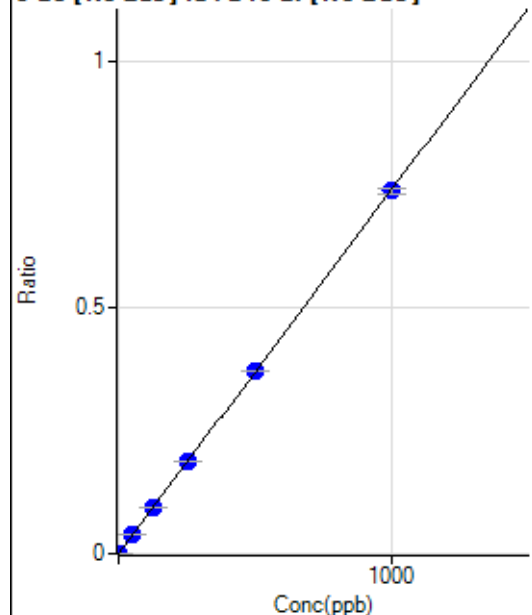


Batch Folder: D:\ICP-MS Data\P7052819 MS.b\
Analysis File: P7052819 MS.batch.bin
DA Date-Time: 2019-05-28 18:37:08
Calibration Title:
Calibration Method: External Calibration
VIS Interpolation Fit:

Level	Standard Data File	Sample Name	Acq. Date-Time
1	003CALB.d	S00	2019-05-28 13:53:50
2			
3	005CALS.d	S02	2019-05-28 14:01:58
4	006CALS.d	S03	2019-05-28 14:05:54
5	007CALS.d	S04	2019-05-28 14:09:51
6	008CALS.d	S05	2019-05-28 14:13:43
7	009CALS.d	S06	2019-05-28 14:17:32
8	010CALS.d	S07	2019-05-28 14:21:19
9	011CALS.d	S08	2019-05-28 14:25:06

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



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	82.22	0.0000	P	14.2
2	☐	0.100					
3	☐	1.000	0.932	1867.93	0.0007	P	3.3
4	☐	50.000	51.029	96407.74	0.0378	P	1.4
5	☐	125.000	128.442	234060.64	0.0951	P	0.2
6	☐	250.000	254.910	431619.50	0.1886	P	0.6
7	☐	500.000	502.012	823239.86	0.3714	P	0.3
8	☐	1000.000	997.285	1584214.98	0.7379	P	1.4
9	☐			296.68	0.0001	P	25.3

$$y = 7.3984\text{E-}004 * x + 3.2723\text{E-}005$$

$$R = 1.0000$$

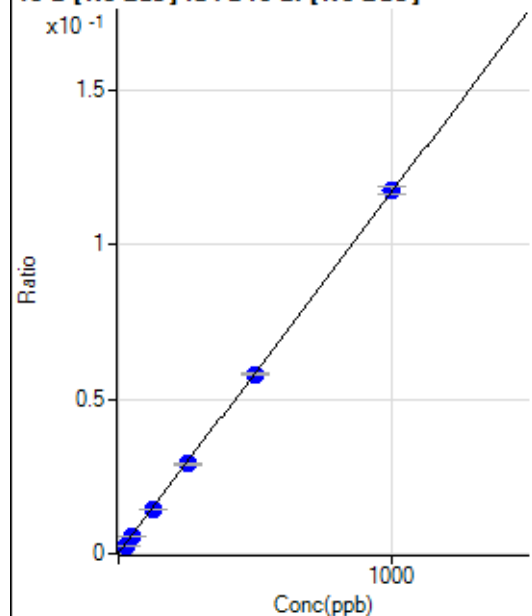
$$DL = 0.01891$$

$$BEC = 0.04423$$

Weight: <None>

Min Conc: 0

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



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	433.36	0.0002	P	10.7
2	☐	2.500					
3	☐	25.000	21.147	6826.81	0.0026	P	4.5
4	☐	50.000	48.630	14924.53	0.0058	P	0.9
5	☐	125.000	122.150	35531.40	0.0144	P	0.6
6	☐	250.000	246.577	66251.48	0.0290	P	0.4
7	☐	500.000	495.750	128629.39	0.0580	P	1.1
8	☐	1000.000	1003.502	251824.88	0.1173	P	2.3
9	☐			9008.62	0.0042	P	11.1

$$y = 1.1672\text{E-}004 * x + 1.7300\text{E-}004$$

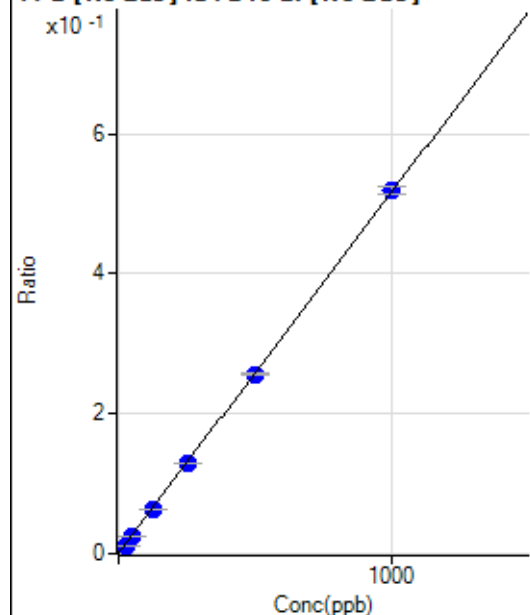
$$R = 1.0000$$

$$DL = 0.4746$$

$$BEC = 1.482$$

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	1808.51	0.0007	P	4.1
2	☐	2.500					
3	☐	25.000	20.547	29259.68	0.0113	P	1.4
4	☐	50.000	48.138	65183.25	0.0255	P	1.2
5	☐	125.000	122.599	157465.44	0.0640	P	1.2
6	☐	250.000	247.066	293241.06	0.1282	P	0.6
7	☐	500.000	494.919	567359.13	0.2560	P	1.1
8	☐	1000.000	1003.779	1113029.17	0.5184	P	2.1
9	☐			40171.34	0.0186	P	9.4

$$y = 5.1577\text{E-}004 * x + 7.2038\text{E-}004$$

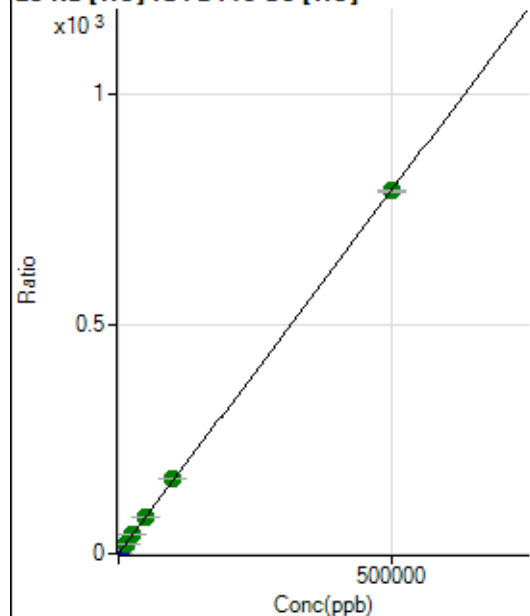
$$R = 1.0000$$

$$DL = 0.1714$$

$$BEC = 1.397$$

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	4753.74	0.0193	P	4.1
2	☐	50.000					
3	☐	500.000	457.805	183066.42	0.7434	P	0.6
4	☐	5000.000	5050.803	1919387.24	8.0088	P	0.9
5	☐	12500.000	12875.271	4589554.92	20.3859	A	0.9
6	☐	25000.000	25940.451	8696695.59	41.0530	A	0.4
7	☐	50000.000	51384.283	17125700.03	81.3013	A	0.5
8	☐	100000.00	102462.77	33585086.17	162.0996	A	1.0
9	☐	500000.00	499312.14	166460357.8	789.8541	A	0.3

$$y = 0.0016 * x + 0.0193$$

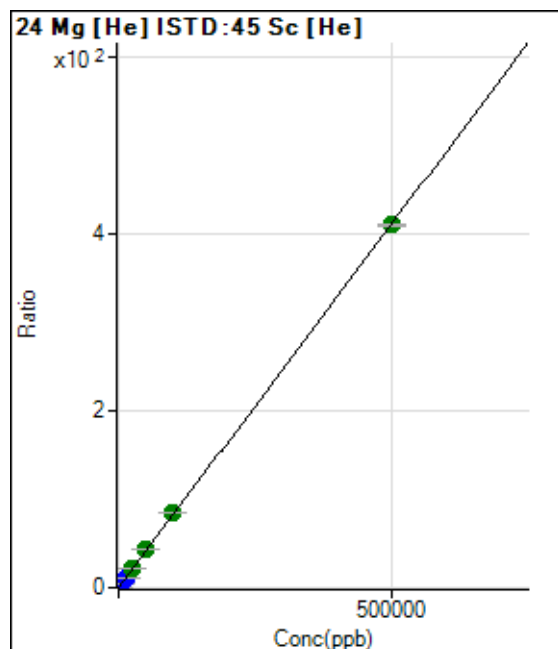
$$R = 1.0000$$

$$DL = 1.482$$

$$BEC = 12.17$$

Weight: <None>

Min Conc: 0



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	250.01	0.0010	P	14.7
2	☐	50.000					
3	☐	500.000	481.945	97633.51	0.3965	P	0.7
4	☐	5000.000	5161.451	1015317.01	4.2365	P	0.6
5	☐	12500.000	13181.637	2435416.40	10.8177	P	1.0
6	☐	25000.000	26488.590	4604786.26	21.7373	A	0.6
7	☐	50000.000	52256.720	9032999.77	42.8824	A	0.4
8	☐	100000.00	103457.97	17589976.44	84.8977	A	0.8
9	☐	500000.00	498989.66	86294665.12	409.4673	A	0.4

$$y = 8.2059\text{E-}004 * x + 0.0010$$

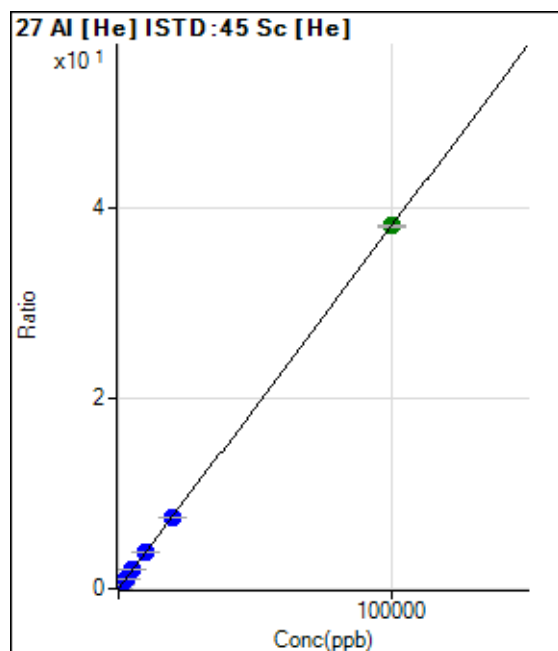
$$R = 1.0000$$

$$DL = 0.5457$$

$$BEC = 1.234$$

Weight: <None>

Min Conc: 0



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	97.23	0.0004	P	35.6
2	☐	2.000					
3	☐	20.000	18.016	1786.29	0.0073	P	1.6
4	☐	1000.000	989.147	90372.84	0.3771	P	0.9
5	☐	2500.000	2533.239	217271.58	0.9651	P	0.9
6	☐	5000.000	5102.203	411691.59	1.9434	P	0.5
7	☐	10000.000	10024.964	804263.87	3.8180	P	0.2
8	☐	20000.000	19775.427	1560404.82	7.5311	P	0.5
9	☐	100000.00	100036.58	8028833.17	38.0957	A	0.2

$$y = 3.8081\text{E-}004 * x + 3.9366\text{E-}004$$

$$R = 1.0000$$

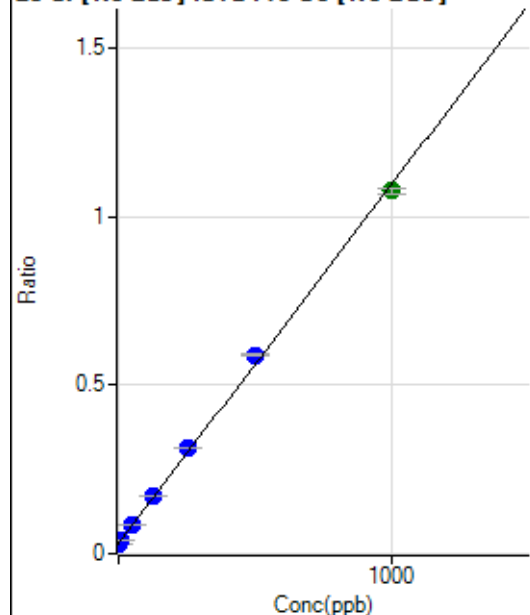
$$DL = 1.102$$

$$BEC = 1.034$$

Weight: <None>

Min Conc: 0

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



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	145978.43	0.0300	P	5.1
2	☐	1.000					
3	☐	10.000	8.017	192484.94	0.0385	P	1.2
4	☐	50.000	51.758	416171.03	0.0851	P	2.1
5	☐	125.000	131.737	799369.49	0.1702	P	1.0
6	☐	250.000	265.759	1346918.86	0.3128	P	0.3
7	☐	500.000	525.951	2478803.03	0.5897	P	0.6
8	☐	1000.000	982.175	4366958.65	1.0752	A	1.9
9	☐			333431.87	0.0804	P	0.6

$$y = 0.0011 * x + 0.0300$$

$$R = 0.9993$$

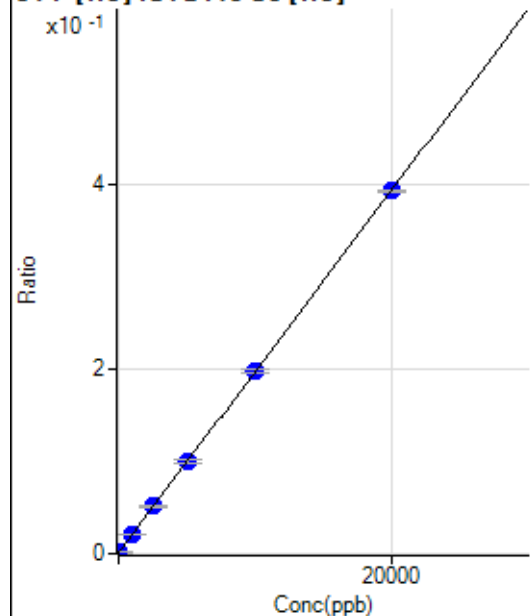
$$DL = 4.289$$

$$BEC = 28.19$$

Weight: <None>

Min Conc: 0

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



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	-14.706	147.23	0.0006	P	18.0
2	☐	0.000					
3	☐	0.000	14.706	288.91	0.0012	P	17.9
4	☐	1000.000	1021.637	5023.26	0.0210	P	5.3
5	☐	2500.000	2557.808	11513.19	0.0511	P	2.7
6	☐	5000.000	5030.302	21121.16	0.0997	P	3.0
7	☐	10000.000	10032.256	41701.08	0.1980	P	1.8
8	☐	20000.000	19967.989	81458.54	0.3931	P	0.5
9	☐			172.23	0.0008	P	16.8

$$y = 1.9644E-005 * x + 8.8501E-004$$

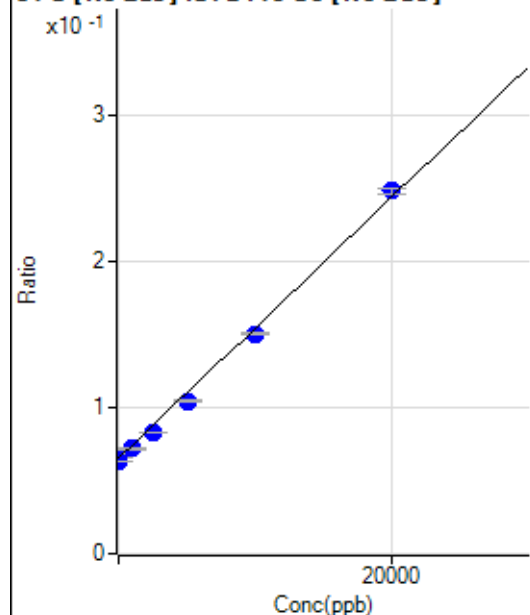
$$R = 1.0000$$

$$DL = 24.22$$

$$BEC = 45.05$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	214.187	327418.99	0.0673	P	4.5
2	☐	0.000					
3	☐	0.000	-214.187	316987.41	0.0635	P	0.4
4	☐	1000.000	728.744	351604.71	0.0719	P	1.8
5	☐	2500.000	1948.546	388800.46	0.0828	P	0.4
6	☐	5000.000	4360.897	449215.37	0.1043	P	0.8
7	☐	10000.000	9526.125	632524.81	0.1505	P	0.5
8	☐	20000.000	20479.208	1008670.78	0.2483	P	1.5
9	☐			236462.17	0.0570	P	0.8

$$y = 8.9343\text{E-}006 * x + 0.0654$$

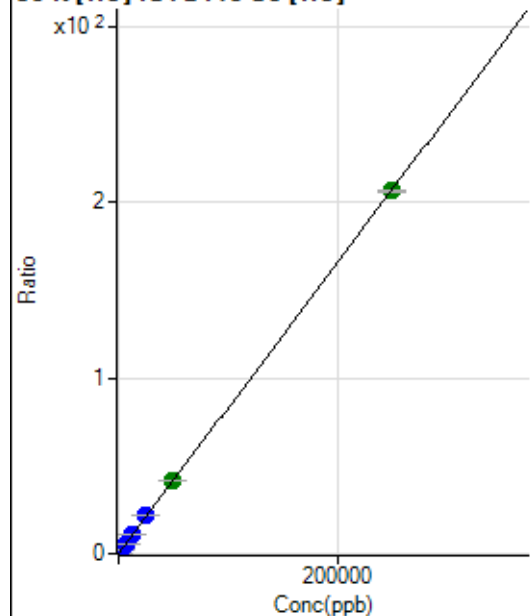
$$R = 0.9988$$

$$DL = 550$$

$$BEC = 7316$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	16990.89	0.0688	P	1.8
2	☐	50.000					
3	☐	500.000	457.221	109960.55	0.4466	P	0.9
4	☐	2500.000	2536.312	518684.24	2.1642	P	0.6
5	☐	6250.000	6496.439	1223829.67	5.4360	P	0.7
6	☐	12500.000	13076.621	2303195.97	10.8723	P	0.2
7	☐	25000.000	25848.334	4512877.23	21.4240	P	0.3
8	☐	50000.000	50683.301	8690000.80	41.9419	A	0.7
9	☐	250000.00	249743.23	43499272.85	206.3994	A	0.2

$$y = 8.2617\text{E-}004 * x + 0.0688$$

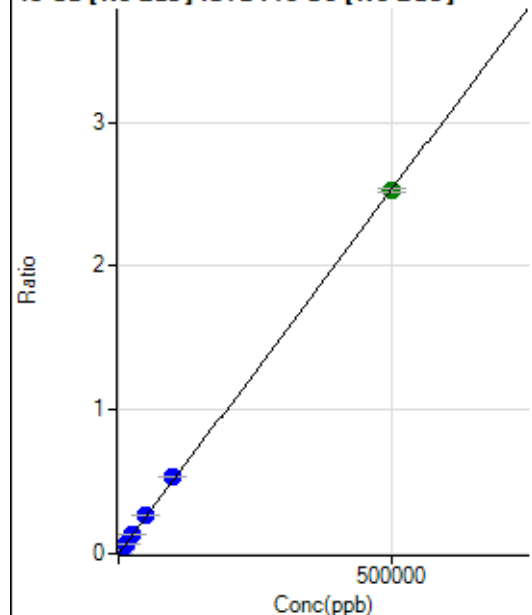
$$R = 1.0000$$

$$DL = 4.606$$

$$BEC = 83.29$$

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	141.67	0.0000	P	10.9
2	☐	50.000					
3	☐	500.000	458.450	11735.68	0.0023	P	1.8
4	☐	5000.000	5074.966	125772.90	0.0257	P	2.4
5	☐	12500.000	12934.243	307602.63	0.0655	P	0.8
6	☐	25000.000	25984.295	566367.66	0.1315	P	0.1
7	☐	50000.000	51764.753	1101352.13	0.2620	P	0.8
8	☐	100000.00	105717.18	2173235.72	0.5351	P	1.6
9	☐	500000.00	498619.30	10470786.17	2.5235	A	0.9

$$y = 5.0610\text{E-}006 * x + 2.9173\text{E-}005$$

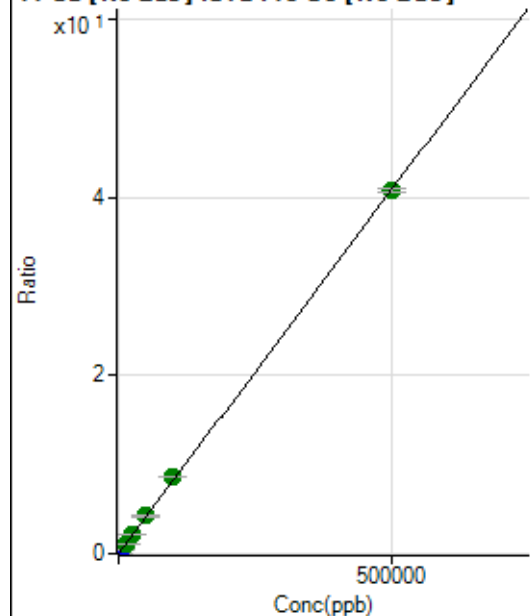
$$R = 0.9999$$

$$DL = 1.878$$

$$BEC = 5.764$$

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	7457.95	0.0015	P	5.6
2	☐	50.000					
3	☐	500.000	460.090	195605.02	0.0392	P	0.8
4	☐	5000.000	5086.716	2042177.15	0.4175	P	1.9
5	☐	12500.000	12846.808	4941487.57	1.0520	A	0.5
6	☐	25000.000	25900.957	9126116.09	2.1195	A	0.7
7	☐	50000.000	51560.125	17729121.92	4.2177	A	0.2
8	☐	100000.00	105788.23	35141057.38	8.6520	A	1.7
9	☐	500000.00	498631.79	169187034.3	40.7754	A	1.1

$$y = 8.1772\text{E-}005 * x + 0.0015$$

$$R = 0.9999$$

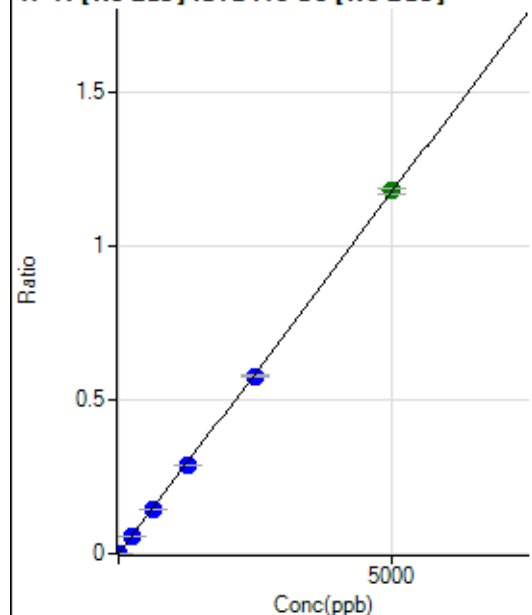
$$DL = 3.173$$

$$BEC = 18.75$$

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	100.01	0.0000	P	19.8
2	☐	0.500					
3	☐	5.000	4.572	5467.91	0.0011	P	1.0
4	☐	250.000	240.714	276737.54	0.0566	P	1.8
5	☐	625.000	611.898	675310.07	0.1438	P	0.7
6	☐	1250.000	1235.171	1249576.27	0.2902	P	0.4
7	☐	2500.000	2462.634	2432074.58	0.5786	P	0.2
8	☐	5000.000	5024.493	4794604.88	1.1805	A	1.6
9	☐			1702.95	0.0004	P	2.2

$$y = 2.3494E-004 * x + 2.0489E-005$$

$$R = 1.0000$$

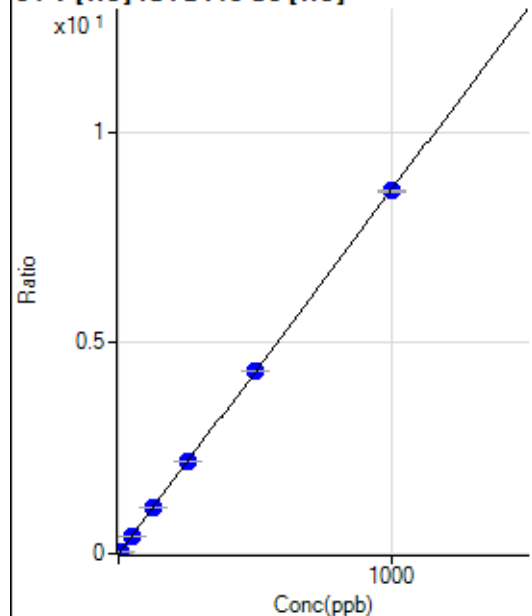
$$DL = 0.05192$$

$$BEC = 0.08721$$

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	6.67	0.0000	P	100.
2	☐	0.500					
3	☐	5.000	4.653	9886.78	0.0402	P	1.0
4	☐	50.000	49.703	102722.35	0.4286	P	0.7
5	☐	125.000	126.997	246547.79	1.0951	P	0.9
6	☐	250.000	254.241	464413.91	2.1923	P	0.6
7	☐	500.000	503.010	913671.04	4.3375	P	0.3
8	☐	1000.000	997.202	1781623.24	8.5989	P	0.6
9	☐			368.90	0.0018	P	11.2

$$y = 0.0086 * x + 2.7011E-005$$

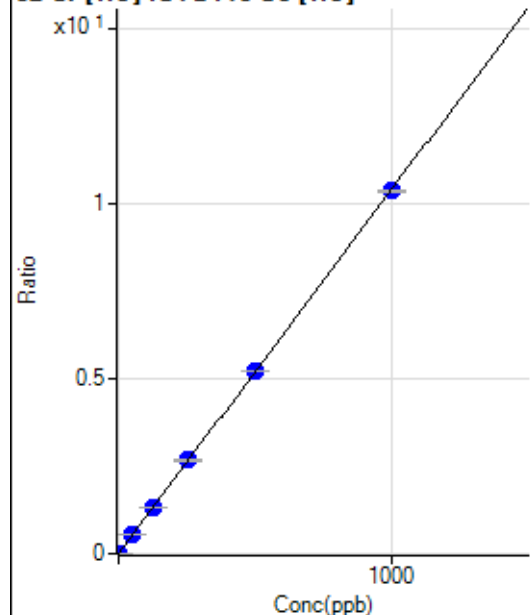
$$R = 1.0000$$

$$DL = 0.009411$$

$$BEC = 0.003132$$

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	617.80	0.0025	P	7.6
2	☐	0.200					
3	☐	2.000	1.826	5294.36	0.0215	P	1.0
4	☐	50.000	50.281	125979.00	0.5256	P	0.7
5	☐	125.000	128.582	301744.58	1.3403	P	0.7
6	☐	250.000	256.021	564796.79	2.6662	P	0.5
7	☐	500.000	503.217	1103374.70	5.2380	P	0.2
8	☐	1000.000	996.425	2148462.36	10.3694	P	0.6
9	☐			15726.39	0.0746	P	2.2

$$y = 0.0104 * x + 0.0025$$

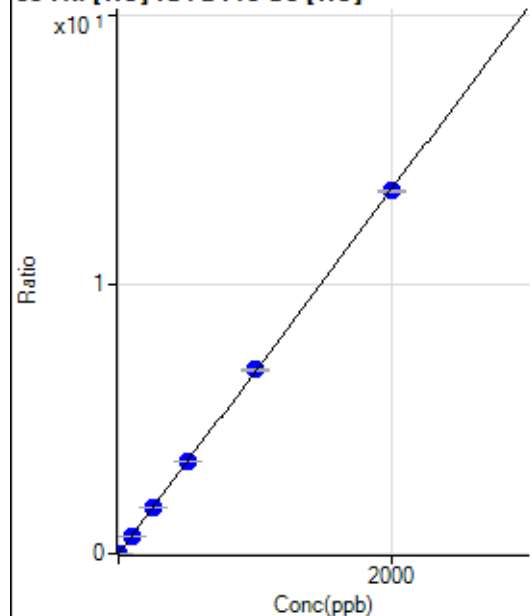
$$R = 1.0000$$

$$DL = 0.0546$$

$$BEC = 0.2405$$

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	51.11	0.0002	P	20.1
2	☐	0.100					
3	☐	1.000	0.970	1664.57	0.0068	P	1.8
4	☐	100.000	99.665	161379.31	0.6734	P	0.6
5	☐	250.000	256.103	389469.97	1.7299	P	0.9
6	☐	500.000	511.299	731600.59	3.4535	P	0.2
7	☐	1000.000	1008.723	1435166.18	6.8132	P	0.5
8	☐	2000.000	1992.068	2787697.67	13.4547	P	0.7
9	☐			10908.62	0.0518	P	3.2

$$y = 0.0068 * x + 2.0706E-004$$

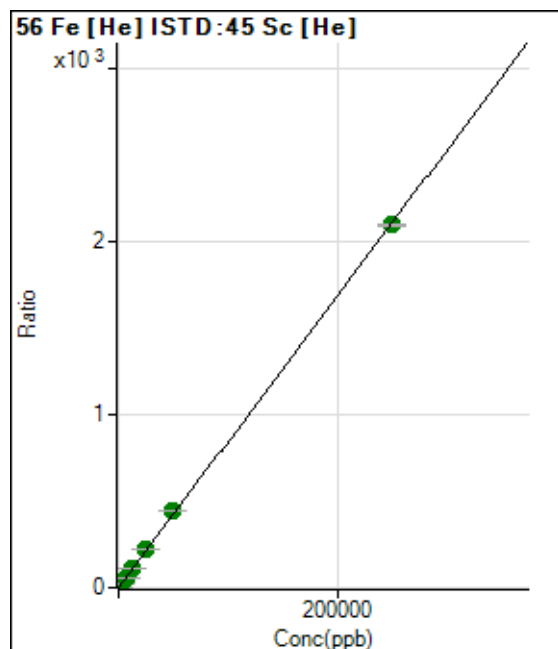
$$R = 1.0000$$

$$DL = 0.0185$$

$$BEC = 0.03066$$

Weight: <None>

Min Conc: 0



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	3396.78	0.0138	P	1.9
2	☐	5.000					
3	☐	50.000	52.199	111630.14	0.4533	P	0.1
4	☐	2500.000	2660.124	5372064.99	22.4149	A	0.3
5	☐	6250.000	6819.860	12932903.88	57.4444	A	0.7
6	☐	12500.000	13656.774	24365188.04	115.0186	A	0.5
7	☐	25000.000	26868.743	47664487.64	226.2777	A	0.5
8	☐	50000.000	53004.187	92483189.10	446.3665	A	0.9
9	☐	250000.00	249138.60	442150806.1	2,098.031	A	0.6

$$y = 0.0084 * x + 0.0138$$

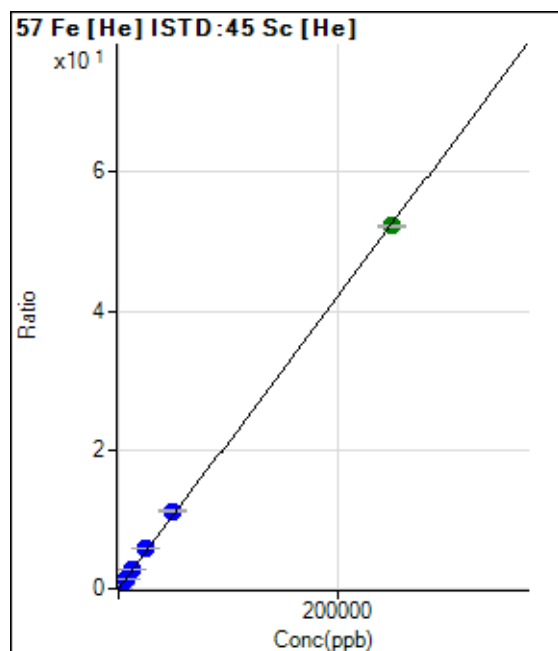
$$R = 0.9999$$

$$DL = 0.09189$$

$$BEC = 1.634$$

Weight: <None>

Min Conc: 0



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	109.26	0.0004	P	33.2
2	☐	5.000					
3	☐	50.000	55.884	2996.68	0.0122	P	5.9
4	☐	2500.000	2688.020	135317.56	0.5646	P	0.8
5	☐	6250.000	6874.908	324955.42	1.4434	P	0.8
6	☐	12500.000	13759.440	611843.92	2.8884	P	1.0
7	☐	25000.000	27112.429	1198772.64	5.6909	P	0.4
8	☐	50000.000	53405.495	2322533.53	11.2095	P	0.5
9	☐	250000.00	249027.18	11015272.01	52.2676	A	0.5

$$y = 2.0989E-004 * x + 4.4255E-004$$

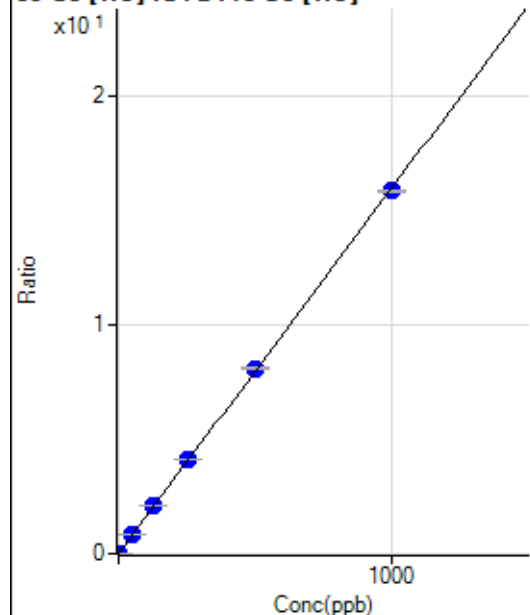
$$R = 0.9999$$

$$DL = 2.099$$

$$BEC = 2.109$$

Weight: <None>

Min Conc: 0

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

	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	45.56	0.0002	P	27.4
2	☐	0.100					
3	☐	1.000	0.944	3752.77	0.0152	P	3.8
4	☐	50.000	51.206	195806.88	0.8170	P	0.4
5	☐	125.000	130.603	469071.52	2.0835	P	1.0
6	☐	250.000	258.427	873308.27	4.1225	P	0.3
7	☐	500.000	507.619	1705694.59	8.0975	P	0.6
8	☐	1000.000	993.323	3283032.83	15.8453	P	0.5
9	☐			37633.85	0.1786	P	0.7

$$y = 0.0160 * x + 1.8442E-004$$

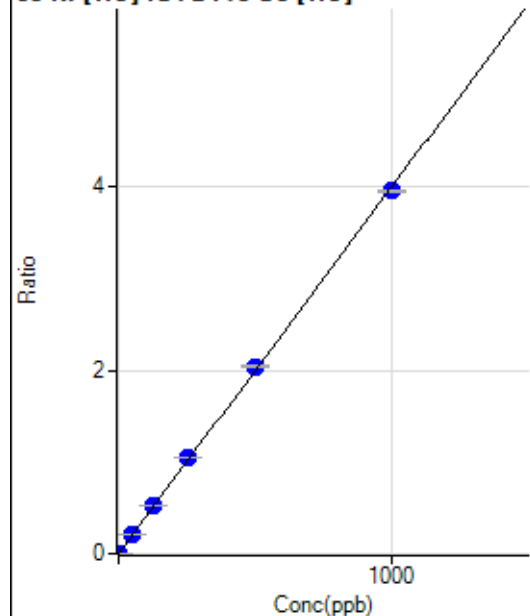
$$R = 0.9999$$

$$DL = 0.009507$$

$$BEC = 0.01156$$

Weight: <None>

Min Conc: 0

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

	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	78.89	0.0003	P	16.1
2	☐	0.100					
3	☐	1.000	1.028	1088.95	0.0044	P	5.0
4	☐	50.000	52.231	50045.25	0.2088	P	1.0
5	☐	125.000	132.658	119292.32	0.5299	P	1.0
6	☐	250.000	261.840	221485.09	1.0456	P	0.6
7	☐	500.000	511.639	430291.09	2.0427	P	0.2
8	☐	1000.000	990.151	819005.01	3.9529	P	0.6
9	☐			9864.55	0.0468	P	2.1

$$y = 0.0040 * x + 3.1952E-004$$

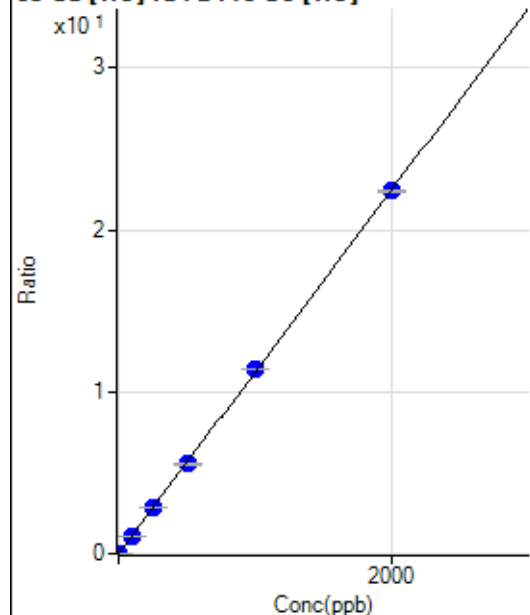
$$R = 0.9998$$

$$DL = 0.03856$$

$$BEC = 0.08004$$

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	506.68	0.0021	P	0.3
2	☐	0.200					
3	☐	2.000	1.802	5485.57	0.0223	P	4.2
4	☐	100.000	98.213	264612.27	1.1041	P	0.9
5	☐	250.000	250.084	632258.38	2.8083	P	0.8
6	☐	500.000	492.028	1170016.39	5.5232	P	0.6
7	☐	1000.000	1011.741	2391903.33	11.3551	P	0.2
8	☐	2000.000	1996.202	4641488.09	22.4020	P	0.7
9	☐			6119.14	0.0290	P	3.0

$$y = 0.0112 * x + 0.0021$$

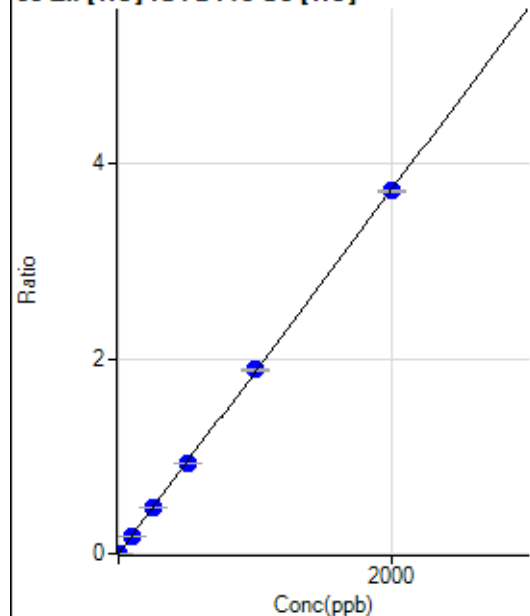
$$R = 1.0000$$

$$DL = 0.001456$$

$$BEC = 0.1829$$

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	351.12	0.0014	P	2.2
2	☐	0.200					
3	☐	2.000	2.032	1283.41	0.0052	P	11.7
4	☐	100.000	98.615	44426.47	0.1854	P	1.0
5	☐	250.000	250.711	105610.58	0.4691	P	0.9
6	☐	500.000	498.294	197198.51	0.9309	P	1.0
7	☐	1000.000	1011.813	397876.47	1.8888	P	0.6
8	☐	2000.000	1994.500	771151.50	3.7219	P	0.4
9	☐			6200.30	0.0294	P	0.3

$$y = 0.0019 * x + 0.0014$$

$$R = 1.0000$$

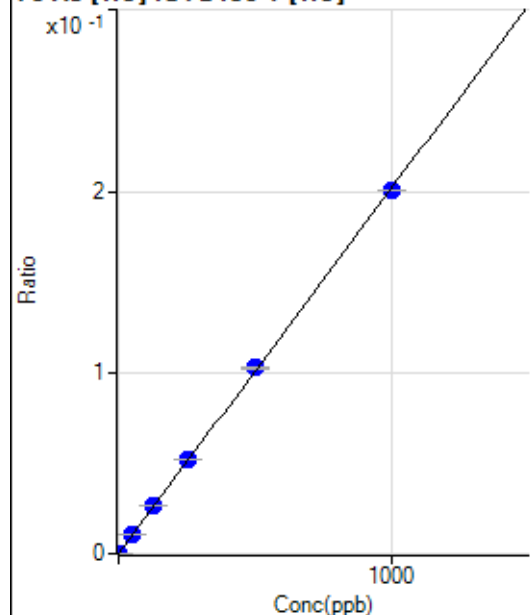
$$DL = 0.05121$$

$$BEC = 0.7624$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	10.49	0.0000	P	20.4
2	☐	0.100					
3	☐	1.000	0.970	275.31	0.0002	P	2.0
4	☐	50.000	51.464	13821.47	0.0104	P	1.4
5	☐	125.000	130.625	33215.68	0.0264	P	0.9
6	☐	250.000	256.946	62227.92	0.0518	P	0.7
7	☐	500.000	509.419	122068.47	0.1027	P	0.7
8	☐	1000.000	992.778	234834.96	0.2002	P	0.1
9	☐			355.57	0.0003	P	14.6

$$y = 2.0167\text{E-}004 * x + 7.6721\text{E-}006$$

$$R = 0.9999$$

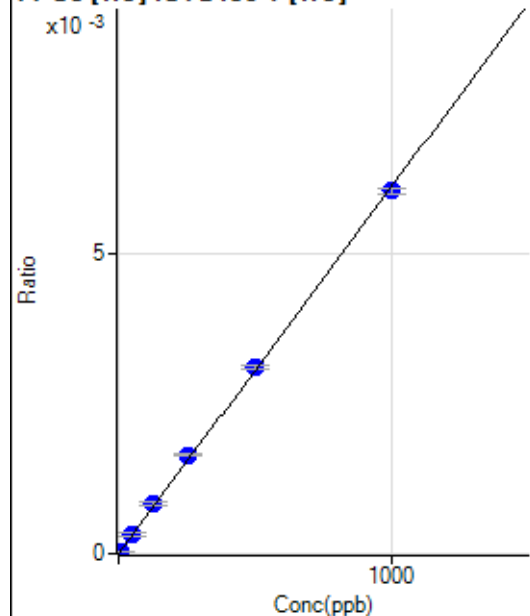
$$DL = 0.02323$$

$$BEC = 0.03804$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	0.00	0.0000	P	
2	☐	0.500					
3	☐	5.000	4.702	38.89	0.0000	P	5.1
4	☐	50.000	52.041	423.35	0.0003	P	13.8
5	☐	125.000	136.483	1051.17	0.0008	P	4.2
6	☐	250.000	268.344	1969.06	0.0016	P	2.6
7	☐	500.000	510.001	3702.76	0.0031	P	1.8
8	☐	1000.000	988.878	7087.41	0.0060	P	1.5
9	☐			3.33	0.0000	P	0.5

$$y = 6.1108\text{E-}006 * x + 0.0000\text{E+}000$$

$$R = 0.9997$$

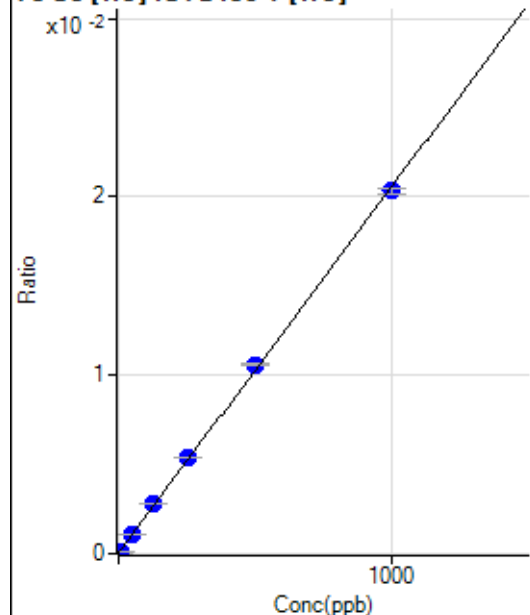
$$DL = 0$$

$$BEC = 0$$

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	53.09	0.0000	P	4.3
2	☐	0.500					
3	☐	5.000	5.155	195.68	0.0001	P	7.0
4	☐	50.000	51.099	1446.38	0.0011	P	2.6
5	☐	125.000	134.479	3525.77	0.0028	P	3.0
6	☐	250.000	260.063	6451.49	0.0054	P	1.3
7	☐	500.000	513.599	12562.30	0.0106	P	1.1
8	☐	1000.000	989.444	23848.71	0.0203	P	1.6
9	☐			54.94	0.0000	P	27.9

$$y = 2.0511\text{E-}005 * x + 3.8816\text{E-}005$$

$$R = 0.9998$$

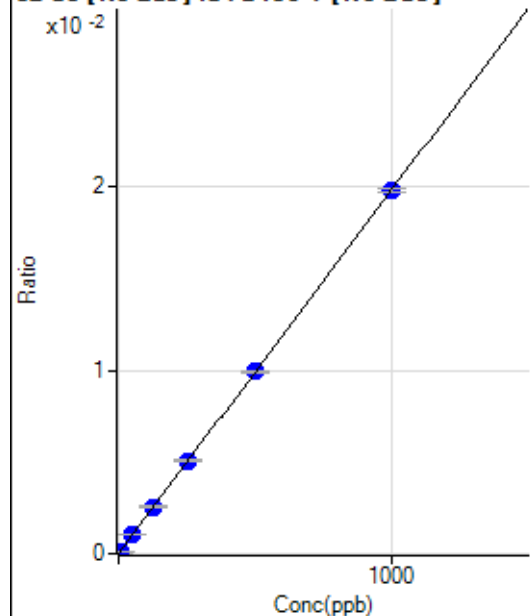
$$DL = 0.2418$$

$$BEC = 1.892$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	81.53	0.0000	P	16.4
2	☐	0.500					
3	☐	5.000	4.586	807.94	0.0001	P	6.6
4	☐	50.000	51.112	8047.62	0.0010	P	2.2
5	☐	125.000	129.075	19690.29	0.0026	P	1.0
6	☐	250.000	255.601	36582.26	0.0051	P	0.6
7	☐	500.000	500.247	70236.28	0.0099	P	1.1
8	☐	1000.000	997.913	136230.95	0.0198	P	1.2
9	☐			66.26	0.0000	P	7.6

$$y = 1.9823\text{E-}005 * x + 1.0384\text{E-}005$$

$$R = 1.0000$$

$$DL = 0.2583$$

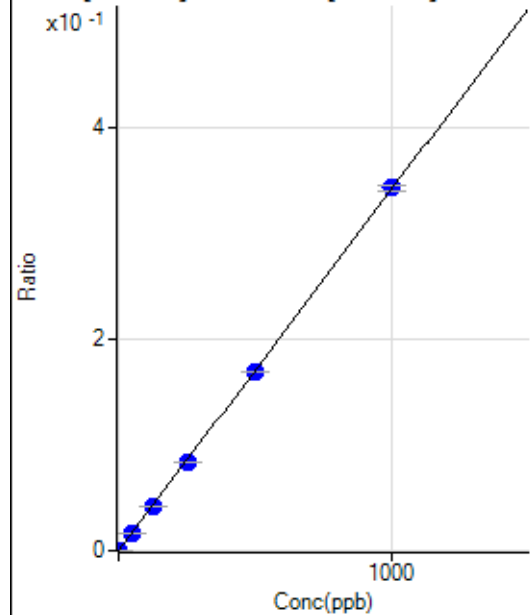
$$BEC = 0.5238$$

Weight: <None>

Min Conc: 0

83 Kr [No Gas] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			274.45		P	9.0
2	☐						
3	☐			326.68		P	1.0
4	☐			295.57		P	17.2
5	☐			266.67		P	10.7
6	☐			250.01		P	4.8
7	☐			267.78		P	13.1
8	☐			260.01		P	16.7
9	☐			311.12		P	7.0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	450.03	0.0001	P	11.2
2	☐	0.100					
3	☐	1.000	0.861	2797.60	0.0004	P	7.9
4	☐	50.000	48.241	129809.82	0.0165	P	2.3
5	☐	125.000	123.277	322739.07	0.0421	P	0.1
6	☐	250.000	246.591	606502.59	0.0842	P	0.4
7	☐	500.000	493.367	1191243.28	0.1684	P	0.3
8	☐	1000.000	1004.472	2358830.44	0.3427	P	1.5
9	☐			9606.33	0.0014	P	0.9

$$y = 3.4112\text{E-}004 * x + 5.7201\text{E-}005$$

$$R = 1.0000$$

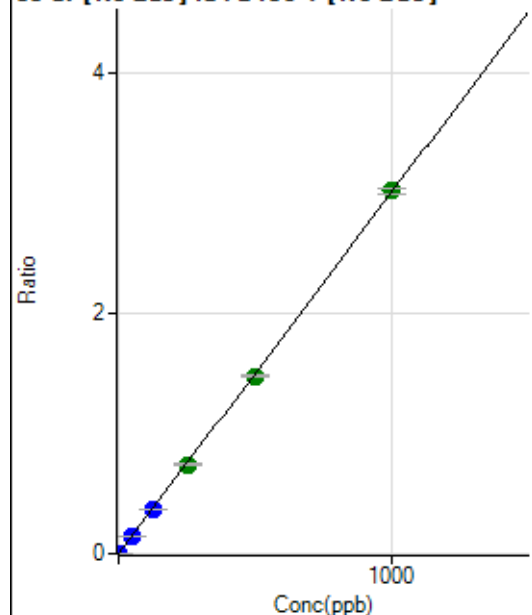
$$DL = 0.05631$$

$$BEC = 0.1677$$

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	336.13	0.0000	P	17.2
2	☐	0.100					
3	☐	1.000	0.863	21032.85	0.0026	P	3.2
4	☐	50.000	48.278	1141871.75	0.1453	P	2.2
5	☐	125.000	123.638	2850490.88	0.3719	P	0.5
6	☐	250.000	247.165	5356992.57	0.7435	A	0.5
7	☐	500.000	492.173	10475161.78	1.4804	A	0.3
8	☐	1000.000	1004.879	20804555.50	3.0225	A	1.4
9	☐			81746.67	0.0120	P	0.8

$$y = 0.0030 * x + 4.2802E-005$$

$$R = 1.0000$$

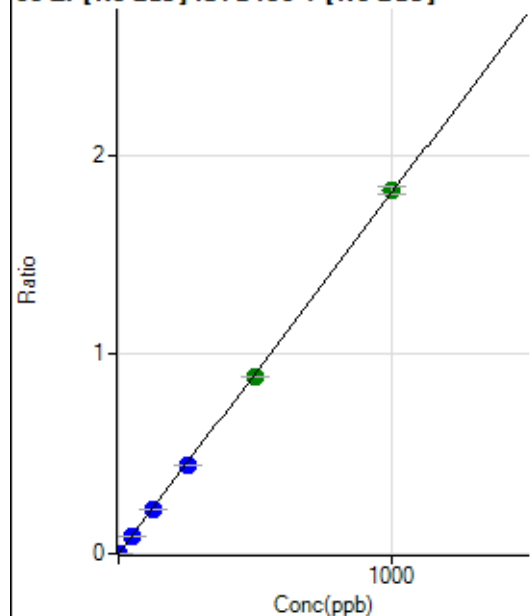
$$DL = 0.007328$$

$$BEC = 0.01423$$

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	638.94	0.0001	P	15.0
2	☐	0.100					
3	☐	1.000	0.830	12617.17	0.0016	P	1.0
4	☐	50.000	48.046	683398.62	0.0869	P	1.8
5	☐	125.000	122.337	1695495.22	0.2212	P	0.3
6	☐	250.000	244.630	3186762.83	0.4423	P	0.3
7	☐	500.000	491.214	6283366.41	0.8880	A	0.4
8	☐	1000.000	1006.166	12518578.32	1.8188	A	2.0
9	☐			3764.57	0.0006	P	8.9

$$y = 0.0018 * x + 8.0822E-005$$

$$R = 0.9999$$

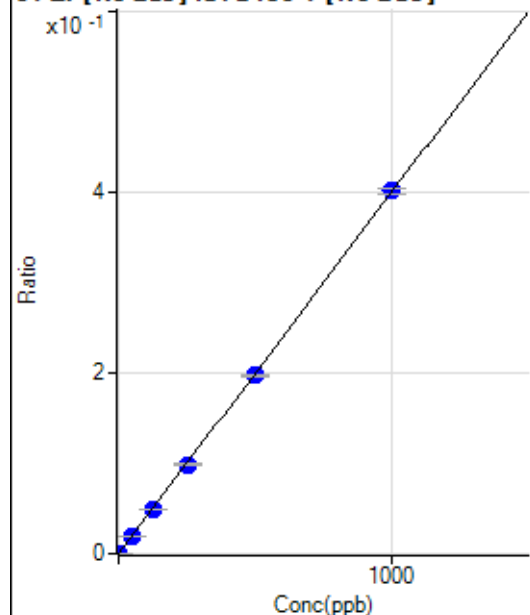
$$DL = 0.02012$$

$$BEC = 0.04471$$

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	127.78	0.0000	P	28.1
2	☐	0.100					
3	☐	1.000	0.847	2833.75	0.0004	P	3.9
4	☐	50.000	48.271	151924.91	0.0193	P	2.3
5	☐	125.000	123.201	377855.39	0.0493	P	0.2
6	☐	250.000	247.457	713380.44	0.0990	P	0.4
7	☐	500.000	492.571	1394344.11	0.1971	P	0.6
8	☐	1000.000	1004.662	2766317.27	0.4019	P	1.8
9	☐			850.06	0.0001	P	12.2

$$y = 4.0003\text{E-}004 * x + 1.6333\text{E-}005$$

$$R = 1.0000$$

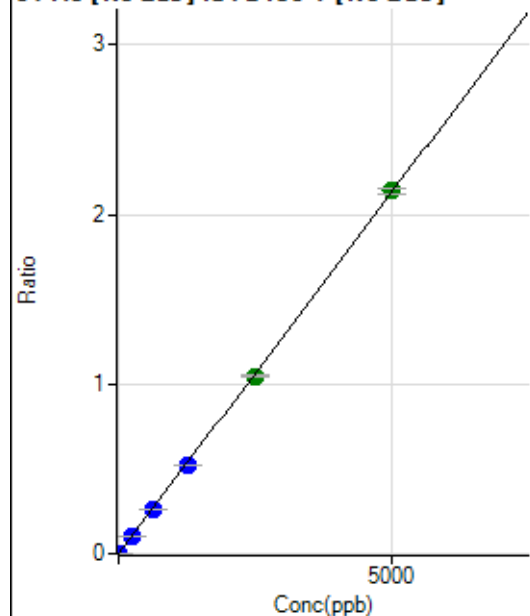
$$DL = 0.03439$$

$$BEC = 0.04083$$

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	288.91	0.0000	P	14.6
2	☐	0.500					
3	☐	5.000	4.435	15344.90	0.0019	P	3.6
4	☐	250.000	241.272	807483.19	0.1027	P	2.1
5	☐	625.000	616.203	2010162.59	0.2623	P	0.5
6	☐	1250.000	1233.713	3783385.33	0.5251	P	0.5
7	☐	2500.000	2461.183	7411651.12	1.0475	A	0.4
8	☐	5000.000	5025.017	14719643.73	2.1386	A	1.8
9	☐			7204.89	0.0011	P	7.6

$$y = 4.2558\text{E-}004 * x + 3.6443\text{E-}005$$

$$R = 1.0000$$

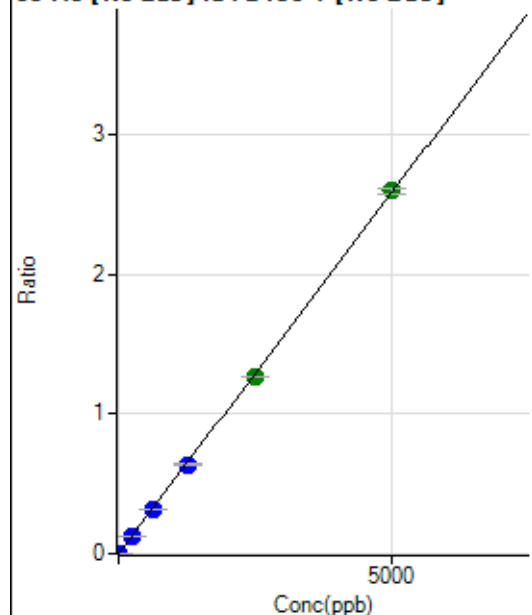
$$DL = 0.03759$$

$$BEC = 0.08563$$

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	61.12	0.0000	P	30.7
2	☐	0.500					
3	☐	5.000	4.475	18473.82	0.0023	P	3.6
4	☐	250.000	241.310	978849.65	0.1245	P	2.4
5	☐	625.000	614.843	2431582.43	0.3173	P	0.2
6	☐	1250.000	1237.491	4600894.76	0.6385	P	0.6
7	☐	2500.000	2450.819	8948092.65	1.2646	A	0.4
8	☐	5000.000	5029.422	17862060.47	2.5951	A	1.8
9	☐			10949.08	0.0016	P	3.7

$$y = 5.1599\text{E-}004 * x + 7.6791\text{E-}006$$

$$R = 0.9999$$

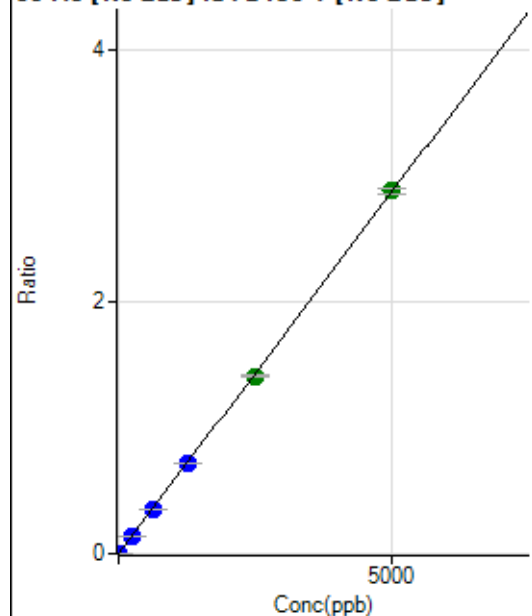
$$DL = 0.01371$$

$$BEC = 0.01488$$

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	150.01	0.0000	P	16.1
2	☐	0.500					
3	☐	5.000	4.529	20846.44	0.0026	P	0.8
4	☐	250.000	242.036	1090417.55	0.1387	P	2.2
5	☐	625.000	619.589	2721254.23	0.3551	P	0.1
6	☐	1250.000	1241.985	5127980.02	0.7117	P	0.6
7	☐	2500.000	2461.408	9979893.89	1.4104	A	0.6
8	☐	5000.000	5022.375	19808345.06	2.8779	A	1.8
9	☐			14460.63	0.0021	P	5.2

$$y = 5.7301\text{E-}004 * x + 1.9099\text{E-}005$$

$$R = 1.0000$$

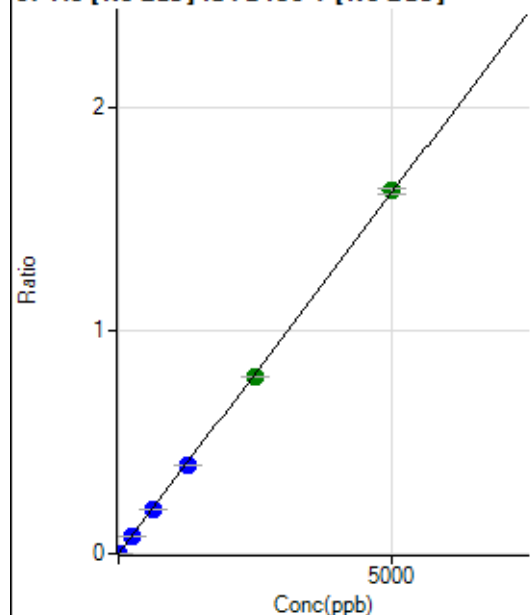
$$DL = 0.0161$$

$$BEC = 0.03333$$

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	63.89	0.0000	P	38.5
2	☐	0.500					
3	☐	5.000	4.560	11844.26	0.0015	P	1.8
4	☐	250.000	241.106	614045.55	0.0781	P	2.0
5	☐	625.000	615.486	1528127.99	0.1994	P	0.3
6	☐	1250.000	1232.299	2876251.63	0.3992	P	0.7
7	☐	2500.000	2457.987	5633921.44	0.7962	A	0.3
8	☐	5000.000	5027.066	11208104.85	1.6284	A	1.9
9	☐			6496.20	0.0010	P	2.4

$$y = 3.2393\text{E-}004 * x + 7.9880\text{E-}006$$

$$R = 0.9999$$

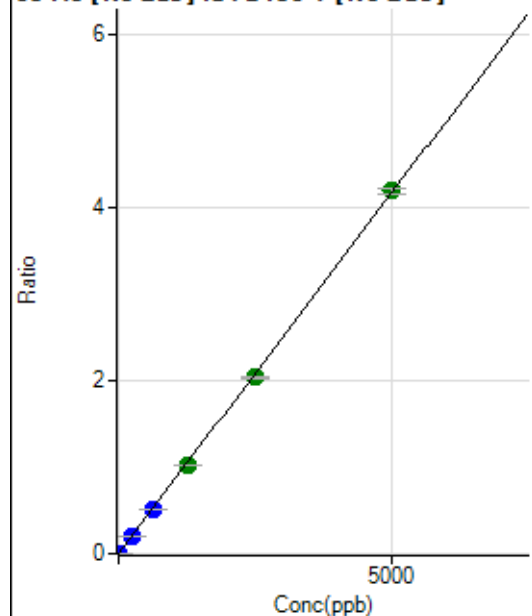
$$DL = 0.02846$$

$$BEC = 0.02466$$

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	116.67	0.0000	P	22.2
2	☐	0.500					
3	☐	5.000	4.504	30057.67	0.0038	P	2.6
4	☐	250.000	241.651	1583291.61	0.2014	P	2.1
5	☐	625.000	620.095	3960932.86	0.5168	P	0.2
6	☐	1250.000	1229.089	7380658.41	1.0243	A	0.3
7	☐	2500.000	2445.750	14422472.72	2.0383	A	0.5
8	☐	5000.000	5033.384	28871972.87	4.1948	A	1.9
9	☐			16390.69	0.0024	P	5.0

$$y = 8.3339\text{E-}004 * x + 1.4740\text{E-}005$$

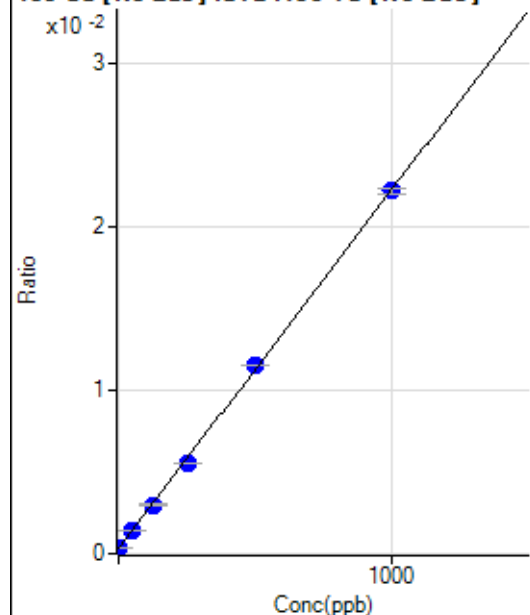
$$R = 0.9999$$

$$DL = 0.01178$$

$$BEC = 0.01769$$

Weight: <None>

Min Conc: 0

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

	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	3514.48	0.0003	P	0.8
2	☐	0.100					
3	☐	1.000	0.333	3611.73	0.0003	P	0.8
4	☐	50.000	49.712	15853.90	0.0014	P	1.3
5	☐	125.000	122.397	33727.10	0.0030	P	1.0
6	☐	250.000	237.795	60781.04	0.0055	P	1.3
7	☐	500.000	511.329	125874.61	0.0115	P	0.1
8	☐	1000.000	997.728	238305.50	0.0222	P	1.5
9	☐			15242.07	0.0015	P	1.7

$$y = 2.1947\text{E-}005 * x + 3.1403\text{E-}004$$

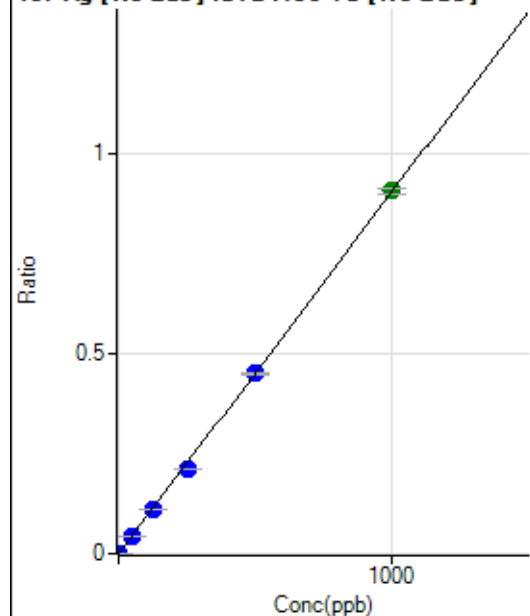
$$R = 0.9998$$

$$DL = 0.3302$$

$$BEC = 14.31$$

Weight: <None>

Min Conc: 0

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

	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	86.11	0.0000	P	46.1
2	☐	0.100					
3	☐	1.000	0.892	9119.93	0.0008	P	0.9
4	☐	50.000	49.492	503119.89	0.0446	P	2.4
5	☐	125.000	122.584	1241615.84	0.1105	P	0.1
6	☐	250.000	234.737	2323382.13	0.2115	P	0.3
7	☐	500.000	498.546	4901172.16	0.4492	P	0.5
8	☐	1000.000	1004.870	9713890.58	0.9054	A	1.4
9	☐			618064.27	0.0596	P	0.4

$$y = 9.0097\text{E-}004 * x + 7.6029\text{E-}006$$

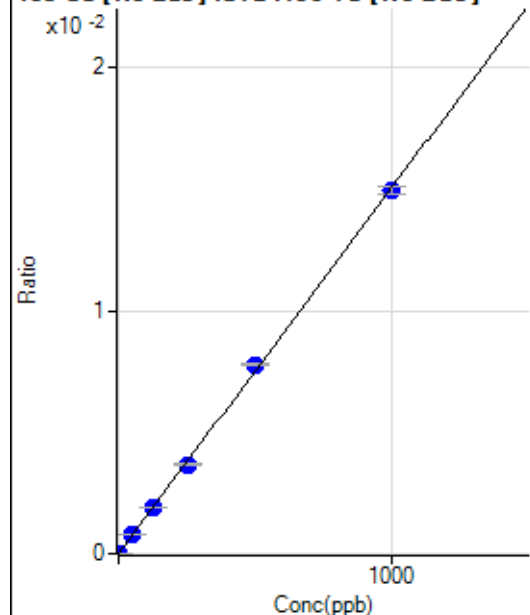
$$R = 0.9999$$

$$DL = 0.01167$$

$$BEC = 0.008439$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	6.94	0.0000	P	89.6
2	☐	0.100					
3	☐	1.000	0.813	144.45	0.0000	P	10.7
4	☐	50.000	51.481	8736.21	0.0008	P	3.0
5	☐	125.000	125.888	21278.73	0.0019	P	2.8
6	☐	250.000	244.176	40328.23	0.0037	P	0.9
7	☐	500.000	518.007	84969.46	0.0078	P	1.0
8	☐	1000.000	992.268	160031.42	0.0149	P	2.3
9	☐			9110.03	0.0009	P	2.4

$$y = 1.5032\text{E-}005 * x + 6.2382\text{E-}007$$

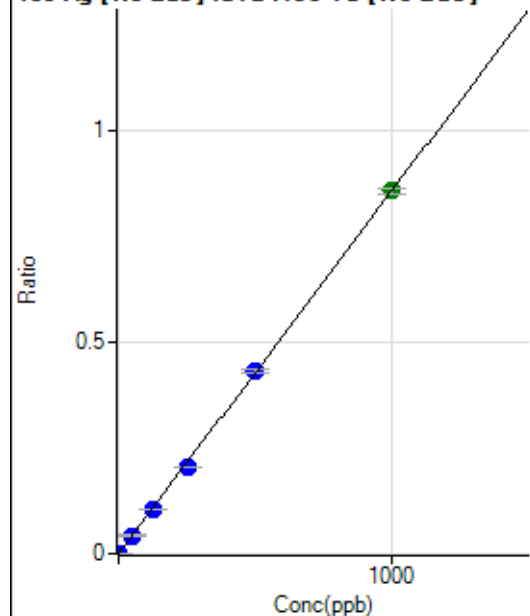
$$R = 0.9997$$

$$DL = 0.1116$$

$$BEC = 0.0415$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	63.89	0.0000	P	20.8
2	☐	0.100					
3	☐	1.000	0.885	8586.28	0.0008	P	3.5
4	☐	50.000	49.995	483248.35	0.0428	P	2.2
5	☐	125.000	123.178	1186282.33	0.1055	P	0.2
6	☐	250.000	238.039	2240190.74	0.2039	P	0.6
7	☐	500.000	503.968	4710835.74	0.4317	P	1.1
8	☐	1000.000	1001.235	9202639.88	0.8577	A	1.7
9	☐			588926.44	0.0568	P	0.3

$$y = 8.5667\text{E-}004 * x + 5.7518\text{E-}006$$

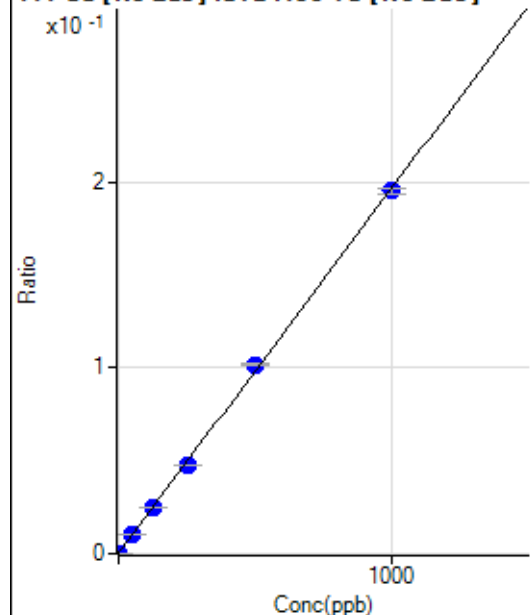
$$R = 0.9999$$

$$DL = 0.004181$$

$$BEC = 0.006714$$

Weight: <None>

Min Conc: 0

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

	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	2465.00	0.0002	P	0.9
2	☐	0.100					
3	☐	1.000	0.869	4393.95	0.0004	P	3.1
4	☐	50.000	49.811	112792.28	0.0100	P	1.9
5	☐	125.000	123.579	275152.58	0.0245	P	0.2
6	☐	250.000	241.438	523018.03	0.0476	P	0.8
7	☐	500.000	517.789	1111376.33	0.1019	P	0.7
8	☐	1000.000	993.433	2094453.57	0.1952	P	1.8
9	☐			142419.64	0.0137	P	0.7

$$y = 1.9629\text{E-}004 * x + 2.2025\text{E-}004$$

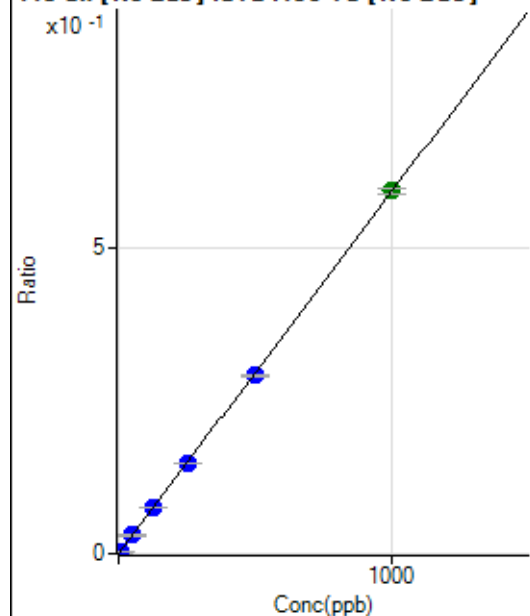
$$R = 0.9997$$

$$DL = 0.03191$$

$$BEC = 1.122$$

Weight: <None>

Min Conc: 0

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

	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	458.36	0.0000	P	16.1
2	☐	0.500					
3	☐	5.000	4.776	32118.14	0.0029	P	1.8
4	☐	50.000	50.821	338535.31	0.0300	P	2.4
5	☐	125.000	128.128	849786.49	0.0756	P	0.2
6	☐	250.000	250.638	1624006.48	0.1478	P	1.0
7	☐	500.000	492.450	3168953.52	0.2904	P	0.5
8	☐	1000.000	1003.185	6347086.95	0.5916	A	1.9
9	☐			4400.86	0.0004	P	1.6

$$y = 5.8968\text{E-}004 * x + 4.1188\text{E-}005$$

$$R = 1.0000$$

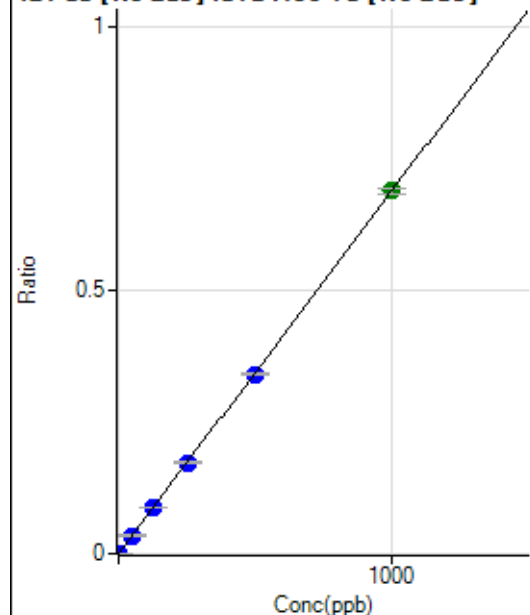
$$DL = 0.03366$$

$$BEC = 0.06985$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	80.56	0.0000	P	39.8
2	☐	0.200					
3	☐	2.000	1.754	13646.05	0.0012	P	4.4
4	☐	50.000	50.260	390415.56	0.0346	P	2.3
5	☐	125.000	128.417	993862.42	0.0884	P	0.3
6	☐	250.000	251.318	1900643.75	0.1730	P	0.7
7	☐	500.000	495.735	3723814.62	0.3413	P	0.3
8	☐	1000.000	1001.363	7396150.25	0.6894	A	1.6
9	☐			10571.11	0.0010	P	2.8

$$y = 6.8841\text{E-}004 * x + 7.1886\text{E-}006$$

$$R = 1.0000$$

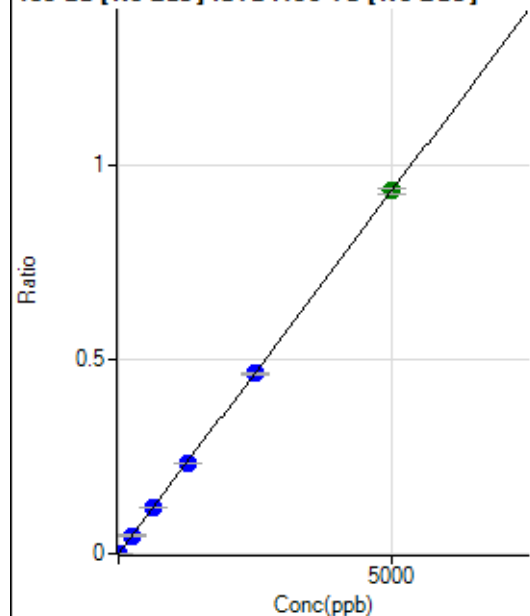
$$DL = 0.01246$$

$$BEC = 0.01044$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	55.56	0.0000	P	15.5
2	☐	1.000					
3	☐	10.000	9.226	19408.66	0.0017	P	1.3
4	☐	250.000	252.012	530659.99	0.0470	P	1.6
5	☐	625.000	636.259	1334790.11	0.1187	P	0.7
6	☐	1250.000	1254.412	2571589.12	0.2341	P	0.4
7	☐	2500.000	2483.364	5056656.06	0.4634	P	0.4
8	☐	5000.000	5005.708	10022105.17	0.9341	A	1.8
9	☐			1727.96	0.0002	P	10.5

$$y = 1.8661\text{E-}004 * x + 4.9616\text{E-}006$$

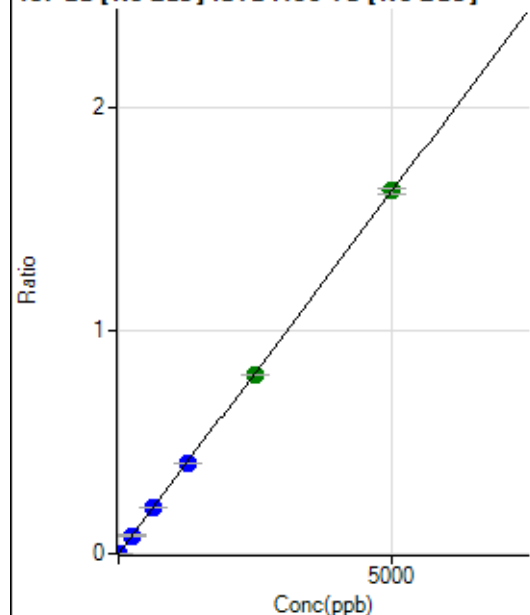
$$R = 1.0000$$

$$DL = 0.01236$$

$$BEC = 0.02659$$

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	75.00	0.0000	P	16.4
2	☐	1.000					
3	☐	10.000	9.252	33883.89	0.0030	P	1.8
4	☐	250.000	250.753	919881.93	0.0815	P	2.2
5	☐	625.000	633.276	2314754.85	0.2059	P	0.5
6	☐	1250.000	1248.904	4460963.55	0.4061	P	0.7
7	☐	2500.000	2476.069	8784721.29	0.8051	A	0.4
8	☐	5000.000	5011.169	17481383.03	1.6294	A	1.8
9	☐			2900.43	0.0003	P	1.1

$$y = 3.2515E-004 * x + 6.6895E-006$$

$$R = 1.0000$$

$$DL = 0.0101$$

$$BEC = 0.02057$$

Weight: <None>

Min Conc: 0

150 Nd [No Gas] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			4.45		P	86.6
2	☐						
3	☐			2.22		P	173.
4	☐			51.12		P	45.8
5	☐			168.89		P	9.9
6	☐			217.79		P	9.8
7	☐			493.36		P	5.9
8	☐			937.85		P	7.8
9	☐			157.78		P	25.5

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	☐			5.55		P	124.
5	☐			14.44		P	13.4
6	☐			27.78		P	56.7
7	☐			61.11		P	37.1
8	☐			103.33		P	25.2
9	☐			57.78		P	14.5

156 Dy [No Gas] No available calibration points

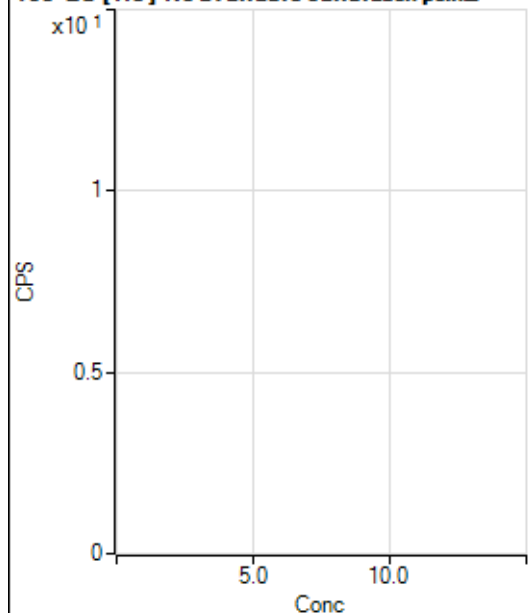
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			8.33		P	100.
2	☐						
3	☐			2.78		P	173.
4	☐			19.45		P	24.7
5	☐			22.22		P	57.3
6	☐			63.89		P	30.1
7	☐			119.45		P	17.6
8	☐			150.01		P	22.2
9	☐			77.78		P	53.9

156 Dy [He] No available calibration points

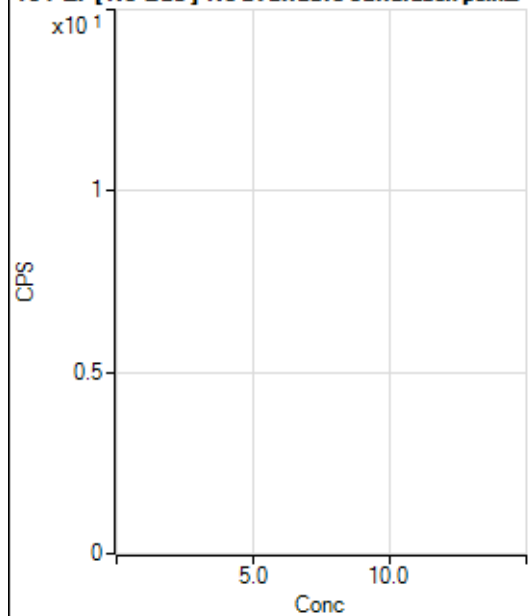
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			1.11		P	173.
2	☐						
3	☐			6.67		P	86.6
4	☐			22.22		P	17.3
5	☐			22.22		P	37.8
6	☐			36.66		P	41.7
7	☐			82.23		P	6.2
8	☐			212.23		P	4.5
9	☐			42.22		P	27.7

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			52.78		P	39.7
2	☐						
3	☐			63.89		P	49.4
4	☐			47.22		P	44.4
5	☐			69.45		P	25.0
6	☐			77.78		P	22.3
7	☐			69.45		P	13.9
8	☐			80.56		P	11.9
9	☐			91.67		P	55.3

160 Gd [He] No available calibration points

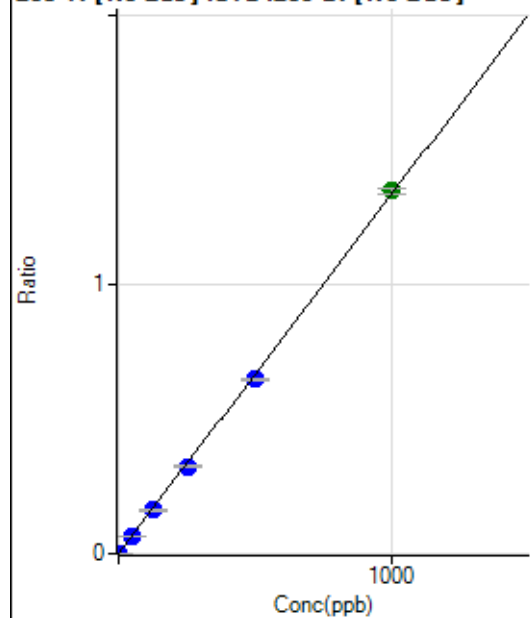
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			154.45		P	13.9
2	☐						
3	☐			162.22		P	4.3
4	☐			160.00		P	16.5
5	☐			160.00		P	11.6
6	☐			170.00		P	13.7
7	☐			150.00		P	21.2
8	☐			165.56		P	7.1
9	☐			185.56		P	19.2

164 Er [No Gas] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			27.78		P	17.3
2	☐						
3	☐			41.67		P	40.0
4	☐			22.22		P	21.6
5	☐			36.11		P	26.7
6	☐			33.33		P	25.0
7	☐			27.78		P	45.8
8	☐			61.11		P	47.9
9	☐			72.23		P	24.0

164 Er [He] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			25.56		P	32.8
2	☐						
3	☐			11.11		P	75.5
4	☐			14.44		P	58.1
5	☐			21.11		P	36.5
6	☐			15.55		P	68.9
7	☐			30.00		P	0.0
8	☐			28.89		P	43.7
9	☐			34.45		P	11.2

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	163.90	0.0000	P	34.8
2	☐	0.100					
3	☐	1.000	0.813	8483.62	0.0011	P	1.0
4	☐	50.000	47.289	482656.08	0.0631	P	2.2
5	☐	125.000	120.632	1234387.83	0.1608	P	0.6
6	☐	250.000	243.255	2440228.44	0.3243	P	0.6
7	☐	500.000	485.070	4789999.50	0.6466	P	1.0
8	☐	1000.000	1009.833	9608413.50	1.3461	A	1.7
9	☐			2419.77	0.0004	P	15.2

$$y = 0.0013 * x + 2.1189E-005$$

$$R = 0.9998$$

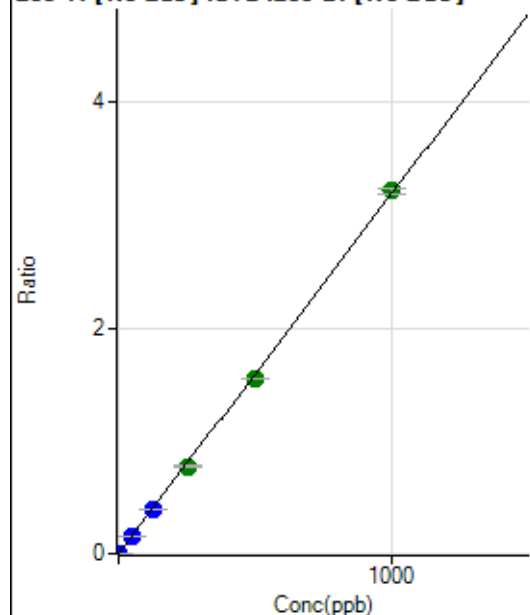
$$DL = 0.01658$$

$$BEC = 0.0159$$

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	383.35	0.0000	P	6.8
2	☐	0.100					
3	☐	1.000	0.823	20505.42	0.0027	P	2.7
4	☐	50.000	47.014	1146953.69	0.1498	P	2.0
5	☐	125.000	121.273	2966005.28	0.3864	P	0.7
6	☐	250.000	243.013	5826699.26	0.7743	A	0.6
7	☐	500.000	487.716	11511585.93	1.5540	A	0.1
8	☐	1000.000	1008.504	22935423.26	3.2132	A	1.6
9	☐			6146.15	0.0010	P	9.6

$$y = 0.0032 * x + 4.9939E-005$$

$$R = 0.9999$$

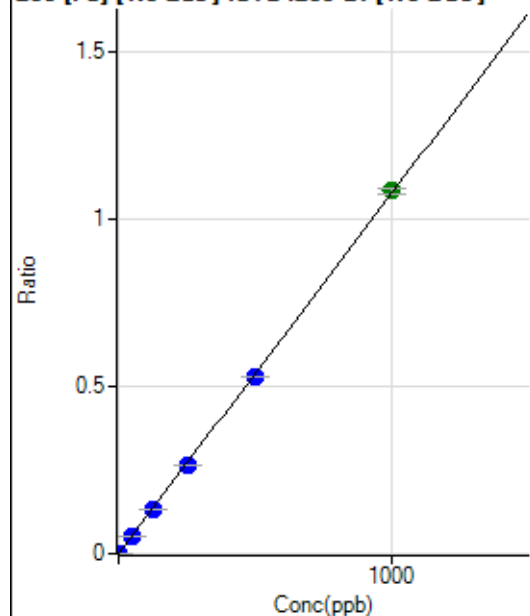
$$DL = 0.003181$$

$$BEC = 0.01567$$

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	307.42	0.0000	P	15.0
2	☐	0.100					
3	☐	1.000	0.855	7367.06	0.0010	P	3.0
4	☐	50.000	47.634	392378.12	0.0513	P	2.0
5	☐	125.000	121.785	1005476.65	0.1310	P	0.6
6	☐	250.000	243.787	1972998.77	0.2622	P	0.5
7	☐	500.000	489.311	3898118.49	0.5262	P	0.2
8	☐	1000.000	1007.418	7732683.45	1.0833	A	1.7
9	☐			8028.58	0.0013	P	4.0

$$y = 0.0011 * x + 4.0330E-005$$

$$R = 0.9999$$

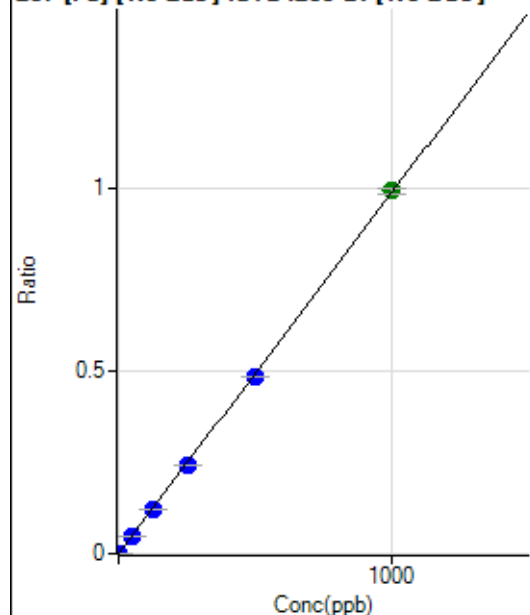
$$DL = 0.01684$$

$$BEC = 0.03751$$

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	275.94	0.0000	P	13.1
2	☐	0.100					
3	☐	1.000	0.822	6507.34	0.0008	P	4.4
4	☐	50.000	47.657	360710.86	0.0471	P	1.6
5	☐	125.000	121.358	920600.03	0.1199	P	0.5
6	☐	250.000	245.676	1826855.92	0.2428	P	0.7
7	☐	500.000	490.830	3592706.45	0.4850	P	0.8
8	☐	1000.000	1006.239	7096670.70	0.9942	A	1.6
9	☐			6776.00	0.0011	P	2.8

$$y = 9.8802\text{E-}004 * x + 3.6057\text{E-}005$$

$$R = 0.9999$$

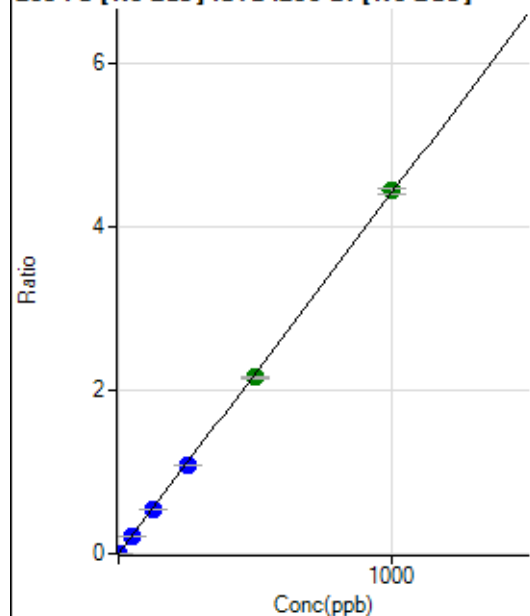
$$DL = 0.01429$$

$$BEC = 0.03649$$

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	1283.40	0.0002	P	11.0
2	☐	0.100					
3	☐	1.000	0.837	29645.29	0.0039	P	0.9
4	☐	50.000	47.683	1612075.77	0.2106	P	1.7
5	☐	125.000	122.078	4136483.54	0.5389	P	0.4
6	☐	250.000	246.054	8172569.60	1.0860	P	0.7
7	☐	500.000	489.385	16000333.46	2.1599	A	0.6
8	☐	1000.000	1006.775	31715915.87	4.4432	A	1.4
9	☐			31776.87	0.0049	P	2.3

$$y = 0.0044 * x + 1.6814\text{E-}004$$

$$R = 0.9999$$

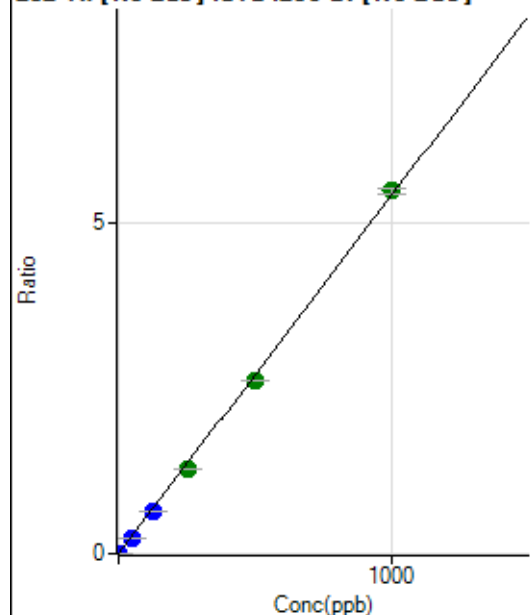
$$DL = 0.01262$$

$$BEC = 0.0381$$

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	181.49	0.0000	P	7.6
2	☐	0.100					
3	☐	1.000	0.749	31364.08	0.0041	P	2.7
4	☐	50.000	44.842	1861178.17	0.2432	P	2.5
5	☐	125.000	116.777	4860305.09	0.6332	P	0.3
6	☐	250.000	238.131	9716855.89	1.2912	A	0.2
7	☐	500.000	483.297	19413104.83	2.6206	A	0.4
8	☐	1000.000	1012.604	39191652.73	5.4907	A	1.5
9	☐			7593.17	0.0012	P	10.9

$$y = 0.0054 * x + 2.3744E-005$$

$$R = 0.9997$$

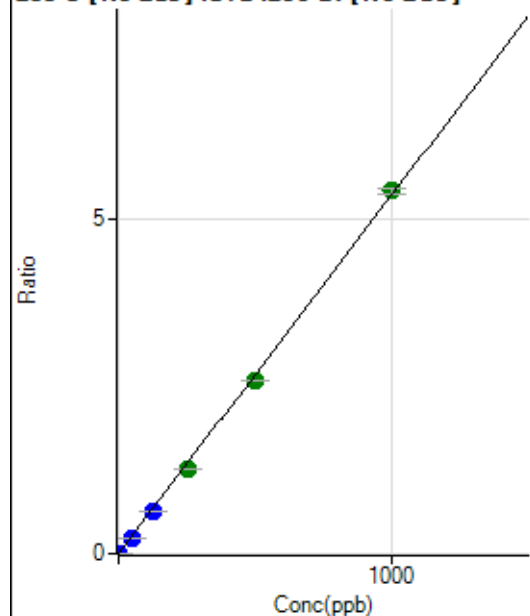
$$DL = 0.001003$$

$$BEC = 0.004379$$

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	116.67	0.0000	P	27.4
2	☐	0.100					
3	☐	1.000	0.763	31553.15	0.0041	P	2.8
4	☐	50.000	44.956	1847823.13	0.2414	P	1.8
5	☐	125.000	117.090	4825595.33	0.6287	P	1.1
6	☐	250.000	237.761	9606951.26	1.2766	A	0.1
7	☐	500.000	484.291	19263187.93	2.6003	A	0.4
8	☐	1000.000	1012.155	38791953.30	5.4346	A	1.5
9	☐			3589.56	0.0006	P	15.7

$$y = 0.0054 * x + 1.5327E-005$$

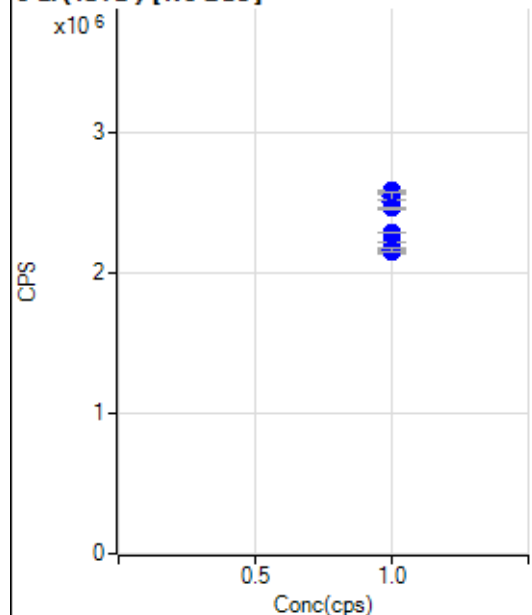
$$R = 0.9997$$

$$DL = 0.002348$$

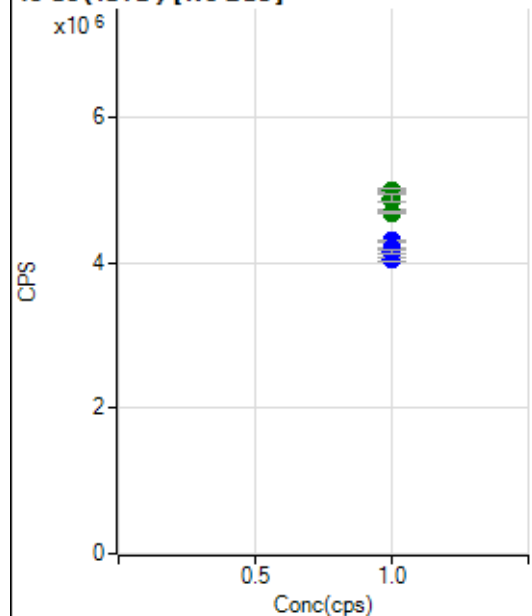
$$BEC = 0.002855$$

Weight: <None>

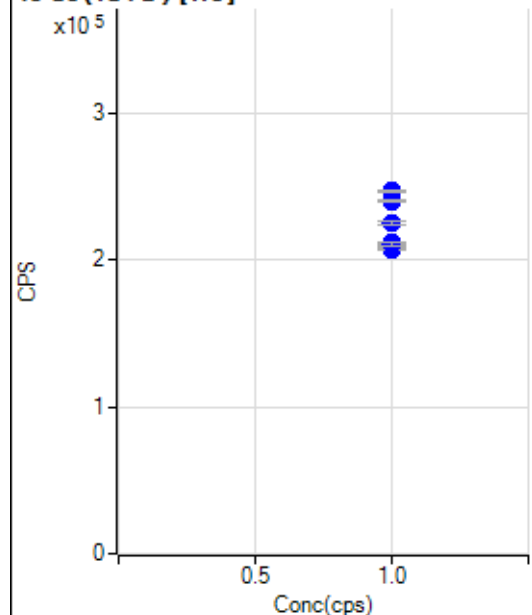
Min Conc: 0

6 Li (ISTD) [No Gas]

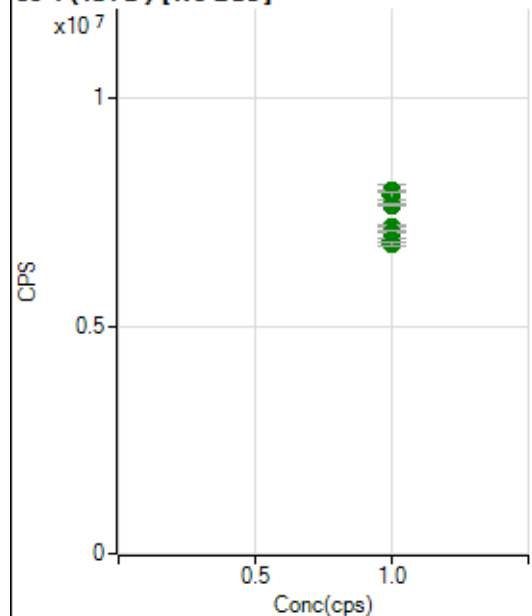
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		2511796.30		P	3.8
2	☐	1.000					
3	☐	1.000		2585144.44		P	0.8
4	☐	1.000		2551752.08		P	1.9
5	☐	1.000		2462269.19		P	0.6
6	☐	1.000		2288247.05		P	0.2
7	☐	1.000		2216338.83		P	0.2
8	☐	1.000		2147322.55		P	1.5
9	☐	1.000		2161382.11		P	1.2

45 Sc (ISTD) [No Gas]

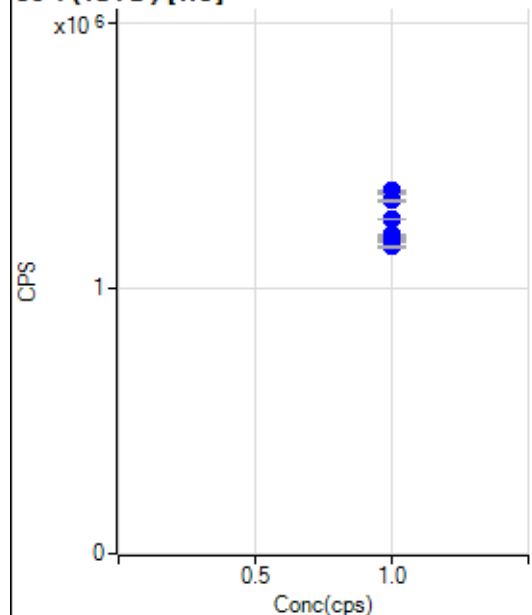
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		4873654.80		A	5.0
2	☐	1.000					
3	☐	1.000		4995652.98		A	1.0
4	☐	1.000		4892985.70		A	2.2
5	☐	1.000		4697117.60		A	1.0
6	☐	1.000		4305822.97		P	0.2
7	☐	1.000		4203534.29		P	0.3
8	☐	1.000		4062239.20		P	1.3
9	☐	1.000		4149607.95		P	1.4

45 Sc (ISTD) [He]

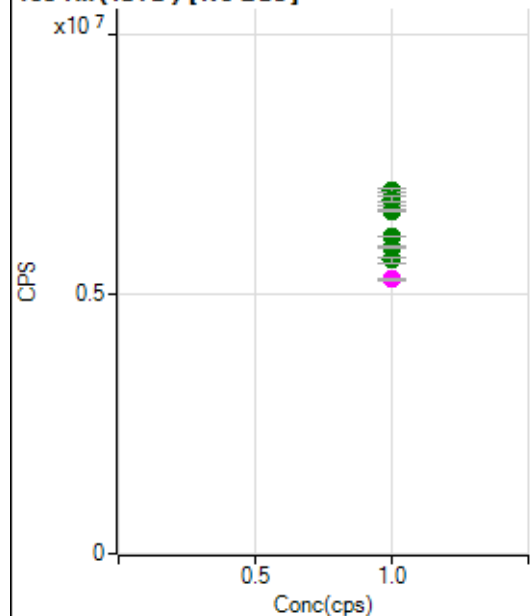
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		246913.24		P	0.3
2	☐	1.000					
3	☐	1.000		246246.77		P	0.5
4	☐	1.000		239667.51		P	0.7
5	☐	1.000		225143.42		P	0.8
6	☐	1.000		211841.45		P	0.7
7	☐	1.000		210647.97		P	0.5
8	☐	1.000		207198.22		P	0.7
9	☐	1.000		210751.99		P	0.8

89 Y (ISTD) [No Gas]

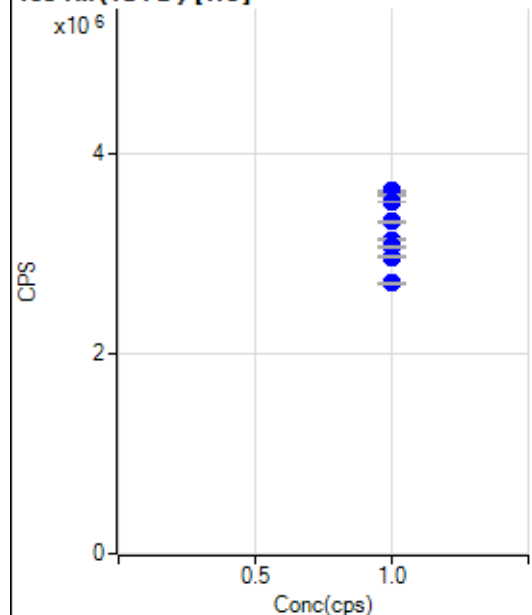
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		7895364.19		A	5.1
2	☐	1.000					
3	☐	1.000		7975242.66		A	0.8
4	☐	1.000		7863429.54		A	2.0
5	☐	1.000		7664351.07		A	0.6
6	☐	1.000		7205389.96		A	0.2
7	☐	1.000		7075923.58		A	0.7
8	☐	1.000		6884067.19		A	1.4
9	☐	1.000		6809590.66		A	0.9

89 Y(ISTD) [He]

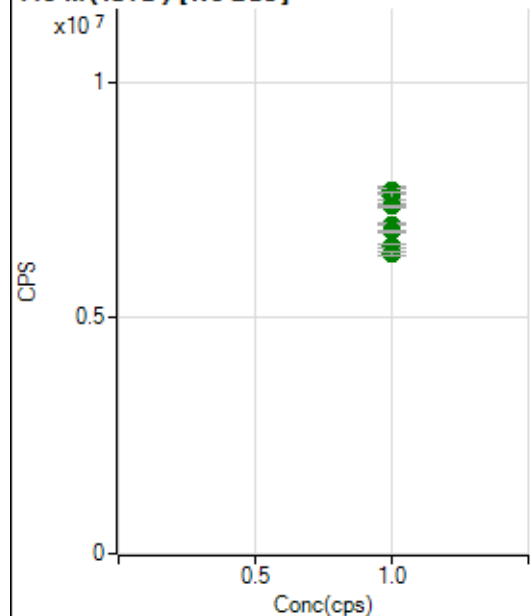
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		1367726.66		P	0.3
2	☐	1.000					
3	☐	1.000		1353654.22		P	0.1
4	☐	1.000		1330721.13		P	0.5
5	☐	1.000		1260514.38		P	0.4
6	☐	1.000		1200722.54		P	0.4
7	☐	1.000		1188129.03		P	0.6
8	☐	1.000		1172874.63		P	0.2
9	☐	1.000		1157349.26		P	0.5

103 Rh(ISTD) [No Gas]

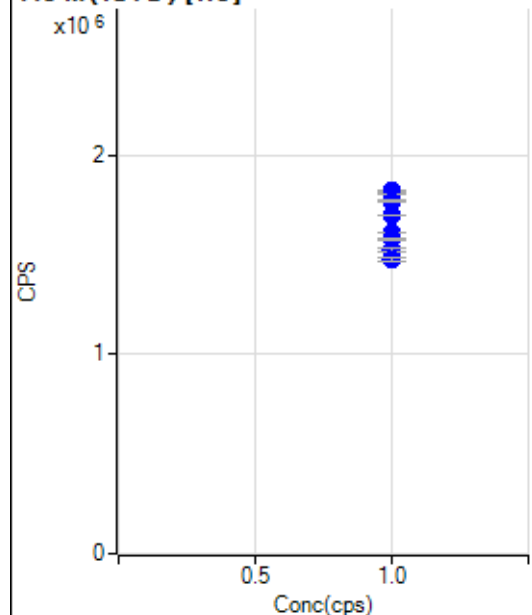
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		6873780.41		A	4.8
2	☐	1.000					
3	☐	1.000		6977743.38		A	1.2
4	☐	1.000		6821580.97		A	2.1
5	☐	1.000		6587690.42		A	0.6
6	☐	1.000		6103854.31		A	0.1
7	☐	1.000		5894443.14		A	0.3
8	☐	1.000		5642752.60		A	1.7
9	☐	1.000		5280289.49		M	1.0

103 Rh (ISTD) [He]

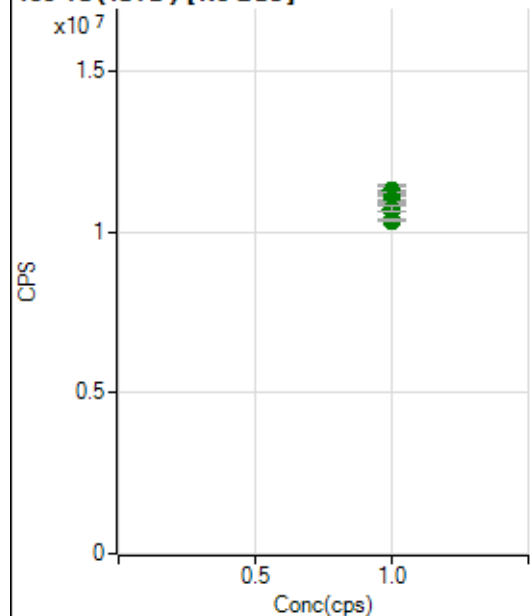
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		3635304.49		P	0.5
2	☐	1.000					
3	☐	1.000		3601032.48		P	0.5
4	☐	1.000		3522663.49		P	0.3
5	☐	1.000		3327123.73		P	0.7
6	☐	1.000		3146812.38		P	0.3
7	☐	1.000		3077307.42		P	0.3
8	☐	1.000		2971011.48		P	0.6
9	☐	1.000		2714615.17		P	0.7

115 In (ISTD) [No Gas]

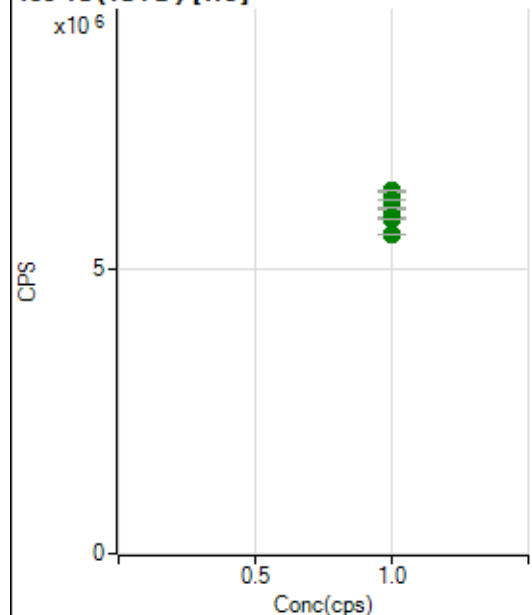
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		7608708.06		A	5.0
2	☐	1.000					
3	☐	1.000		7697814.19		A	1.3
4	☐	1.000		7573990.03		A	2.3
5	☐	1.000		7372922.71		A	0.3
6	☐	1.000		6989112.99		A	0.2
7	☐	1.000		6847646.24		A	0.6
8	☐	1.000		6538452.28		A	1.4
9	☐	1.000		6364217.43		A	1.0

115 In (ISTD) [He]

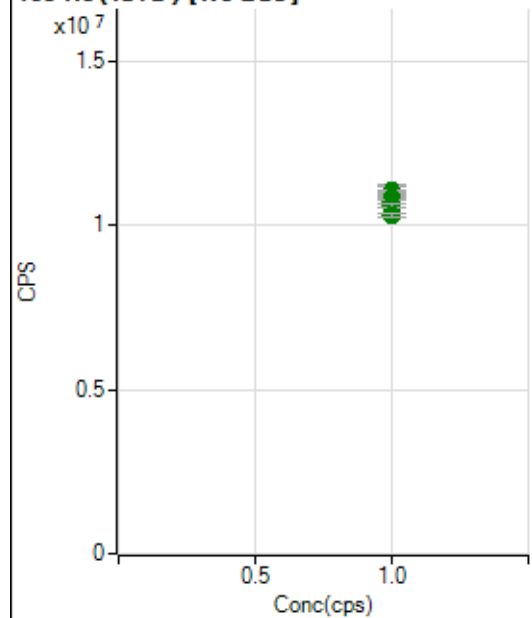
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		1819005.24		P	0.7
2	☐	1.000					
3	☐	1.000		1802868.21		P	0.4
4	☐	1.000		1768108.43		P	0.7
5	☐	1.000		1694951.56		P	0.2
6	☐	1.000		1608731.26		P	0.3
7	☐	1.000		1578074.75		P	0.6
8	☐	1.000		1523443.04		P	0.7
9	☐	1.000		1477565.55		P	1.0

159 Tb (ISTD) [No Gas]

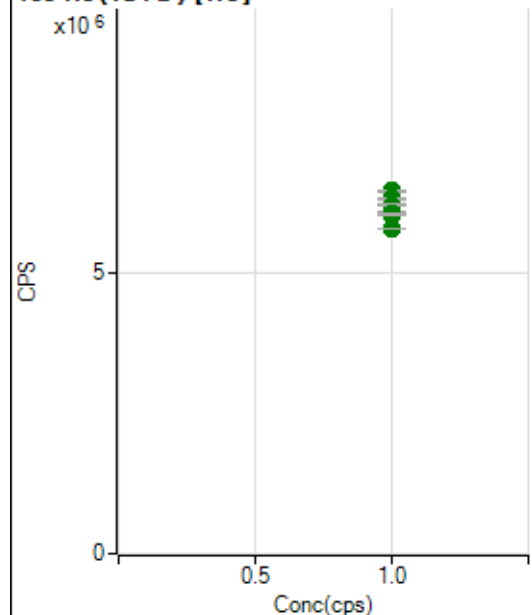
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		11188778.51		A	5.2
2	☐	1.000					
3	☐	1.000		11239620.25		A	1.1
4	☐	1.000		11285304.28		A	2.3
5	☐	1.000		11241290.25		A	0.5
6	☐	1.000		10985411.36		A	0.3
7	☐	1.000		10911423.59		A	0.2
8	☐	1.000		10730616.30		A	1.4
9	☐	1.000		10377582.07		A	0.5

159 Tb (ISTD) [He]

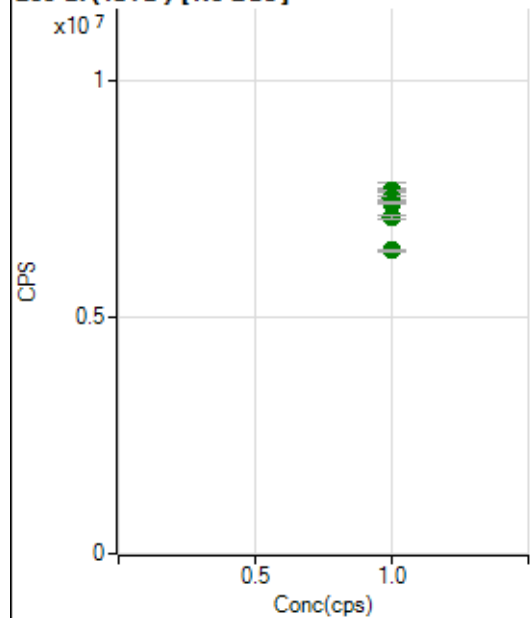
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		6389807.75		A	0.3
2	☐	1.000					
3	☐	1.000		6227792.20		A	0.1
4	☐	1.000		6230517.69		A	0.2
5	☐	1.000		6078085.81		A	0.2
6	☐	1.000		5925277.27		A	0.3
7	☐	1.000		5911468.18		A	0.4
8	☐	1.000		5889431.79		A	0.1
9	☐	1.000		5615099.01		A	0.2

165 Ho (ISTD) [No Gas]

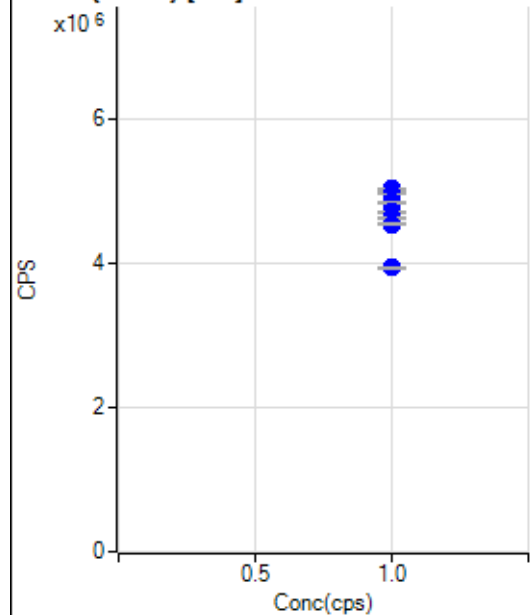
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		10963458.32		A	5.5
2	☐	1.000					
3	☐	1.000		11015600.07		A	0.8
4	☐	1.000		11046126.03		A	2.5
5	☐	1.000		11032445.91		A	0.2
6	☐	1.000		10815694.95		A	0.1
7	☐	1.000		10709028.88		A	0.7
8	☐	1.000		10609778.54		A	1.3
9	☐	1.000		10318619.07		A	0.9

165 Ho (ISTD) [He]

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		6475982.68		A	0.3
2	☐	1.000					
3	☐	1.000		6348274.56		A	0.5
4	☐	1.000		6342965.46		A	0.5
5	☐	1.000		6226236.29		A	0.5
6	☐	1.000		6076120.19		A	0.2
7	☐	1.000		6077928.66		A	0.5
8	☐	1.000		6056579.08		A	0.5
9	☐	1.000		5804541.58		A	0.2

209 Bi (ISTD) [No Gas]

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		7659579.40		A	5.0
2	☐	1.000					
3	☐	1.000		7677322.94		A	0.8
4	☐	1.000		7656611.34		A	2.2
5	☐	1.000		7675563.29		A	0.6
6	☐	1.000		7525229.33		A	0.7
7	☐	1.000		7407981.97		A	0.5
8	☐	1.000		7138714.75		A	1.2
9	☐	1.000		6423073.59		A	0.6

209 Bi (ISTD) [He]

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		5034592.88		P	0.5
2	☐	1.000					
3	☐	1.000		4970751.84		P	0.6
4	☐	1.000		4967289.06		P	0.2
5	☐	1.000		4845203.96		P	0.5
6	☐	1.000		4714105.04		P	0.3
7	☐	1.000		4635918.75		P	0.5
8	☐	1.000		4544058.72		P	0.7
9	☐	1.000		3946507.06		P	0.5