{E-}004$$

$$R = 1.0000$$

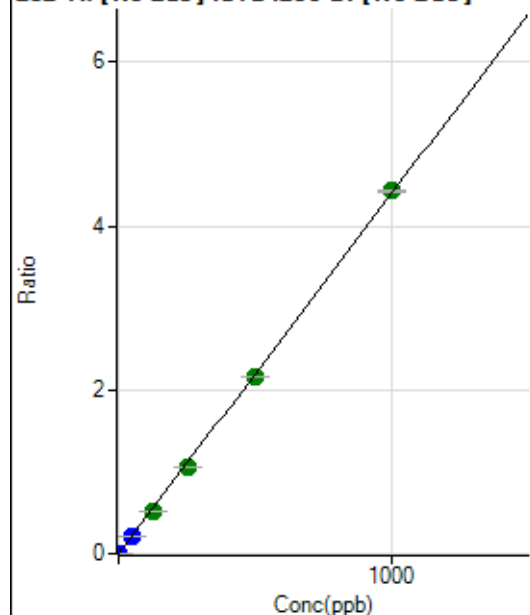
$$DL = 0.003145$$

$$BEC = 0.03048$$

Weight: <None>

Min Conc: 0

232 Th [No Gas] ISTD :209 Bi [No Gas]



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	161.12	0.0000	P	32.7
2	☐	0.100					
3	☐	1.000	0.824	49558.83	0.0036	P	0.5
4	☐	50.000	46.902	2817899.08	0.2059	P	0.2
5	☐	125.000	118.956	6999438.24	0.5223	A	1.0
6	☐	250.000	241.266	13912611.54	1.0593	A	0.1
7	☐	500.000	489.957	27712631.18	2.1513	A	0.3
8	☐	1000.000	1008.115	56325350.79	4.4263	A	0.6
9	☐			9898.44	0.0009	P	8.7

$$y = 0.0044 * x + 1.1526E-005$$

$$R = 0.9999$$

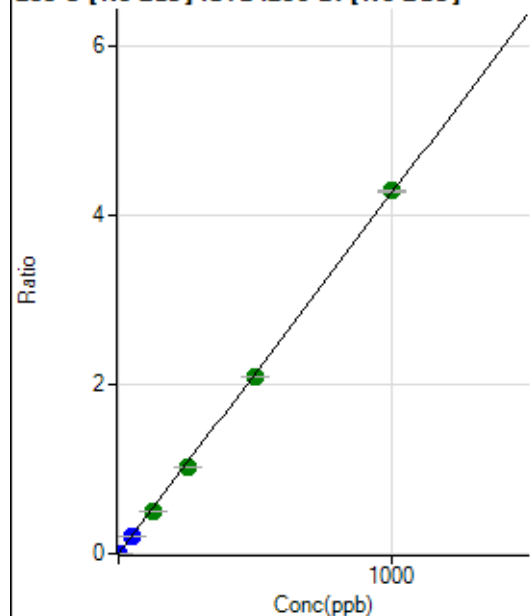
$$DL = 0.002575$$

$$BEC = 0.002625$$

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	58.34	0.0000	P	28.4
2	☐	0.100					
3	☐	1.000	0.833	48594.91	0.0036	P	1.2
4	☐	50.000	47.091	2748606.18	0.2009	P	0.5
5	☐	125.000	119.474	6829669.12	0.5096	A	0.6
6	☐	250.000	242.245	13571178.26	1.0333	A	0.3
7	☐	500.000	491.944	27032645.74	2.0985	A	0.3
8	☐	1000.000	1006.803	54650446.36	4.2947	A	0.5
9	☐			5873.83	0.0005	P	10.5

$$y = 0.0043 * x + 4.1736E-006$$

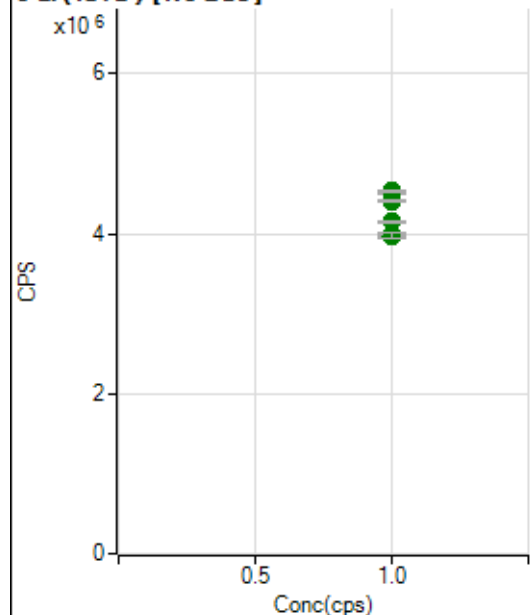
$$R = 0.9999$$

$$DL = 0.0008342$$

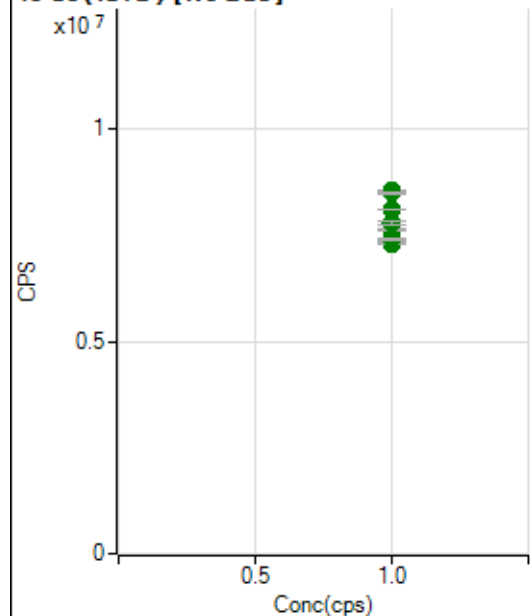
$$BEC = 0.0009784$$

Weight: <None>

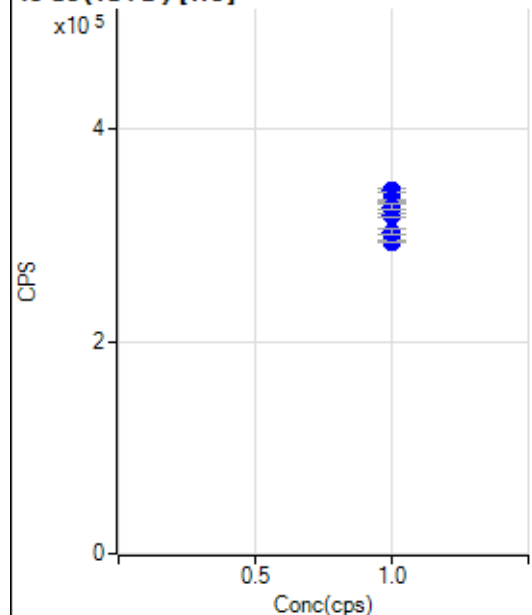
Min Conc: 0

6 Li (ISTD) [No Gas]

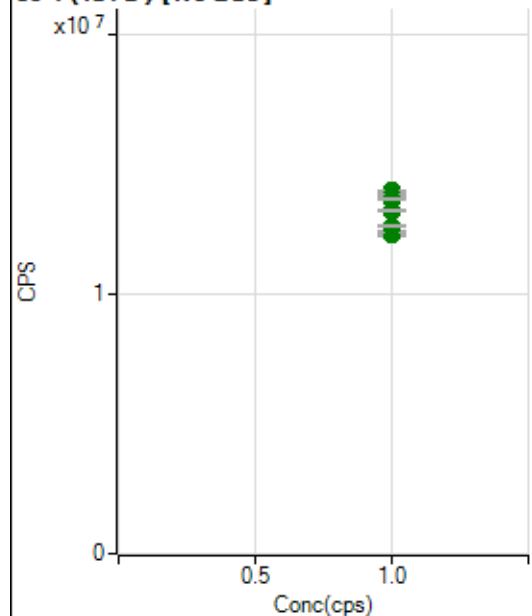
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		4501973.34		A	0.6
2	☐	1.000					
3	☐	1.000		4499585.49		A	0.4
4	☐	1.000		4536317.64		A	0.5
5	☐	1.000		4407238.37		A	0.3
6	☐	1.000		4149844.59		A	1.0
7	☐	1.000		3982862.41		A	0.2
8	☐	1.000		3958222.89		A	0.6
9	☐	1.000		3975046.44		A	1.6

45 Sc (ISTD) [No Gas]

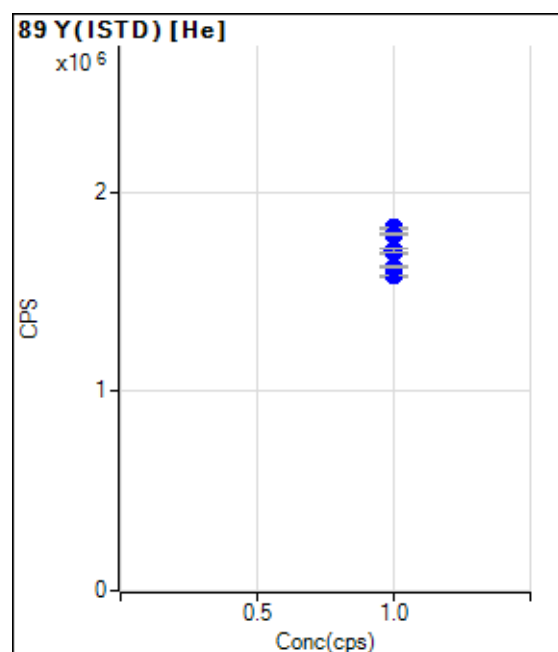
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		8540656.88		A	0.4
2	☐	1.000					
3	☐	1.000		8533310.17		A	0.5
4	☐	1.000		8505217.20		A	0.6
5	☐	1.000		8112290.72		A	0.3
6	☐	1.000		7609643.14		A	0.5
7	☐	1.000		7309692.78		A	0.5
8	☐	1.000		7412112.93		A	0.6
9	☐	1.000		7785808.85		A	1.5

45 Sc (ISTD) [He]

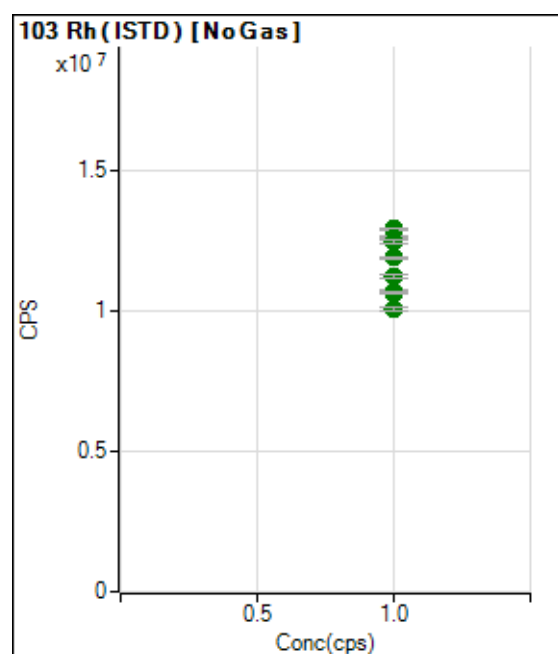
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		341557.72		P	1.1
2	☐	1.000					
3	☐	1.000		340139.98		P	0.4
4	☐	1.000		332912.56		P	0.5
5	☐	1.000		318678.73		P	1.3
6	☐	1.000		295115.16		P	0.3
7	☐	1.000		293754.45		P	0.7
8	☐	1.000		303142.73		P	1.4
9	☐	1.000		326694.08		P	1.8

89 Y (ISTD) [No Gas]

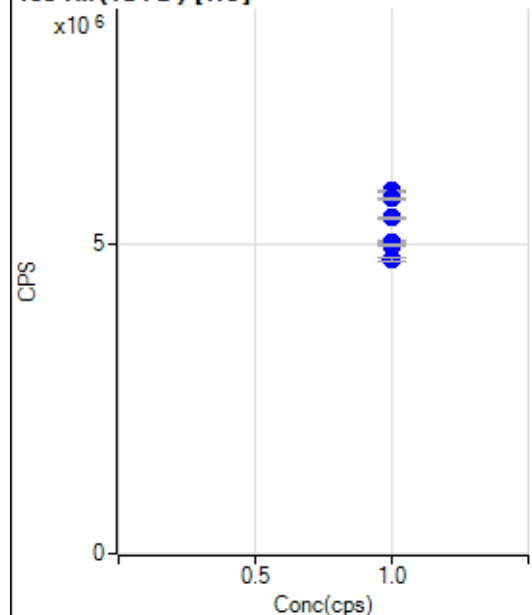
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		13991812.43		A	0.3
2	☐	1.000					
3	☐	1.000		13802638.82		A	0.5
4	☐	1.000		13659919.66		A	0.4
5	☐	1.000		13223516.05		A	0.4
6	☐	1.000		12617089.81		A	0.6
7	☐	1.000		12284273.98		A	0.4
8	☐	1.000		12397448.15		A	0.5
9	☐	1.000		12635847.45		A	0.7



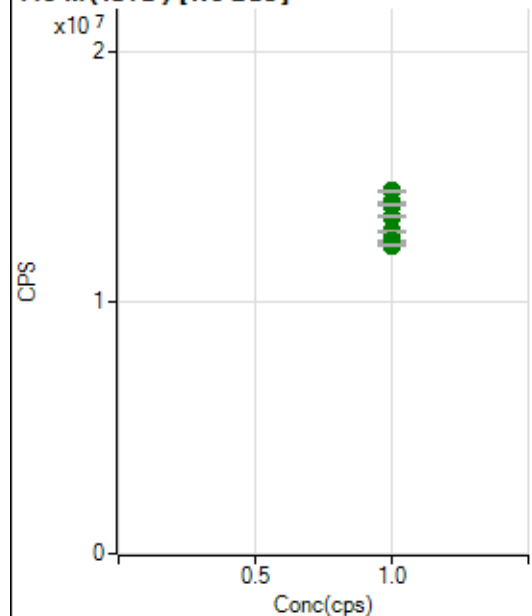
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		1820925.20		P	0.6
2	☐	1.000					
3	☐	1.000		1815719.66		P	0.6
4	☐	1.000		1786507.80		P	0.5
5	☐	1.000		1696193.29		P	0.6
6	☐	1.000		1580204.51		P	0.5
7	☐	1.000		1583677.67		P	0.3
8	☐	1.000		1625580.44		P	0.8
9	☐	1.000		1705724.21		P	1.2



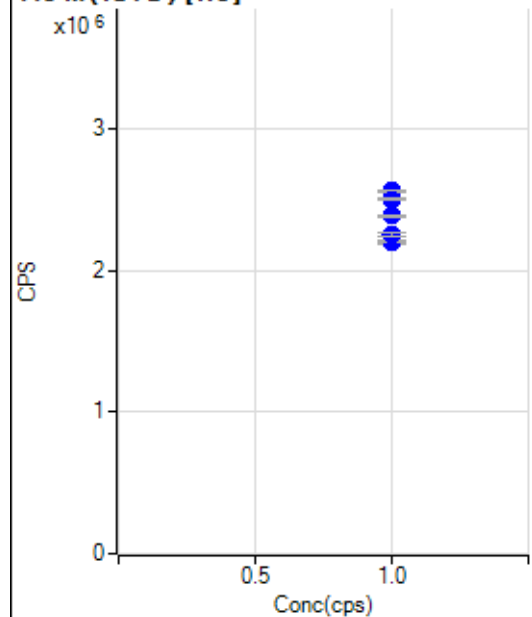
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		12922134.23		A	0.9
2	☐	1.000					
3	☐	1.000		12634542.21		A	0.4
4	☐	1.000		12463676.76		A	0.8
5	☐	1.000		11899420.67		A	0.4
6	☐	1.000		11227620.31		A	0.9
7	☐	1.000		10712543.47		A	0.2
8	☐	1.000		10626492.77		A	0.7
9	☐	1.000		10088192.06		A	1.3

103 Rh (ISTD) [He]

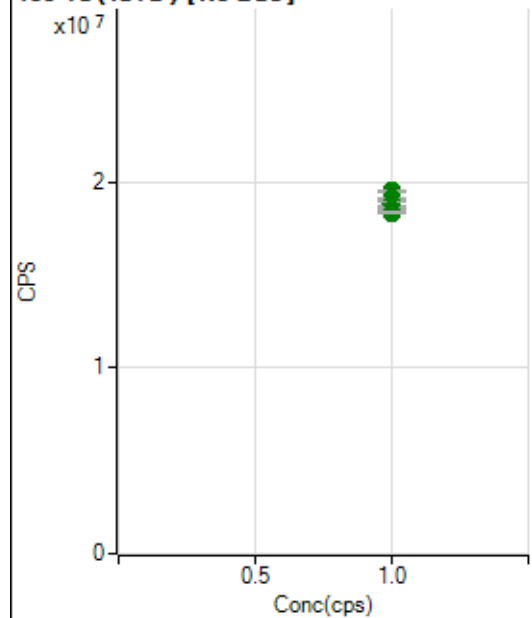
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		5864980.88		P	0.5
2	☐	1.000					
3	☐	1.000		5866857.69		P	0.3
4	☐	1.000		5743171.37		P	0.4
5	☐	1.000		5437587.97		P	0.7
6	☐	1.000		5050843.36		P	0.4
7	☐	1.000		4988517.80		P	0.1
8	☐	1.000		4996725.93		P	0.7
9	☐	1.000		4761809.48		P	1.0

115 In (ISTD) [No Gas]

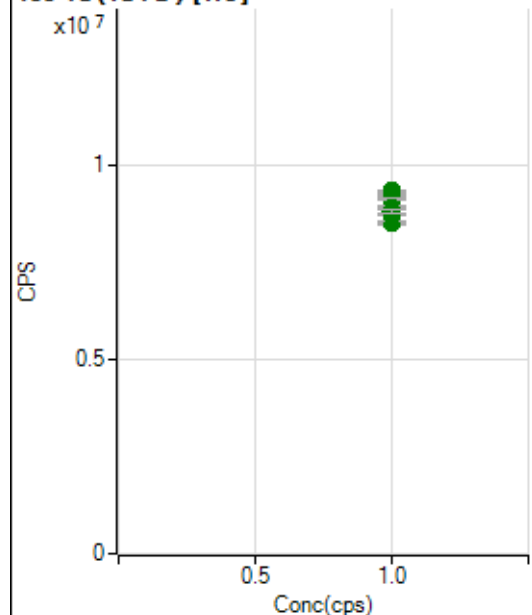
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		14445893.33		A	0.4
2	☐	1.000					
3	☐	1.000		14000036.77		A	0.1
4	☐	1.000		13881002.06		A	0.3
5	☐	1.000		13432330.59		A	0.6
6	☐	1.000		12829616.12		A	0.6
7	☐	1.000		12462963.54		A	0.4
8	☐	1.000		12323527.75		A	0.2
9	☐	1.000		12254285.38		A	0.6

115 In (ISTD) [He]

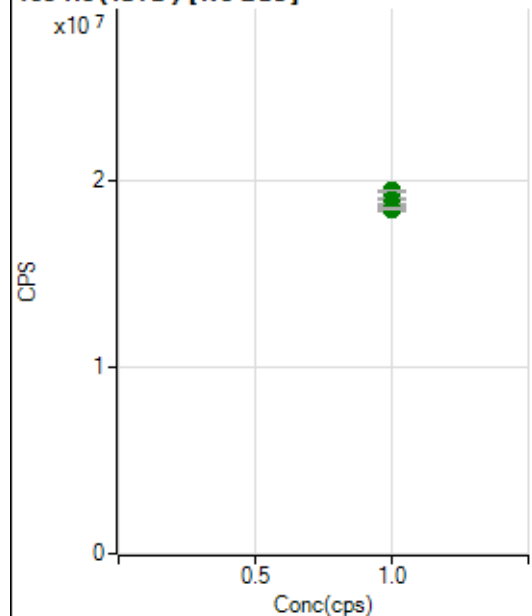
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		2566775.37		P	0.5
2	☐	1.000					
3	☐	1.000		2565764.13		P	0.2
4	☐	1.000		2506610.99		P	0.6
5	☐	1.000		2388625.77		P	0.6
6	☐	1.000		2220117.53		P	0.3
7	☐	1.000		2200479.48		P	0.4
8	☐	1.000		2208130.38		P	0.8
9	☐	1.000		2255389.62		P	1.2

159 Tb (ISTD) [No Gas]

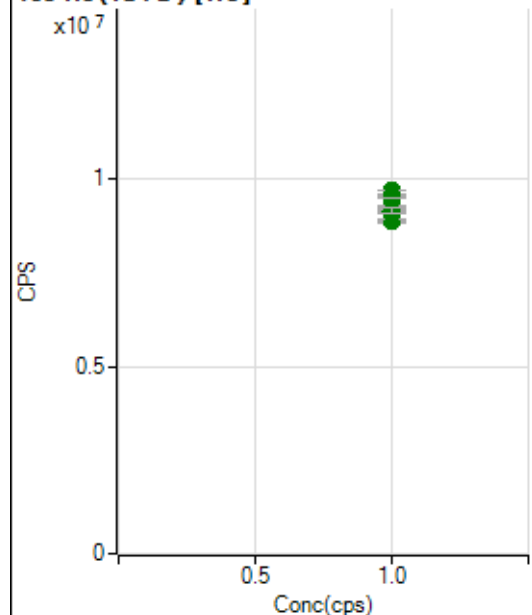
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		19524922.35		A	0.7
2	☐	1.000					
3	☐	1.000		19029194.16		A	0.5
4	☐	1.000		19132280.55		A	0.3
5	☐	1.000		18838618.47		A	0.9
6	☐	1.000		18514530.00		A	0.4
7	☐	1.000		18347460.28		A	0.4
8	☐	1.000		18545660.98		A	0.6
9	☐	1.000		18350998.61		A	0.7

159 Tb (ISTD) [He]

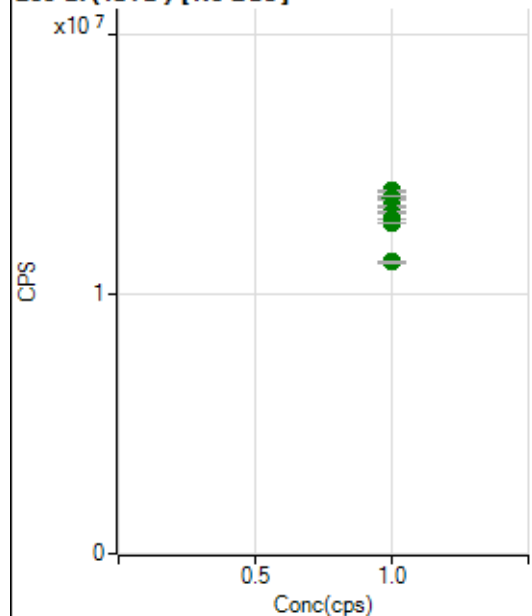
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		9361106.60		A	0.4
2	☐	1.000					
3	☐	1.000		9255407.29		A	0.5
4	☐	1.000		9173803.40		A	0.6
5	☐	1.000		8937164.86		A	0.6
6	☐	1.000		8510465.77		A	0.1
7	☐	1.000		8575528.83		A	0.3
8	☐	1.000		8748356.12		A	0.8
9	☐	1.000		8820605.43		A	1.0

165 Ho (ISTD) [No Gas]

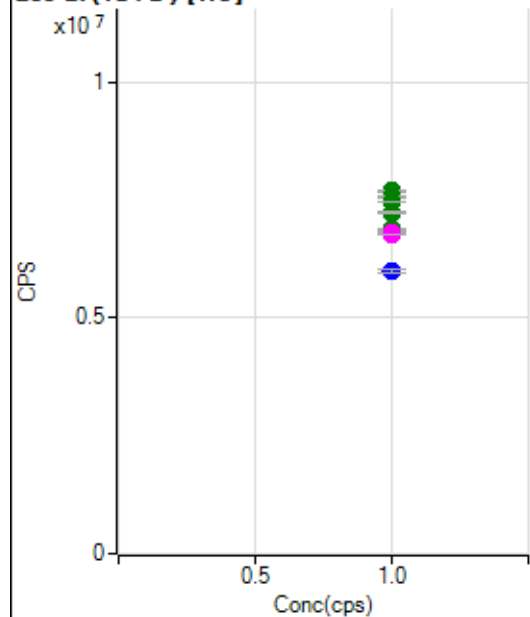
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		19415200.09		A	0.7
2	☐	1.000					
3	☐	1.000		18917546.43		A	0.3
4	☐	1.000		18979576.12		A	0.5
5	☐	1.000		18733158.23		A	0.4
6	☐	1.000		18467859.79		A	0.2
7	☐	1.000		18395603.02		A	0.8
8	☐	1.000		18706767.61		A	0.4
9	☐	1.000		18445923.85		A	0.4

165 Ho (ISTD) [He]

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		9677920.20		A	0.1
2	☐	1.000					
3	☐	1.000		9560937.15		A	0.8
4	☐	1.000		9494615.41		A	0.2
5	☐	1.000		9233816.67		A	0.8
6	☐	1.000		8865540.49		A	0.4
7	☐	1.000		8931666.60		A	0.3
8	☐	1.000		9103457.02		A	0.8
9	☐	1.000		9148416.67		A	1.4

209 Bi (ISTD) [No Gas]

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		13975684.51		A	0.5
2	☐	1.000					
3	☐	1.000		13659195.77		A	0.5
4	☐	1.000		13682924.38		A	0.9
5	☐	1.000		13401027.30		A	0.6
6	☐	1.000		13133312.86		A	0.2
7	☐	1.000		12882033.00		A	0.1
8	☐	1.000		12725117.03		A	0.3
9	☐	1.000		11241814.00		A	0.9

209 Bi (ISTD) [He]

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		7700368.29		A	0.2
2	☐	1.000					
3	☐	1.000		7582427.66		A	0.6
4	☐	1.000		7471014.20		A	0.3
5	☐	1.000		7241308.64		A	0.6
6	☐	1.000		6897146.91		A	0.3
7	☐	1.000		6834378.02		M	0.2
8	☐	1.000		6771778.16		M	0.5
9	☐	1.000		5988790.47		P	1.4