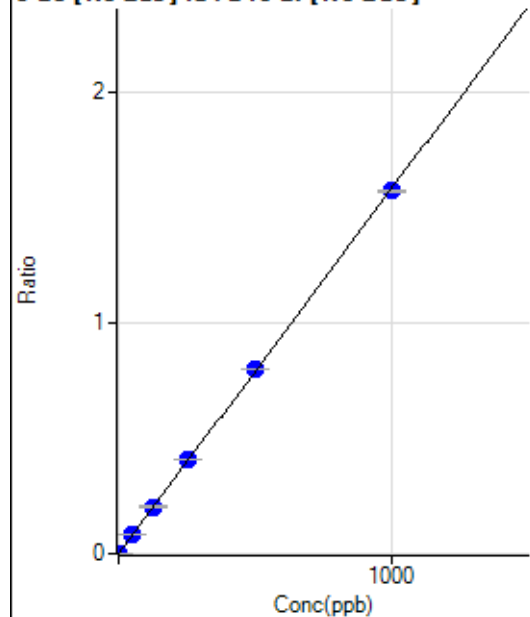


Calibration for 008CALS.d

Batch Folder: D:\Agilent\ICPMH\1\DATA\P7102825-M.b\
 Analysis File: P7102825-M.batch.bin
 DA Date-Time: 2025-10-29 01:10:40
 Calibration Title:
 Calibration Method: External Calibration
 VIS Interpolation Fit:

Level	Standard Data File	Sample Name	Acq. Date-Time
1	004CALB.d	S00	2025-10-28 22:16:37
2	005CALS.d	S02	2025-10-28 22:19:55
3	006CALS.d	S03	2025-10-28 22:23:15
4	007CALS.d	S04	2025-10-28 22:26:28
5	008CALS.d	S05	2025-10-28 22:29:31
6	009CALS.d	S06	2025-10-28 22:32:26
7	010CALS.d	S07	2025-10-28 22:35:16
8	011CALS.d	S08	2025-10-28 22:38:00

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	14.44	0.0000	P	80.3
2	☐	1.000	1.107	978.93	0.0018	P	7.9
3	☐	50.000	51.852	46011.33	0.0822	P	1.1
4	☐	125.000	128.849	115844.91	0.2041	P	0.9
5	☐	250.000	258.118	230274.07	0.4089	P	1.0
6	☐	500.000	506.226	453923.63	0.8019	P	0.8
7	☐	1000.000	994.283	887007.08	1.5751	P	0.4
8	☐			317.79	0.0006	P	16.9

$$y = 0.0016 * x + 2.6252E-005$$

$$R = 0.9999$$

$$DL = 0.03992$$

$$BEC = 0.01657$$

Weight: <None>

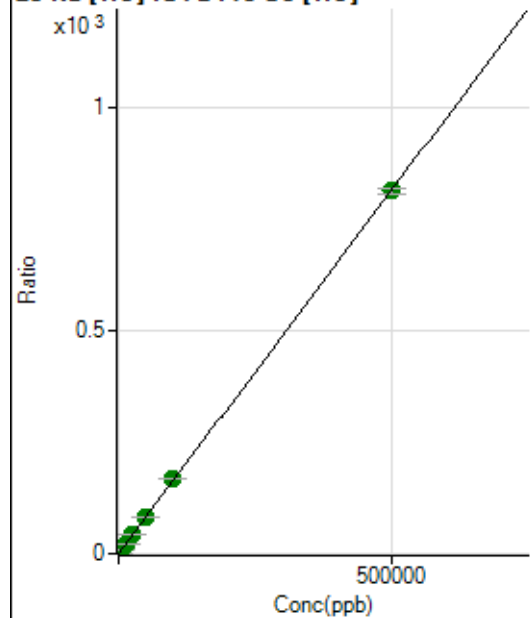
Min Conc: <None>

12 C [No Gas] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐						
2	☐						
3	☐						
4	☐						
5	☐						
6	☐						
7	☐						
8	☐						

12 C [He] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐						
2	☐						
3	☐						
4	☐						
5	☐						
6	☐						
7	☐						
8	☐						

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	21299.36	0.1002	P	1.7
2	☐	500.000	472.827	185297.61	0.8696	P	0.7
3	☐	5000.000	5105.618	1766099.16	8.4081	A	1.4
4	☐	12500.000	12984.511	4432559.59	21.2287	A	1.3
5	☐	25000.000	25775.027	8827695.57	42.0416	A	0.6
6	☐	50000.000	50983.446	17338952.66	83.0611	A	1.7
7	☐	100000.00	103527.54	34730070.87	168.5615	A	0.1
8	☐	500000.00	499144.25	169993864.1	812.3143	A	1.6

$$y = 0.0016 * x + 0.1002$$

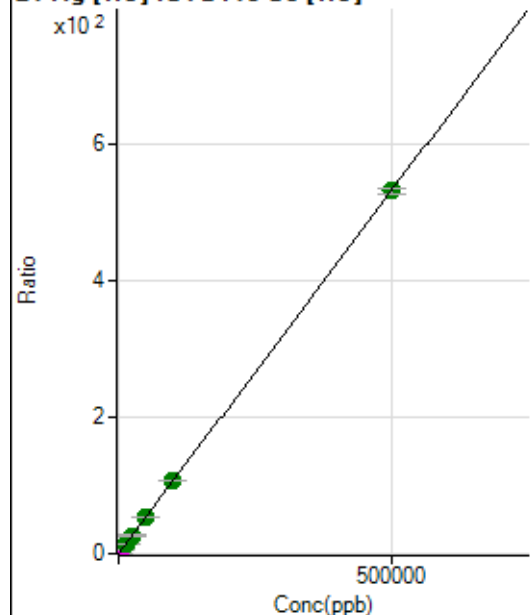
$$R = 1.0000$$

$$DL = 3.174$$

$$BEC = 61.56$$

Weight: <None>

Min Conc: <None>

24 Mg [He] ISTD:45 Sc [He]

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	206.67	0.0010	P	5.6
2	☐	500.000	470.808	106781.06	0.5011	P	1.3
3	☐	5000.000	4949.842	1104636.43	5.2591	M	1.9
4	☐	12500.000	12558.652	2785744.93	13.3417	A	0.6
5	☐	25000.000	25145.756	5608637.69	26.7126	A	1.4
6	☐	50000.000	49985.374	11083753.03	53.0991	A	1.5
7	☐	100000.00	100906.99	22087635.51	107.1918	A	1.0
8	☐	500000.00	499811.84	111106061.6	530.9380	A	1.3

$$y = 0.0011 * x + 9.7195E-004$$

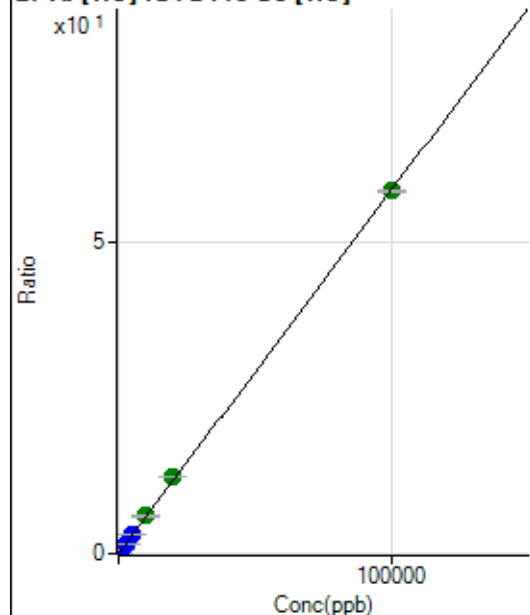
$$R = 1.0000$$

$$DL = 0.1524$$

$$BEC = 0.915$$

Weight: <None>

Min Conc: <None>

27 Al [He] ISTD:45 Sc [He]

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	448.90	0.0021	P	12.8
2	☐	20.000	21.651	3143.79	0.0148	P	8.4
3	☐	1000.000	1027.505	126466.27	0.6020	P	0.4
4	☐	2500.000	2555.232	311949.90	1.4940	P	1.1
5	☐	5000.000	5112.389	627192.74	2.9871	P	0.7
6	☐	10000.000	10363.588	1263605.54	6.0531	A	1.3
7	☐	20000.000	20902.557	2515003.97	12.2066	A	0.1
8	☐	100000.00	99775.854	12191768.57	58.2587	A	0.3

$$y = 5.8387E-004 * x + 0.0021$$

$$R = 1.0000$$

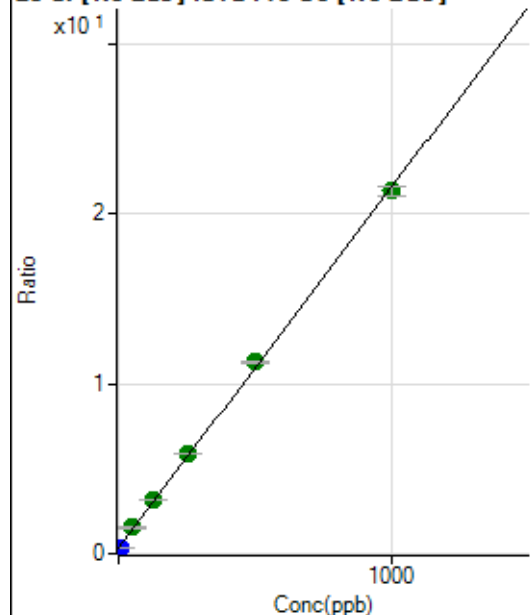
$$DL = 1.388$$

$$BEC = 3.616$$

Weight: <None>

Min Conc: <None>

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	827835.28	0.3505	P	3.0
2	☐	10.000	0.065	837166.08	0.3518	P	2.2
3	☐	50.000	55.916	3607905.78	1.5365	A	1.7
4	☐	125.000	131.782	7464133.43	3.1458	A	1.7
5	☐	250.000	260.300	13966896.18	5.8718	A	0.7
6	☐	500.000	514.213	26287382.94	11.2578	A	1.0
7	☐	1000.000	989.275	49835009.82	21.3346	A	2.6
8	☐			865877.06	0.3774	P	0.7

$$y = 0.0212 * x + 0.3505$$

$$R = 0.9997$$

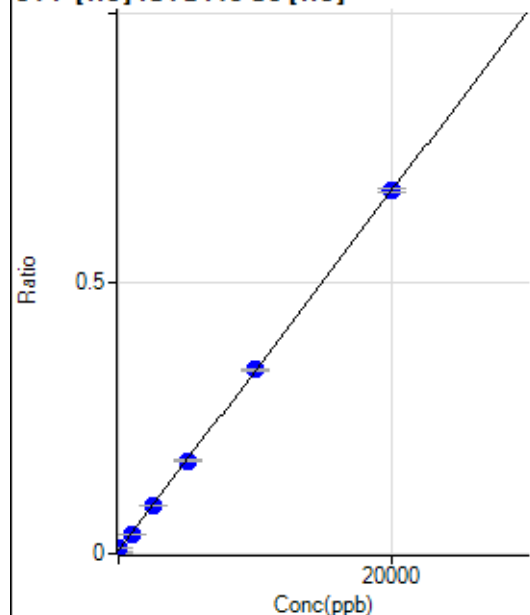
$$DL = 1.465$$

$$BEC = 16.52$$

Weight: <None>

Min Conc: <None>

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	-126.033	380.01	0.0018	P	18.5
2	☐	0.000	126.033	2165.73	0.0102	P	1.8
3	☐	1000.000	894.020	7497.46	0.0357	P	3.1
4	☐	2500.000	2457.724	18301.07	0.0876	P	1.2
5	☐	5000.000	5004.533	36172.86	0.1723	P	1.1
6	☐	10000.000	10032.333	70837.66	0.3394	P	1.2
7	☐	20000.000	19993.284	138106.84	0.6704	P	1.2
8	☐			382.23	0.0018	P	3.5

$$y = 3.3231E-005 * x + 0.0060$$

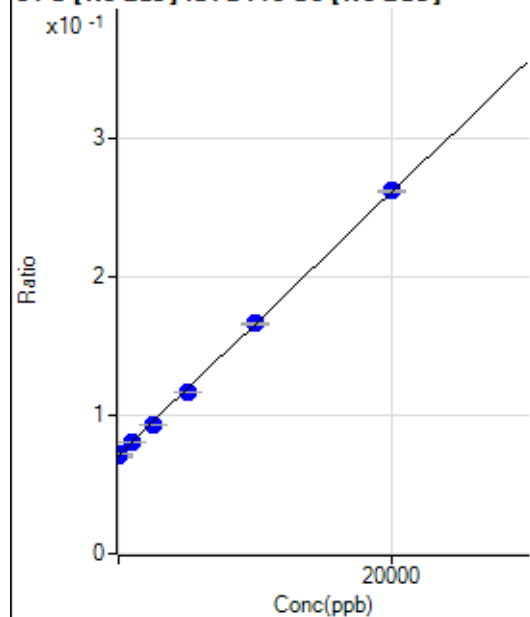
$$R = 0.9999$$

$$DL = 23.19$$

$$BEC = 179.8$$

Weight: <None>

Min Conc: <None>

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	-115.199	166028.43	0.0703	P	1.7
2	☐	0.000	115.199	172443.85	0.0725	P	1.1
3	☐	1000.000	958.826	189000.91	0.0805	P	0.4
4	☐	2500.000	2245.723	220018.73	0.0927	P	0.3
5	☐	5000.000	4770.735	277650.17	0.1167	P	0.8
6	☐	10000.000	9998.305	388593.85	0.1664	P	0.8
7	☐	20000.000	20092.007	612974.04	0.2624	P	0.8
8	☐			176534.83	0.0769	P	1.5

$$y = 9.5071\text{E-}006 * x + 0.0714$$

R = 0.9998

DL = 313.6

BEC = 7507

Weight: <None>

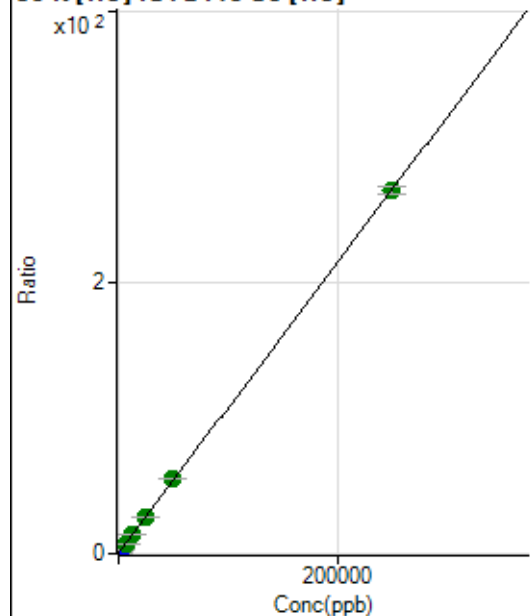
Min Conc: <None>

35 Cl [No Gas] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐						
2	☐						
3	☐						
4	☐						
5	☐						
6	☐						
7	☐						
8	☐						

35 Cl [He] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐						
2	☐						
3	☐						
4	☐						
5	☐						
6	☐						
7	☐						
8	☐						

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	50307.23	0.2366	P	0.3
2	☐	500.000	502.733	165081.17	0.7747	P	0.8
3	☐	2500.000	2646.047	644603.84	3.0687	P	0.8
4	☐	6250.000	6370.532	1473134.66	7.0552	A	1.6
5	☐	12500.000	12828.238	2932628.12	13.9671	A	0.6
6	☐	25000.000	25121.565	5661770.96	27.1250	A	2.3
7	☐	50000.000	51288.879	11360240.25	55.1328	A	0.9
8	☐	250000.00	249709.17	55984601.39	267.5087	A	2.1

$$y = 0.0011 * x + 0.2366$$

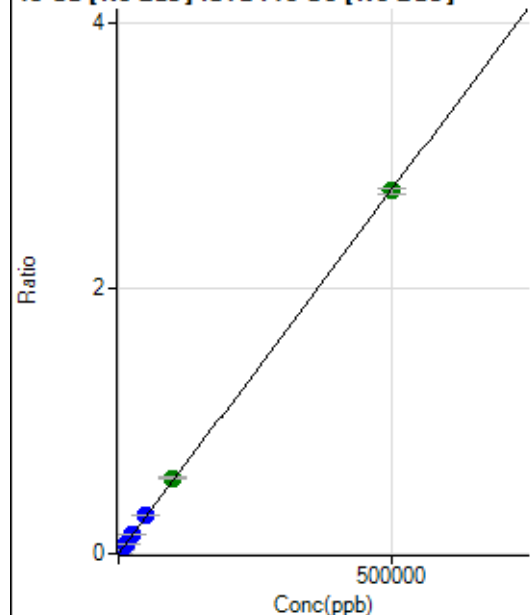
$$R = 1.0000$$

$$DL = 1.888$$

$$BEC = 221$$

Weight: <None>

Min Conc: <None>

43 Ca [No Gas] ISTD:45 Sc [No Gas]

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	310.01	0.0001	P	6.3
2	☐	500.000	505.843	6902.76	0.0029	P	1.7
3	☐	5000.000	5292.617	68351.06	0.0291	P	2.2
4	☐	12500.000	13153.075	171184.20	0.0721	P	1.9
5	☐	25000.000	26424.087	344428.78	0.1448	P	1.0
6	☐	50000.000	53217.897	680657.01	0.2915	P	0.6
7	☐	100000.00	104315.19	1334383.95	0.5713	A	3.1
8	☐	500000.00	498724.70	6265248.93	2.7307	A	1.6

$$y = 5.4750\text{E-}006 * x + 1.3117\text{E-}004$$

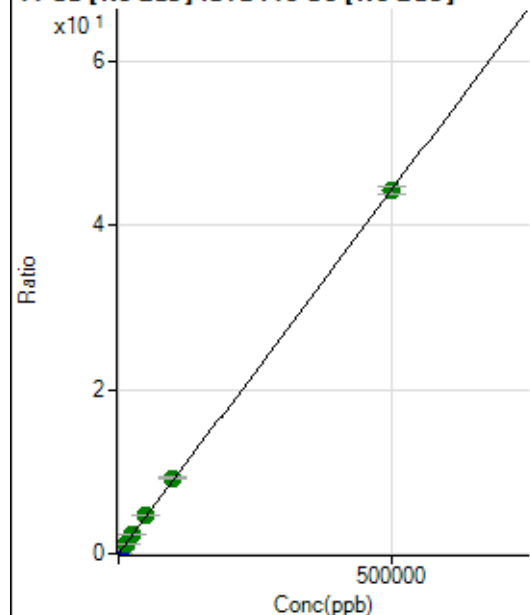
$$R = 0.9999$$

$$DL = 4.538$$

$$BEC = 23.96$$

Weight: <None>

Min Conc: <None>

44 Ca [No Gas] ISTD:45 Sc [No Gas]

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	52711.63	0.0223	P	1.0
2	☐	500.000	510.855	160784.44	0.0676	P	1.1
3	☐	5000.000	5298.063	1154516.17	0.4917	P	0.9
4	☐	12500.000	12830.502	2749976.63	1.1590	A	1.4
5	☐	25000.000	25598.781	5447006.38	2.2901	A	1.9
6	☐	50000.000	51494.589	10703964.01	4.5843	A	0.2
7	☐	100000.00	103684.05	21512183.01	9.2078	A	1.2
8	☐	500000.00	499072.53	101495912.9	44.2355	A	2.0

$$y = 8.8591\text{E-}005 * x + 0.0223$$

$$R = 1.0000$$

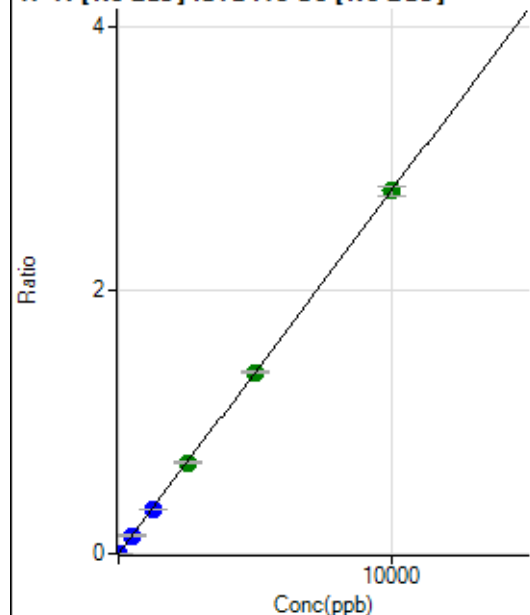
$$DL = 7.694$$

$$BEC = 251.8$$

Weight: <None>

Min Conc: <None>

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	82.22	0.0000	P	10.7
2	☐	5.000	4.952	3325.95	0.0014	P	1.1
3	☐	500.000	501.910	324399.01	0.1382	P	1.5
4	☐	1250.000	1228.381	802179.04	0.3381	P	1.0
5	☐	2500.000	2515.993	1646936.07	0.6924	A	1.8
6	☐	5000.000	5002.510	3214676.62	1.3767	A	1.4
7	☐	10000.000	9997.354	6426812.54	2.7512	A	2.5
8	☐			1264.51	0.0006	P	7.4

$$y = 2.7519E-004 * x + 3.4835E-005$$

$$R = 1.0000$$

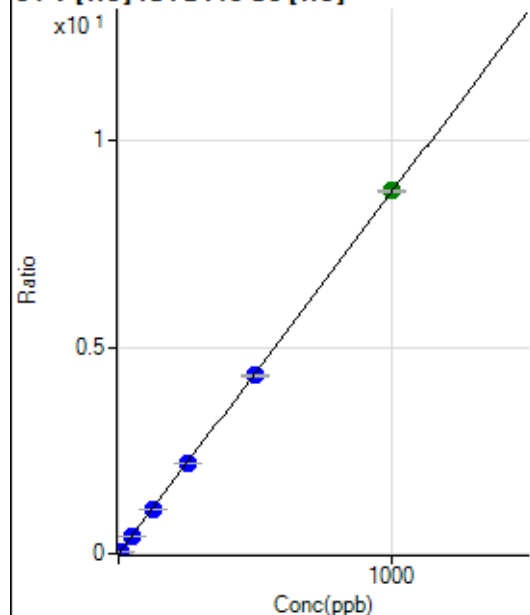
$$DL = 0.0408$$

$$BEC = 0.1266$$

Weight: <None>

Min Conc: <None>

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	8.89	0.0000	P	21.9
2	☐	5.000	4.852	9059.45	0.0425	P	2.3
3	☐	50.000	49.461	90955.56	0.4330	P	0.7
4	☐	125.000	124.202	227022.34	1.0872	P	0.3
5	☐	250.000	248.973	457609.51	2.1794	P	0.7
6	☐	500.000	492.944	900727.57	4.3150	P	1.1
7	☐	1000.000	1003.912	1810511.52	8.7878	A	0.8
8	☐			3234.82	0.0155	P	5.4

$$y = 0.0088 * x + 4.1830E-005$$

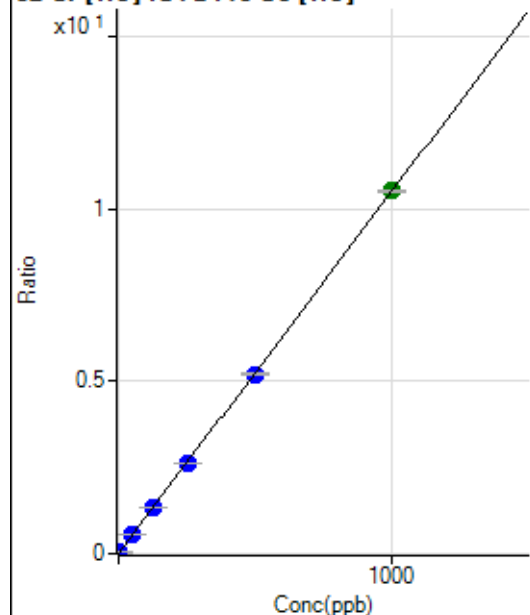
$$R = 1.0000$$

$$DL = 0.003141$$

$$BEC = 0.004779$$

Weight: <None>

Min Conc: <None>

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	1662.33	0.0078	P	3.1
2	☐	2.000	1.991	6114.62	0.0287	P	0.3
3	☐	50.000	49.941	111656.74	0.5315	P	0.5
4	☐	125.000	125.325	276058.29	1.3221	P	0.7
5	☐	250.000	250.320	552817.19	2.6329	P	0.9
6	☐	500.000	494.465	1084043.30	5.1932	P	1.0
7	☐	1000.000	1002.650	2168126.01	10.5225	A	0.9
8	☐			38396.61	0.1835	P	0.9

$$y = 0.0105 * x + 0.0078$$

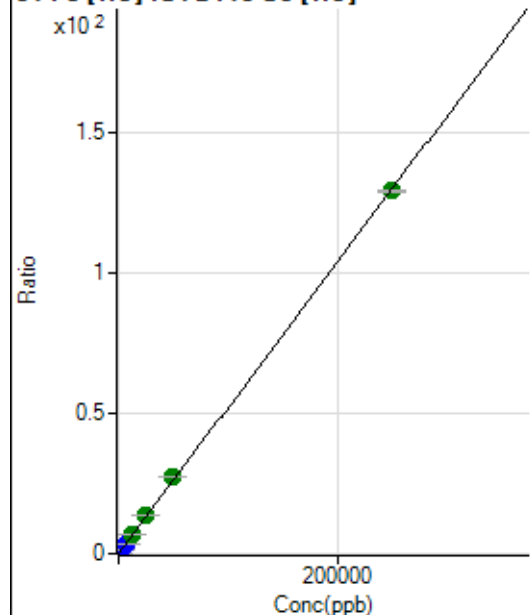
$$R = 1.0000$$

$$DL = 0.0685$$

$$BEC = 0.7455$$

Weight: <None>

Min Conc: <None>

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	1825.68	0.0086	P	5.1
2	☐	50.000	55.070	7908.79	0.0371	P	1.9
3	☐	2500.000	2772.644	303507.74	1.4449	P	0.7
4	☐	6250.000	6963.474	754996.33	3.6158	P	0.3
5	☐	12500.000	13523.431	1472735.46	7.0140	A	0.9
6	☐	25000.000	26612.282	2879460.86	13.7943	A	0.9
7	☐	50000.000	53118.972	5670604.98	27.5254	A	1.3
8	☐	250000.00	249143.24	27009915.71	129.0702	A	0.5

$$y = 5.1802E-004 * x + 0.0086$$

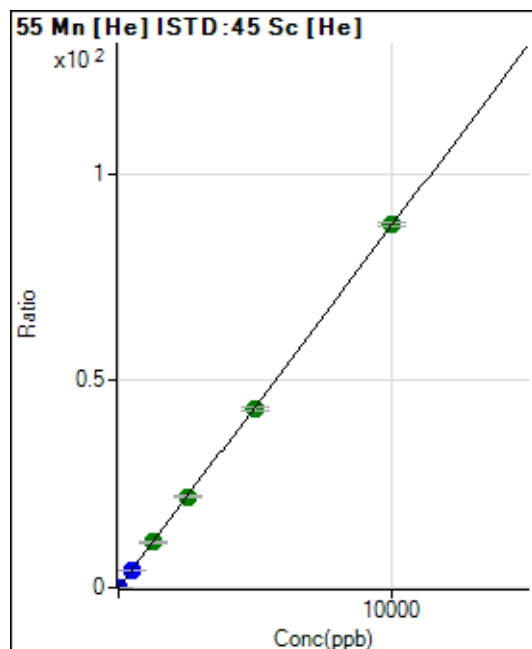
$$R = 0.9999$$

$$DL = 2.55$$

$$BEC = 16.57$$

Weight: <None>

Min Conc: <None>



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	2083.50	0.0098	P	4.1
2	☐	1.000	1.024	3993.90	0.0187	P	5.9
3	☐	500.000	500.865	920929.75	4.3841	P	0.5
4	☐	1250.000	1255.029	2290822.97	10.9707	A	1.6
5	☐	2500.000	2521.367	4625755.35	22.0303	A	0.3
6	☐	5000.000	4933.334	8995650.14	43.0954	A	1.5
7	☐	10000.000	10027.319	18047053.62	87.5841	A	1.0
8	☐			16558.13	0.0791	P	2.2

$$y = 0.0087 * x + 0.0098$$

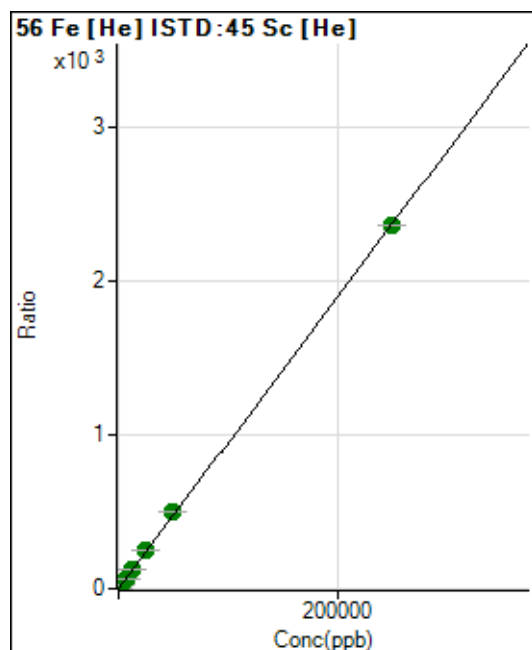
$$R = 1.0000$$

$$DL = 0.1393$$

$$BEC = 1.122$$

Weight: <None>

Min Conc: <None>



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	18004.22	0.0847	P	1.2
2	☐	50.000	52.719	124205.94	0.5829	P	0.9
3	☐	2500.000	2653.856	5286074.47	25.1640	A	1.6
4	☐	6250.000	6675.761	13191431.19	63.1715	A	1.0
5	☐	12500.000	13248.214	26306259.05	125.2822	A	0.6
6	☐	25000.000	26186.819	51676103.67	247.5538	A	0.7
7	☐	50000.000	52415.941	102075045.1	495.4227	A	0.6
8	☐	250000.00	249348.53	493134321.5	2,356.463	A	0.1

$$y = 0.0095 * x + 0.0847$$

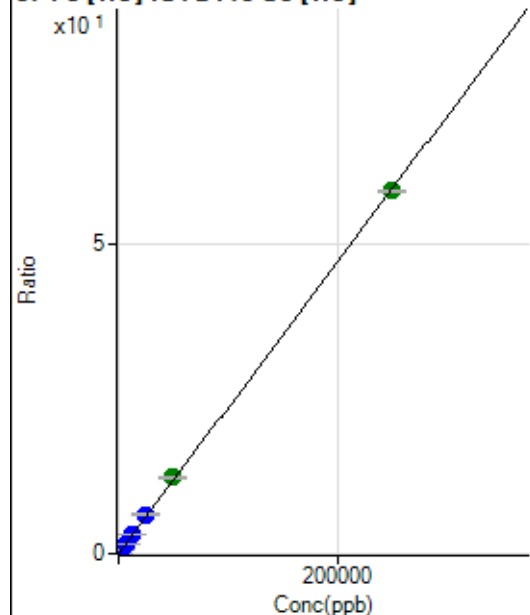
$$R = 0.9999$$

$$DL = 0.3271$$

$$BEC = 8.96$$

Weight: <None>

Min Conc: <None>

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	1064.49	0.0050	P	3.2
2	☐	50.000	57.092	3927.22	0.0184	P	2.5
3	☐	2500.000	2757.249	137222.29	0.6533	P	1.2
4	☐	6250.000	6889.649	339268.80	1.6249	P	0.8
5	☐	12500.000	13667.102	675754.53	3.2184	P	0.4
6	☐	25000.000	26957.109	1324040.34	6.3430	P	1.2
7	☐	50000.000	52566.869	2547713.40	12.3643	A	1.9
8	☐	250000.00	249213.99	12263054.54	58.5990	A	0.6

$$y = 2.3512\text{E-}004 * x + 0.0050$$

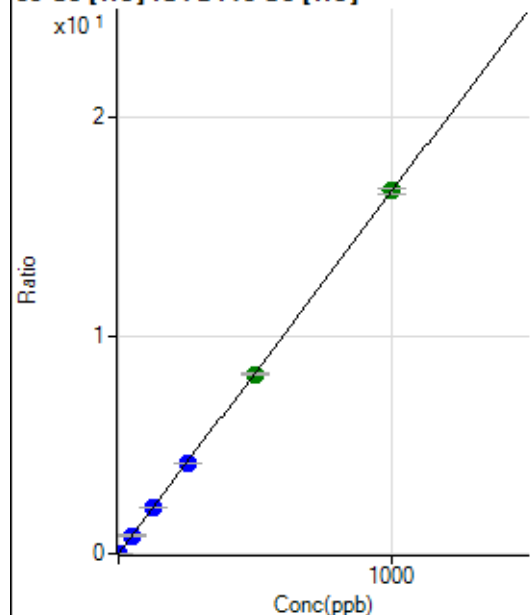
$$R = 0.9999$$

$$DL = 2.051$$

$$BEC = 21.29$$

Weight: <None>

Min Conc: <None>

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	125.56	0.0006	P	2.7
2	☐	1.000	1.064	3896.09	0.0183	P	2.2
3	☐	50.000	50.403	176093.88	0.8383	P	1.2
4	☐	125.000	126.050	437576.73	2.0957	P	0.8
5	☐	250.000	250.797	875378.14	4.1691	P	0.8
6	☐	500.000	495.661	1719825.69	8.2391	A	1.2
7	☐	1000.000	1001.819	3430434.18	16.6521	A	1.7
8	☐			11344.37	0.0542	P	1.8

$$y = 0.0166 * x + 5.9046\text{E-}004$$

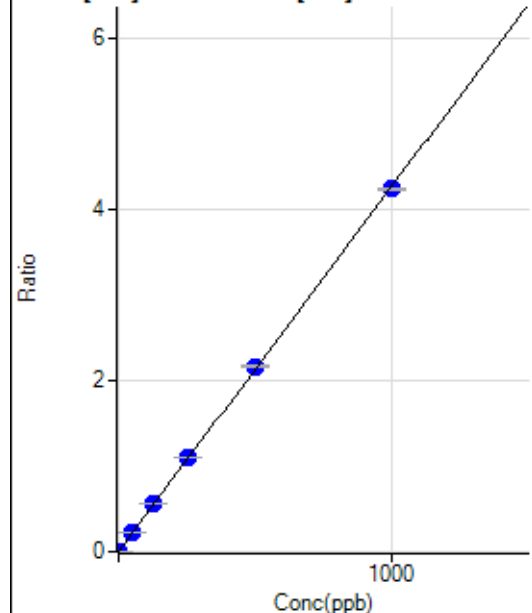
$$R = 1.0000$$

$$DL = 0.002901$$

$$BEC = 0.03552$$

Weight: <None>

Min Conc: <None>

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	501.13	0.0024	P	17.9
2	☐	1.000	1.037	1444.53	0.0068	P	1.0
3	☐	50.000	51.562	46714.81	0.2224	P	0.6
4	☐	125.000	129.721	116065.09	0.5559	P	1.5
5	☐	250.000	257.165	230908.62	1.0997	P	0.3
6	☐	500.000	506.564	451717.55	2.1640	P	0.9
7	☐	1000.000	994.258	874584.29	4.2450	P	0.7
8	☐			12674.33	0.0606	P	2.9

$$y = 0.0043 * x + 0.0024$$

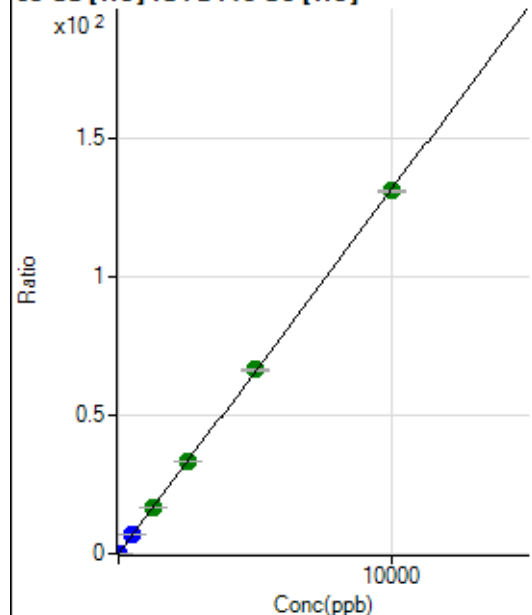
$$R = 0.9999$$

$$DL = 0.2961$$

$$BEC = 0.5521$$

Weight: <None>

Min Conc: <None>

63 Cu [He] ISTD:45 Sc [He]

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	861.15	0.0041	P	6.0
2	☐	2.000	1.882	6127.97	0.0288	P	1.4
3	☐	500.000	505.109	1393598.07	6.6345	P	0.9
4	☐	1250.000	1286.326	3526553.63	16.8894	A	0.4
5	☐	2500.000	2547.181	7021308.58	33.4404	A	1.0
6	☐	5000.000	5043.231	13819711.74	66.2056	A	1.8
7	☐	10000.000	9961.793	26941516.82	130.7705	A	0.8
8	☐			8886.05	0.0425	P	1.9

$$y = 0.0131 * x + 0.0041$$

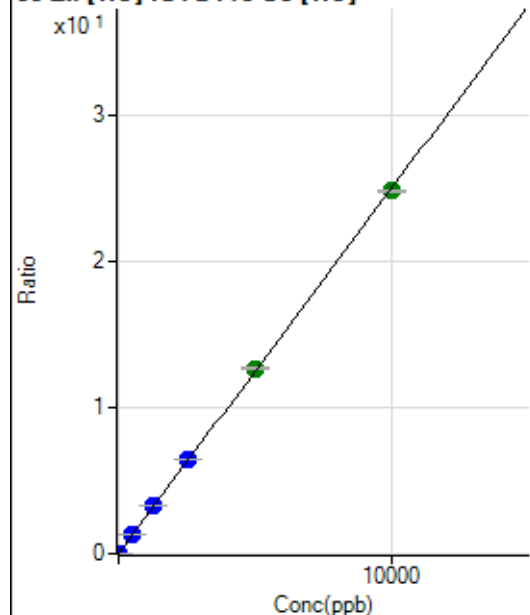
$$R = 1.0000$$

$$DL = 0.05571$$

$$BEC = 0.3086$$

Weight: <None>

Min Conc: <None>

66 Zn [He] ISTD:45 Sc [He]

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	1572.33	0.0074	P	2.2
2	☐	5.000	5.128	4305.11	0.0202	P	2.2
3	☐	500.000	522.835	275879.39	1.3134	P	1.2
4	☐	1250.000	1312.144	685909.60	3.2850	P	0.9
5	☐	2500.000	2576.922	1353132.36	6.4444	P	0.7
6	☐	5000.000	5077.676	2649066.16	12.6911	A	1.7
7	☐	10000.000	9933.022	5113407.18	24.8194	A	0.7
8	☐			8450.24	0.0404	P	2.4

$$y = 0.0025 * x + 0.0074$$

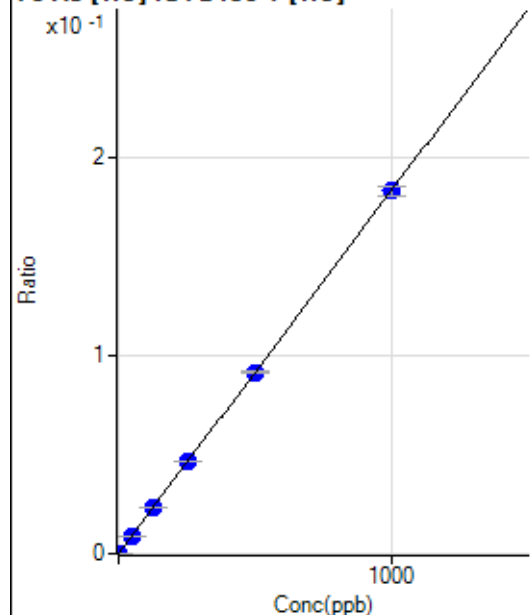
$$R = 0.9999$$

$$DL = 0.1996$$

$$BEC = 2.96$$

Weight: <None>

Min Conc: <None>

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	21.66	0.0000	P	19.6
2	☐	1.000	1.156	402.50	0.0002	P	8.1
3	☐	50.000	49.469	16248.10	0.0091	P	1.6
4	☐	125.000	126.798	41522.54	0.0232	P	0.3
5	☐	250.000	253.958	82901.59	0.0465	P	0.4
6	☐	500.000	499.588	162349.71	0.0915	P	1.7
7	☐	1000.000	999.018	319778.84	0.1829	P	2.5
8	☐			562.94	0.0003	P	5.1

$$y = 1.8309E-004 * x + 1.2031E-005$$

$$R = 1.0000$$

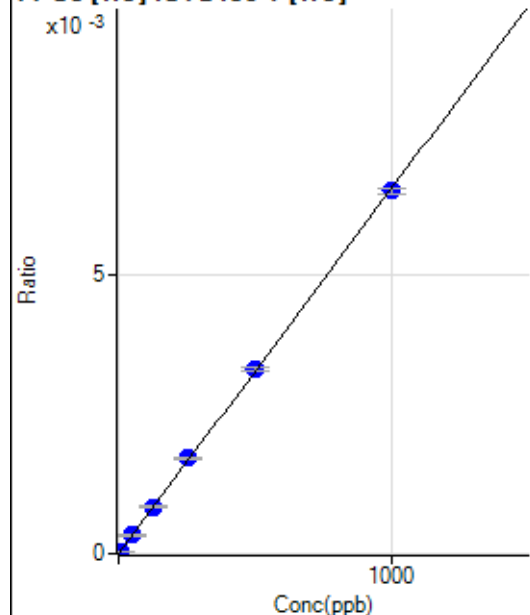
$$DL = 0.03873$$

$$BEC = 0.06571$$

Weight: <None>

Min Conc: <None>

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	☐	5.000	5.012	58.89	0.0000	P	43.8
3	☐	50.000	50.511	592.24	0.0003	P	5.7
4	☐	125.000	127.721	1494.54	0.0008	P	6.1
5	☐	250.000	261.350	3049.23	0.0017	P	2.8
6	☐	500.000	506.288	5881.22	0.0033	P	1.9
7	☐	1000.000	993.653	11372.21	0.0065	P	1.8
8	☐			21.11	0.0000	P	80.0

$$y = 6.5456\text{E-}006 * x + 0.0000\text{E+}000$$

$$R = 0.9999$$

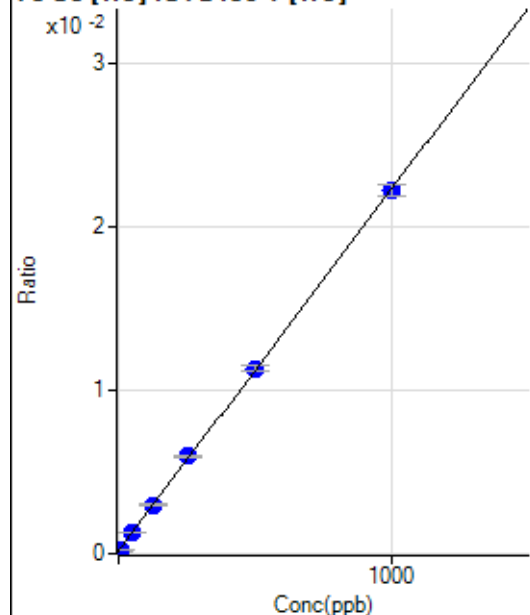
$$DL = 0$$

$$BEC = 0$$

Weight: <None>

Min Conc: <None>

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	314.45	0.0002	P	7.1
2	☐	5.000	4.252	483.35	0.0003	P	7.2
3	☐	50.000	50.820	2324.65	0.0013	P	2.1
4	☐	125.000	126.493	5308.79	0.0030	P	2.4
5	☐	250.000	260.713	10580.55	0.0059	P	1.9
6	☐	500.000	504.610	20097.11	0.0113	P	2.5
7	☐	1000.000	994.793	38740.66	0.0222	P	3.3
8	☐			333.34	0.0002	P	17.1

$$y = 2.2098\text{E-}005 * x + 1.7439\text{E-}004$$

$$R = 0.9999$$

$$DL = 1.684$$

$$BEC = 7.892$$

Weight: <None>

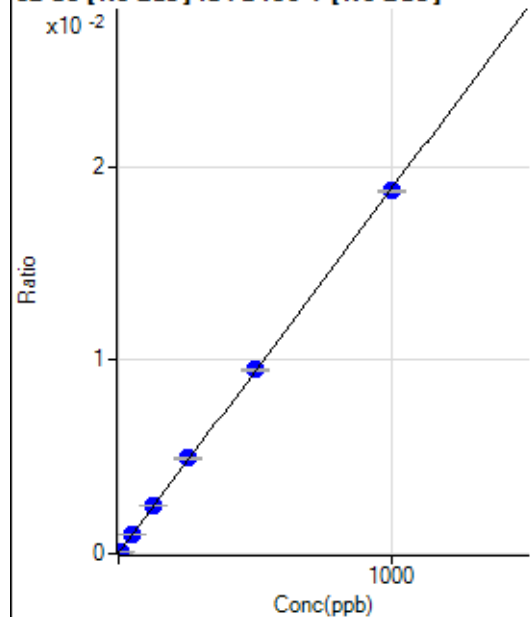
Min Conc: <None>

81 Br [No Gas] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			8439.16		P	3.7
2	☐			8579.23		P	2.2
3	☐			8458.07		P	0.6
4	☐			8340.21		P	0.9
5	☐			8443.61		P	3.5
6	☐			8307.97		P	2.9
7	☐			8267.95		P	3.0
8	☐			8475.85		P	5.8

81 Br [He] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			133.33		P	9.0
2	☐			97.78		P	9.8
3	☐			80.00		P	16.7
4	☐			104.44		P	12.1
5	☐			124.44		P	19.0
6	☐			93.34		P	48.0
7	☐			102.22		P	15.4
8	☐			196.67		P	11.9

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	139.98	0.0000	P	29.2
2	☐	5.000	4.760	731.54	0.0001	P	4.3
3	☐	50.000	52.034	6516.65	0.0010	P	2.7
4	☐	125.000	130.958	16426.12	0.0025	P	3.6
5	☐	250.000	261.471	32156.46	0.0049	P	1.4
6	☐	500.000	503.586	62790.39	0.0095	P	0.7
7	☐	1000.000	994.494	122572.28	0.0188	P	0.6
8	☐			256.32	0.0000	P	8.4

$$y = 1.8840E-005 * x + 2.1325E-005$$

$$R = 0.9999$$

$$DL = 0.9902$$

$$BEC = 1.132$$

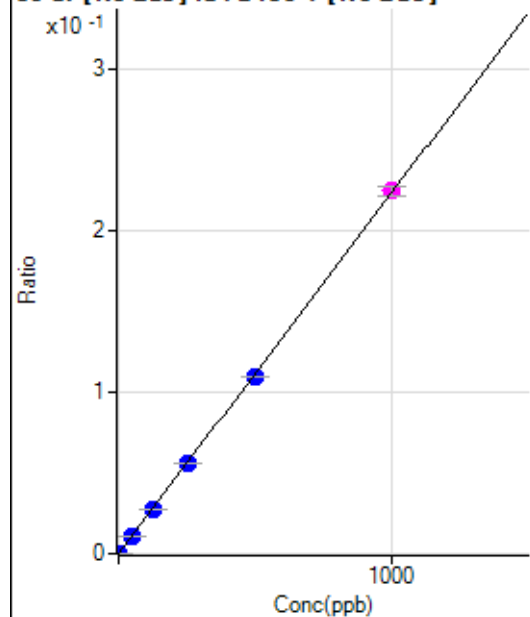
Weight: <None>

Min Conc: <None>

83 Kr [No Gas] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐			388.90		P	10.9
2	☐			395.56		P	8.8
3	☐			400.01		P	10.6
4	☐			376.68		P	8.1
5	☐			361.12		P	8.1
6	☐			421.12		P	9.8
7	☐			405.56		P	4.8
8	☐			407.79		P	5.3

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	678.91	0.0001	P	5.0
2	☐	1.000	0.924	2042.39	0.0003	P	7.9
3	☐	50.000	49.717	72935.27	0.0112	P	1.8
4	☐	125.000	122.284	181007.17	0.0274	P	3.1
5	☐	250.000	250.441	364307.71	0.0561	P	1.4
6	☐	500.000	489.684	723029.44	0.1095	P	0.2
7	☐	1000.000	1005.401	1468362.11	0.2247	M	2.8
8	☐			18858.90	0.0030	P	1.6

$$y = 2.2340\text{E-}004 * x + 1.0361\text{E-}004$$

$$R = 0.9999$$

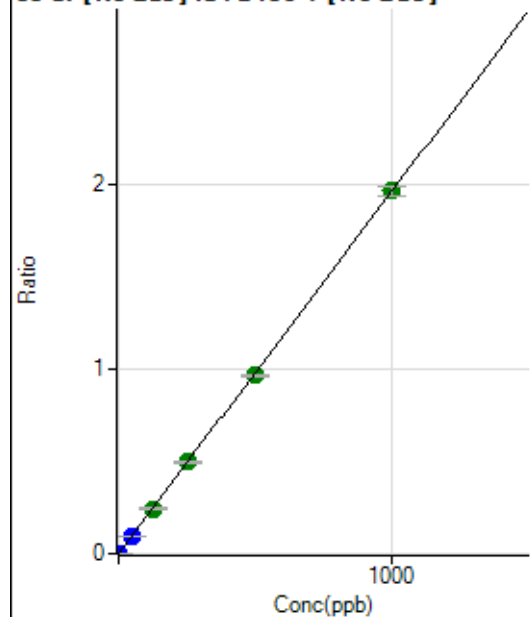
$$DL = 0.07021$$

$$BEC = 0.4638$$

Weight: <None>

Min Conc: <None>

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	205.56	0.0000	P	10.7
2	☐	1.000	0.938	12340.85	0.0019	P	2.7
3	☐	50.000	49.123	628114.93	0.0965	P	1.5
4	☐	125.000	124.387	1613384.42	0.2444	A	1.9
5	☐	250.000	253.270	3234108.11	0.4976	A	1.4
6	☐	500.000	493.060	6397123.73	0.9687	A	1.4
7	☐	1000.000	1002.773	12873587.86	1.9701	A	2.7
8	☐			159664.71	0.0253	P	1.0

$$y = 0.0020 * x + 3.1348\text{E-}005$$

$$R = 1.0000$$

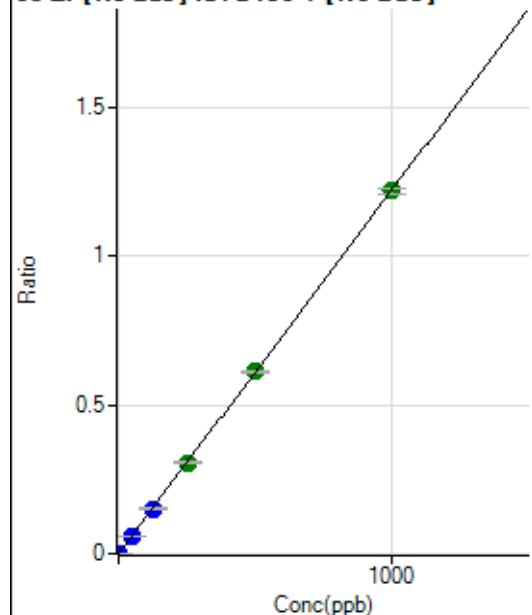
$$DL = 0.005118$$

$$BEC = 0.01596$$

Weight: <None>

Min Conc: <None>

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	384.46	0.0001	P	6.8
2	☐	1.000	1.009	8493.66	0.0013	P	4.8
3	☐	50.000	49.543	393408.83	0.0605	P	1.8
4	☐	125.000	122.847	989178.90	0.1499	P	2.6
5	☐	250.000	250.752	1987609.80	0.3058	A	1.9
6	☐	500.000	501.621	4039065.46	0.6117	A	0.6
7	☐	1000.000	999.293	7962408.98	1.2186	A	1.9
8	☐			7487.53	0.0012	P	2.7

$$y = 0.0012 * x + 5.8645E-005$$

$$R = 1.0000$$

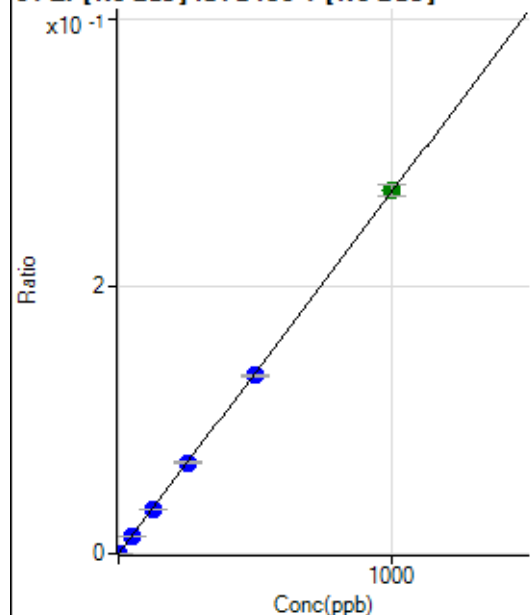
$$DL = 0.009803$$

$$BEC = 0.0481$$

Weight: <None>

Min Conc: <None>

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	88.89	0.0000	P	24.6
2	☐	1.000	1.002	1872.36	0.0003	P	4.1
3	☐	50.000	49.912	87776.19	0.0135	P	2.0
4	☐	125.000	122.642	218706.81	0.0331	P	1.6
5	☐	250.000	252.156	442611.97	0.0681	P	1.4
6	☐	500.000	492.251	877697.94	0.1329	P	0.7
7	☐	1000.000	1003.635	1770679.36	0.2710	A	3.1
8	☐			1626.78	0.0003	P	2.9

$$y = 2.7002E-004 * x + 1.3557E-005$$

$$R = 1.0000$$

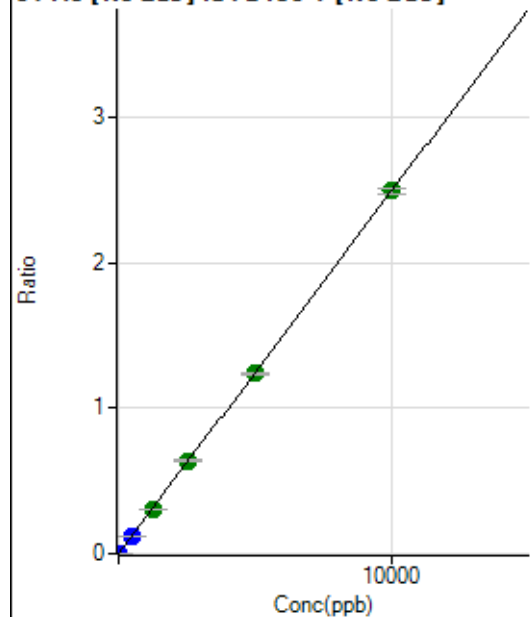
$$DL = 0.03708$$

$$BEC = 0.05021$$

Weight: <None>

Min Conc: <None>

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	274.45	0.0000	P	4.9
2	☐	5.000	5.723	9685.51	0.0015	P	1.1
3	☐	500.000	494.030	802522.88	0.1233	P	1.7
4	☐	1250.000	1232.033	2030211.88	0.3075	A	1.8
5	☐	2500.000	2560.431	4153696.16	0.6391	A	1.7
6	☐	5000.000	4963.810	8179080.22	1.2389	A	1.7
7	☐	10000.000	10005.531	16317197.95	2.4973	A	1.3
8	☐			8322.43	0.0013	P	1.8

$$y = 2.4959\text{E-}004 * x + 4.1880\text{E-}005$$

$$R = 1.0000$$

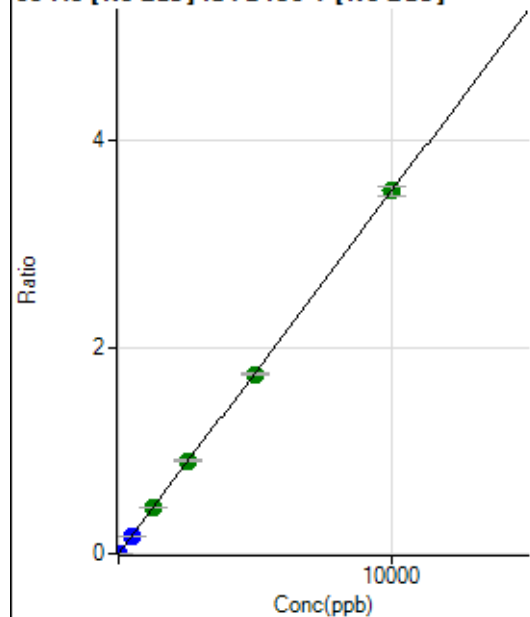
$$DL = 0.02457$$

$$BEC = 0.1678$$

Weight: <None>

Min Conc: <None>

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	265.56	0.0000	P	11.5
2	☐	5.000	4.833	11452.34	0.0017	P	2.3
3	☐	500.000	496.827	1135968.52	0.1746	P	1.5
4	☐	1250.000	1252.128	2904723.15	0.4400	A	0.8
5	☐	2500.000	2556.166	5837254.71	0.8981	A	1.5
6	☐	5000.000	4952.273	11489225.94	1.7400	A	1.0
7	☐	10000.000	10009.715	22979997.99	3.5169	A	2.3
8	☐			9625.46	0.0015	P	4.8

$$y = 3.5134\text{E-}004 * x + 4.0502\text{E-}005$$

$$R = 1.0000$$

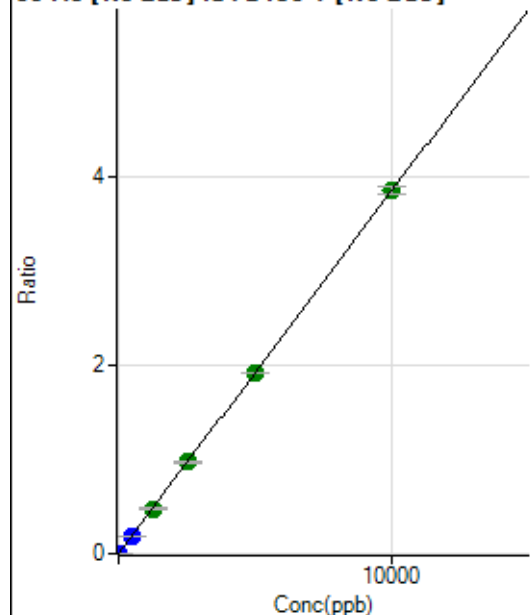
$$DL = 0.03982$$

$$BEC = 0.1153$$

Weight: <None>

Min Conc: <None>

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	317.78	0.0000	P	8.6
2	☐	5.000	4.929	12813.49	0.0019	P	3.2
3	☐	500.000	490.298	1227534.71	0.1887	P	2.2
4	☐	1250.000	1239.034	3147197.94	0.4767	A	1.7
5	☐	2500.000	2522.933	6308920.39	0.9707	A	1.3
6	☐	5000.000	4978.592	12647021.34	1.9155	A	0.7
7	☐	10000.000	10006.827	25158108.24	3.8500	A	2.1
8	☐			13640.90	0.0022	P	2.4

$$y = 3.8473\text{E-}004 * x + 4.8506\text{E-}005$$

$$R = 1.0000$$

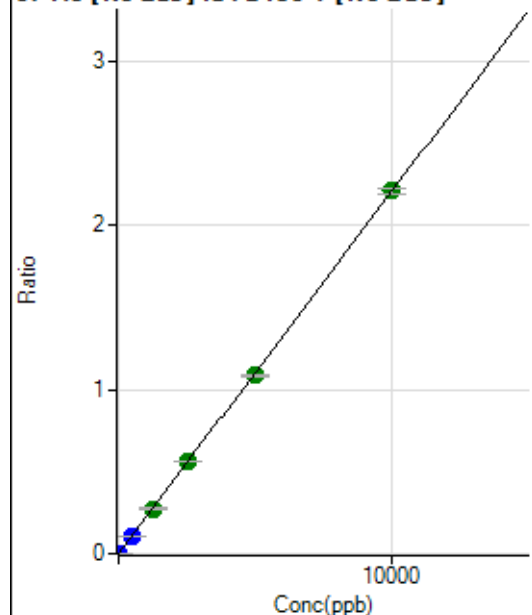
$$DL = 0.03249$$

$$BEC = 0.1261$$

Weight: <None>

Min Conc: <None>

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	174.45	0.0000	P	3.7
2	☐	5.000	4.911	7306.34	0.0011	P	2.3
3	☐	500.000	497.812	714114.83	0.1098	P	1.8
4	☐	1250.000	1246.018	1813477.22	0.2747	A	1.2
5	☐	2500.000	2542.546	3642873.10	0.5605	A	0.9
6	☐	5000.000	4927.145	7171135.80	1.0861	A	1.5
7	☐	10000.000	10026.398	14442510.62	2.2102	A	1.6
8	☐			6148.02	0.0010	P	3.1

$$y = 2.2043\text{E-}004 * x + 2.6622\text{E-}005$$

$$R = 1.0000$$

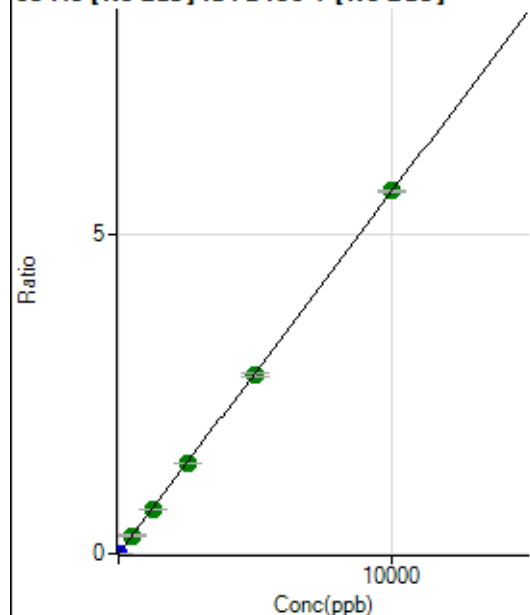
$$DL = 0.01337$$

$$BEC = 0.1208$$

Weight: <None>

Min Conc: <None>

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	438.90	0.0001	P	3.4
2	☐	5.000	4.878	18626.38	0.0028	P	2.2
3	☐	500.000	501.062	1844874.52	0.2836	A	3.2
4	☐	1250.000	1227.727	4586378.72	0.6948	A	3.0
5	☐	2500.000	2507.821	9224015.07	1.4192	A	1.3
6	☐	5000.000	4939.946	18456329.58	2.7955	A	1.4
7	☐	10000.000	10030.803	37093963.61	5.6764	A	0.3
8	☐			15516.09	0.0025	P	1.0

$$y = 5.6589\text{E-}004 * x + 6.6978\text{E-}005$$

$$R = 1.0000$$

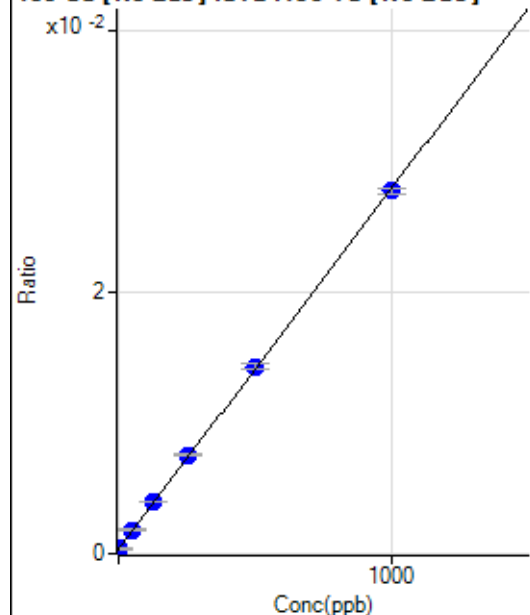
$$DL = 0.01212$$

$$BEC = 0.1184$$

Weight: <None>

Min Conc: <None>

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	1530.10	0.0003	P	5.2
2	☐	1.000	1.332	1725.67	0.0004	P	5.9
3	☐	50.000	53.570	8150.15	0.0018	P	2.6
4	☐	125.000	129.868	17826.60	0.0039	P	1.2
5	☐	250.000	260.230	34134.62	0.0075	P	2.1
6	☐	500.000	507.084	65248.20	0.0143	P	2.2
7	☐	1000.000	993.113	126857.86	0.0277	P	1.9
8	☐			1635.66	0.0004	P	6.7

$$y = 2.7573\text{E-}005 * x + 3.3884\text{E-}004$$

$$R = 0.9999$$

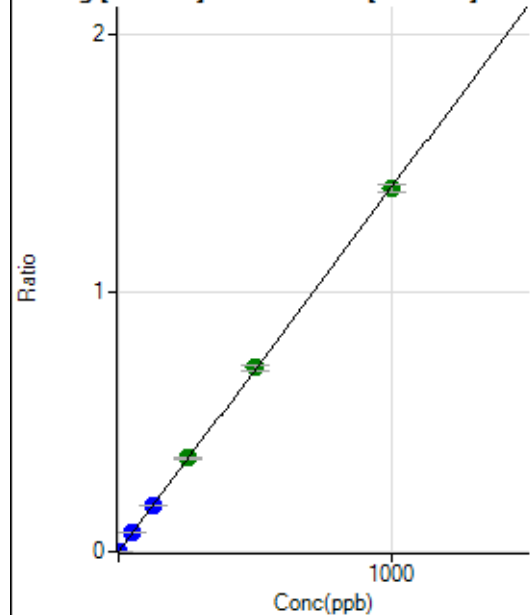
$$DL = 1.903$$

$$BEC = 12.29$$

Weight: <None>

Min Conc: <None>

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	58.10	0.0000	P	18.8
2	☐	1.000	1.034	6743.92	0.0015	P	1.4
3	☐	50.000	50.965	321933.73	0.0717	P	2.2
4	☐	125.000	126.711	811130.99	0.1784	P	1.5
5	☐	250.000	256.313	1638600.27	0.3608	A	1.2
6	☐	500.000	504.630	3236311.27	0.7103	A	2.9
7	☐	1000.000	995.845	6414040.24	1.4016	A	2.0
8	☐			6158.97	0.0014	P	3.6

$$y = 0.0014 * x + 1.2876E-005$$

$$R = 1.0000$$

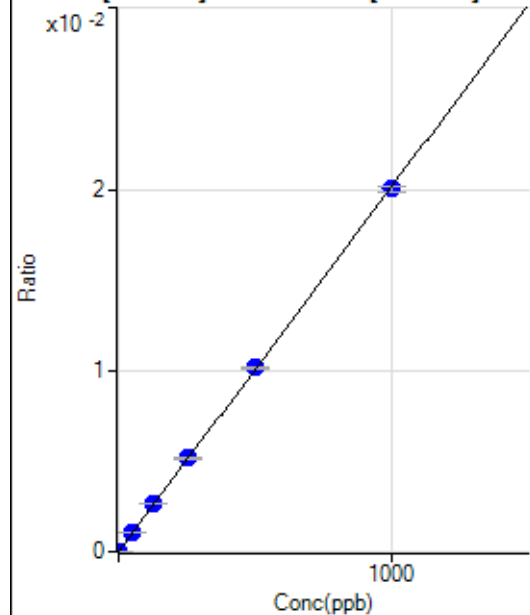
$$DL = 0.005171$$

$$BEC = 0.009148$$

Weight: <None>

Min Conc: <None>

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	7.78	0.0000	P	25.3
2	☐	1.000	0.887	90.00	0.0000	P	10.7
3	☐	50.000	51.843	4689.69	0.0010	P	3.3
4	☐	125.000	130.240	11930.56	0.0026	P	1.2
5	☐	250.000	256.757	23477.97	0.0052	P	2.7
6	☐	500.000	505.688	46385.11	0.0102	P	1.2
7	☐	1000.000	994.719	91629.65	0.0200	P	1.9
8	☐			72.22	0.0000	P	14.7

$$y = 2.0128E-005 * x + 1.7245E-006$$

$$R = 0.9999$$

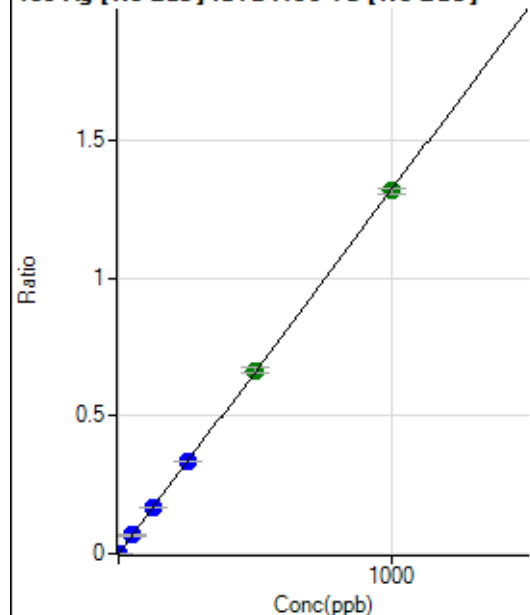
$$DL = 0.06498$$

$$BEC = 0.08568$$

Weight: <None>

Min Conc: <None>

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	16.67	0.0000	P	72.4
2	☐	1.000	1.031	6266.97	0.0014	P	1.8
3	☐	50.000	50.633	299942.61	0.0668	P	1.7
4	☐	125.000	126.369	758659.42	0.1668	P	1.7
5	☐	250.000	253.508	1519872.27	0.3346	P	1.7
6	☐	500.000	503.404	3027362.76	0.6645	A	2.9
7	☐	1000.000	997.218	6024104.22	1.3164	A	1.5
8	☐			5758.99	0.0013	P	4.6

$$y = 0.0013 * x + 3.6975E-006$$

$$R = 1.0000$$

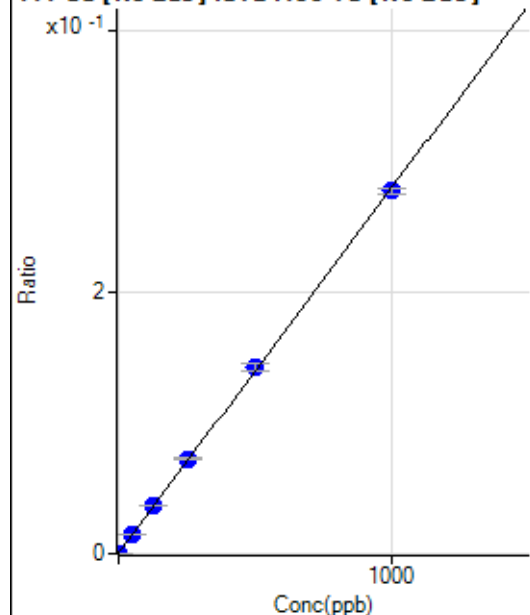
$$DL = 0.006082$$

$$BEC = 0.002801$$

Weight: <None>

Min Conc: <None>

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	1076.73	0.0002	P	5.9
2	☐	1.000	1.034	2422.82	0.0005	P	6.3
3	☐	50.000	53.006	67554.77	0.0151	P	0.8
4	☐	125.000	129.381	165544.71	0.0364	P	1.2
5	☐	250.000	259.156	330061.06	0.0727	P	1.6
6	☐	500.000	509.129	649312.20	0.1425	P	3.5
7	☐	1000.000	992.448	1270461.33	0.2776	P	1.9
8	☐			1741.10	0.0004	P	7.4

$$y = 2.7949E-004 * x + 2.3844E-004$$

$$R = 0.9999$$

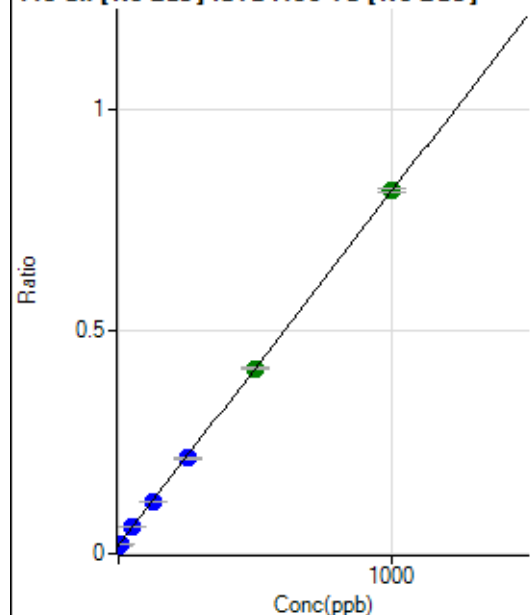
$$DL = 0.1501$$

$$BEC = 0.8531$$

Weight: <None>

Min Conc: <None>

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	87768.67	0.0194	P	0.2
2	☐	5.000	4.654	106285.86	0.0231	P	0.7
3	☐	50.000	49.809	264806.32	0.0590	P	1.7
4	☐	125.000	122.171	529822.41	0.1165	P	1.9
5	☐	250.000	246.477	977674.27	0.2153	P	1.8
6	☐	500.000	499.414	1896395.95	0.4162	A	1.5
7	☐	1000.000	1001.538	3730481.44	0.8152	A	1.1
8	☐			6029.10	0.0013	P	6.8

$$y = 7.9451\text{E-}004 * x + 0.0194$$

$$R = 1.0000$$

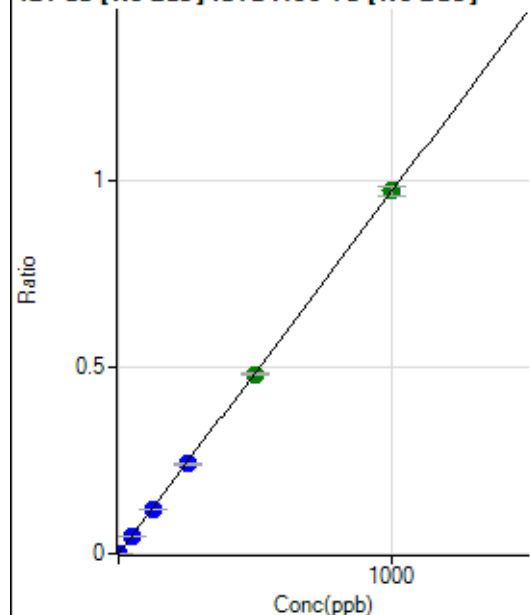
$$DL = 0.1686$$

$$BEC = 24.47$$

Weight: <None>

Min Conc: <None>

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	40.00	0.0000	P	38.2
2	☐	2.000	1.936	8676.04	0.0019	P	1.9
3	☐	50.000	49.778	216845.70	0.0483	P	2.4
4	☐	125.000	123.116	543561.10	0.1195	P	1.4
5	☐	250.000	247.431	1090870.03	0.2402	P	1.2
6	☐	500.000	496.789	2197498.92	0.4822	A	0.7
7	☐	1000.000	1002.495	4452591.49	0.9731	A	2.6
8	☐			11553.63	0.0026	P	6.8

$$y = 9.7065\text{E-}004 * x + 8.8607\text{E-}006$$

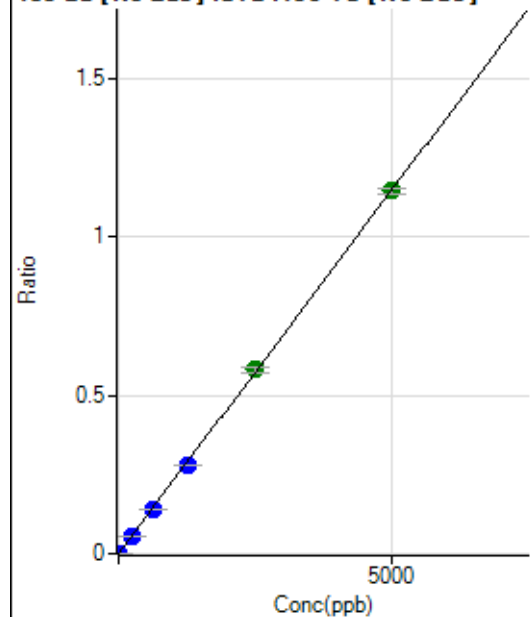
$$R = 1.0000$$

$$DL = 0.01046$$

$$BEC = 0.009129$$

Weight: <None>

Min Conc: <None>

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	36.66	0.0000	P	41.4
2	☐	10.000	9.420	9952.44	0.0022	P	1.5
3	☐	250.000	243.037	249946.04	0.0557	P	1.4
4	☐	625.000	607.761	633416.42	0.1393	P	0.9
5	☐	1250.000	1216.337	1265925.10	0.2787	P	1.3
6	☐	2500.000	2532.454	2643508.41	0.5803	A	2.9
7	☐	5000.000	4994.693	5237386.00	1.1445	A	1.8
8	☐			8290.26	0.0018	P	3.6

$$y = 2.2914\text{E-}004 * x + 8.1112\text{E-}006$$

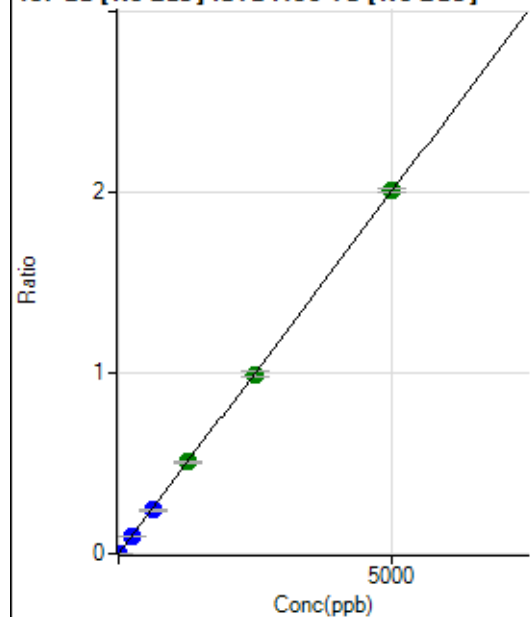
$$R = 0.9999$$

$$DL = 0.04391$$

$$BEC = 0.0354$$

Weight: <None>

Min Conc: <None>

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	52.22	0.0000	P	51.0
2	☐	10.000	9.367	17275.05	0.0038	P	1.4
3	☐	250.000	241.447	433645.77	0.0966	P	2.1
4	☐	625.000	598.642	1089615.94	0.2396	P	1.5
5	☐	1250.000	1263.742	2297023.51	0.5058	A	2.0
6	☐	2500.000	2478.531	4518927.75	0.9919	A	2.9
7	☐	5000.000	5011.023	9177756.46	2.0054	A	1.0
8	☐			14389.59	0.0032	P	3.1

$$y = 4.0020\text{E-}004 * x + 1.1563\text{E-}005$$

$$R = 1.0000$$

$$DL = 0.0442$$

$$BEC = 0.02889$$

Weight: <None>

Min Conc: <None>

150 Nd [No Gas] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			4.44		P	173.
2	☐			0.00		P	
3	☐			18.89		P	27.0
4	☐			24.44		P	31.5
5	☐			63.33		P	27.3
6	☐			136.67		P	17.1
7	☐			236.67		P	6.5
8	☐			100.00		P	14.5

150 Nd [He] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			2.22		P	173.
2	☐			2.22		P	86.6
3	☐			7.78		P	173.
4	☐			5.56		P	34.7
5	☐			25.55		P	27.1
6	☐			45.56		P	37.5
7	☐			67.78		P	24.3
8	☐			64.44		P	38.8

156 Dy [No Gas] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			11.11		P	91.7
2	☐			8.89		P	78.1
3	☐			17.78		P	39.0
4	☐			24.45		P	15.8
5	☐			33.33		P	50.0
6	☐			71.11		P	53.3
7	☐			131.11		P	23.6
8	☐			221.12		P	1.7

156 Dy [He] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			4.44		P	43.4
2	☐			4.45		P	86.6
3	☐			17.78		P	43.3
4	☐			44.45		P	8.7
5	☐			101.11		P	16.3
6	☐			184.45		P	10.0
7	☐			373.34		P	9.9
8	☐			220.00		P	10.6

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			26.67		P	37.5
2	☐			24.44		P	41.7
3	☐			32.22		P	21.5
4	☐			43.33		P	40.7
5	☐			44.45		P	15.6
6	☐			71.11		P	2.7
7	☐			117.78		P	16.6
8	☐			262.23		P	5.3

160 Gd [He] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			208.89		P	13.0
2	☐			216.67		P	5.5
3	☐			258.89		P	8.6
4	☐			224.45		P	12.0
5	☐			243.34		P	4.9
6	☐			264.45		P	9.6
7	☐			282.23		P	1.8
8	☐			357.79		P	15.5

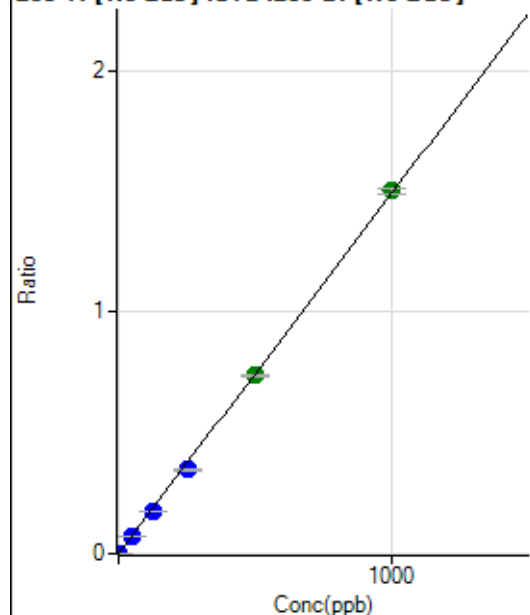
164 Er [No Gas] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			20.00		P	44.1
2	☐			20.00		P	50.0
3	☐			42.22		P	18.2
4	☐			41.11		P	32.8
5	☐			65.56		P	12.8
6	☐			97.78		P	19.7
7	☐			215.56		P	5.0
8	☐			485.57		P	8.0

164 Er [He] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			12.22		P	68.7
2	☐			16.67		P	40.0
3	☐			17.78		P	60.3
4	☐			38.89		P	34.6
5	☐			35.55		P	10.8
6	☐			77.78		P	19.3
7	☐			166.67		P	6.0
8	☐			392.23		P	13.3

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	66.67	0.0000	P	32.9
2	☐	1.000	1.001	4496.35	0.0015	P	2.8
3	☐	50.000	46.975	208143.01	0.0700	P	1.1
4	☐	125.000	116.983	527052.85	0.1743	P	2.7
5	☐	250.000	233.839	1057346.70	0.3484	P	2.0
6	☐	500.000	494.936	2235821.44	0.7373	A	1.6
7	☐	1000.000	1007.726	4512781.25	1.5013	A	1.7
8	☐			6279.28	0.0023	P	7.4

$$y = 0.0015 * x + 2.2451E-005$$

$$R = 0.9998$$

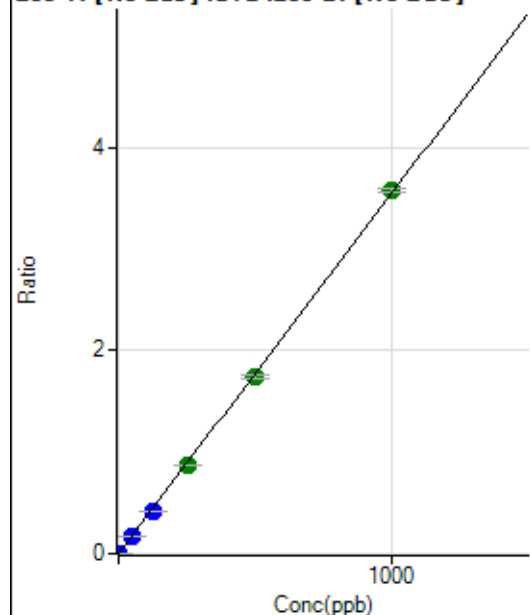
$$DL = 0.0149$$

$$BEC = 0.01507$$

Weight: <None>

Min Conc: <None>

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	125.56	0.0000	P	5.2
2	☐	1.000	1.019	10856.67	0.0037	P	0.6
3	☐	50.000	46.998	495727.74	0.1667	P	1.6
4	☐	125.000	118.020	1266075.33	0.4187	P	2.0
5	☐	250.000	246.690	2656154.18	0.8750	A	1.0
6	☐	500.000	489.517	5264887.80	1.7363	A	1.9
7	☐	1000.000	1007.091	10738438.52	3.5721	A	1.1
8	☐			15066.22	0.0055	P	2.5

$$y = 0.0035 * x + 4.2270E-005$$

$$R = 0.9999$$

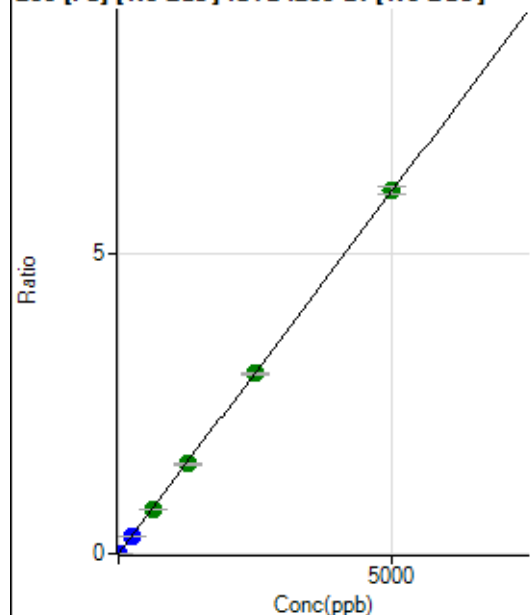
$$DL = 0.001877$$

$$BEC = 0.01192$$

Weight: <None>

Min Conc: <None>

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	454.46	0.0002	P	3.9
2	☐	1.000	0.857	3529.39	0.0012	P	4.3
3	☐	250.000	237.213	852256.22	0.2866	P	1.0
4	☐	625.000	614.125	2243408.53	0.7418	A	2.3
5	☐	1250.000	1238.058	4538546.01	1.4954	A	2.1
6	☐	2500.000	2486.994	9108794.52	3.0038	A	1.4
7	☐	5000.000	5011.487	18193580.56	6.0527	A	2.0
8	☐			7599.98	0.0028	P	4.4

$$y = 0.0012 * x + 1.5302E-004$$

R = 1.0000

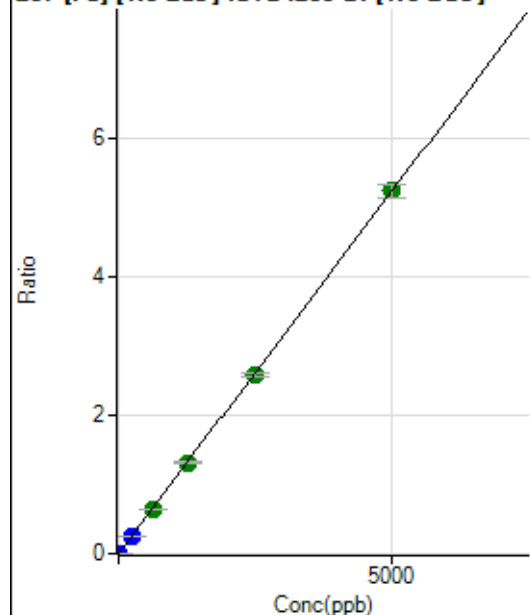
DL = 0.0149

BEC = 0.1267

Weight: <None>

Min Conc: <None>

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	357.78	0.0001	P	6.7
2	☐	1.000	0.832	2945.91	0.0010	P	1.1
3	☐	250.000	232.169	723385.78	0.2433	P	1.2
4	☐	625.000	617.143	1955188.18	0.6465	A	2.3
5	☐	1250.000	1254.441	3988636.43	1.3141	A	2.0
6	☐	2500.000	2476.311	7865560.72	2.5939	A	2.2
7	☐	5000.000	5012.608	15779736.71	5.2505	A	3.6
8	☐			6396.01	0.0023	P	4.0

$$y = 0.0010 * x + 1.2044E-004$$

R = 1.0000

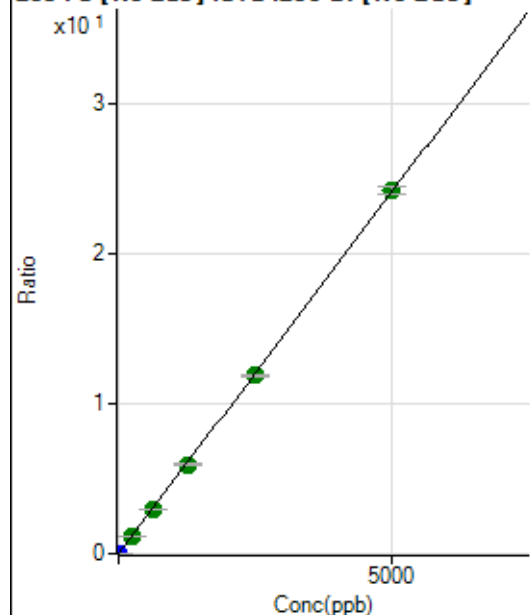
DL = 0.02308

BEC = 0.115

Weight: <None>

Min Conc: <None>

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	1708.95	0.0006	P	2.8
2	☐	1.000	0.834	13627.26	0.0046	P	2.2
3	☐	250.000	240.532	3441755.74	1.1577	A	1.4
4	☐	625.000	615.674	8958545.25	2.9623	A	1.9
5	☐	1250.000	1236.956	18063658.34	5.9509	A	1.0
6	☐	2500.000	2468.749	36018570.65	11.8765	A	1.1
7	☐	5000.000	5020.525	72596625.31	24.1518	A	2.0
8	☐			29556.19	0.0108	P	2.7

$$y = 0.0048 * x + 5.7537E-004$$

$$R = 1.0000$$

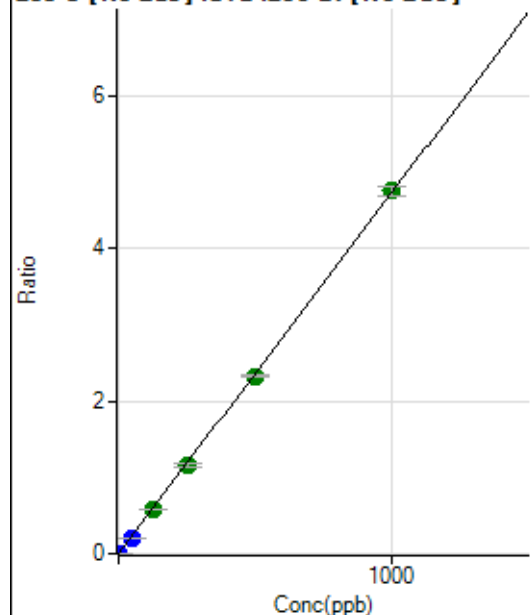
$$DL = 0.009937$$

$$BEC = 0.1196$$

Weight: <None>

Min Conc: <None>

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	54.45	0.0000	P	29.1
2	☐	1.000	0.868	12240.19	0.0041	P	2.4
3	☐	50.000	44.865	630533.82	0.2121	P	1.5
4	☐	125.000	121.402	1735441.45	0.5738	A	1.7
5	☐	250.000	246.161	3530857.45	1.1635	A	3.3
6	☐	500.000	492.725	7062406.98	2.3288	A	0.7
7	☐	1000.000	1005.304	14280911.73	4.7514	A	2.8
8	☐			710.03	0.0003	P	11.7

$$y = 0.0047 * x + 1.8341E-005$$

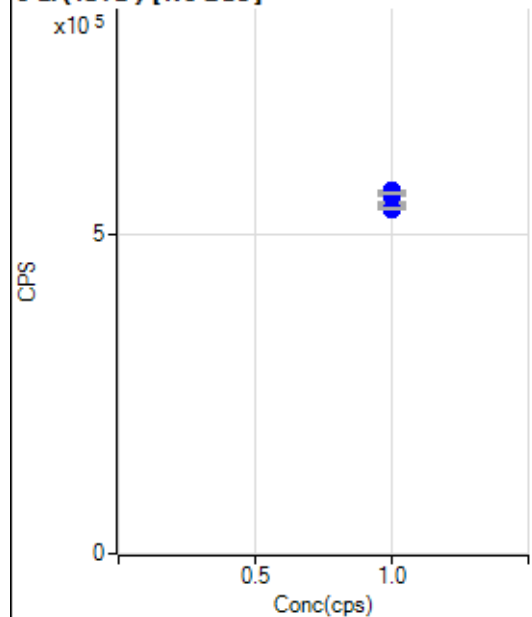
$$R = 0.9999$$

$$DL = 0.003393$$

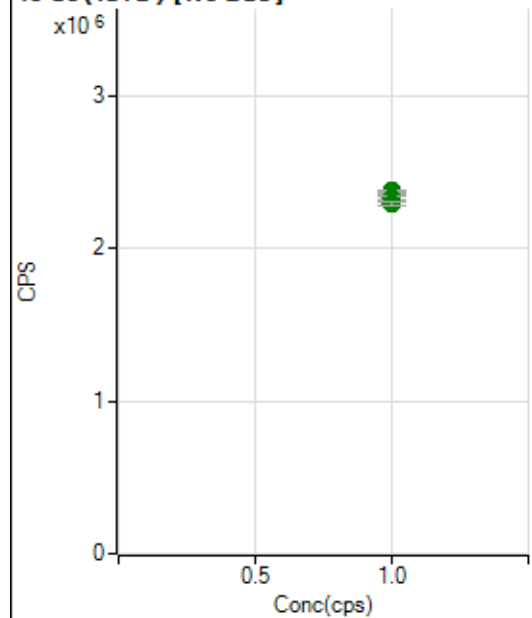
$$BEC = 0.003881$$

Weight: <None>

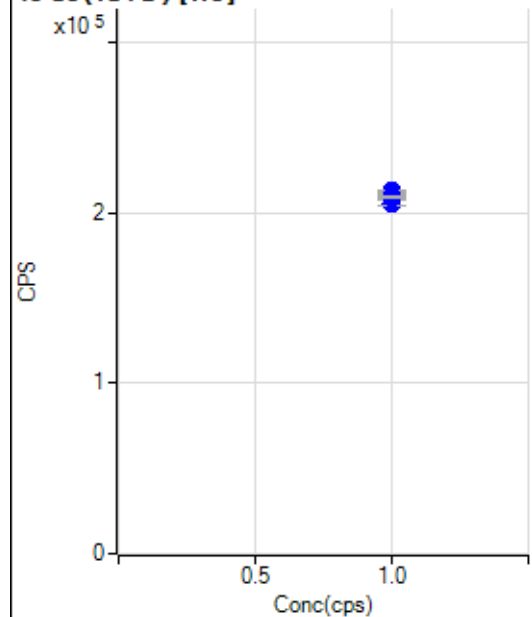
Min Conc: <None>

6 Li (ISTD) [No Gas]

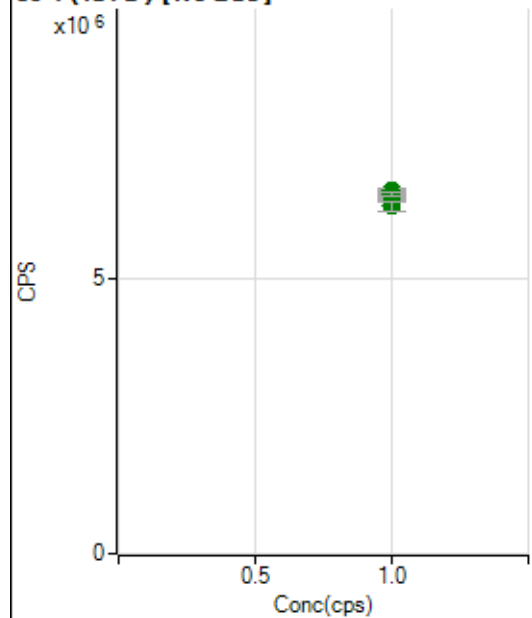
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		548070.50		P	1.0
2	☐	1.000		550115.26		P	0.5
3	☐	1.000		559959.29		P	0.6
4	☐	1.000		567484.37		P	0.2
5	☐	1.000		563166.17		P	0.7
6	☐	1.000		566030.98		P	1.2
7	☐	1.000		563158.47		P	0.6
8	☐	1.000		539261.47		P	0.5

45 Sc (ISTD) [No Gas]

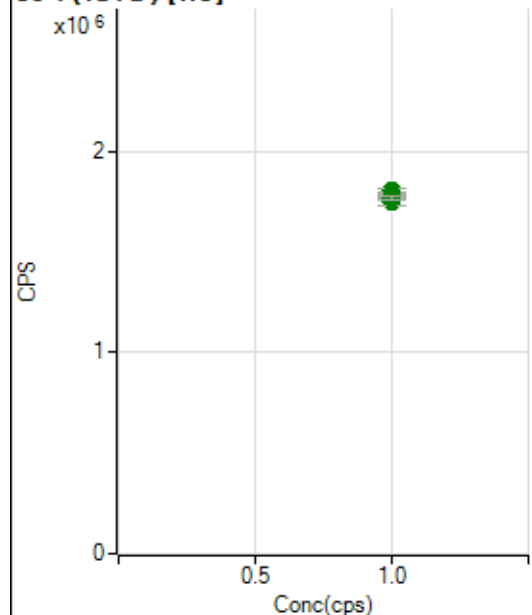
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		2362858.47		A	1.5
2	☐	1.000		2379717.31		A	0.8
3	☐	1.000		2348199.82		A	0.4
4	☐	1.000		2372878.49		A	0.5
5	☐	1.000		2378586.84		A	0.4
6	☐	1.000		2334970.59		A	1.0
7	☐	1.000		2336222.52		A	0.9
8	☐	1.000		2294157.17		A	1.2

45 Sc (ISTD) [He]

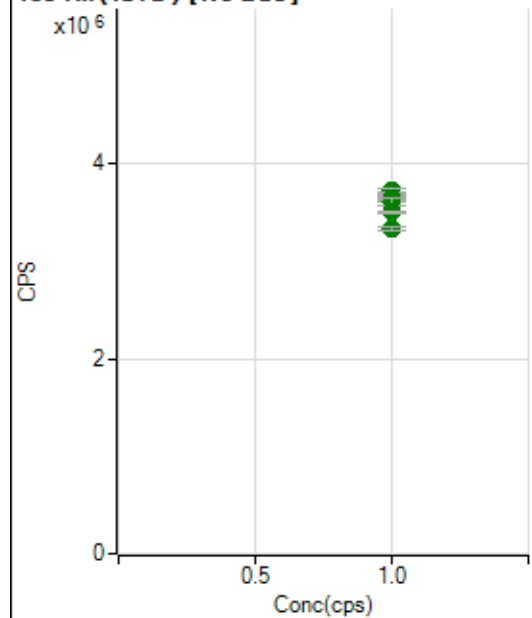
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		212634.64		P	0.4
2	☐	1.000		213095.70		P	0.1
3	☐	1.000		210066.81		P	1.2
4	☐	1.000		208807.30		P	0.9
5	☐	1.000		209971.59		P	0.6
6	☐	1.000		208752.37		P	0.8
7	☐	1.000		206037.88		P	1.5
8	☐	1.000		209269.45		P	0.7

89 Y (ISTD) [No Gas]

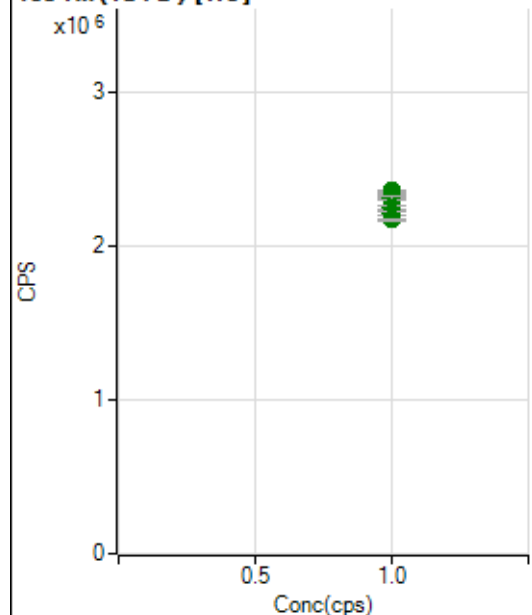
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		6554006.98		A	0.8
2	☐	1.000		6588235.80		A	0.9
3	☐	1.000		6507410.60		A	1.9
4	☐	1.000		6602413.23		A	1.3
5	☐	1.000		6499677.89		A	0.6
6	☐	1.000		6602913.03		A	1.7
7	☐	1.000		6534613.10		A	1.2
8	☐	1.000		6318867.06		A	2.3

89 Y (ISTD) [He]

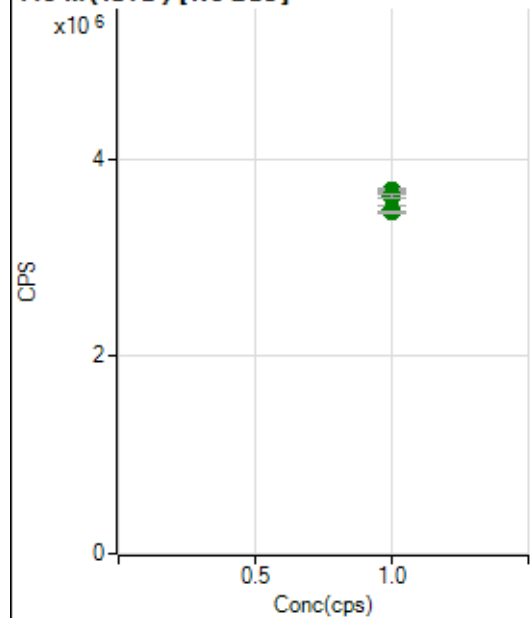
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		1804156.95		A	1.8
2	☐	1.000		1800655.15		A	1.9
3	☐	1.000		1791604.59		A	0.6
4	☐	1.000		1787681.24		A	0.3
5	☐	1.000		1782556.50		A	0.8
6	☐	1.000		1774981.16		A	1.5
7	☐	1.000		1748696.74		A	1.8
8	☐	1.000		1769376.22		A	1.1

103 Rh (ISTD) [No Gas]

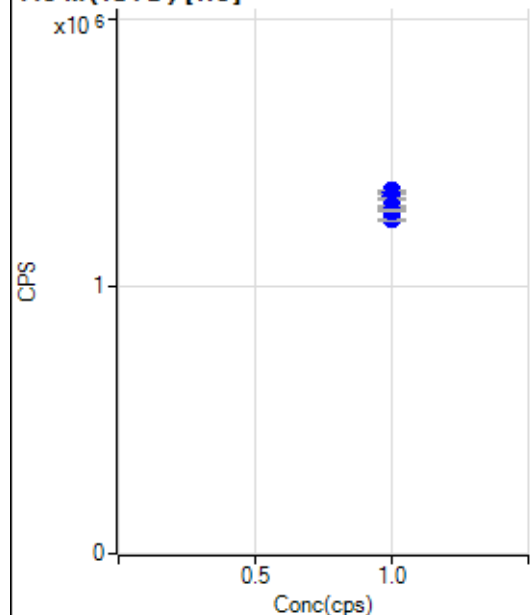
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		3656290.22		A	1.4
2	☐	1.000		3663512.97		A	0.8
3	☐	1.000		3719259.25		A	1.1
4	☐	1.000		3651032.58		A	0.4
5	☐	1.000		3625510.43		A	0.5
6	☐	1.000		3605883.49		A	1.8
7	☐	1.000		3499133.84		A	0.7
8	☐	1.000		3336175.85		A	1.1

103 Rh (ISTD) [He]

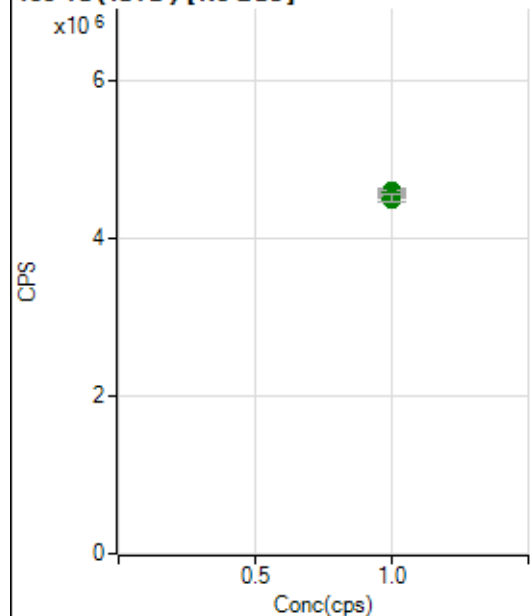
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		2330250.85		A	1.6
2	☐	1.000		2357825.74		A	0.7
3	☐	1.000		2336653.56		A	2.1
4	☐	1.000		2334490.54		A	0.6
5	☐	1.000		2315253.39		A	0.9
6	☐	1.000		2249822.76		A	0.8
7	☐	1.000		2207562.74		A	1.0
8	☐	1.000		2168611.79		A	0.5

115 In (ISTD) [No Gas]

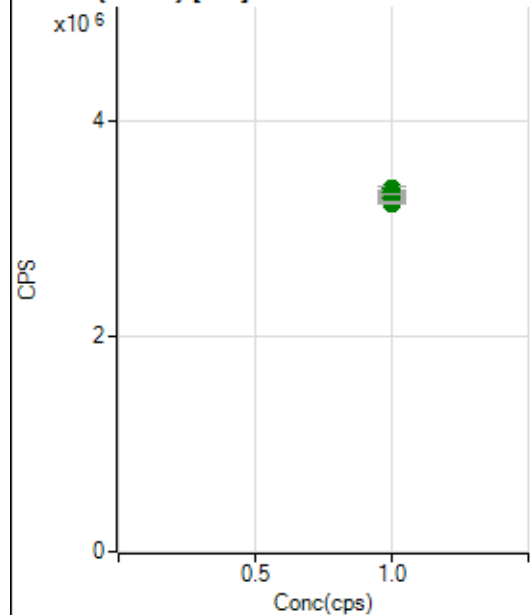
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		3655261.10		A	0.1
2	☐	1.000		3680051.85		A	1.4
3	☐	1.000		3654172.66		A	0.7
4	☐	1.000		3621280.04		A	0.9
5	☐	1.000		3648807.41		A	2.0
6	☐	1.000		3626636.02		A	0.7
7	☐	1.000		3498309.60		A	1.3
8	☐	1.000		3464892.04		A	0.6

115 In (ISTD) [He]

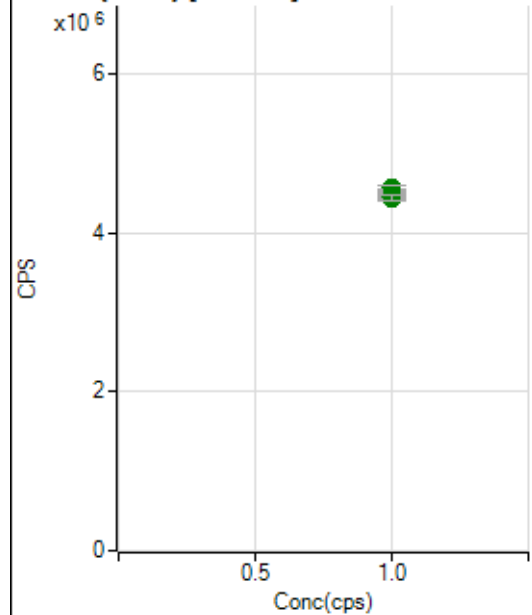
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		1359391.80		P	0.4
2	☐	1.000		1354429.94		P	0.2
3	☐	1.000		1353774.20		P	0.9
4	☐	1.000		1340852.34		P	1.0
5	☐	1.000		1330770.27		P	0.4
6	☐	1.000		1301904.77		P	0.6
7	☐	1.000		1253474.91		P	0.6
8	☐	1.000		1284222.50		P	0.4

159 Tb (ISTD) [No Gas]

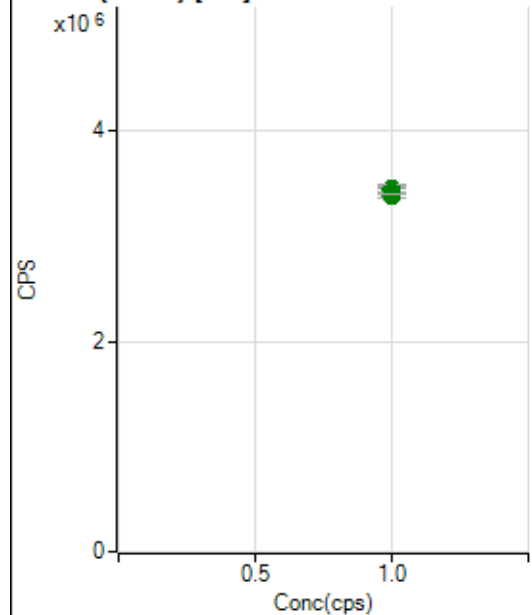
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		4515405.28		A	0.5
2	☐	1.000		4594099.62		A	0.9
3	☐	1.000		4487909.48		A	1.1
4	☐	1.000		4548340.14		A	1.1
5	☐	1.000		4542187.54		A	0.9
6	☐	1.000		4557108.96		A	2.1
7	☐	1.000		4576749.69		A	1.2
8	☐	1.000		4498599.86		A	2.0

159 Tb (ISTD) [He]

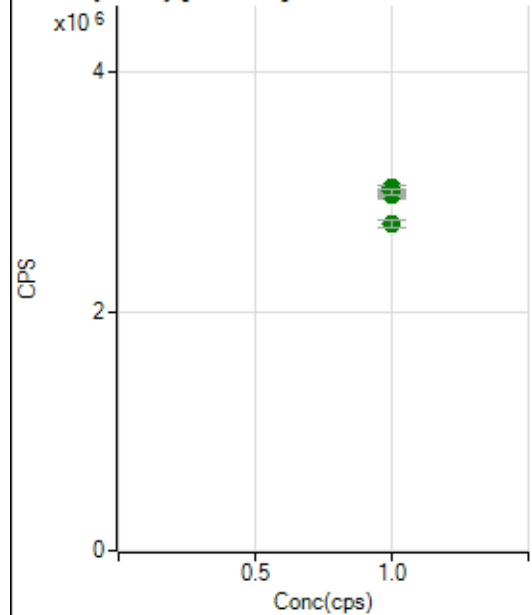
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		3324924.74		A	0.8
2	☐	1.000		3366834.98		A	1.6
3	☐	1.000		3322790.40		A	0.8
4	☐	1.000		3306917.62		A	1.6
5	☐	1.000		3330050.82		A	1.4
6	☐	1.000		3311661.90		A	0.7
7	☐	1.000		3290162.21		A	1.3
8	☐	1.000		3236491.31		A	0.8

165 Ho (ISTD) [No Gas]

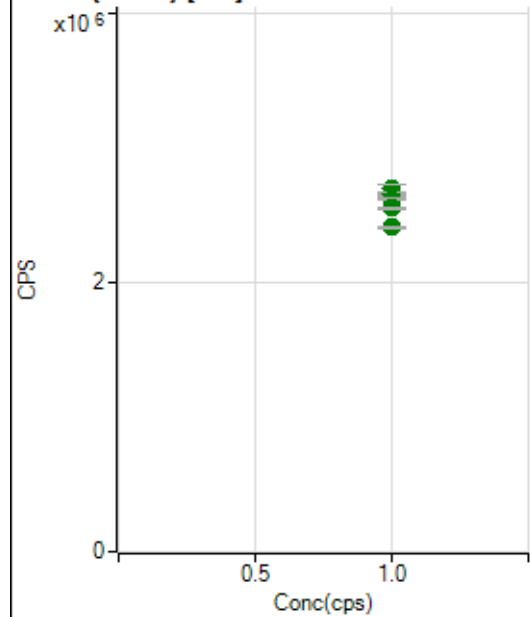
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		4482950.31		A	1.1
2	☐	1.000		4484627.85		A	0.2
3	☐	1.000		4432655.77		A	0.4
4	☐	1.000		4536034.38		A	0.8
5	☐	1.000		4524310.66		A	0.6
6	☐	1.000		4566363.65		A	1.9
7	☐	1.000		4479430.04		A	0.7
8	☐	1.000		4445307.33		A	1.7

165 Ho (ISTD) [He]

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		3434777.62		A	2.0
2	☐	1.000		3438501.30		A	1.3
3	☐	1.000		3422602.69		A	1.3
4	☐	1.000		3448217.10		A	2.0
5	☐	1.000		3420969.71		A	0.2
6	☐	1.000		3420632.93		A	0.2
7	☐	1.000		3383015.23		A	0.8
8	☐	1.000		3398094.08		A	0.4

209 Bi (ISTD) [No Gas]

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		2970126.31		A	0.3
2	☐	1.000		2969705.82		A	1.7
3	☐	1.000		2973334.12		A	1.2
4	☐	1.000		3024809.37		A	1.7
5	☐	1.000		3035714.54		A	1.6
6	☐	1.000		3032821.72		A	2.0
7	☐	1.000		3006522.28		A	1.7
8	☐	1.000		2734918.76		A	2.9

209 Bi (ISTD) [He]

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		2637225.15		A	0.7
2	☐	1.000		2643521.54		A	0.8
3	☐	1.000		2651559.79		A	1.6
4	☐	1.000		2698394.74		A	2.7
5	☐	1.000		2661522.62		A	0.8
6	☐	1.000		2622420.03		A	0.6
7	☐	1.000		2556044.88		A	0.6
8	☐	1.000		2412210.19		A	0.9

US EPA Tune Check Report

Operator Name Jaswal

Acq/Data Batch D:\Agilent\ICPMH\1\DATA\P7102825-M.b

Acq. Date-Time 2025-10-28 21:43:13

Report Comment ---

Instrument Name G8403A JP14410463

[No Gas]

Sensitivity

Mass	Conc. [ug/l]	Count	CPS	Resp (Required) [cps/ug/l]	Resp (Flag)	RSD%	RSD% (Required)
9		4475	44746.67			0.860	5.000
24		40776	407763.43			0.147	5.000
25		5351	53505.90			0.297	5.000
26		6352	63524.28			0.461	5.000
59		46479	464790.16			0.369	5.000
113		5584	55844.42			0.586	5.000
115		63663	636634.21			0.666	5.000
206		13819	138186.04			1.056	5.000
207		12237	122367.06			1.133	5.000
208		28998	289977.61			1.087	5.000
220		0	3.20			43.638	

Mass	RSD% (Flag)
9	
24	
25	
26	
59	
113	
115	
206	
207	
208	
220	

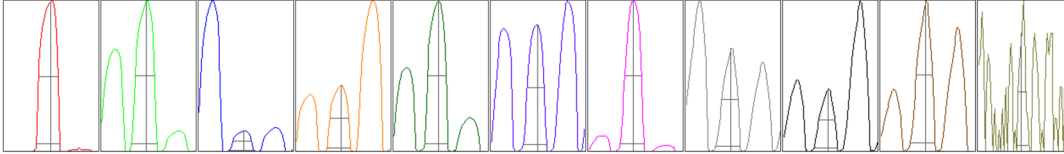
Mass	Rep#1 Count	Rep#2 Count	Rep#3 Count	Rep#4 Count	Rep#5 Count
9	4526	4504	4452	4435	4456
24	40740	40702	40860	40798	40783
25	5333	5349	5346	5377	5348
26	6369	6365	6327	6316	6385
59	46510	46272	46452	46419	46743
113	5580	5556	5613	5623	5550
115	63208	63216	63870	63899	64125
206	13801	13689	13970	13967	13666
207	12269	12002	12287	12371	12254
208	28968	28610	29276	29349	28785

US EPA Tune Check Report

Mass	Rep#1 Count	Rep#2 Count	Rep#3 Count	Rep#4 Count	Rep#5 Count
220	0	0	0	0	1

Integration Time [sec] 0.1

Resolution/Axis



Mass	Peak Height	Axis	Axis (Required)	Axis (Flag)
9	7637.37	9.00	8.90 - 9.10	
24	70817.13	23.95	23.90 - 24.10	
25	9435.07	24.95	24.90 - 25.10	
26	11037.99	25.95	25.90 - 26.10	
59	82982.79	58.95	58.90 - 59.10	
113	10825.21	113.00	112.90 - 113.10	
115	124728.97	114.95	114.90 - 115.10	
206	28034.54	205.95	205.90 - 206.10	
207	24504.38	206.95	206.90 - 207.10	
208	59278.01	207.95	207.90 - 208.10	
220	0.55	219.90	-	

Mass	W-50%	W-5%	W-5% (Required)	W-5% (Flag)
9	0.61	0.740	0.900	
24	0.61	0.811	0.900	
25	0.60	0.742	0.900	
26	0.61	0.743	0.900	
59	0.60	0.738	0.900	
113	0.53	0.747	0.900	
115	0.52	0.765	0.900	
206	0.51	0.774	0.900	
207	0.51	0.745	0.900	
208	0.52	0.784	0.900	
220	0.25	0.387		

Integration Time [sec] 0.1

Acquisition Time [sec] 256.770000000002

Y Axis Linear

Tune Parameters

Plasma Parameters

Plasma Mode --- Nebulizer Gas 0.87 L/min Dilution Gas 0.40 L/min

US EPA Tune Check Report

RF Power	1600 W	Option Gas	---	Auxiliary Gas	0.90 L/min
RF Matching	1.80 V	Nebulizer Pump	0.10 rps	Plasma Gas	15.0 L/min
Sample Depth	9.0 mm	S/C Temp	2 °C		

Lens Parameters

Extract 1	0.0 V	Omega Lens	7.9 V	Deflect	15.0 V
Extract 2	-160.0 V	Cell Entrance	-30 V	Plate Bias	-35 V
Omega Bias	-75 V	Cell Exit	-50 V		

Cell Parameters

Use Gas	No	3rd Gas Flow	---	Energy Discrimination	5.0 V
He Flow	0.0 mL/min	OctP Bias	-8.0 V		
H2 Flow	---	OctP RF	180 V		

QP Parameters

Mass Gain	138	Axis Gain	0.9975	QP Bias	-3.0 V
Mass Offset	129	Axis Offset	0.11		

Hardware Settings

Torch

Torch H	-2.0 mm	Torch V	1.1 mm
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EM

Discriminator	4.7 mV	Analog HV	2293 V	Pulse HV	1224 V
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[He]

Sensitivity

Mass	Conc. [ug/l]	Count	CPS	Resp (Required) [cps/ug/l]	Resp (Flag)	RSD%	RSD% (Required)
59		15689	156892.18			0.585	
89		40282	402819.63			0.620	
205		16527	165269.75			0.943	

Mass	RSD% (Flag)
59	
89	
205	

Mass	Rep#1 Count	Rep#2 Count	Rep#3 Count	Rep#4 Count	Rep#5 Count
59	15776	15802	15627	15629	15612
89	40591	40481	40184	40179	39975
205	16652	16642	16622	16322	16396

Integration Time [sec] 0.1

Tune Parameters

Plasma Parameters

Plasma Mode	---	Nebulizer Gas	0.87 L/min	Dilution Gas	0.40 L/min
RF Power	1600 W	Option Gas	---	Auxiliary Gas	0.90 L/min
RF Matching	1.80 V	Nebulizer Pump	0.10 rps	Plasma Gas	15.0 L/min
Sample Depth	9.0 mm	S/C Temp	2 °C		

Lens Parameters

Extract 1	0.0 V	Omega Lens	9.1 V	Deflect	3.6 V
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US EPA Tune Check Report

Extract 2	-175.0 V	Cell Entrance	-40 V	Plate Bias	-60 V
Omega Bias	-80 V	Cell Exit	-60 V		
Cell Parameters					
Use Gas	Yes	3rd Gas Flow	---	Energy Discrimination	5.0 V
He Flow	3.9 mL/min	OctP Bias	-18.0 V		
H2 Flow	---	OctP RF	200 V		
QP Parameters					
Mass Gain	138	Axis Gain	0.9975	QP Bias	-13.0 V
Mass Offset	129	Axis Offset	0.11		
Hardware Settings					
Torch					
Torch H	-2.0 mm	Torch V	1.1 mm		
EM					
Discriminator	4.7 mV	Analog HV	2293 V	Pulse HV	1224 V