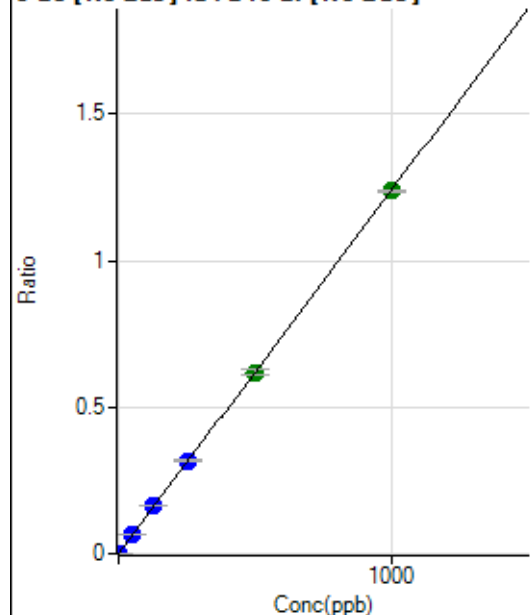


Batch Folder: D:\Agilent\ICPMH\1\DATA\P7032822MS.b\
Analysis File: P7032822MS.batch.bin
DA Date-Time: 2022-03-29 01:06:05
Calibration Title:
Calibration Method: External Calibration
VIS Interpolation Fit:

Level	Standard Data File	Sample Name	Acq. Date-Time
1	003CALB.d	S00	2022-03-28 15:34:56
2	004CALS.d	S01	2022-03-28 15:37:50
3	006CALS.d	S02	2022-03-28 15:43:35
4	007CALS.d	S03	2022-03-28 15:46:28
5	008CALS.d	S04	2022-03-28 15:49:17
6	009CALS.d	S05	2022-03-28 15:52:03
7	010CALS.d	S06	2022-03-28 15:54:51
8	011CALS.d	S07	2022-03-28 15:57:37
9	012CALS.d	S08	2022-03-28 16:00:24

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	14.45	0.0000	P	47.9
2	☐	0.100	0.117	293.34	0.0002	P	12.3
3	☐	1.000	0.982	2321.31	0.0012	P	3.8
4	☐	50.000	51.865	121721.56	0.0643	P	0.2
5	☐	125.000	130.482	302933.98	0.1619	P	0.3
6	☐	250.000	256.039	587735.14	0.3176	P	0.7
7	☐	500.000	499.391	1169289.74	0.6195	A	2.4
8	☐	1000.000	998.016	2296362.66	1.2380	A	0.8
9	☐			258.89	0.0001	P	6.4

$$y = 0.0012 * x + 7.7581E-006$$

$$R = 1.0000$$

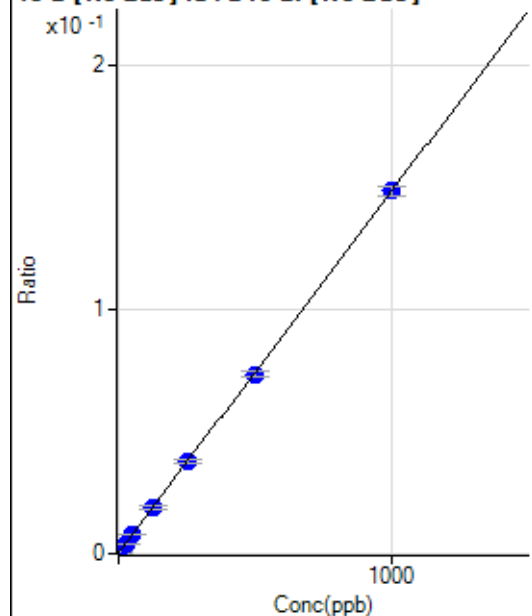
$$DL = 0.008983$$

$$BEC = 0.006254$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	608.36	0.0003	P	13.2
2	☐	2.500	2.004	1200.07	0.0006	P	10.1
3	☐	25.000	24.301	7418.62	0.0039	P	3.2
4	☐	50.000	50.467	14723.96	0.0078	P	1.6
5	☐	125.000	125.752	35391.00	0.0189	P	5.5
6	☐	250.000	253.756	69991.39	0.0378	P	3.3
7	☐	500.000	494.918	138716.86	0.0734	P	2.3
8	☐	1000.000	1001.503	275085.03	0.1483	P	2.9
9	☐			16467.40	0.0088	P	7.9

$$y = 1.4774E-004 * x + 3.2692E-004$$

$$R = 1.0000$$

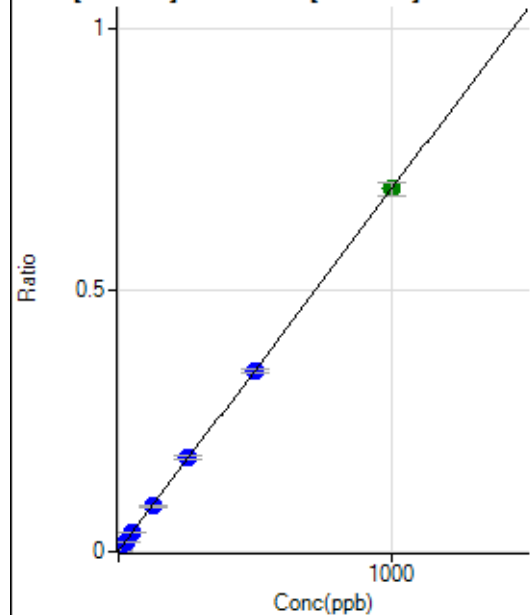
$$DL = 0.8771$$

$$BEC = 2.213$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	3214.31	0.0017	P	4.6
2	☐	2.500	2.108	6112.45	0.0032	P	8.5
3	☐	25.000	23.418	33907.14	0.0179	P	2.7
4	☐	50.000	50.603	69392.17	0.0367	P	4.3
5	☐	125.000	124.129	163711.37	0.0875	P	4.5
6	☐	250.000	256.916	331624.55	0.1792	P	3.9
7	☐	500.000	496.679	651130.20	0.3448	P	1.9
8	☐	1000.000	1000.051	1284489.96	0.6924	A	3.8
9	☐			77118.18	0.0411	P	9.9

$$y = 6.9066E-004 * x + 0.0017$$

$$R = 1.0000$$

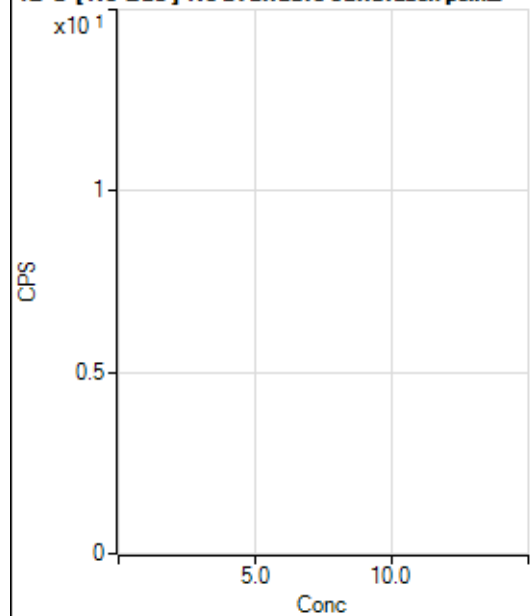
$$DL = 0.3426$$

$$BEC = 2.5$$

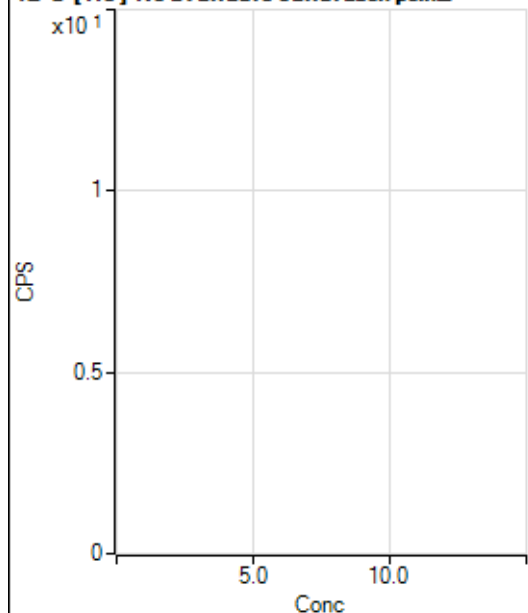
Weight: <None>

Min Conc: 0

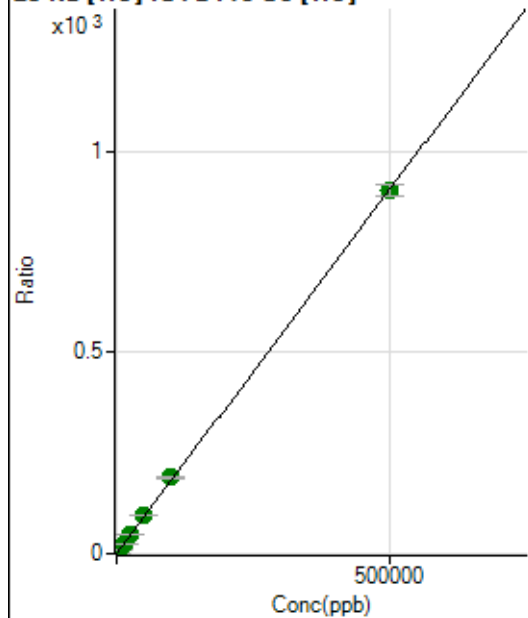
12 C [No Gas] No available calibration points



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐						
2	☐						
3	☐						
4	☐						
5	☐						
6	☐						
7	☐						
8	☐						
9	☐						

12 C [He] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐						
2	☐						
3	☐						
4	☐						
5	☐						
6	☐						
7	☐						
8	☐						
9	☐						

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	16364.40	0.0361	P	3.3
2	☐	50.000	53.703	60254.58	0.1332	P	2.9
3	☐	500.000	517.466	438869.15	0.9718	P	0.4
4	☐	5000.000	5392.691	4445097.84	9.7874	A	1.5
5	☐	12500.000	13669.210	11198650.71	24.7534	A	0.8
6	☐	25000.000	26772.771	21916559.98	48.4479	A	1.0
7	☐	50000.000	52776.729	44053812.10	95.4695	A	0.5
8	☐	100000.00	105242.27	89487696.44	190.3401	A	1.7
9	☐	500000.00	498552.05	478896462.56	901.5411	A	3.0

$$y = 0.0018 * x + 0.0361$$

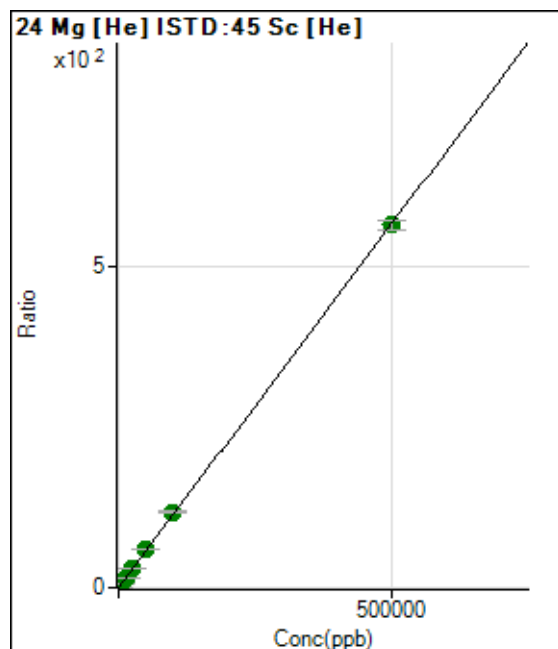
$$R = 0.9999$$

$$DL = 1.977$$

$$BEC = 19.98$$

Weight: <None>

Min Conc: 0



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	150.00	0.0003	P	13.3
2	☐	50.000	52.203	26907.15	0.0595	P	2.9
3	☐	500.000	518.704	265633.42	0.5882	P	1.0
4	☐	5000.000	5449.608	2805668.58	6.1771	A	0.8
5	☐	12500.000	13657.312	7003145.47	15.4800	A	1.2
6	☐	25000.000	26539.928	13608071.25	30.0815	A	1.1
7	☐	50000.000	52369.383	27390117.97	59.3575	A	0.8
8	☐	100000.00	103896.56	55364777.63	117.7600	A	1.6
9	☐	500000.00	498873.30	300381551.16	565.4393	A	2.7

$$y = 0.0011 * x + 3.3119E-004$$

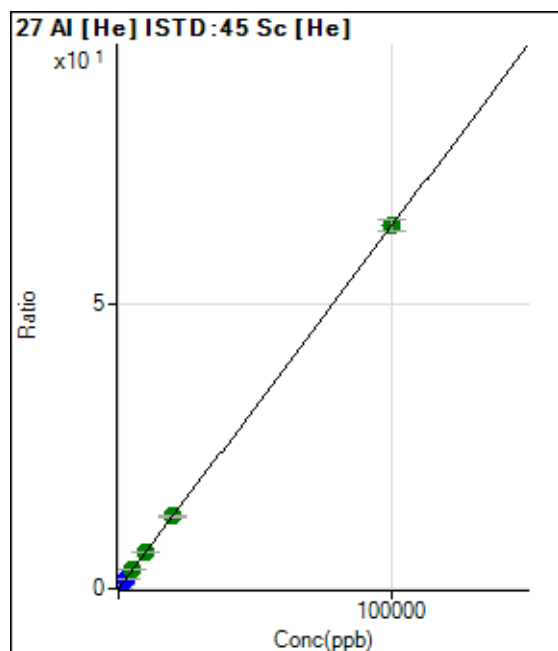
$$R = 1.0000$$

$$DL = 0.1168$$

$$BEC = 0.2922$$

Weight: <None>

Min Conc: 0



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	111.11	0.0002	P	57.7
2	☒	2.000					
3	☐	20.000	19.666	5780.80	0.0128	P	0.5
4	☐	1000.000	1030.285	298855.24	0.6580	P	1.2
5	☐	2500.000	2609.826	753923.77	1.6665	P	0.4
6	☐	5000.000	5087.189	1469359.10	3.2481	A	1.6
7	☐	10000.000	9975.191	2938856.17	6.3688	A	0.8
8	☐	20000.000	19900.287	5973712.29	12.7055	A	0.6
9	☐	100000.00	100015.01	33919522.52	63.8543	A	3.1

$$y = 6.3844E-004 * x + 2.4533E-004$$

$$R = 1.0000$$

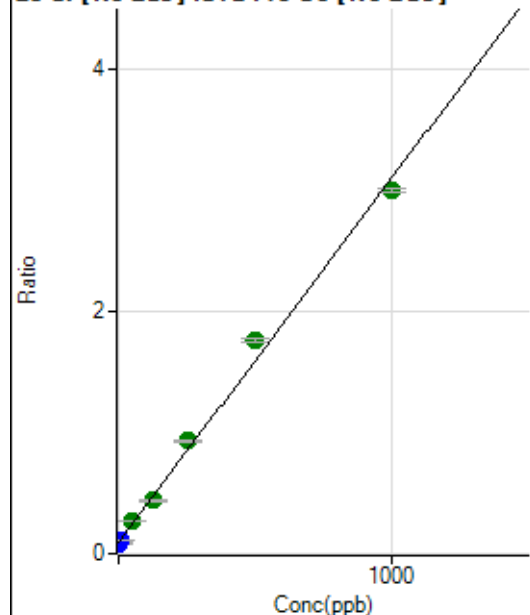
$$DL = 0.6647$$

$$BEC = 0.3843$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	441408.76	0.0915	P	0.3
2	☐	1.000	-2.054	419218.04	0.0853	P	2.2
3	☐	10.000	6.590	525601.06	0.1112	P	0.8
4	☐	50.000	59.411	1285373.52	0.2697	A	0.7
5	☐	125.000	114.831	2034537.26	0.4360	A	1.0
6	☐	250.000	278.801	4364315.85	0.9280	A	1.5
7	☐	500.000	555.900	8425836.30	1.7594	A	1.0
8	☐	1000.000	965.687	14378387.65	2.9889	A	1.1
9	☐			1153991.94	0.2297	M	6.6

$$y = 0.0030 * x + 0.0915$$

$$R = 0.9971$$

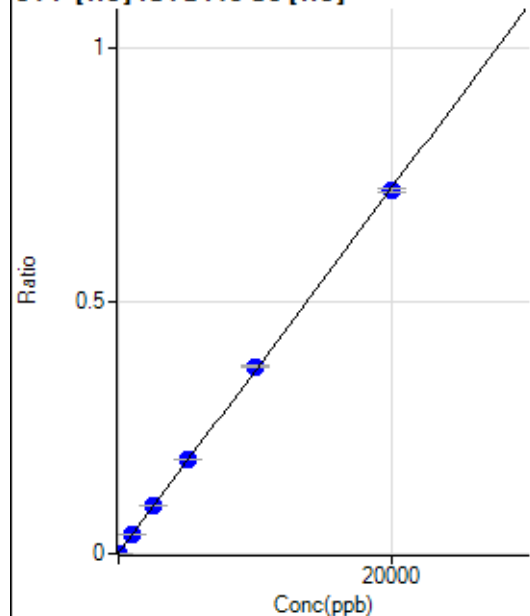
$$DL = 0.2822$$

$$BEC = 30.49$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	-6.542	452.80	0.0010	P	3.9
2	☐	0.000	-6.801	447.24	0.0010	P	11.4
3	☐	0.000	13.343	775.04	0.0017	P	10.6
4	☐	1000.000	1038.506	17577.12	0.0387	P	1.1
5	☐	2500.000	2620.847	43328.62	0.0958	P	1.0
6	☐	5000.000	5119.671	84103.19	0.1859	P	1.0
7	☐	10000.000	10199.669	170349.52	0.3692	P	0.9
8	☐	20000.000	19853.217	337297.20	0.7174	P	1.2
9	☐			691.71	0.0013	P	4.0

$$y = 3.6072E-005 * x + 0.0012$$

$$R = 0.9999$$

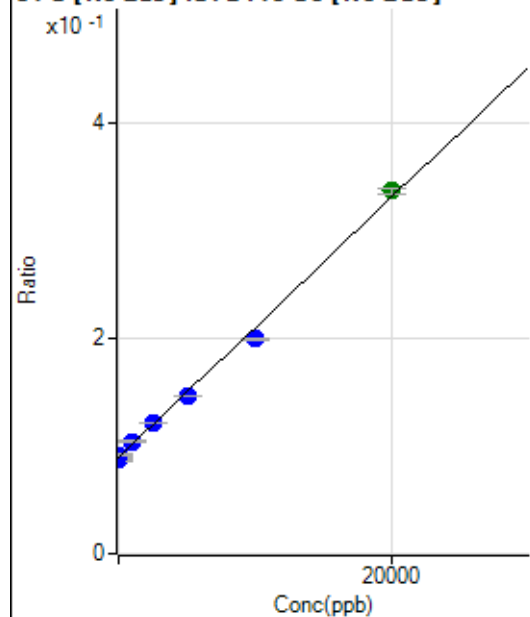
$$DL = 9.254$$

$$BEC = 34.26$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	45.841	434174.58	0.0900	P	0.7
2	☐	0.000	-228.792	425777.23	0.0867	P	2.8
3	☐	0.000	182.951	432866.48	0.0916	P	1.6
4	☐	1000.000	1219.879	496355.19	0.1042	P	1.0
5	☐	2500.000	2635.099	565827.03	0.1213	P	0.4
6	☐	5000.000	4704.857	687935.56	0.1463	P	0.5
7	☐	10000.000	9133.903	956814.44	0.1998	P	0.8
8	☐	20000.000	20478.953	1620539.04	0.3369	A	1.3
9	☐			396403.91	0.0789	P	1.5

$$y = 1.2084\text{E-}005 * x + 0.0894$$

$$R = 0.9983$$

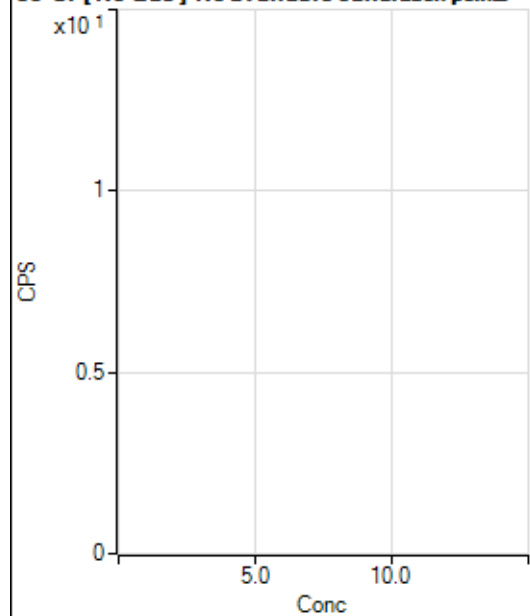
$$DL = 374.2$$

$$BEC = 7400$$

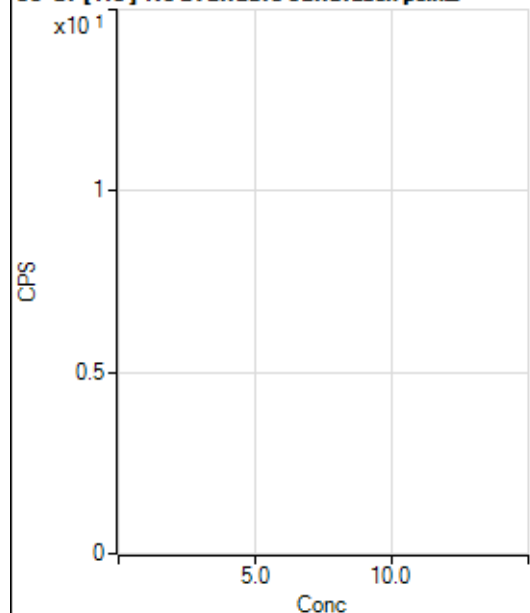
Weight: <None>

Min Conc: 0

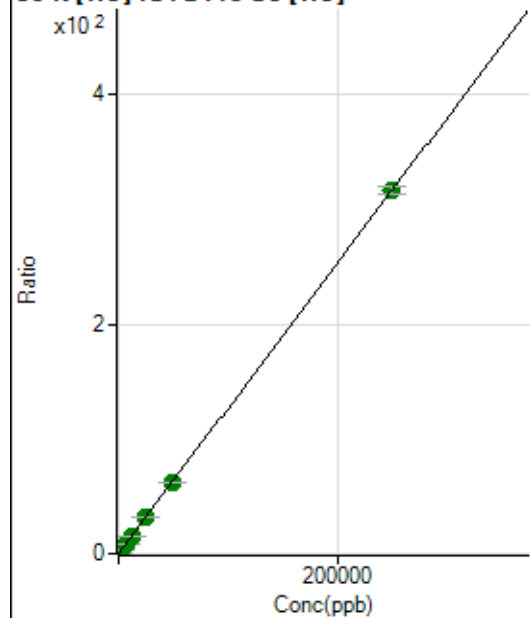
35 Cl [No Gas] No available calibration points



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐						
2	☐						
3	☐						
4	☐						
5	☐						
6	☐						
7	☐						
8	☐						
9	☐						

35 Cl [He] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐						
2	☐						
3	☐						
4	☐						
5	☐						
6	☐						
7	☐						
8	☐						
9	☐						

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	77829.73	0.1718	P	2.4
2	☐	50.000	58.825	111300.06	0.2461	P	2.9
3	☐	500.000	519.810	373912.79	0.8280	P	0.9
4	☐	2500.000	2574.241	1553957.37	3.4214	A	0.5
5	☐	6250.000	6413.546	3740372.18	8.2679	A	0.8
6	☐	12500.000	12416.367	7168485.92	15.8455	A	0.2
7	☐	25000.000	24671.155	14450587.30	31.3153	A	0.6
8	☐	50000.000	49203.249	29283701.70	62.2832	A	0.6
9	☐	250000.00	250191.54	167889902.37	315.9992	A	2.3

$$y = 0.0013 * x + 0.1718$$

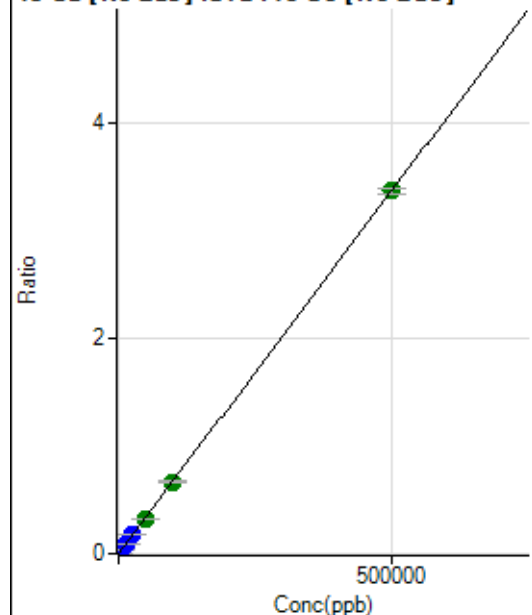
$$R = 1.0000$$

$$DL = 9.706$$

$$BEC = 136.1$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	177.78	0.0000	P	20.5
2	☐	50.000	53.192	1941.84	0.0004	P	9.3
3	☐	500.000	495.961	15955.95	0.0034	P	3.4
4	☐	5000.000	5390.209	173258.10	0.0364	P	0.8
5	☐	12500.000	13504.121	424738.43	0.0910	P	1.9
6	☐	25000.000	26466.552	838826.94	0.1784	P	0.5
7	☐	50000.000	48772.093	1573942.31	0.3286	A	0.9
8	☐	100000.00	99303.750	3218799.20	0.6691	A	0.6
9	☐	500000.00	500159.71	16926589.61	3.3699	A	1.5

$$y = 6.7376E-006 * x + 3.6809E-005$$

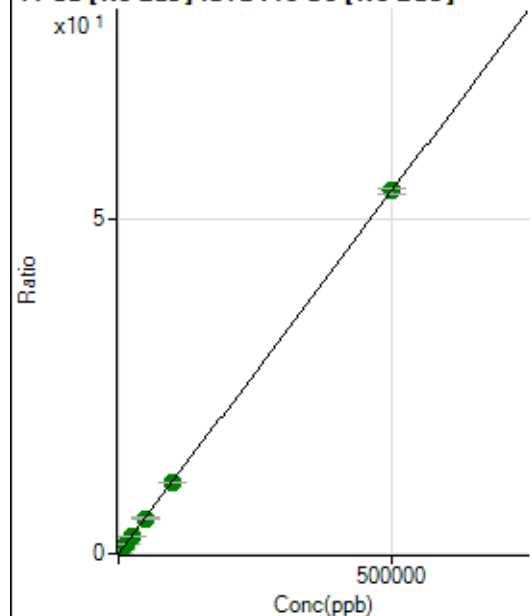
$$R = 1.0000$$

$$DL = 3.354$$

$$BEC = 5.463$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	85936.22	0.0178	P	3.0
2	☐	50.000	47.307	112693.15	0.0229	P	1.7
3	☐	500.000	499.007	339431.79	0.0719	P	1.6
4	☐	5000.000	5015.068	2673029.99	0.5610	A	1.2
5	☐	12500.000	12474.510	6387156.65	1.3688	A	0.5
6	☐	25000.000	24362.927	12493093.94	2.6564	A	0.4
7	☐	50000.000	48891.238	25444062.03	5.3128	A	0.3
8	☐	100000.00	98142.601	51216369.55	10.6469	A	0.6
9	☐	500000.00	500514.69	272368364.42	54.2247	A	1.2

$$y = 1.0830E-004 * x + 0.0178$$

$$R = 1.0000$$

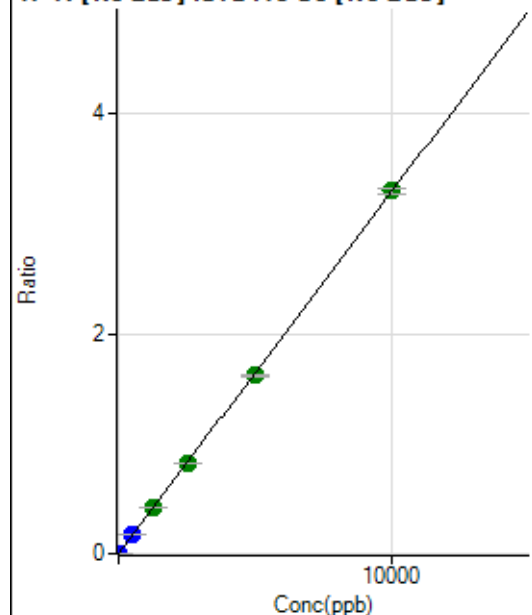
$$DL = 14.95$$

$$BEC = 164.4$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	136.11	0.0000	P	13.3
2	☐	0.500	0.504	952.83	0.0002	P	0.9
3	☐	5.000	5.062	7985.66	0.0017	P	7.6
4	☐	500.000	512.902	803432.91	0.1686	P	0.2
5	☐	1250.000	1274.578	1954666.71	0.4189	A	0.7
6	☐	2500.000	2491.085	3850464.24	0.8187	A	0.3
7	☐	5000.000	4933.622	7765011.72	1.6215	A	1.0
8	☐	10000.000	10031.700	15859000.70	3.2969	A	1.4
9	☐			2897.58	0.0006	P	13.0

$$y = 3.2865E-004 * x + 2.8224E-005$$

$$R = 1.0000$$

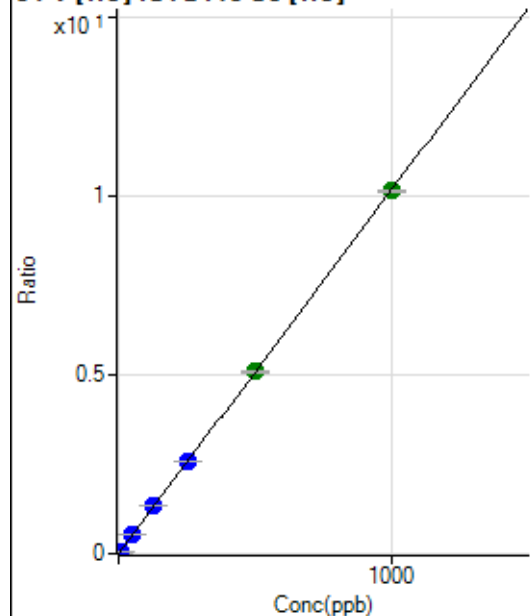
$$DL = 0.03436$$

$$BEC = 0.08588$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	12.22	0.0000	P	41.7
2	☐	0.500	0.504	2336.87	0.0052	P	4.7
3	☐	5.000	5.027	23135.61	0.0512	P	1.2
4	☐	50.000	51.524	238397.51	0.5249	P	0.6
5	☐	125.000	131.012	603770.02	1.3346	P	0.5
6	☐	250.000	255.709	1178411.38	2.6048	P	0.5
7	☐	500.000	500.623	2353433.50	5.0997	A	1.0
8	☐	1000.000	997.434	4777147.78	10.1605	A	0.8
9	☐			1185.62	0.0022	P	3.3

$$y = 0.0102 * x + 2.6991E-005$$

$$R = 1.0000$$

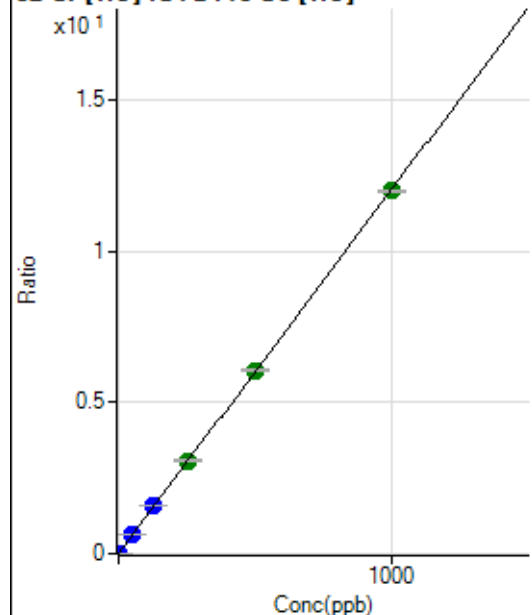
$$DL = 0.003313$$

$$BEC = 0.00265$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	2247.97	0.0050	P	2.3
2	☐	0.200	0.237	3533.78	0.0078	P	4.5
3	☐	2.000	1.991	13049.08	0.0289	P	3.4
4	☐	50.000	52.462	288648.28	0.6355	P	0.8
5	☐	125.000	132.492	722688.77	1.5975	P	0.7
6	☐	250.000	254.793	1387638.78	3.0675	A	1.3
7	☐	500.000	502.336	2788732.29	6.0429	A	1.2
8	☐	1000.000	996.574	5634386.03	11.9835	A	0.3
9	☐			74560.85	0.1404	P	3.3

$$y = 0.0120 * x + 0.0050$$

$$R = 1.0000$$

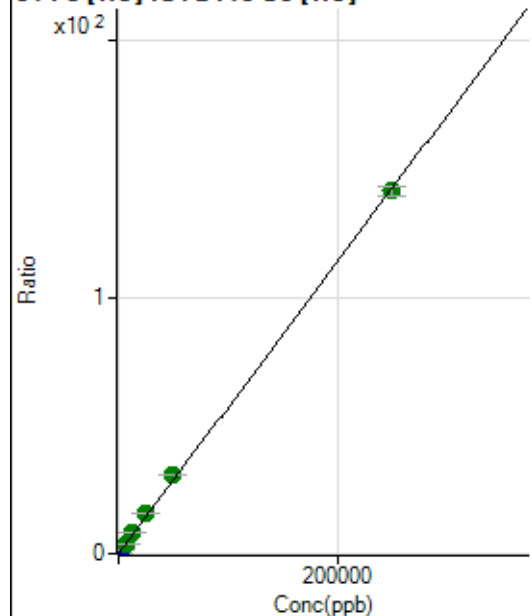
$$DL = 0.02882$$

$$BEC = 0.4129$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	1728.55	0.0038	P	4.9
2	☐	5.000	5.091	3030.11	0.0067	P	10.5
3	☐	50.000	56.485	16218.77	0.0359	P	0.6
4	☐	2500.000	2948.586	762743.22	1.6794	P	1.4
5	☐	6250.000	7218.229	1857462.15	4.1058	A	0.5
6	☐	12500.000	13935.481	3584278.14	7.9230	A	0.8
7	☐	25000.000	27277.369	7154688.39	15.5049	A	0.7
8	☐	50000.000	54239.489	14494176.48	30.8268	A	0.9
9	☐	250000.00	248823.89	75117235.42	141.4043	A	2.9

$$y = 5.6828E-004 * x + 0.0038$$

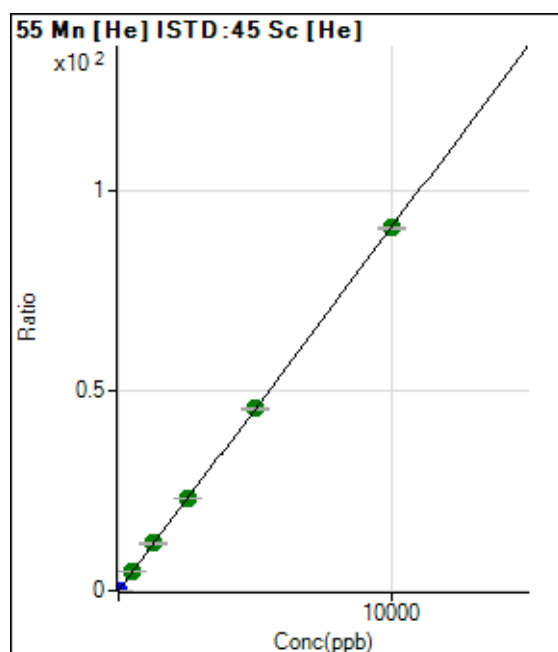
$$R = 0.9998$$

$$DL = 0.9907$$

$$BEC = 6.716$$

Weight: <None>

Min Conc: 0



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	104.44	0.0002	P	22.6
2	☒	0.100					
3	☐	1.000	1.060	4450.69	0.0099	P	1.3
4	☐	500.000	514.402	2120926.79	4.6700	A	2.1
5	☐	1250.000	1301.328	5344796.10	11.8137	A	1.6
6	☐	2500.000	2533.781	10405671.93	23.0020	A	0.6
7	☐	5000.000	5006.205	20970978.85	45.4468	A	0.7
8	☐	10000.000	9981.316	42602963.25	90.6110	A	0.3
9	☐			36985.62	0.0696	P	0.5

$$y = 0.0091 * x + 2.3059E-004$$

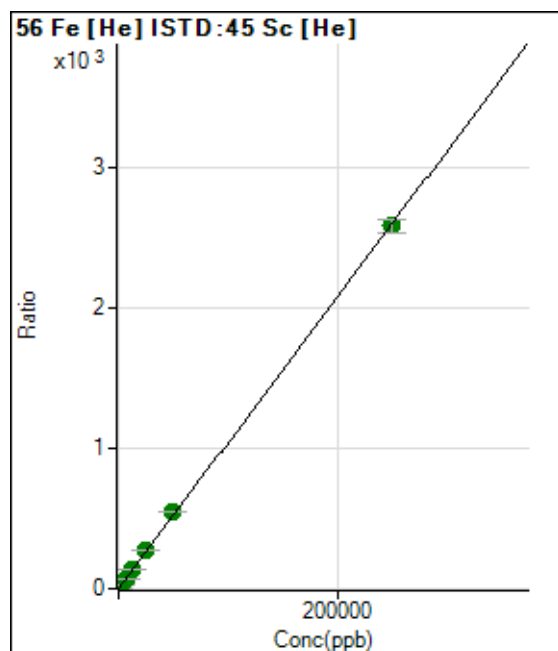
$$R = 1.0000$$

$$DL = 0.01723$$

$$BEC = 0.0254$$

Weight: <None>

Min Conc: 0



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	14535.01	0.0321	P	0.9
2	☐	5.000	5.592	40799.96	0.0902	P	3.6
3	☐	50.000	54.108	268530.25	0.5946	P	0.5
4	☐	2500.000	2764.957	13069963.48	28.7787	A	1.9
5	☐	6250.000	6979.269	32842201.89	72.5939	A	0.8
6	☐	12500.000	13565.404	63818622.26	141.0685	A	0.4
7	☐	25000.000	26858.155	128869731.58	279.2702	A	0.2
8	☐	50000.000	53229.850	260219581.74	553.4506	A	0.2
9	☐	250000.00	249094.06	1375562445.5	2,589.805	A	3.4

$$y = 0.0104 * x + 0.0321$$

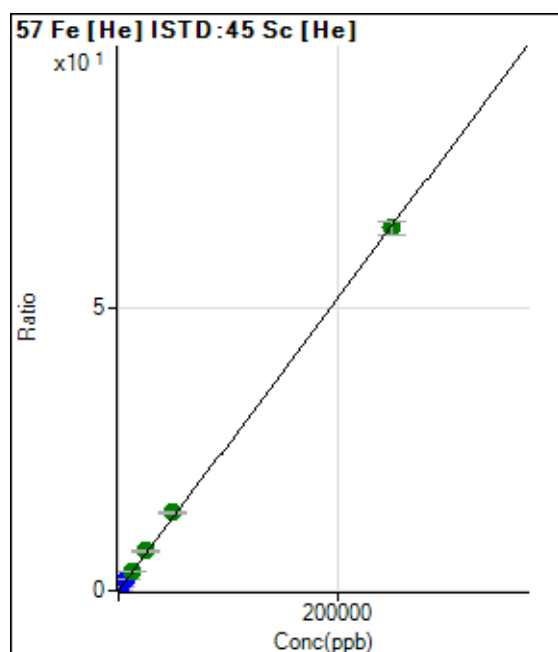
$$R = 0.9999$$

$$DL = 0.0847$$

$$BEC = 3.087$$

Weight: <None>

Min Conc: 0



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	581.50	0.0013	P	14.0
2	☐	5.000	6.088	1290.82	0.0028	P	7.6
3	☐	50.000	57.284	7229.64	0.0160	P	0.6
4	☐	2500.000	2874.595	336183.22	0.7402	P	1.5
5	☐	6250.000	7280.661	847276.81	1.8729	P	0.3
6	☐	12500.000	13682.073	1591706.91	3.5184	A	0.3
7	☐	25000.000	27104.217	3215457.30	6.9687	A	1.5
8	☐	50000.000	53622.715	6481702.58	13.7855	A	1.0
9	☐	250000.00	248976.41	33991384.32	64.0032	A	3.8

$$y = 2.5706\text{E-}004 * x + 0.0013$$

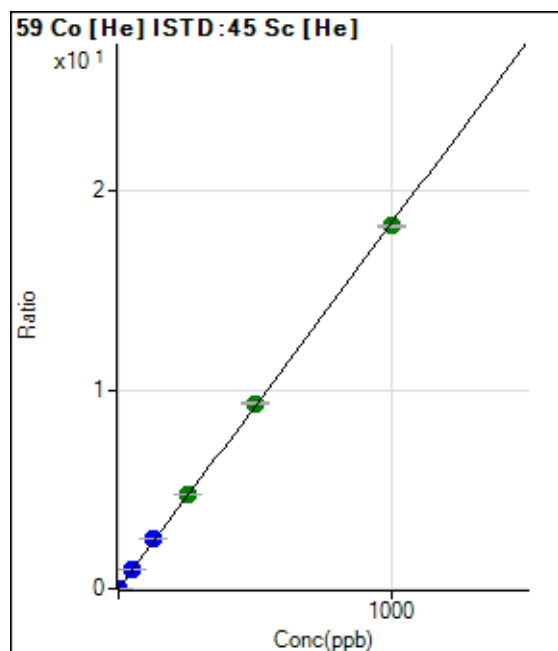
$$R = 0.9999$$

$$DL = 2.095$$

$$BEC = 4.995$$

Weight: <None>

Min Conc: 0



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	162.23	0.0004	P	13.7
2	☐	0.100	0.101	1003.38	0.0022	P	4.0
3	☐	1.000	1.037	8767.07	0.0194	P	2.4
4	☐	50.000	53.355	445667.64	0.9813	P	0.8
5	☐	125.000	134.596	1119605.37	2.4748	P	0.4
6	☐	250.000	258.476	2149892.62	4.7523	A	0.9
7	☐	500.000	507.550	4305822.06	9.3313	A	0.8
8	☐	1000.000	992.739	8581162.16	18.2512	A	0.5
9	☐			17165.47	0.0323	P	1.2

$$y = 0.0184 * x + 3.5819\text{E-}004$$

$$R = 0.9999$$

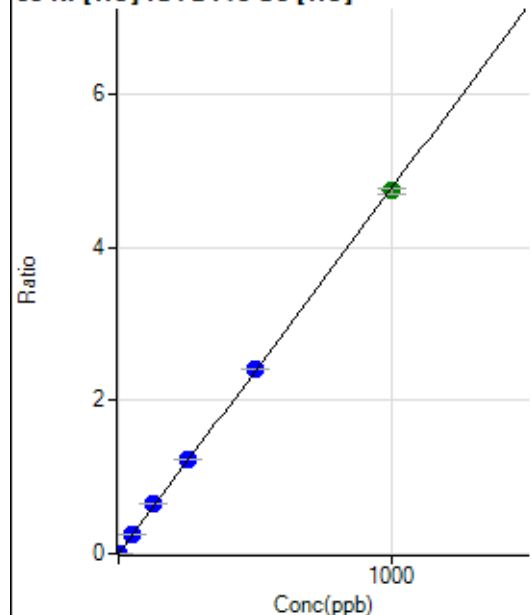
$$DL = 0.008005$$

$$BEC = 0.01948$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	34.45	0.0001	P	48.7
2	☒	0.100					
3	☐	1.000	1.019	2229.08	0.0049	P	5.5
4	☐	50.000	53.503	115886.76	0.2552	P	1.3
5	☐	125.000	134.993	291204.65	0.6437	P	0.3
6	☐	250.000	259.325	559372.17	1.2365	P	0.6
7	☐	500.000	506.177	1113640.71	2.4134	P	0.4
8	☐	1000.000	993.156	2226256.83	4.7351	A	1.3
9	☐			19566.19	0.0368	P	4.1

$$y = 0.0048 * x + 7.6057E-005$$

$$R = 0.9999$$

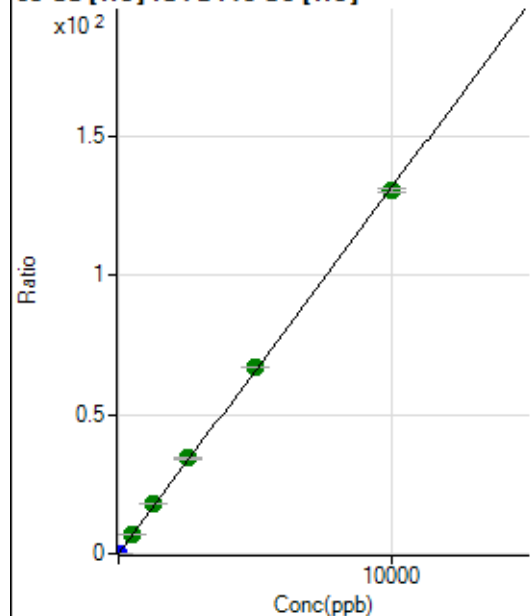
$$DL = 0.02331$$

$$BEC = 0.01595$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	1150.06	0.0025	P	5.9
2	☒	0.200					
3	☐	2.000	2.119	13746.39	0.0304	P	1.8
4	☐	500.000	540.855	3235851.65	7.1245	A	0.4
5	☐	1250.000	1349.528	8040653.21	17.7730	A	0.8
6	☐	2500.000	2610.953	15554131.57	34.3834	A	1.0
7	☐	5000.000	5087.457	30914270.10	66.9938	A	0.3
8	☐	10000.000	9914.049	61379191.86	130.5500	A	1.0
9	☐			38202.19	0.0719	P	0.8

$$y = 0.0132 * x + 0.0025$$

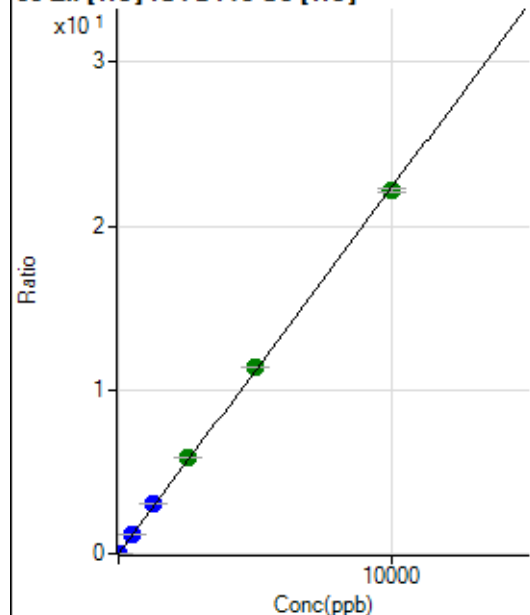
$$R = 0.9998$$

$$DL = 0.03387$$

$$BEC = 0.1928$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	321.12	0.0007	P	5.7
2	☒	0.200					
3	☐	2.000	2.337	2678.04	0.0059	P	2.4
4	☐	500.000	539.465	547602.47	1.2057	P	0.8
5	☐	1250.000	1362.971	1377622.71	3.0451	P	0.2
6	☐	2500.000	2614.916	2642683.45	5.8416	A	0.1
7	☐	5000.000	5085.089	5241611.38	11.3591	A	0.5
8	☐	10000.000	9912.632	10410403.94	22.1423	A	0.9
9	☐			18279.07	0.0344	P	1.6

$$y = 0.0022 * x + 7.0901E-004$$

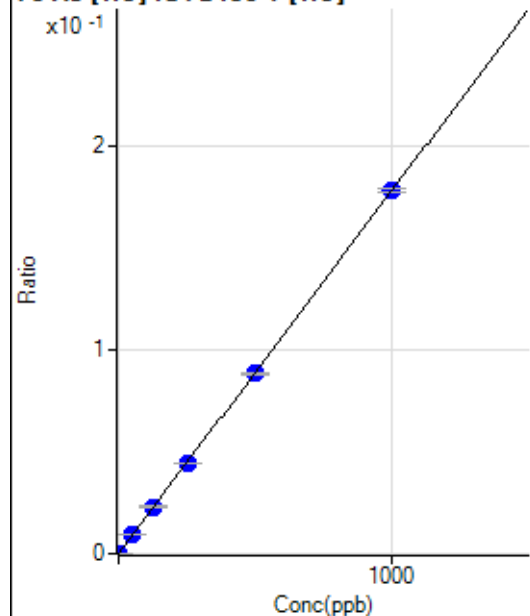
$$R = 0.9998$$

$$DL = 0.05425$$

$$BEC = 0.3174$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	9.88	0.0000	P	27.7
2	☐	0.100	0.129	96.91	0.0000	P	17.1
3	☐	1.000	1.078	719.78	0.0002	P	5.5
4	☐	50.000	51.444	34085.23	0.0091	P	1.4
5	☐	125.000	129.259	85750.72	0.0230	P	1.7
6	☐	250.000	250.614	168238.07	0.0445	P	0.7
7	☐	500.000	497.536	341627.05	0.0884	P	0.7
8	☐	1000.000	1000.474	687232.97	0.1778	P	1.0
9	☐			339.51	0.0001	P	10.1

$$y = 1.7773E-004 * x + 2.5930E-006$$

$$R = 1.0000$$

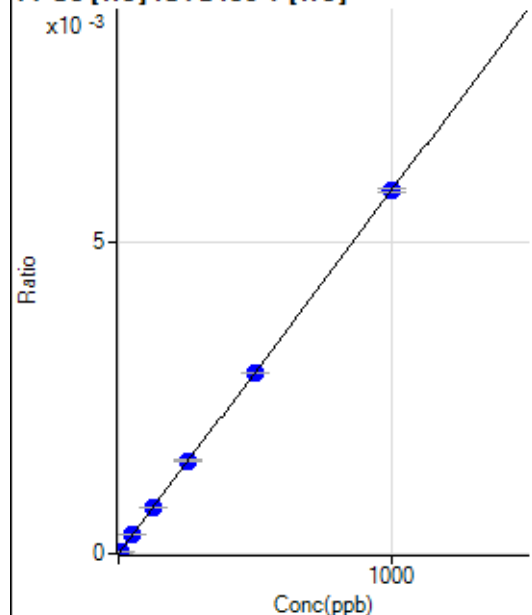
$$DL = 0.01212$$

$$BEC = 0.01459$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	1.11	0.0000	P	173.2
2	☐	0.500	0.599	14.44	0.0000	P	79.8
3	☐	5.000	4.380	95.55	0.0000	P	13.2
4	☐	50.000	54.064	1173.39	0.0003	P	5.3
5	☐	125.000	126.991	2758.06	0.0007	P	1.8
6	☐	250.000	256.411	5633.35	0.0015	P	3.6
7	☐	500.000	497.652	11184.29	0.0029	P	0.6
8	☐	1000.000	999.122	22461.58	0.0058	P	1.2
9	☐			6.67	0.0000	P	52.2

$$y = 5.8166E-006 * x + 2.9489E-007$$

$$R = 1.0000$$

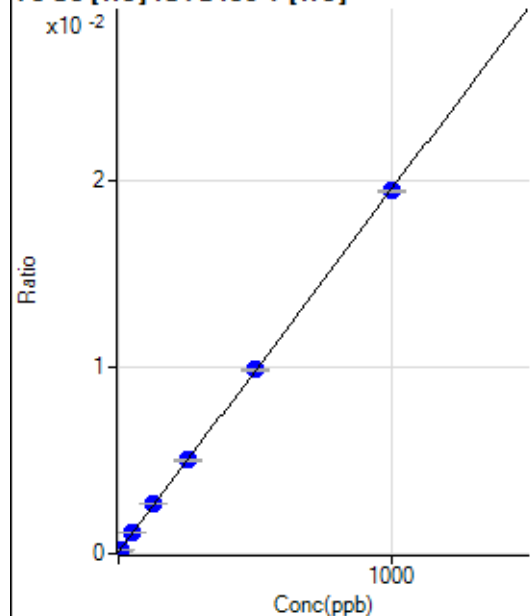
$$DL = 0.2634$$

$$BEC = 0.0507$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	329.02	0.0001	P	2.9
2	☐	0.500	0.370	356.18	0.0001	P	8.2
3	☐	5.000	5.117	688.29	0.0002	P	6.6
4	☐	50.000	52.510	4121.58	0.0011	P	1.1
5	☐	125.000	131.886	9879.26	0.0026	P	0.8
6	☐	250.000	253.926	18944.84	0.0050	P	1.2
7	☐	500.000	504.072	38141.43	0.0099	P	1.0
8	☐	1000.000	995.996	75064.97	0.0194	P	0.8
9	☐			355.56	0.0001	P	3.9

$$y = 1.9413E-005 * x + 8.6512E-005$$

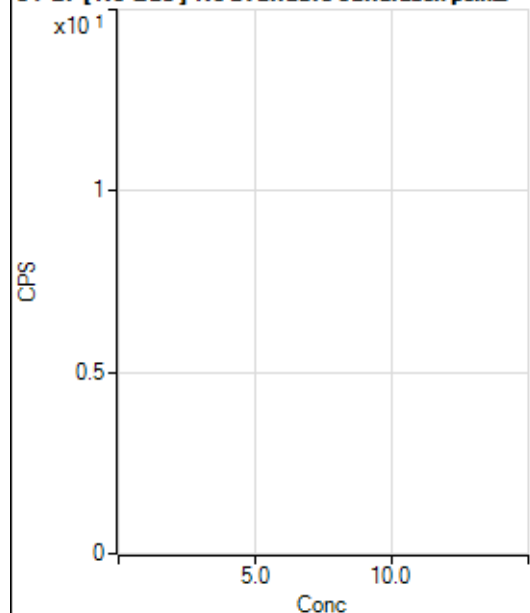
$$R = 1.0000$$

$$DL = 0.3891$$

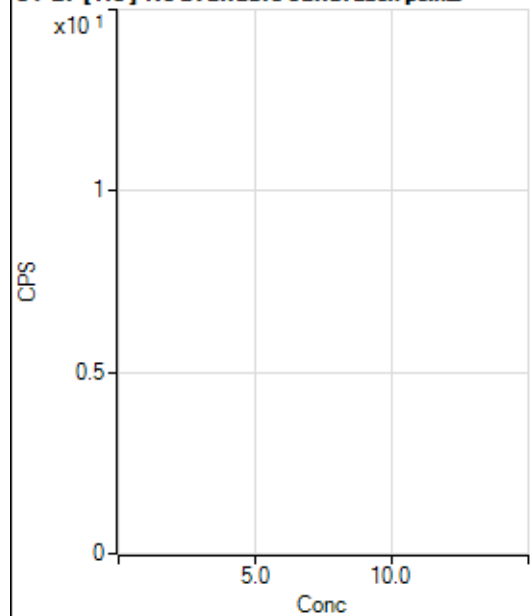
$$BEC = 4.456$$

Weight: <None>

Min Conc: 0

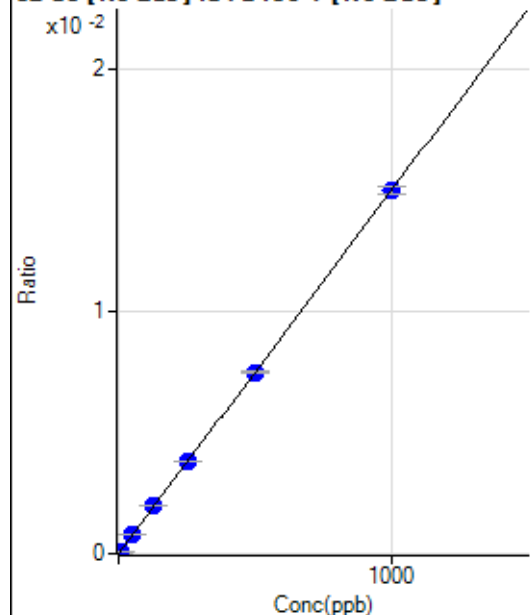
81 Br [No Gas] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t.	RSD
1	☐			12241.59		P	1.8
2	☐			12433.38		P	1.9
3	☐			12088.59		P	2.3
4	☐			11927.36		P	3.2
5	☐			11560.36		P	0.4
6	☐			11919.01		P	2.2
7	☐			12338.79		P	6.9
8	☐			12444.49		P	4.5
9	☐			13242.39		P	5.8

81 Br [He] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t.	RSD
1	☐			110.12		P	56.8
2	☐			90.09		P	19.2
3	☐			110.11		P	39.6
4	☐			63.40		P	24.1
5	☐			100.10		P	0.0
6	☐			90.09		P	33.3
7	☐			120.12		P	46.4
8	☐			106.78		P	54.9
9	☐			173.51		P	26.6

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	-222.51	0.0000	P	-86.0
2	☒	0.500					
3	☐	5.000	5.046	770.52	0.0001	P	15.4
4	☐	50.000	51.673	10074.87	0.0008	P	3.3
5	☐	125.000	130.616	25371.88	0.0019	P	1.1
6	☐	250.000	252.400	50100.92	0.0038	P	0.6
7	☐	500.000	499.671	100791.81	0.0075	P	0.8
8	☐	1000.000	998.779	201486.71	0.0150	P	2.0
9	☐			-68.48	0.0000	P	-642.

$$y = 1.4991\text{E-}005 * x - 1.6614\text{E-}005$$

$$R = 1.0000$$

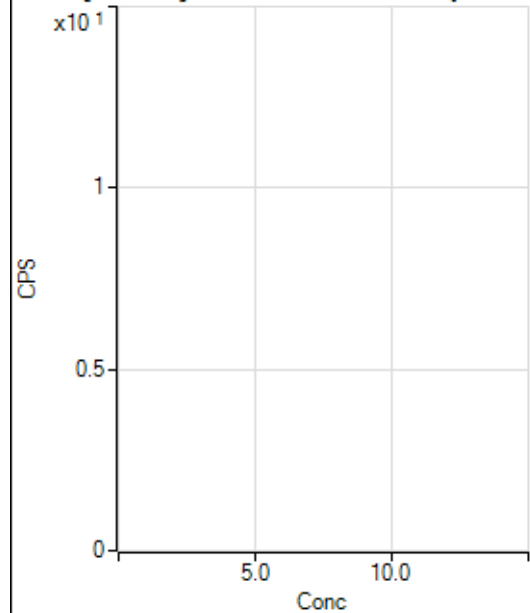
$$DL = 2.858$$

$$BEC = -1.108$$

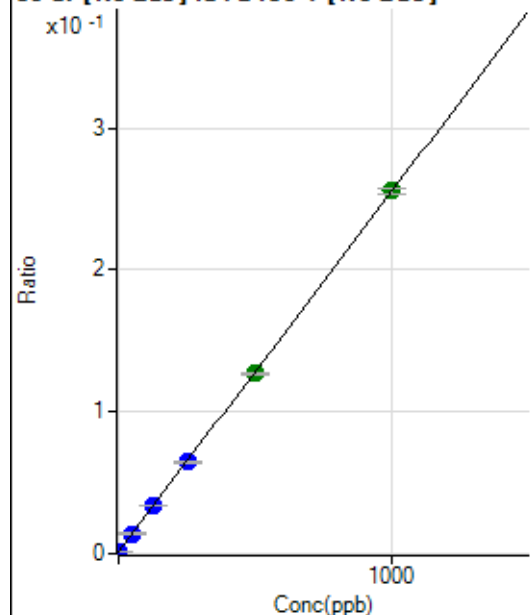
Weight: <None>

Min Conc: 0

83 Kr [No Gas] No available calibration points



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐			10429.33		P	0.5
2	☐			10478.24		P	1.2
3	☐			10208.05		P	1.6
4	☐			10130.23		P	3.5
5	☐			9937.87		P	0.8
6	☐			9997.90		P	1.5
7	☐			10168.02		P	2.9
8	☐			10030.14		P	1.0
9	☐			10762.88		P	1.7

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	16387.18	0.0012	P	1.4
2	☐	0.100	-0.126	16314.91	0.0012	P	1.4
3	☐	1.000	0.956	19135.21	0.0015	P	0.5
4	☐	50.000	50.668	187288.89	0.0141	P	2.1
5	☐	125.000	129.296	445042.22	0.0341	P	1.5
6	☐	250.000	249.284	858073.85	0.0645	P	1.3
7	☐	500.000	495.643	1713699.34	0.1271	A	1.0
8	☐	1000.000	1001.787	3443674.21	0.2556	A	1.2
9	☐			42072.00	0.0031	P	2.7

$$y = 2.5393\text{E-}004 * x + 0.0012$$

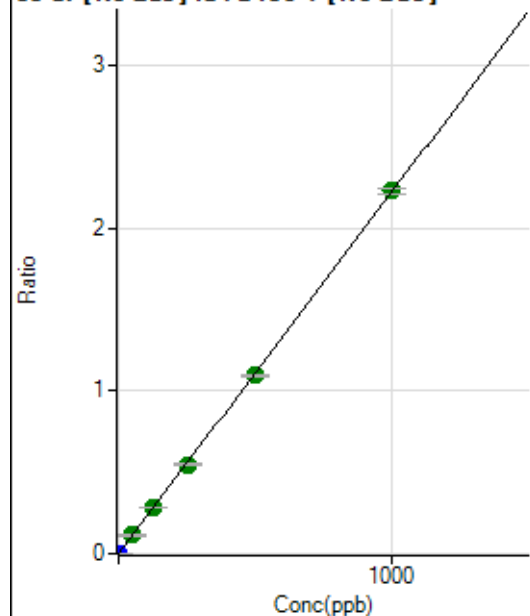
$$R = 1.0000$$

$$DL = 0.2019$$

$$BEC = 4.819$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	188.89	0.0000	P	15.7
2	☐	0.100	0.102	3300.45	0.0002	P	5.9
3	☐	1.000	0.983	28703.71	0.0022	P	2.9
4	☐	50.000	50.716	1499222.02	0.1128	A	2.1
5	☐	125.000	128.259	3727182.68	0.2852	A	1.4
6	☐	250.000	246.880	7300765.70	0.5490	A	1.1
7	☐	500.000	493.021	14783788.87	1.0963	A	0.8
8	☐	1000.000	1003.826	30071298.94	2.2321	A	1.5
9	☐			216031.59	0.0161	P	2.9

$$y = 0.0022 * x + 1.4107\text{E-}005$$

$$R = 1.0000$$

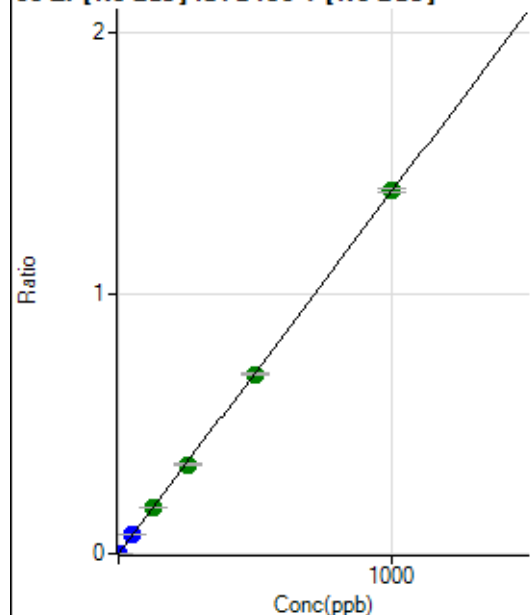
$$DL = 0.002982$$

$$BEC = 0.006344$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	791.71	0.0001	P	9.2
2	☐	0.100	0.093	2578.08	0.0002	P	5.2
3	☐	1.000	0.952	18064.37	0.0014	P	6.2
4	☐	50.000	50.735	939164.89	0.0706	P	0.7
5	☐	125.000	128.166	2330789.40	0.1784	A	0.2
6	☐	250.000	247.066	4571699.62	0.3438	A	0.7
7	☐	500.000	495.470	9295622.78	0.6893	A	1.6
8	☐	1000.000	1002.566	18791057.19	1.3947	A	1.0
9	☐			10654.12	0.0008	P	4.3

$$y = 0.0014 * x + 5.9126E-005$$

$$R = 1.0000$$

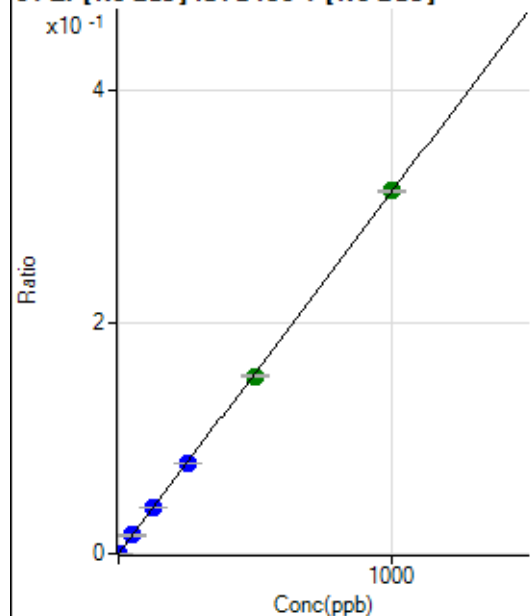
$$DL = 0.01179$$

$$BEC = 0.0425$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	136.12	0.0000	P	30.7
2	☐	0.100	0.097	552.80	0.0000	P	1.9
3	☐	1.000	0.985	4147.91	0.0003	P	5.1
4	☐	50.000	50.551	210110.94	0.0158	P	0.8
5	☐	125.000	128.968	526687.37	0.0403	P	0.9
6	☐	250.000	251.298	1044252.33	0.0785	P	0.7
7	☐	500.000	491.478	2070786.55	0.1536	A	1.9
8	☐	1000.000	1003.413	4223948.36	0.3135	A	0.3
9	☐			2247.45	0.0002	P	2.2

$$y = 3.1242E-004 * x + 1.0163E-005$$

$$R = 0.9999$$

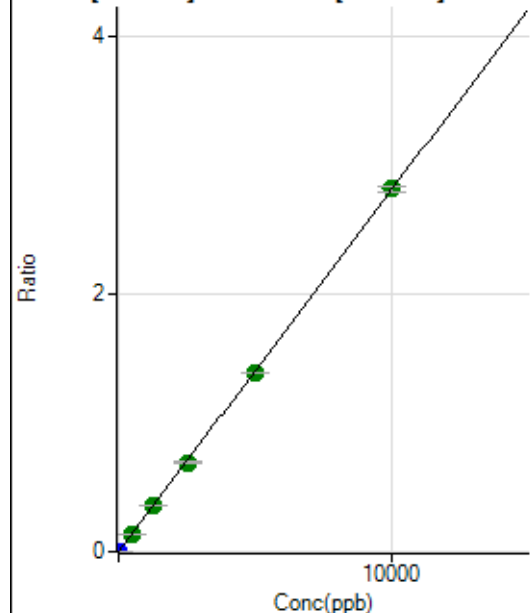
$$DL = 0.03$$

$$BEC = 0.03253$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	269.45	0.0000	P	1.7
2	☐	0.500	0.568	2453.05	0.0002	P	6.4
3	☐	5.000	5.907	21863.95	0.0017	P	1.3
4	☐	500.000	497.962	1855654.23	0.1396	A	1.9
5	☐	1250.000	1270.422	4653771.76	0.3561	A	0.4
6	☐	2500.000	2471.824	9214357.67	0.6929	A	0.6
7	☐	5000.000	4944.237	18688536.18	1.3859	A	0.7
8	☐	10000.000	10032.474	37884633.49	2.8120	A	1.4
9	☐			14554.85	0.0011	P	2.0

$$y = 2.8029E-004 * x + 2.0120E-005$$

$$R = 1.0000$$

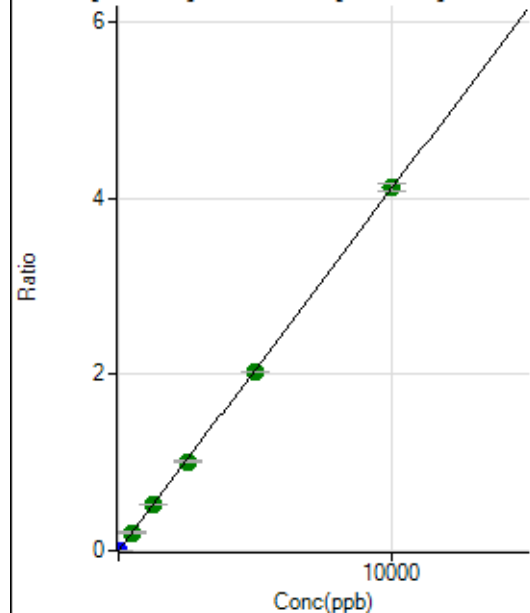
$$DL = 0.00375$$

$$BEC = 0.07178$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	41.67	0.0000	P	53.0
2	☐	0.500	0.502	2864.24	0.0002	P	11.9
3	☐	5.000	4.994	26819.62	0.0021	P	1.2
4	☐	500.000	502.317	2744104.88	0.2064	A	1.9
5	☐	1250.000	1282.675	6888591.00	0.5271	A	0.4
6	☐	2500.000	2467.611	13485889.28	1.0141	A	1.0
7	☐	5000.000	4946.898	27414517.28	2.0329	A	0.7
8	☐	10000.000	10030.448	55529740.48	4.1220	A	2.1
9	☐			19552.38	0.0015	P	2.4

$$y = 4.1095E-004 * x + 3.1131E-006$$

$$R = 1.0000$$

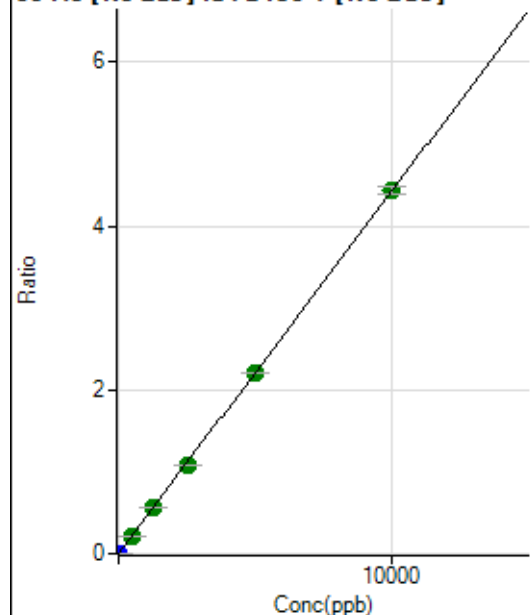
$$DL = 0.01204$$

$$BEC = 0.007575$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	402.80	0.0000	P	26.9
2	☐	0.500	0.484	3339.35	0.0002	P	9.0
3	☐	5.000	5.224	30521.24	0.0023	P	2.0
4	☐	500.000	498.329	2928650.58	0.2203	A	2.3
5	☐	1250.000	1276.462	7374790.44	0.5643	A	0.3
6	☐	2500.000	2451.734	14414638.86	1.0839	A	0.7
7	☐	5000.000	4980.572	29692318.37	2.2018	A	0.3
8	☐	10000.000	10018.556	59666079.11	4.4290	A	2.0
9	☐			26533.00	0.0020	P	2.2

$$y = 4.4208\text{E-}004 * x + 3.0089\text{E-}005$$

$$R = 1.0000$$

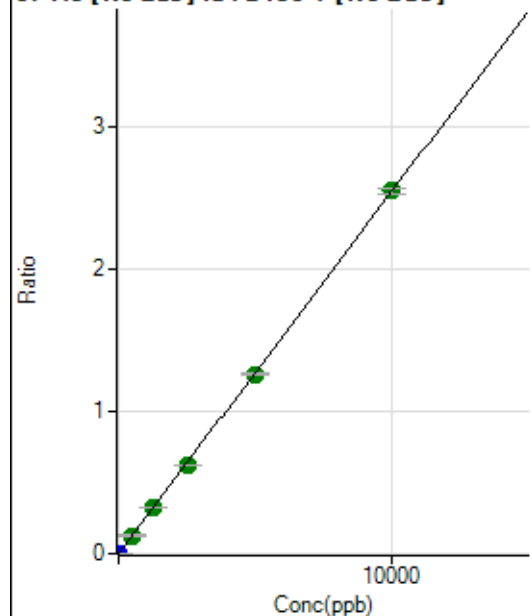
$$DL = 0.0549$$

$$BEC = 0.06806$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	30.56	0.0000	P	31.3
2	☐	0.500	0.465	1647.36	0.0001	P	8.5
3	☐	5.000	4.965	16470.77	0.0013	P	3.4
4	☐	500.000	499.102	1684259.55	0.1267	A	2.5
5	☐	1250.000	1278.441	4241581.99	0.3246	A	0.6
6	☐	2500.000	2453.104	8282566.33	0.6228	A	1.1
7	☐	5000.000	4957.414	16972217.05	1.2586	A	0.6
8	☐	10000.000	10029.506	34303745.21	2.5463	A	1.5
9	☐			11994.14	0.0009	P	1.8

$$y = 2.5388\text{E-}004 * x + 2.2808\text{E-}006$$

$$R = 1.0000$$

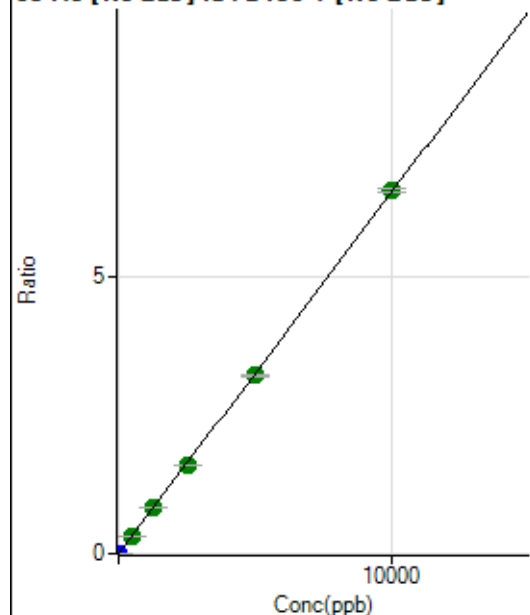
$$DL = 0.008435$$

$$BEC = 0.008984$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	152.78	0.0000	P	35.1
2	☐	0.500	0.494	4556.38	0.0003	P	1.1
3	☐	5.000	5.086	43359.53	0.0033	P	2.0
4	☐	500.000	500.117	4328494.93	0.3256	A	2.0
5	☐	1250.000	1273.440	10835086.18	0.8291	A	0.6
6	☐	2500.000	2453.031	21239511.06	1.5971	A	1.2
7	☐	5000.000	4928.424	43270862.43	3.2088	A	0.7
8	☐	10000.000	10044.594	88107526.27	6.5397	A	1.1
9	☐			29783.71	0.0022	P	1.0

$$y = 6.5107\text{E-}004 * x + 1.1409\text{E-}005$$

$$R = 0.9999$$

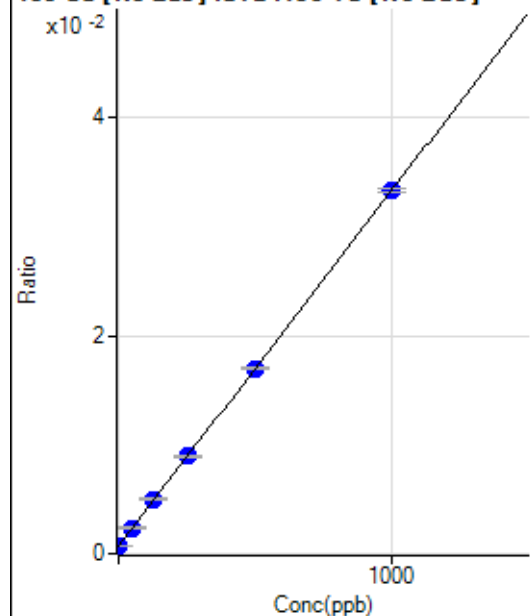
$$DL = 0.01843$$

$$BEC = 0.01752$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	6423.81	0.0007	P	7.5
2	☐	0.100	-1.264	6132.02	0.0007	P	3.9
3	☐	1.000	-0.226	6270.96	0.0007	P	4.6
4	☐	50.000	51.454	21744.66	0.0024	P	4.0
5	☐	125.000	131.210	45287.95	0.0050	P	2.8
6	☐	250.000	252.662	83012.44	0.0089	P	1.3
7	☐	500.000	498.239	160801.30	0.0169	P	1.0
8	☐	1000.000	999.368	312087.10	0.0333	P	1.0
9	☐			6379.33	0.0007	P	6.0

$$y = 3.2609\text{E-}005 * x + 7.0284\text{E-}004$$

$$R = 1.0000$$

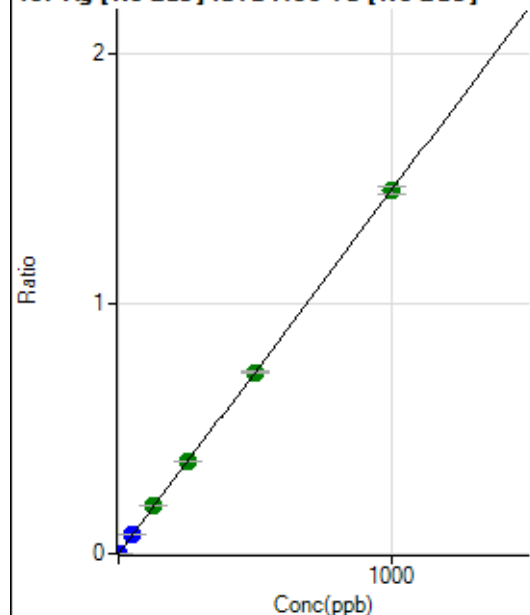
$$DL = 4.876$$

$$BEC = 21.55$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	58.34	0.0000	P	24.0
2	☐	0.100	0.092	1297.32	0.0001	P	1.3
3	☐	1.000	1.033	13615.03	0.0015	P	3.2
4	☐	50.000	53.317	709108.77	0.0776	P	0.3
5	☐	125.000	131.783	1744357.16	0.1919	A	0.3
6	☐	250.000	254.188	3435847.04	0.3701	A	1.2
7	☐	500.000	498.751	6889416.65	0.7262	A	0.7
8	☐	1000.000	998.564	13629583.55	1.4540	A	2.0
9	☐			4739.80	0.0005	P	5.2

$$y = 0.0015 * x + 6.3763E-006$$

$$R = 1.0000$$

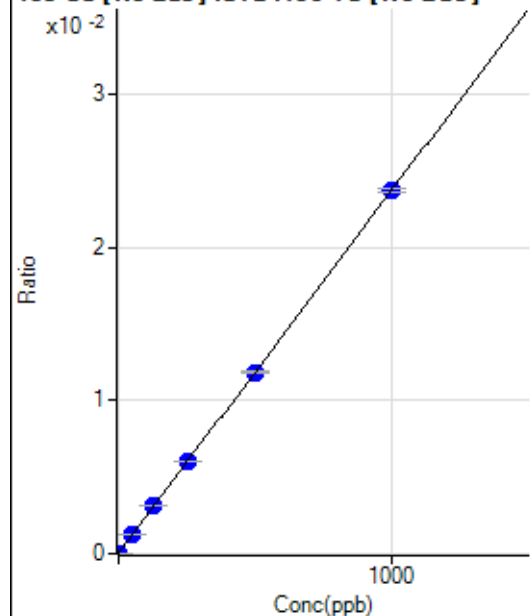
$$DL = 0.003148$$

$$BEC = 0.004379$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	277.78	0.0000	P	45.7
2	☐	0.100	0.912	480.57	0.0001	P	21.7
3	☐	1.000	0.463	372.23	0.0000	P	7.0
4	☐	50.000	51.627	11456.02	0.0013	P	1.1
5	☐	125.000	130.996	28508.72	0.0031	P	0.5
6	☐	250.000	252.646	55889.30	0.0060	P	1.3
7	☐	500.000	498.633	112444.77	0.0119	P	0.8
8	☐	1000.000	999.191	222366.51	0.0237	P	1.1
9	☐			231.95	0.0000	P	5.9

$$y = 2.3710E-005 * x + 3.0313E-005$$

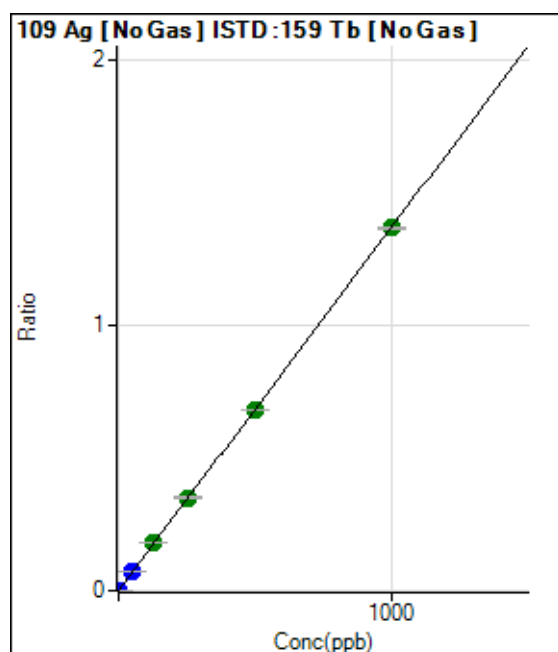
$$R = 1.0000$$

$$DL = 1.754$$

$$BEC = 1.279$$

Weight: <None>

Min Conc: 0



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	27.78	0.0000	P	74.7
2	☐	0.100	0.095	1236.20	0.0001	P	9.4
3	☐	1.000	1.041	12878.28	0.0014	P	2.9
4	☐	50.000	53.622	670889.08	0.0735	P	0.8
5	☐	125.000	134.000	1668574.17	0.1836	A	0.8
6	☐	250.000	255.262	3245484.69	0.3497	A	2.0
7	☐	500.000	497.605	6466314.64	0.6816	A	0.3
8	☐	1000.000	998.576	12822688.92	1.3678	A	0.8
9	☐			4567.52	0.0005	P	0.8

$$y = 0.0014 * x + 3.0328E-006$$

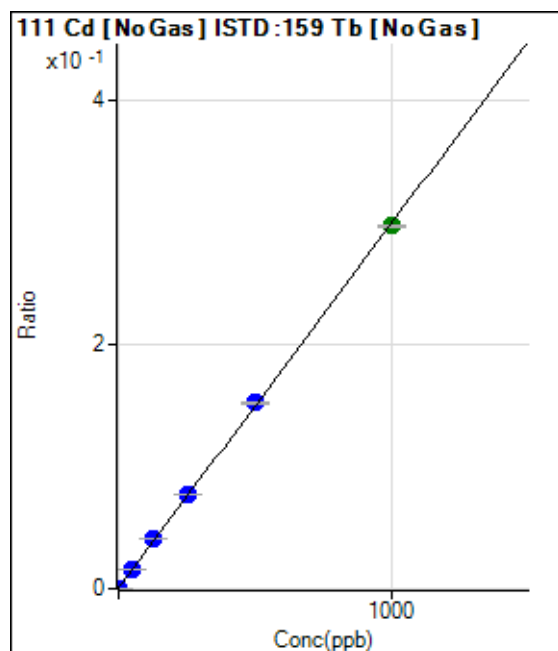
$$R = 0.9999$$

$$DL = 0.004964$$

$$BEC = 0.002214$$

Weight: <None>

Min Conc: 0



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	4328.61	0.0005	P	5.8
2	☒	0.100					
3	☐	1.000	0.994	6943.31	0.0008	P	2.8
4	☐	50.000	52.690	147812.41	0.0162	P	0.6
5	☐	125.000	134.766	369564.36	0.0407	P	0.8
6	☐	250.000	257.308	716538.53	0.0772	P	1.5
7	☐	500.000	507.340	1439463.24	0.1517	P	0.8
8	☐	1000.000	993.148	2780262.09	0.2966	A	0.6
9	☐			5124.04	0.0006	P	6.3

$$y = 2.9815E-004 * x + 4.7365E-004$$

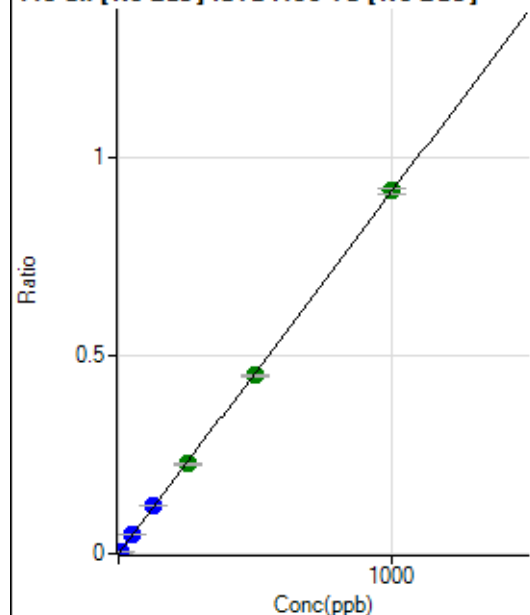
$$R = 0.9999$$

$$DL = 0.2753$$

$$BEC = 1.589$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	947.28	0.0001	P	16.4
2	☐	0.500	0.520	5359.50	0.0006	P	3.7
3	☐	5.000	4.996	42031.34	0.0047	P	4.0
4	☐	50.000	51.754	432443.87	0.0473	P	0.8
5	☐	125.000	131.340	1090894.84	0.1200	P	0.8
6	☐	250.000	248.448	2105901.37	0.2269	A	2.8
7	☐	500.000	492.726	4268086.60	0.4499	A	1.6
8	☐	1000.000	1003.145	8585687.17	0.9159	A	1.3
9	☐			6496.09	0.0007	P	1.0

$$y = 9.1289\text{E-}004 * x + 1.0363\text{E-}004$$

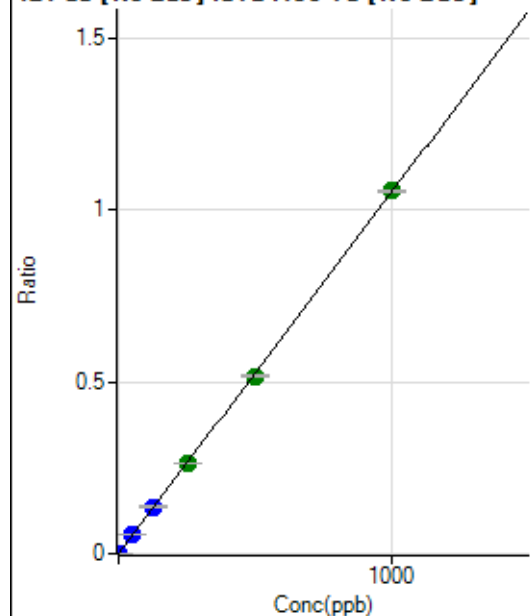
$$R = 0.9999$$

$$DL = 0.05587$$

$$BEC = 0.1135$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	41.67	0.0000	P	20.3
2	☐	0.200	0.192	1916.85	0.0002	P	10.6
3	☐	2.000	1.988	18879.51	0.0021	P	1.5
4	☐	50.000	50.935	489062.85	0.0535	P	0.5
5	☐	125.000	130.040	1242615.59	0.1367	P	1.3
6	☐	250.000	248.935	2429016.22	0.2617	A	1.2
7	☐	500.000	491.831	4904287.78	0.5170	A	1.2
8	☐	1000.000	1003.674	9889873.75	1.0550	A	0.4
9	☐			8127.50	0.0009	P	4.4

$$y = 0.0011 * x + 4.5641\text{E-}006$$

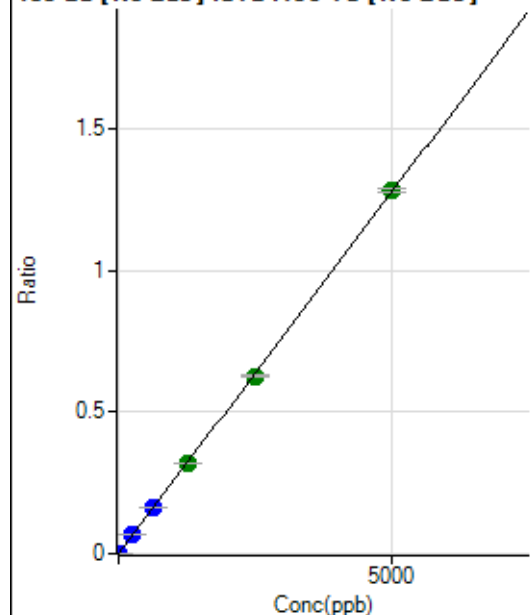
$$R = 0.9999$$

$$DL = 0.002648$$

$$BEC = 0.004342$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	25.00	0.0000	P	34.3
2	☐	1.000	0.977	2330.81	0.0003	P	8.9
3	☐	10.000	9.841	22632.41	0.0025	P	2.8
4	☐	250.000	256.274	596602.48	0.0653	P	0.2
5	☐	625.000	645.791	1496269.95	0.1646	P	0.5
6	☐	1250.000	1250.804	2959156.03	0.3188	A	1.9
7	☐	2500.000	2453.289	5931806.47	0.6253	A	1.1
8	☐	5000.000	5020.242	11994867.97	1.2795	A	0.9
9	☐			5334.47	0.0006	P	4.9

$$y = 2.5487\text{E-}004 * x + 2.7432\text{E-}006$$

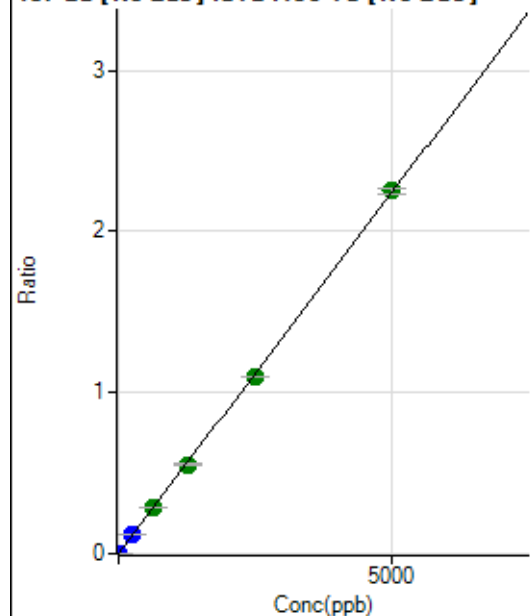
$$R = 0.9999$$

$$DL = 0.01108$$

$$BEC = 0.01076$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	33.34	0.0000	P	49.2
2	☐	1.000	0.995	4167.40	0.0004	P	8.0
3	☐	10.000	9.757	39436.17	0.0044	P	2.3
4	☐	250.000	254.712	1042492.10	0.1141	P	1.0
5	☐	625.000	642.883	2618921.65	0.2881	A	0.7
6	☐	1250.000	1234.896	5137133.97	0.5534	A	1.3
7	☐	2500.000	2449.484	10413718.63	1.0977	A	0.5
8	☐	5000.000	5026.563	21116288.49	2.2526	A	1.3
9	☐			9545.14	0.0011	P	1.6

$$y = 4.4813\text{E-}004 * x + 3.6369\text{E-}006$$

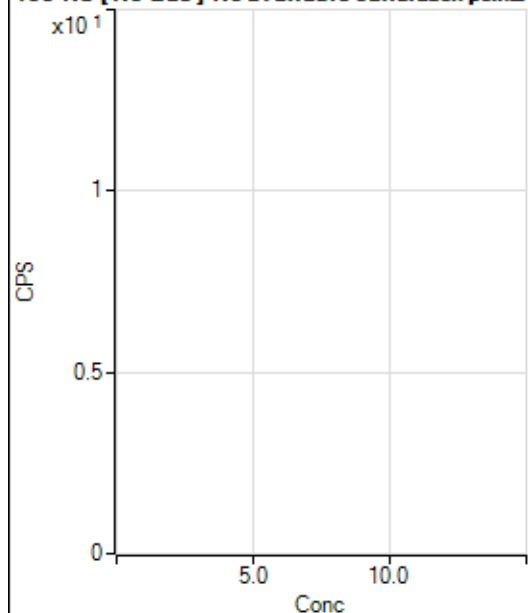
$$R = 0.9999$$

$$DL = 0.01197$$

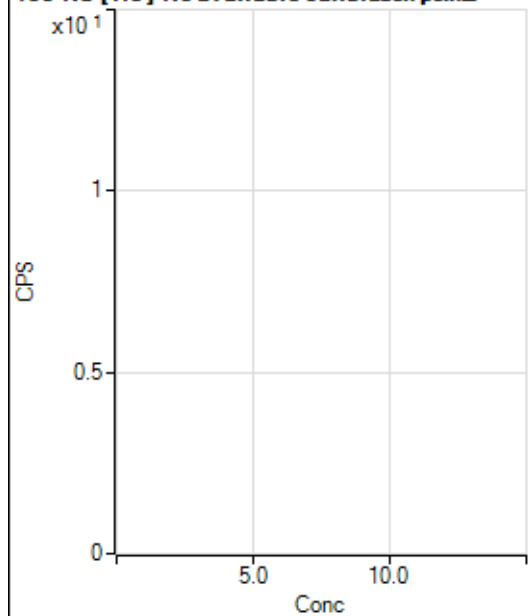
$$BEC = 0.008116$$

Weight: <None>

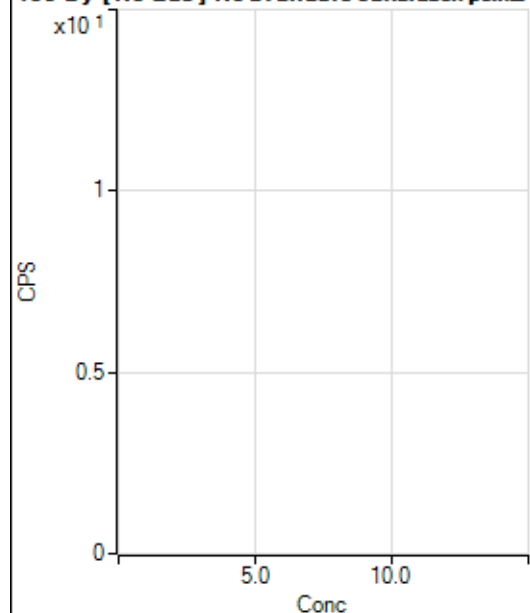
Min Conc: 0

150 Nd [No Gas] No available calibration points

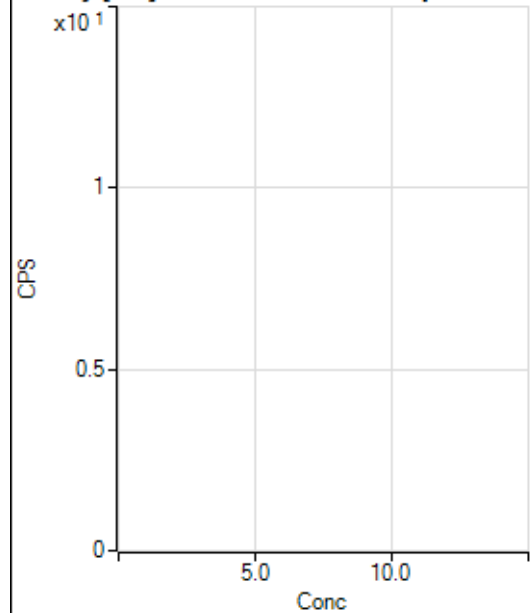
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐			4.45		P	86.6
2	☐			6.67		P	0.0
3	☐			4.45		P	86.6
4	☐			40.00		P	44.1
5	☐			131.12		P	17.9
6	☐			228.89		P	8.9
7	☐			404.46		P	15.0
8	☐			817.82		P	13.5
9	☐			91.11		P	30.5

150 Nd [He] No available calibration points

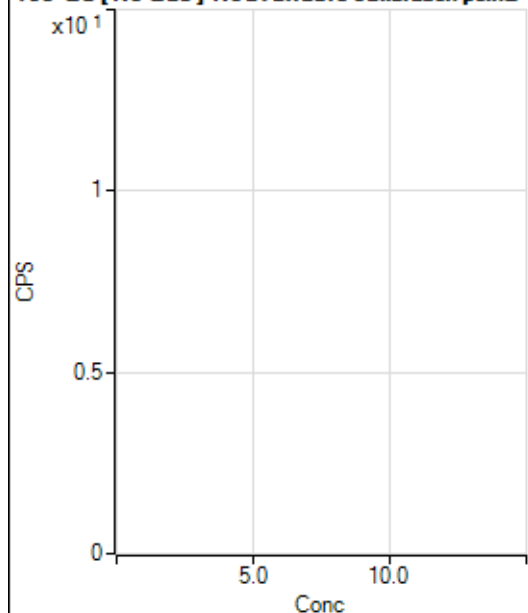
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐			1.11		P	173.2
2	☐			1.11		P	173.2
3	☐			1.11		P	173.2
4	☐			10.00		P	57.7
5	☐			18.89		P	20.4
6	☐			37.78		P	39.8
7	☐			70.00		P	25.2
8	☐			196.67		P	6.8
9	☐			60.00		P	24.2

156 Dy [No Gas] No available calibration points

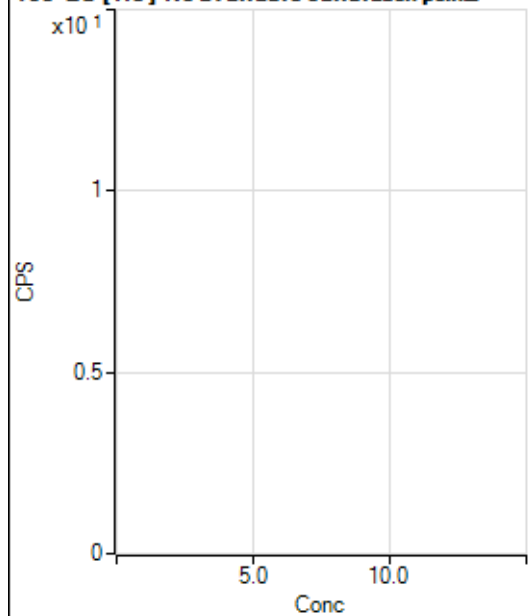
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐			5.56		P	173.2
2	☐			8.33		P	100.0
3	☐			0.00		P	
4	☐			22.22		P	94.4
5	☐			52.78		P	39.7
6	☐			155.56		P	35.7
7	☐			275.01		P	10.9
8	☐			600.03		P	9.7
9	☐			2153.00		P	2.9

156 Dy [He] No available calibration points

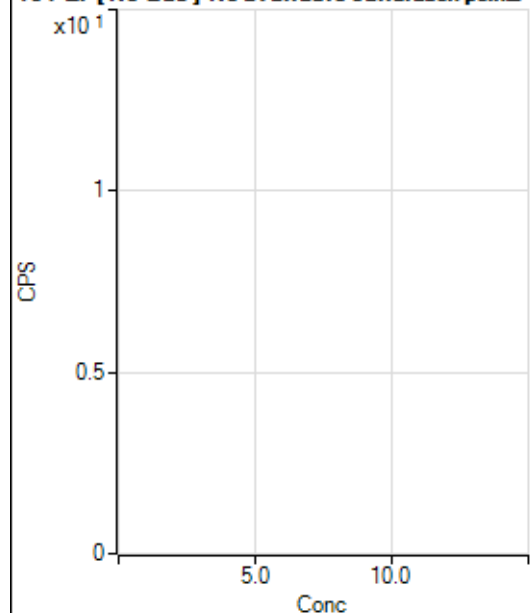
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐			5.56		P	34.7
2	☐			7.78		P	49.5
3	☐			5.55		P	69.3
4	☐			41.11		P	41.6
5	☐			87.78		P	14.4
6	☐			194.45		P	12.2
7	☐			357.79		P	4.7
8	☐			696.69		P	9.0
9	☐			1653.45		P	0.8

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

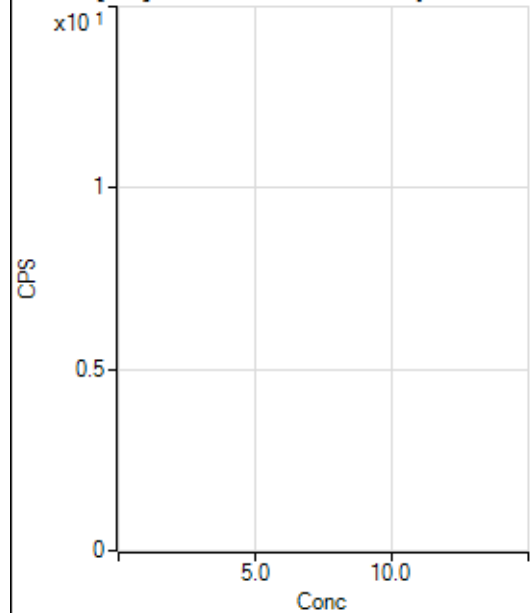
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐			133.34		P	43.3
2	☐			102.78		P	38.3
3	☐			88.89		P	43.3
4	☐			122.22		P	31.5
5	☐			147.23		P	32.2
6	☐			211.12		P	25.7
7	☐			275.01		P	23.7
8	☐			480.58		P	24.7
9	☐			1961.30		P	13.5

160 Gd [He] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐			283.34		P	10.1
2	☐			281.12		P	14.5
3	☐			282.23		P	4.8
4	☐			318.90		P	6.8
5	☐			321.12		P	14.8
6	☐			376.67		P	8.4
7	☐			460.01		P	8.8
8	☐			596.68		P	2.0
9	☐			1801.24		P	2.0

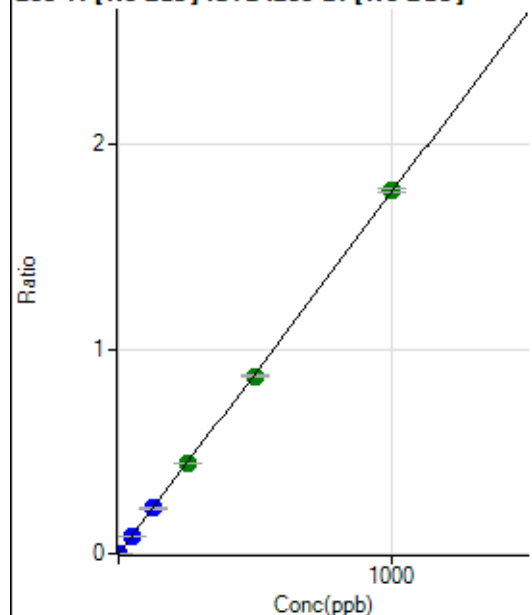
164 Er [No Gas] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t.	RSD
1	☐			105.56		P	22.8
2	☐			38.89		P	32.7
3	☐			83.34		P	20.0
4	☐			72.22		P	48.0
5	☐			63.89		P	58.8
6	☐			83.34		P	36.1
7	☐			102.78		P	40.8
8	☐			144.45		P	31.8
9	☐			336.12		P	10.0

164 Er [He] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t.	RSD
1	☐			46.67		P	58.5
2	☐			30.00		P	22.2
3	☐			47.78		P	49.0
4	☐			54.44		P	33.7
5	☐			54.45		P	19.7
6	☐			67.78		P	32.8
7	☐			84.44		P	13.9
8	☐			106.67		P	22.5
9	☐			283.34		P	7.3

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	758.37	0.0001	P	8.5
2	☐	0.100	0.104	1994.65	0.0003	P	4.5
3	☐	1.000	0.962	11627.49	0.0018	P	1.0
4	☐	50.000	48.919	557292.91	0.0864	P	2.0
5	☐	125.000	125.315	1432923.20	0.2212	P	1.0
6	☐	250.000	249.286	2875821.44	0.4399	A	0.8
7	☐	500.000	491.466	5731367.84	0.8672	A	1.6
8	☐	1000.000	1004.460	11377178.38	1.7723	A	1.0
9	☐			3189.35	0.0006	P	2.9

$$y = 0.0018 * x + 1.1687E-004$$

$$R = 0.9999$$

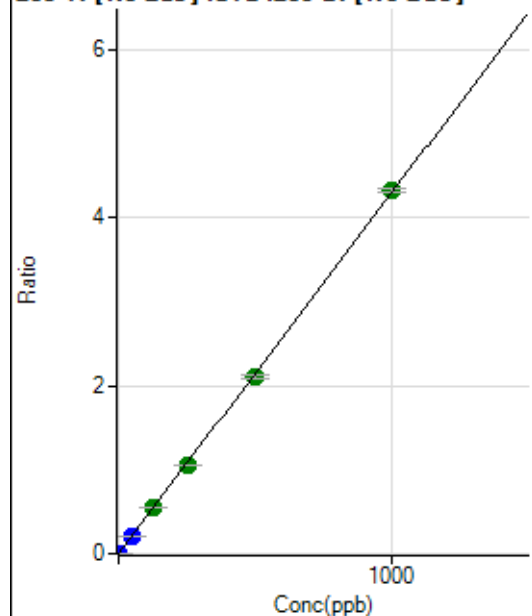
$$DL = 0.0168$$

$$BEC = 0.06624$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	1980.75	0.0003	P	3.8
2	☐	0.100	0.086	4478.63	0.0007	P	4.0
3	☐	1.000	0.920	27213.90	0.0042	P	2.2
4	☐	50.000	48.577	1344619.71	0.2085	P	1.6
5	☐	125.000	126.584	3516712.62	0.5429	A	1.1
6	☐	250.000	244.536	6853714.04	1.0485	A	1.1
7	☐	500.000	490.404	13894492.85	2.1024	A	1.7
8	☐	1000.000	1006.037	27684470.76	4.3127	A	1.0
9	☐			8227.73	0.0015	P	4.6

$$y = 0.0043 * x + 3.0538E-004$$

$$R = 0.9999$$

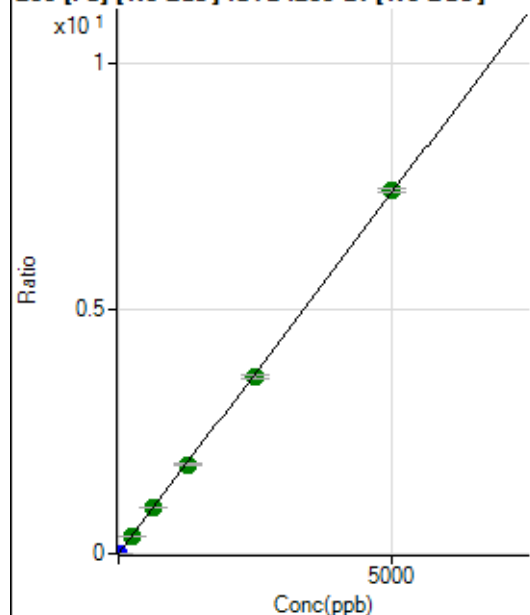
$$DL = 0.008177$$

$$BEC = 0.07124$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	516.68	0.0001	P	4.8
2	☐	0.100	0.091	1414.91	0.0002	P	3.9
3	☐	1.000	0.962	9577.59	0.0015	P	2.4
4	☐	250.000	248.874	2362069.79	0.3663	A	2.3
5	☐	625.000	632.357	6028593.71	0.9307	A	0.4
6	☐	1250.000	1233.154	11862982.79	1.8149	A	1.4
7	☐	2500.000	2449.686	23825360.72	3.6052	A	2.1
8	☐	5000.000	5028.505	47505301.06	7.4004	A	1.0
9	☐			22734.03	0.0041	P	6.5

$$y = 0.0015 * x + 7.9688E-005$$

$$R = 0.9999$$

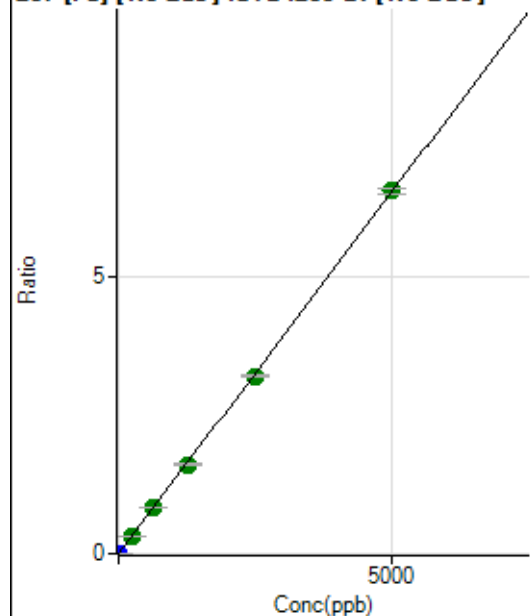
$$DL = 0.007807$$

$$BEC = 0.05415$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	438.90	0.0001	P	10.2
2	☐	0.100	0.103	1335.28	0.0002	P	4.7
3	☐	1.000	0.916	8100.70	0.0013	P	0.8
4	☐	250.000	250.590	2112168.44	0.3276	A	1.1
5	☐	625.000	639.091	5410445.09	0.8353	A	0.4
6	☐	1250.000	1233.206	10535043.29	1.6117	A	1.2
7	☐	2500.000	2461.688	21261876.40	3.2171	A	1.3
8	☐	5000.000	5021.564	42126859.74	6.5626	A	1.4
9	☐			20209.70	0.0036	P	2.3

$$y = 0.0013 * x + 6.7627E-005$$

$$R = 0.9999$$

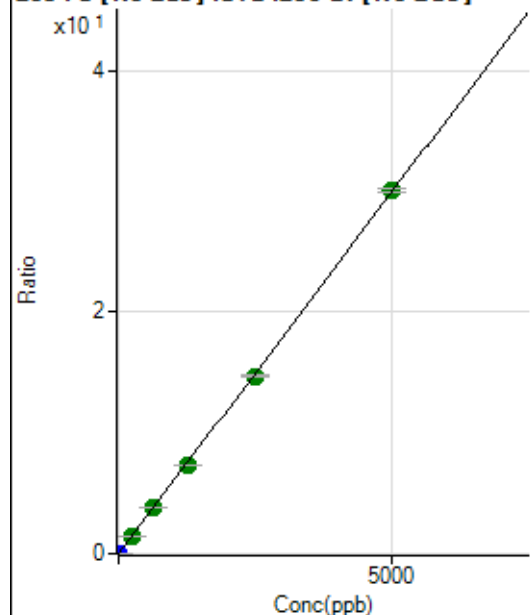
$$DL = 0.01591$$

$$BEC = 0.05175$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	1959.35	0.0003	P	4.9
2	☐	0.100	0.098	5885.79	0.0009	P	1.9
3	☐	1.000	0.935	37748.87	0.0059	P	1.4
4	☐	250.000	248.337	9578054.02	1.4855	A	2.0
5	☐	625.000	634.547	24583494.88	3.7952	A	0.3
6	☐	1250.000	1226.853	47962378.96	7.3374	A	1.0
7	☐	2500.000	2460.617	97255209.12	14.7159	A	1.4
8	☐	5000.000	5024.368	192891581.63	30.0483	A	0.9
9	☐			92422.43	0.0165	P	4.2

$$y = 0.0060 * x + 3.0220E-004$$

$$R = 0.9999$$

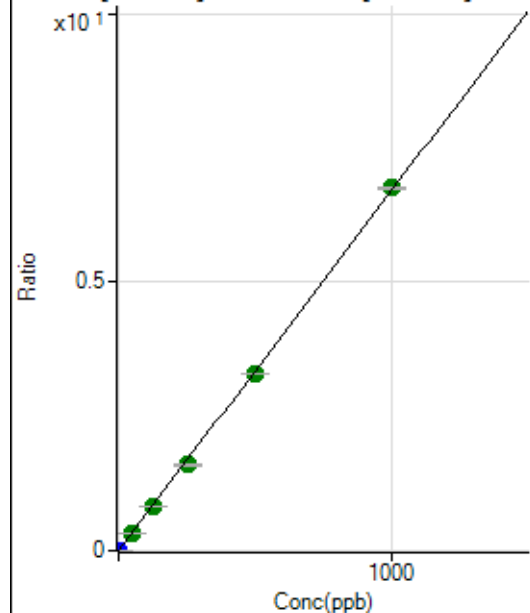
$$DL = 0.007412$$

$$BEC = 0.05053$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	118.52	0.0000	P	12.7
2	☐	0.100	0.082	3752.45	0.0006	P	2.0
3	☐	1.000	0.848	36512.99	0.0057	P	2.4
4	☐	50.000	48.305	2088187.13	0.3238	A	1.0
5	☐	125.000	123.833	5377351.10	0.8301	A	0.5
6	☐	250.000	238.473	10449514.35	1.5986	A	1.4
7	☐	500.000	490.008	21710862.98	3.2848	A	0.2
8	☐	1000.000	1008.109	43383003.29	6.7579	A	0.4
9	☐			2981.87	0.0005	P	1.8

$$y = 0.0067 * x + 1.8289E-005$$

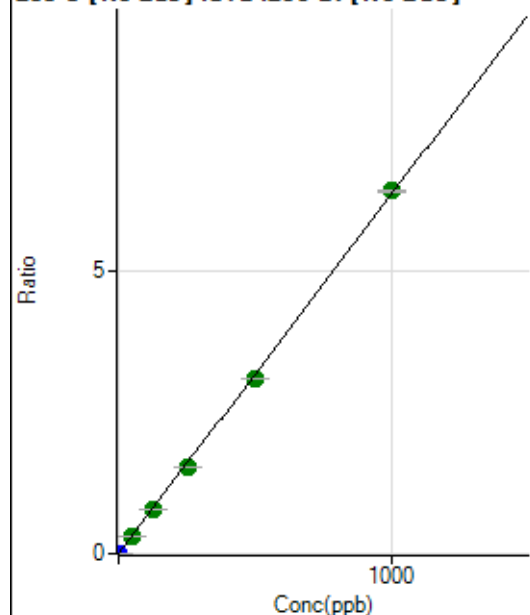
$$R = 0.9999$$

$$DL = 0.001042$$

$$BEC = 0.002728$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	83.34	0.0000	P	1.0
2	☐	0.100	0.085	3670.05	0.0006	P	3.3
3	☐	1.000	0.869	35386.88	0.0055	P	2.2
4	☐	50.000	48.941	2002787.74	0.3106	A	1.5
5	☐	125.000	124.163	5103868.38	0.7879	A	0.3
6	☐	250.000	239.669	9941799.44	1.5209	A	0.4
7	☐	500.000	487.352	20441079.97	3.0926	A	0.7
8	☐	1000.000	1009.064	41106799.18	6.4033	A	0.2
9	☐			3620.04	0.0006	P	7.1

$$y = 0.0063 * x + 1.2850E-005$$

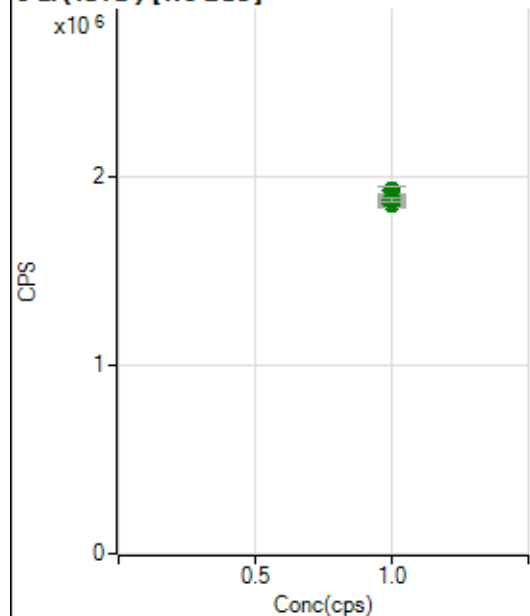
$$R = 0.9998$$

$$DL = 6.342E-05$$

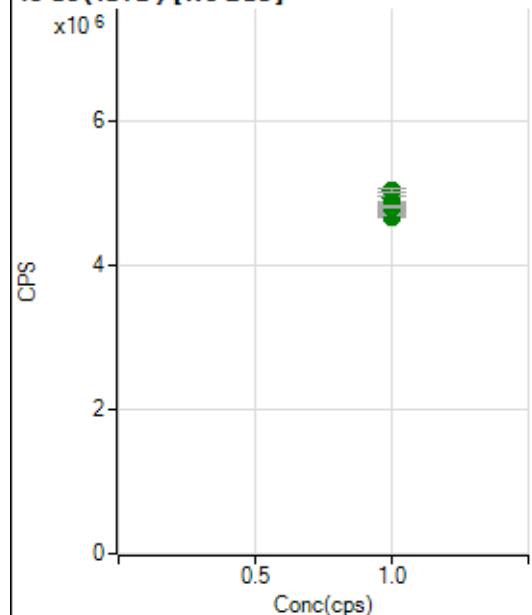
$$BEC = 0.002025$$

Weight: <None>

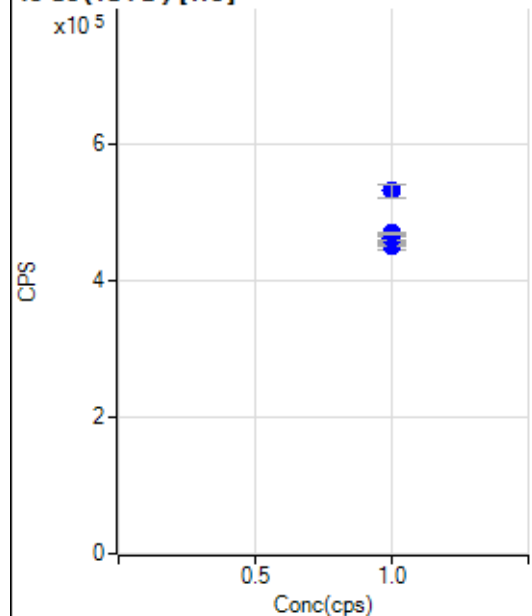
Min Conc: 0

6 Li (ISTD) [No Gas]

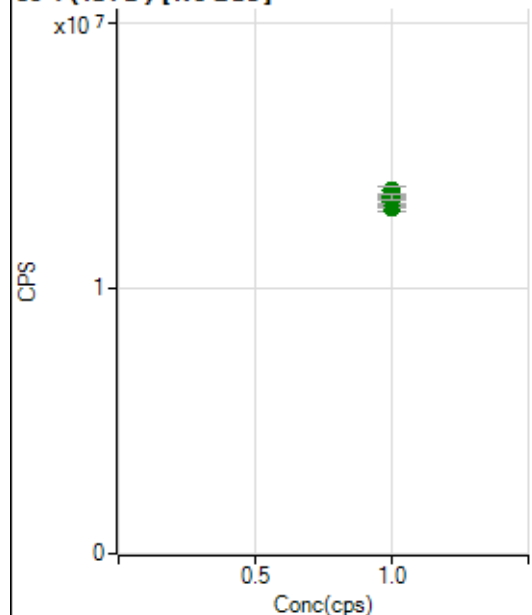
	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	1.000		1861103.91		A	0.3
2	☐	1.000		1923134.38		A	2.5
3	☐	1.000		1893738.77		A	1.2
4	☐	1.000		1891824.54		A	0.5
5	☐	1.000		1871614.33		A	0.6
6	☐	1.000		1850618.46		A	0.8
7	☐	1.000		1888153.22		A	1.9
8	☐	1.000		1855150.50		A	1.9
9	☐	1.000		1874635.70		A	1.3

45 Sc (ISTD) [No Gas]

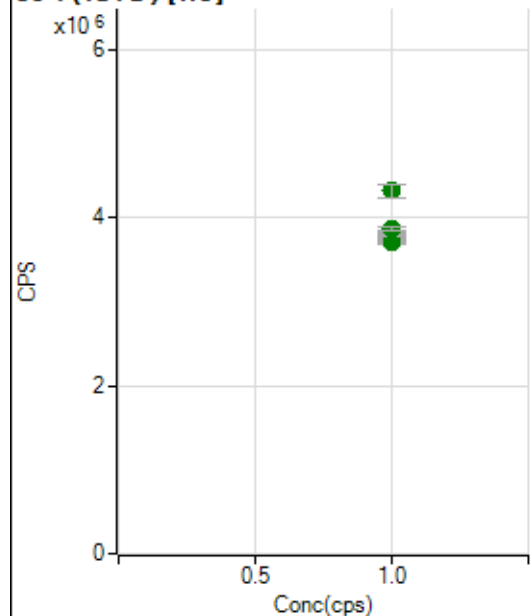
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	1.000		4825487.26		A	0.7
2	☐	1.000		4915134.82		A	1.8
3	☐	1.000		4725072.29		A	2.1
4	☐	1.000		4765605.45		A	1.2
5	☐	1.000		4666106.04		A	0.5
6	☐	1.000		4703056.32		A	0.2
7	☐	1.000		4789106.87		A	0.6
8	☐	1.000		4810632.46		A	0.9
9	☐	1.000		5023103.26		A	1.1

45 Sc (ISTD) [He]

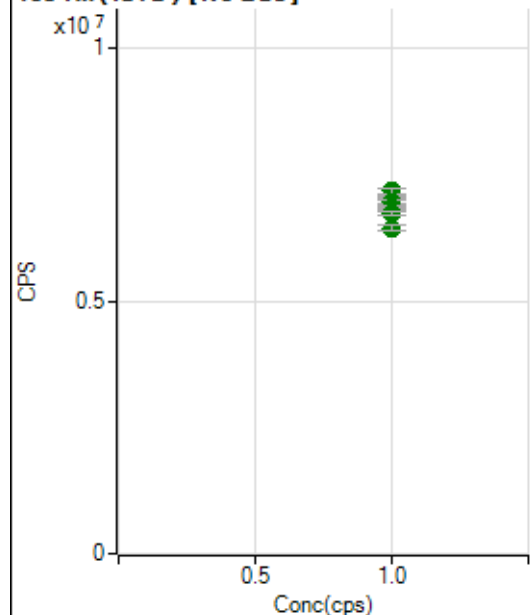
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	1.000		452906.96		P	0.0
2	☐	1.000		452466.87		P	2.8
3	☐	1.000		451591.59		P	0.8
4	☐	1.000		454196.90		P	0.8
5	☐	1.000		452402.96		P	0.4
6	☐	1.000		452394.39		P	0.7
7	☐	1.000		461457.37		P	1.0
8	☐	1.000		470179.73		P	0.7
9	☐	1.000		531613.45		P	3.9

89 Y (ISTD) [No Gas]

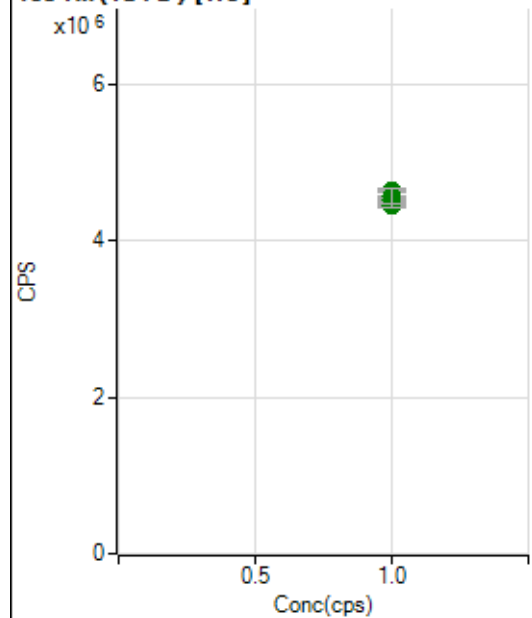
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	1.000		13392174.11		A	0.3
2	☐	1.000		13694435.07		A	2.1
3	☐	1.000		13048832.30		A	1.5
4	☐	1.000		13296682.72		A	2.2
5	☐	1.000		13068449.25		A	0.2
6	☐	1.000		13299807.03		A	1.2
7	☐	1.000		13485470.77		A	0.4
8	☐	1.000		13473934.11		A	1.3
9	☐	1.000		13442368.27		A	1.4

89 Y (ISTD) [He]

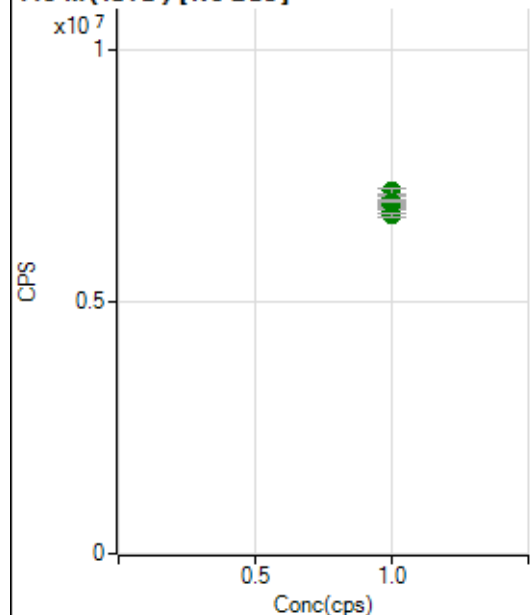
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	1.000		3802436.02		A	1.0
2	☐	1.000		3802224.11		A	1.6
3	☐	1.000		3704803.35		A	1.4
4	☐	1.000		3727044.70		A	0.7
5	☐	1.000		3732511.30		A	0.7
6	☐	1.000		3776966.89		A	0.7
7	☐	1.000		3863448.94		A	0.9
8	☐	1.000		3865030.25		A	0.7
9	☐	1.000		4314715.46		A	3.7

103 Rh (ISTD) [No Gas]

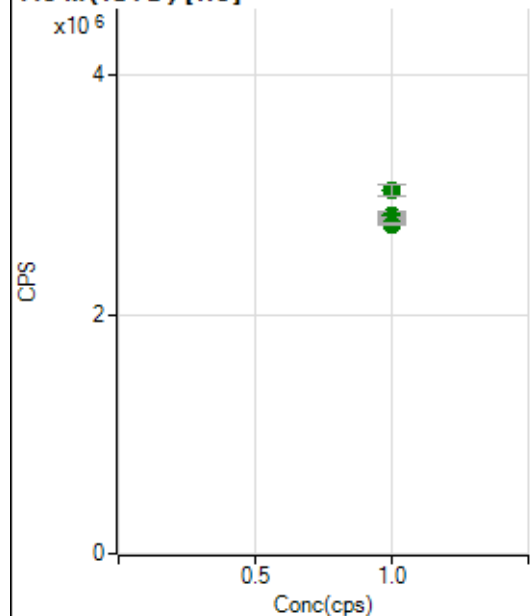
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	1.000		7092940.45		A	0.8
2	☐	1.000		7185168.57		A	1.8
3	☐	1.000		6978131.84		A	1.8
4	☐	1.000		6965628.02		A	1.7
5	☐	1.000		6820799.90		A	0.4
6	☐	1.000		6835824.27		A	0.3
7	☐	1.000		6862311.50		A	0.5
8	☐	1.000		6749286.50		A	1.3
9	☐	1.000		6447810.81		A	1.5

103 Rh (ISTD) [He]

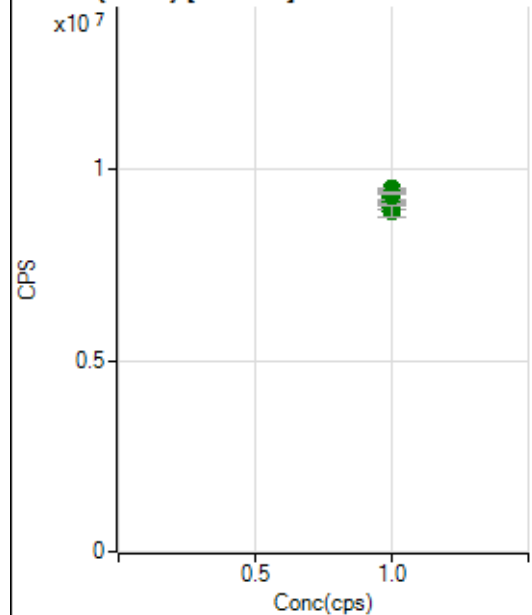
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	1.000		4635242.67		A	0.8
2	☐	1.000		4579841.46		A	2.6
3	☐	1.000		4518205.90		A	0.9
4	☐	1.000		4492906.04		A	0.5
5	☐	1.000		4535166.08		A	1.0
6	☐	1.000		4477378.68		A	1.0
7	☐	1.000		4512685.04		A	1.6
8	☐	1.000		4446002.36		A	1.1
9	☐	1.000		4569764.76		A	3.9

115 In (ISTD) [No Gas]

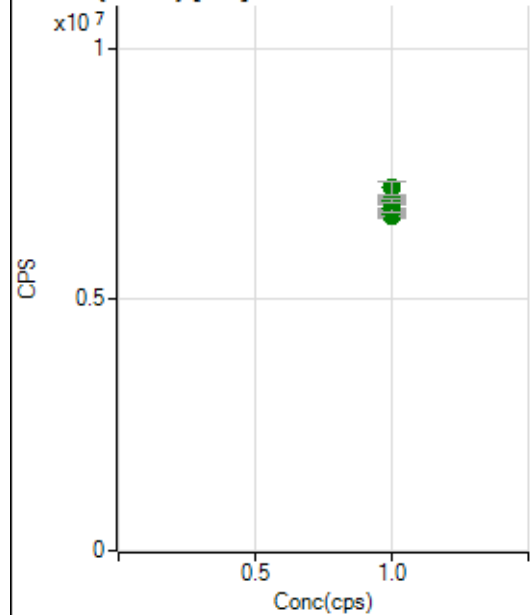
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	1.000		7059379.76		A	1.3
2	☐	1.000		7191824.64		A	1.5
3	☐	1.000		6936584.35		A	2.0
4	☐	1.000		6972347.77		A	1.0
5	☐	1.000		6947424.27		A	1.0
6	☐	1.000		6909429.17		A	1.6
7	☐	1.000		6988871.69		A	0.4
8	☐	1.000		6790226.14		A	1.2
9	☐	1.000		6712432.13		A	1.3

115 In (ISTD) [He]

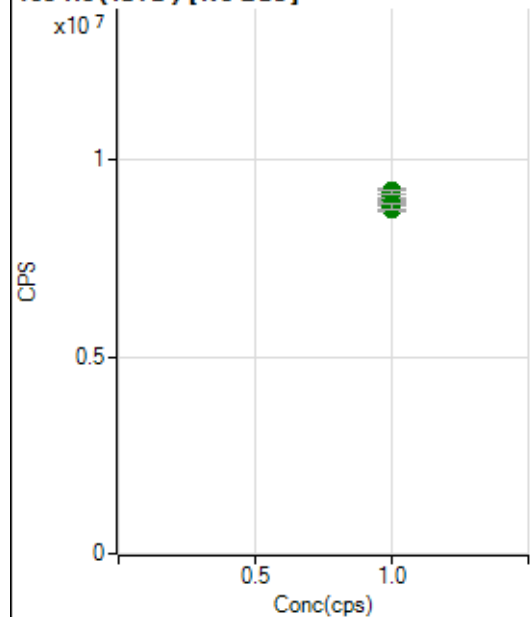
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	1.000		2831703.61		A	0.8
2	☐	1.000		2830324.06		A	1.9
3	☐	1.000		2757044.51		A	0.2
4	☐	1.000		2762924.21		A	0.3
5	☐	1.000		2752906.61		A	0.4
6	☐	1.000		2780241.32		A	0.5
7	☐	1.000		2797893.34		A	0.5
8	☐	1.000		2749939.95		A	0.7
9	☐	1.000		3031027.74		A	3.3

159 Tb (ISTD) [No Gas]

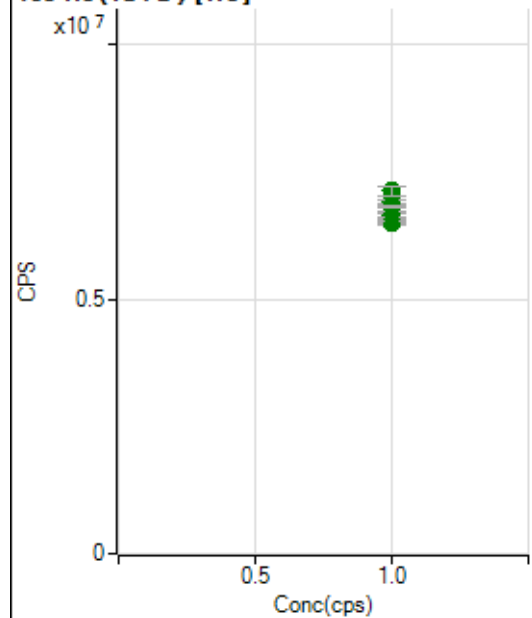
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	1.000		9135104.24		A	1.0
2	☐	1.000		9270079.65		A	2.1
3	☐	1.000		9013423.06		A	1.3
4	☐	1.000		9133658.41		A	1.5
5	☐	1.000		9090433.75		A	0.5
6	☐	1.000		9284781.95		A	2.3
7	☐	1.000		9486853.82		A	0.3
8	☐	1.000		9374729.93		A	0.6
9	☐	1.000		8887804.93		A	3.2

159 Tb (ISTD) [He]

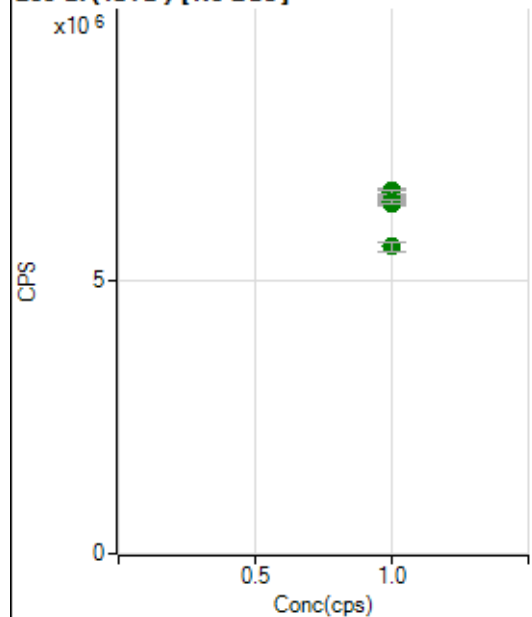
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	1.000		6681582.54		A	0.8
2	☐	1.000		6709121.98		A	2.6
3	☐	1.000		6645724.76		A	0.1
4	☐	1.000		6705698.51		A	1.3
5	☐	1.000		6769721.77		A	0.2
6	☐	1.000		6821496.29		A	2.1
7	☐	1.000		6998250.24		A	0.7
8	☐	1.000		6969002.12		A	0.9
9	☐	1.000		7216877.33		A	3.6

165 Ho (ISTD) [No Gas]

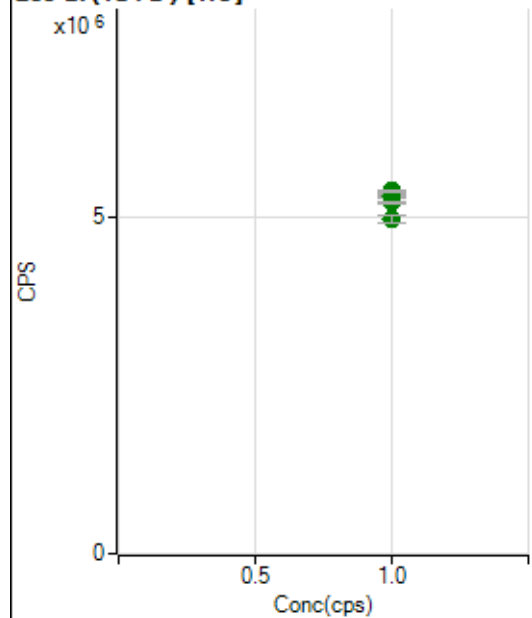
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	1.000		8961592.50		A	1.5
2	☐	1.000		9108047.09		A	2.8
3	☐	1.000		8809857.37		A	1.4
4	☐	1.000		8770987.86		A	1.5
5	☐	1.000		8858442.51		A	0.5
6	☐	1.000		9009878.96		A	1.1
7	☐	1.000		9223918.34		A	1.2
8	☐	1.000		9187279.17		A	1.1
9	☐	1.000		8831614.59		A	1.7

165 Ho (ISTD) [He]

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	1.000		6637406.08		A	1.1
2	☐	1.000		6592519.07		A	1.0
3	☐	1.000		6483510.46		A	1.0
4	☐	1.000		6539352.33		A	0.5
5	☐	1.000		6651252.12		A	1.0
6	☐	1.000		6725159.41		A	0.2
7	☐	1.000		6904872.68		A	0.9
8	☐	1.000		6821853.37		A	0.4
9	☐	1.000		7125533.23		A	3.0

209 Bi (ISTD) [No Gas]

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	1.000		6485893.17		A	1.0
2	☐	1.000		6626103.79		A	1.5
3	☐	1.000		6406793.73		A	1.8
4	☐	1.000		6448764.56		A	1.1
5	☐	1.000		6477575.39		A	0.7
6	☐	1.000		6536965.80		A	0.7
7	☐	1.000		6609440.11		A	1.0
8	☐	1.000		6419752.68		A	1.0
9	☐	1.000		5609014.29		A	3.4

209 Bi (ISTD) [He]

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	1.000		5400311.59		A	0.7
2	☐	1.000		5360199.92		A	1.3
3	☐	1.000		5350876.03		A	0.1
4	☐	1.000		5317479.78		A	0.3
5	☐	1.000		5345055.69		A	1.8
6	☐	1.000		5334351.41		A	1.0
7	☐	1.000		5401969.54		A	0.5
8	☐	1.000		5227127.94		A	0.7
9	☐	1.000		4979756.52		A	2.5

US EPA Tune Check Report

Operator Name Jaswal

Acq/Data Batch D:\Agilent\ICPMH\1\DATA\IP7032822MS.b

Acq. Date-Time 2022-03-28 14:51:10

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		10106	101063.54			0.752	5.000
24		88192	881924.38			1.090	5.000
25		12137	121367.97			0.551	5.000
26		14019	140189.90			0.621	5.000
59		24528	245281.27			0.761	5.000
113		11631	116313.27			0.810	5.000
115		32650	326495.69			0.352	5.000
206		18080	180801.09			0.199	5.000
207		15447	154473.45			0.542	5.000
208		37752	377517.70			0.951	5.000
220		0	1.70			26.307	

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

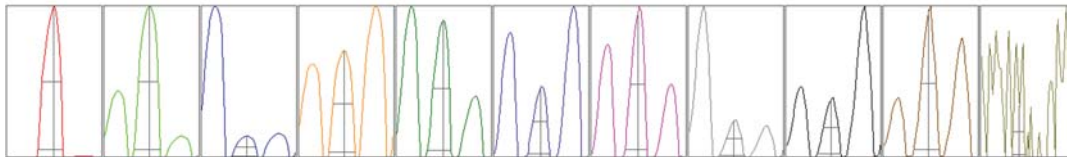
Mass	Rep#1 Count	Rep#2 Count	Rep#3 Count	Rep#4 Count	Rep#5 Count
9	10142	10105	10121	10183	9981
24	88470	87413	89261	88835	86984
25	12237	12111	12164	12111	12061
26	14007	14069	14097	14047	13875
59	24659	24623	24525	24627	24206
113	11662	11611	11771	11598	11515
115	32671	32637	32803	32657	32480
206	18061	18142	18049	18075	18074
207	15473	15474	15561	15358	15371
208	37812	37909	38239	37370	37429

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	0

Integration Time [sec] 0.1

Resolution/Axis



Mass	Peak Height	Axis	Axis (Required)	Axis (Flag)
9	18162.37	9.00	8.90 - 9.10	
24	148354.57	23.95	23.90 - 24.10	
25	20241.74	24.95	24.90 - 25.10	
26	23050.64	25.95	25.90 - 26.10	
59	48577.74	59.00	58.90 - 59.10	
113	25621.13	113.00	112.90 - 113.10	
115	71113.74	115.00	114.90 - 115.10	
206	37516.41	205.95	205.90 - 206.10	
207	31770.17	206.95	206.90 - 207.10	
208	79852.72	207.95	207.90 - 208.10	
220	0.20	219.75	-	

Mass	W-50%	W-5%	W-5% (Required)	W-5% (Flag)
9	0.60	0.783	0.900	
24	0.63	0.828	0.900	
25	0.63	0.809	0.900	
26	0.63	0.828	0.900	
59	0.52	0.746	0.900	
113	0.45	0.685	0.900	
115	0.46	0.711	0.900	
206	0.48	0.773	0.900	
207	0.48	0.742	0.900	
208	0.47	0.808	0.900	
220	0.36	0.396		

Integration Time [sec] 0.1

Acquisition Time [sec] 256.770000000002

Y Axis Linear

Tune Parameters

Plasma Parameters

Plasma Mode --- Nebulizer Gas 0.73 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	10.1 V	Deflect	14.6 V
Extract 2	-190.0 V	Cell Entrance	-30 V	Plate Bias	-35 V
Omega Bias	-90 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	200 V		

QP Parameters

Mass Gain	122	Axis Gain	1.0003	QP Bias	-3.0 V
Mass Offset	124	Axis Offset	-0.04		

Hardware Settings

Torch

Torch H	-0.6 mm	Torch V	0.9 mm
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EM

Discriminator	3.1 mV	Analog HV	2164 V	Pulse HV	1456 V
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[He]

Sensitivity

Mass	Conc. [ug/l]	Count	CPS	Resp (Required) [cps/ug/l]	Resp (Flag)	RSD%	RSD% (Required)
59		9080	90801.88			0.831	
89		47768	477675.18			0.458	
205		54737	547373.34			0.569	

Mass	RSD% (Flag)
59	
89	
205	

Mass	Rep#1 Count	Rep#2 Count	Rep#3 Count	Rep#4 Count	Rep#5 Count
59	9119	9080	9021	9184	8997
89	47870	48038	47526	47844	47559
205	54584	54464	55017	55128	54494

Integration Time [sec] 0.1

Tune Parameters

Plasma Parameters

Plasma Mode	---	Nebulizer Gas	0.73 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	10.4 V	Deflect	3.2 V
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US EPA Tune Check Report

Extract 2	-180.0 V	Cell Entrance	-40 V	Plate Bias	-60 V
Omega Bias	-90 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	122	Axis Gain	1.0003	QP Bias	-13.0 V
Mass Offset	124	Axis Offset	-0.04		

Hardware Settings

Torch

Torch H	-0.6 mm	Torch V	0.9 mm
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EM

Discriminator	3.1 mV	Analog HV	2164 V	Pulse HV	1456 V
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