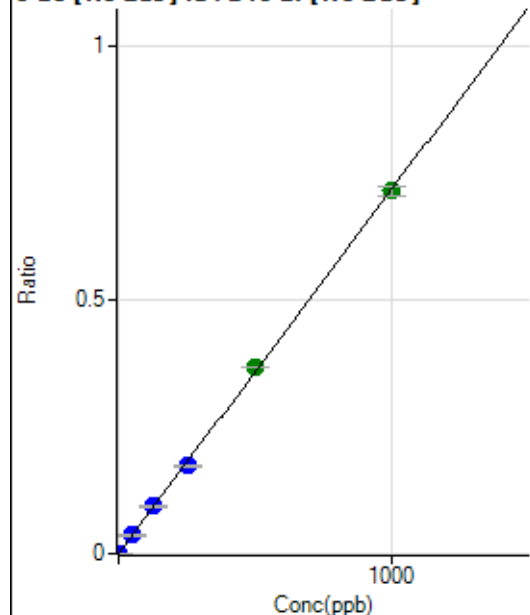


Calibration for 006CALS.d

Batch Folder: D:\Agilent\ICPMH\1\DATA\P7022822-MS.b\
 Analysis File: P7022822-MS.batch.bin
 DA Date-Time: 2022-03-01 01:48:04
 Calibration Title:
 Calibration Method: External Calibration
 VIS Interpolation Fit:

Level	Standard Data File	Sample Name	Acq. Date-Time
1	003CALB.d	S00	2022-02-28 15:23:22
2	004CALS.d	S01	2022-02-28 15:26:17
3	006CALS.d	S02	2022-02-28 15:32:06
4	007CALS.d	S03	2022-02-28 15:34:59
5	008CALS.d	S04	2022-02-28 15:37:46
6	009CALS.d	S05	2022-02-28 15:40:30
7	010CALS.d	S06	2022-02-28 15:43:17
8	013CALS.d	S07	2022-02-28 15:52:24
9	014CALS.d	S08	2022-02-28 15:55:11

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

	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	195.56	0.0001	P	4.3
2	☐	0.100	0.107	440.01	0.0001	P	9.5
3	☐	1.000	1.038	2486.89	0.0008	P	6.2
4	☐	50.000	50.255	111743.82	0.0361	P	1.6
5	☐	125.000	130.030	275412.26	0.0932	P	3.6
6	☐	250.000	240.765	547852.00	0.1726	P	1.7
7	☐	500.000	510.315	1118878.26	0.3657	A	0.1
8	☐	1000.000	996.510	2319269.83	0.7141	A	2.5
9	☐			954.48	0.0003	P	10.6

$$y = 7.1652\text{E-}004 * x + 6.4101\text{E-}005$$

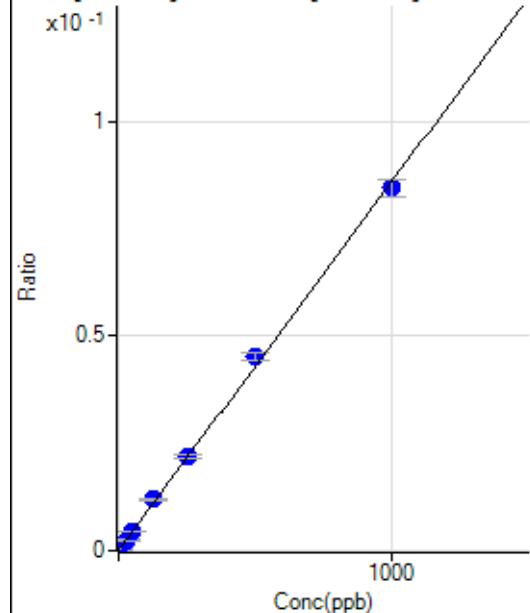
$$R = 0.9999$$

$$DL = 0.01145$$

$$BEC = 0.08946$$

Weight: <None>

Min Conc: 0

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

	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	202.78	0.0001	P	22.6
2	☐	2.500	2.723	933.39	0.0003	P	17.5
3	☐	25.000	27.323	7424.21	0.0024	P	7.0
4	☐	50.000	52.329	14115.05	0.0046	P	4.7
5	☐	125.000	138.285	35279.77	0.0119	P	4.6
6	☐	250.000	256.133	69978.14	0.0220	P	4.7
7	☐	500.000	525.019	138051.59	0.0451	P	4.2
8	☐	1000.000	984.122	274455.13	0.0845	P	4.5
9	☐			8572.03	0.0029	P	7.4

$$y = 8.5813\text{E-}005 * x + 6.6371\text{E-}005$$

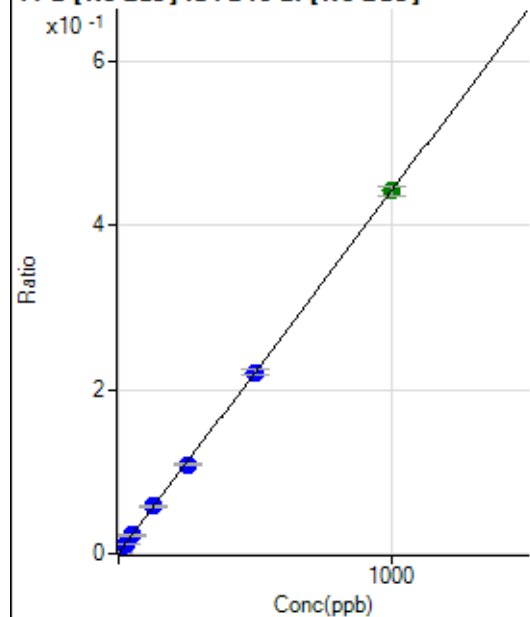
$$R = 0.9995$$

$$DL = 0.5241$$

$$BEC = 0.7734$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	1055.62	0.0003	P	9.1
2	☐	2.500	2.279	4217.34	0.0014	P	2.6
3	☐	25.000	26.523	37209.23	0.0121	P	2.4
4	☐	50.000	50.835	70695.31	0.0228	P	4.9
5	☐	125.000	131.153	172568.04	0.0583	P	4.5
6	☐	250.000	245.630	345859.83	0.1090	P	3.5
7	☐	500.000	500.347	677966.47	0.2216	P	3.5
8	☐	1000.000	1000.070	1437364.84	0.4425	A	2.8
9	☐			43773.94	0.0149	P	11.7

$$y = 4.4217\text{E-}004 * x + 3.4586\text{E-}004$$

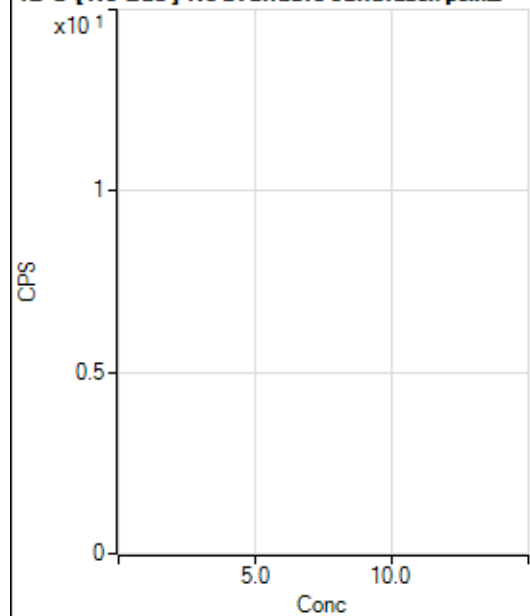
$$R = 1.0000$$

$$DL = 0.2126$$

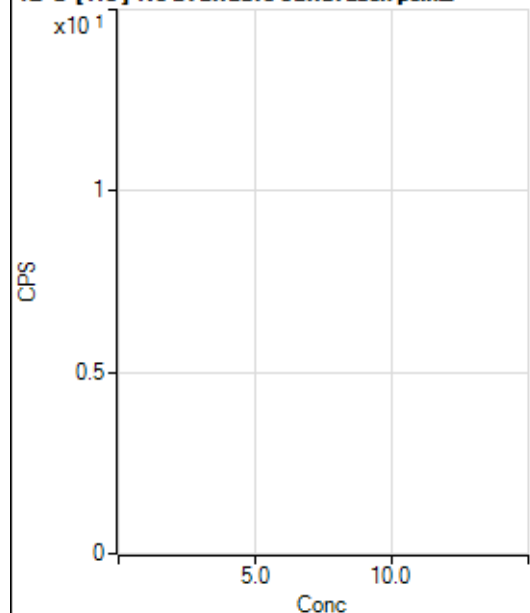
$$BEC = 0.7822$$

Weight: <None>

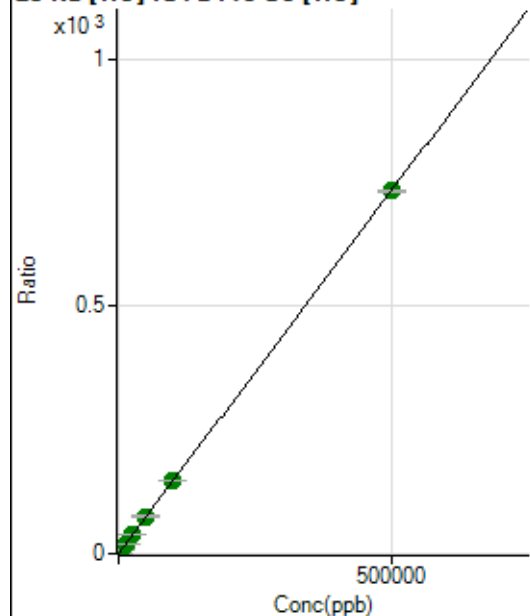
Min Conc: 0

12 C [No Gas] No available calibration points

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

12 C [He] No available calibration points

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

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	22726.33	0.0400	P	8.9
2	☐	50.000	48.193	63221.98	0.1108	P	2.9
3	☐	500.000	482.732	437753.00	0.7485	P	0.9
4	☐	5000.000	5223.930	4450606.75	7.7072	A	1.2
5	☐	12500.000	13019.703	10902831.49	19.1490	A	0.9
6	☐	25000.000	25761.902	21498192.84	37.8507	A	0.7
7	☐	50000.000	51411.814	42925953.27	75.4971	A	0.9
8	☐	100000.00	100914.30	86667555.64	148.1518	A	0.7
9	☐	500000.00	499622.64	421405183.49	733.3354	A	0.8

$$y = 0.0015 * x + 0.0400$$

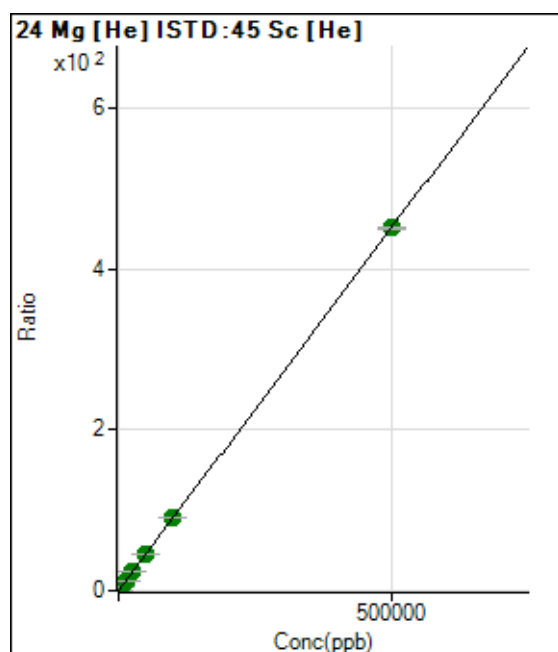
$$R = 1.0000$$

$$DL = 7.286$$

$$BEC = 27.27$$

Weight: <None>

Min Conc: 0



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	409.27	0.0007	P	14.4
2	☐	50.000	48.117	25194.92	0.0441	P	1.7
3	☐	500.000	486.732	257262.03	0.4399	P	1.1
4	☐	5000.000	5151.524	2684595.11	4.6491	A	1.4
5	☐	12500.000	13026.113	6692879.66	11.7545	A	0.4
6	☐	25000.000	25578.892	13110685.48	23.0812	A	0.5
7	☐	50000.000	51033.140	26182896.88	46.0492	A	0.5
8	☐	100000.00	100331.89	52960046.09	90.5328	A	1.0
9	☐	500000.00	499786.70	259140781.72	450.9710	A	0.8

$$y = 9.0233\text{E-}004 * x + 7.2196\text{E-}004$$

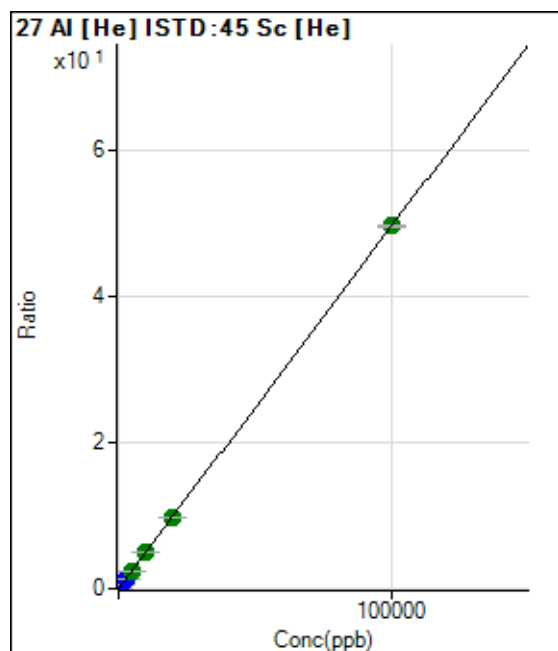
$$R = 1.0000$$

$$DL = 0.3451$$

$$BEC = 0.8001$$

Weight: <None>

Min Conc: 0



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	272.23	0.0005	P	9.1
2	☒	2.000					
3	☐	20.000	18.776	5721.52	0.0098	P	5.9
4	☐	1000.000	958.032	274302.57	0.4750	P	1.5
5	☐	2500.000	2391.079	674660.19	1.1849	P	0.2
6	☐	5000.000	4915.116	1383179.60	2.4351	A	0.8
7	☐	10000.000	9937.233	2798994.27	4.9227	A	0.4
8	☐	20000.000	19539.982	5662378.25	9.6793	A	0.5
9	☐	100000.00	100105.66	28494290.22	49.5861	A	0.5

$$y = 4.9533\text{E-}004 * x + 4.7944\text{E-}004$$

$$R = 1.0000$$

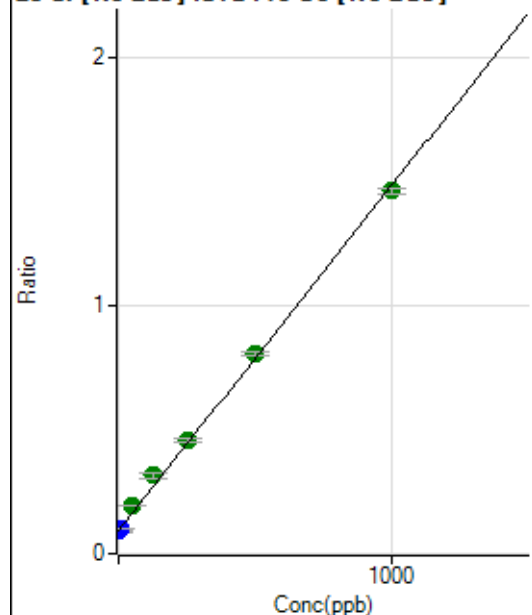
$$DL = 0.2651$$

$$BEC = 0.9679$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	603719.28	0.0927	P	2.0
2	☐	1.000	-1.527	609165.73	0.0906	P	4.6
3	☐	10.000	5.219	669729.04	0.1000	P	1.9
4	☐	50.000	72.579	1244454.70	0.1935	A	1.0
5	☐	125.000	159.917	1916708.70	0.3148	A	7.1
6	☐	250.000	263.282	2957948.37	0.4584	A	2.5
7	☐	500.000	513.158	5047316.56	0.8055	A	1.3
8	☐	1000.000	984.657	9607304.29	1.4603	A	1.5
9	☐			1319889.89	0.2041	A	6.6

$$y = 0.0014 * x + 0.0927$$

$$R = 0.9990$$

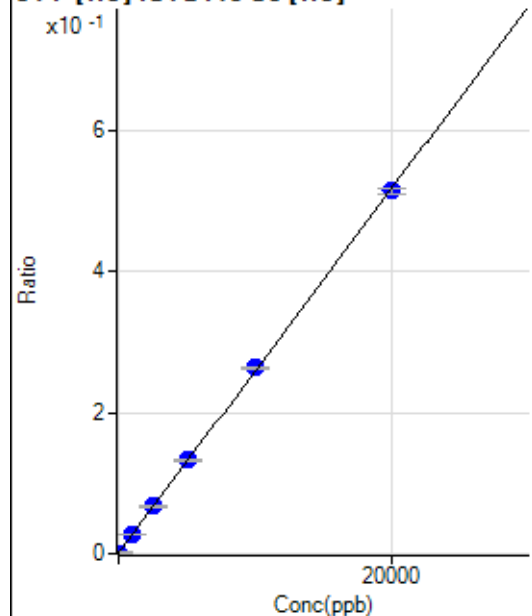
$$DL = 4.09$$

$$BEC = 66.76$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	-5.513	466.69	0.0008	P	5.3
2	☐	0.000	-9.429	408.35	0.0007	P	16.6
3	☐	0.000	14.942	786.15	0.0013	P	4.7
4	☐	1000.000	1041.685	16089.41	0.0279	P	2.0
5	☐	2500.000	2558.700	38164.86	0.0670	P	1.2
6	☐	5000.000	5096.633	75299.54	0.1326	P	0.6
7	☐	10000.000	10167.418	149832.05	0.2635	P	0.6
8	☐	20000.000	19882.711	300915.09	0.5144	P	1.8
9	☐			544.47	0.0009	P	11.9

$$y = 2.5823E-005 * x + 9.5863E-004$$

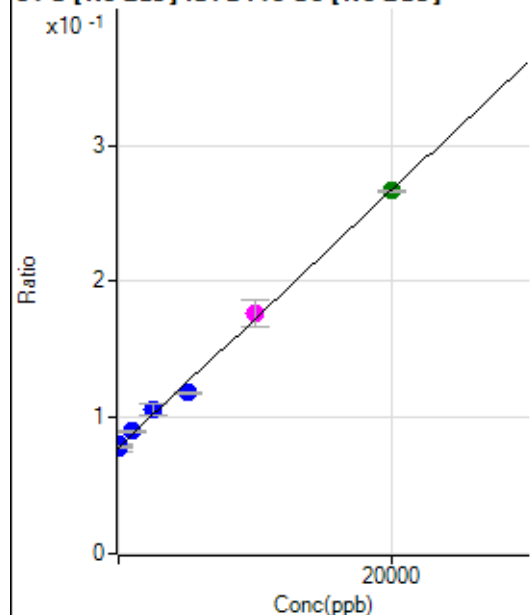
$$R = 0.9999$$

$$DL = 8.718$$

$$BEC = 37.12$$

Weight: <None>

Min Conc: 0



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	185.963	521518.77	0.0801	P	2.2
2	☐	0.000	-129.206	518432.43	0.0771	P	5.3
3	☐	0.000	-56.757	521274.53	0.0778	P	1.7
4	☐	1000.000	1199.325	576530.77	0.0897	P	0.8
5	☐	2500.000	2934.933	645610.70	0.1060	P	7.0
6	☐	5000.000	4197.640	761166.04	0.1180	P	2.0
7	☐	10000.000	10421.135	1106970.54	0.1767	M	10.9
8	☐	20000.000	19925.690	1752443.68	0.2664	A	0.7
9	☐			460002.96	0.0711	P	1.2

$$y = 9.4368E-006 * x + 0.0783$$

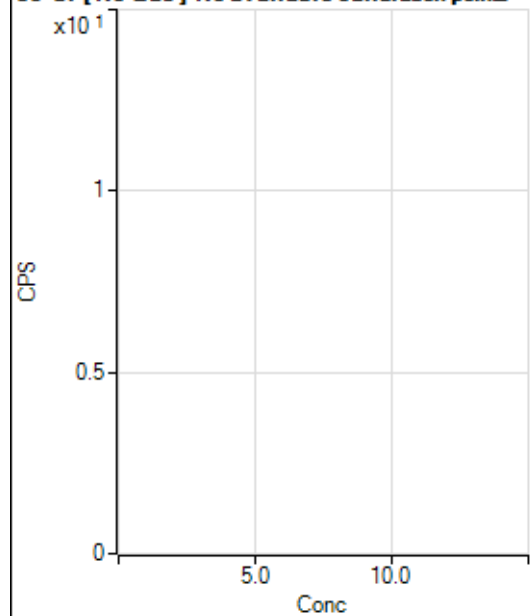
R = 0.9984

$$DL = 763.2$$

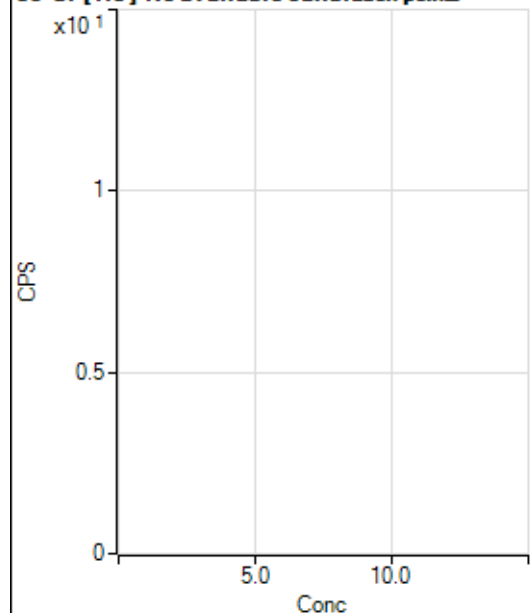
BEC = 8302

Weight: <None>

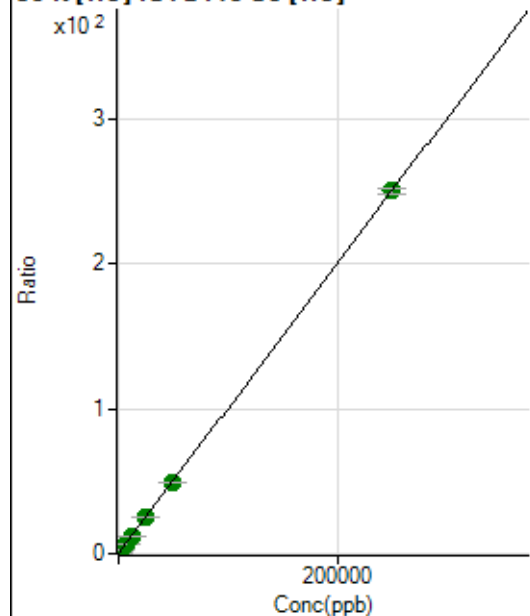
Min Conc: 0



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

35 Cl [He] No available calibration points

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

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	114254.45	0.2011	P	7.8
2	☐	50.000	48.252	142321.88	0.2493	P	1.0
3	☐	500.000	493.677	406073.84	0.6944	P	1.3
4	☐	2500.000	2531.766	1576962.93	2.7308	A	0.7
5	☐	6250.000	6163.331	3620854.99	6.3594	A	1.1
6	☐	12500.000	12197.663	7036562.31	12.3889	A	1.5
7	☐	25000.000	24389.167	13970710.38	24.5705	A	0.1
8	☐	50000.000	48766.857	28623298.91	48.9284	A	1.4
9	☐	250000.00	250324.69	143840137.94	250.3227	A	1.7

$$y = 9.9919\text{E-}004 * x + 0.2011$$

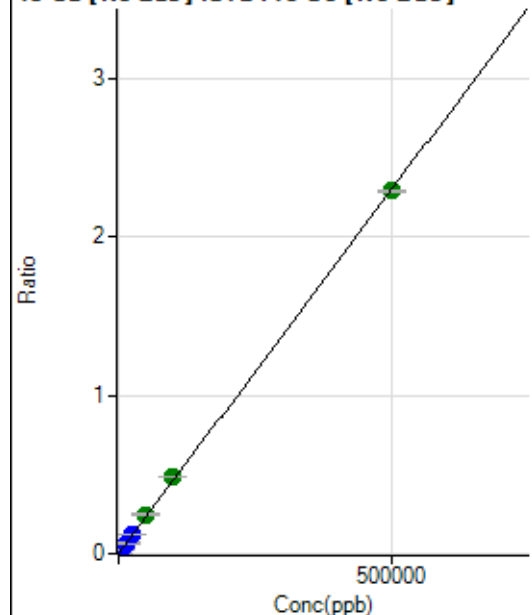
$$R = 1.0000$$

$$DL = 46.93$$

$$BEC = 201.3$$

Weight: <None>

Min Conc: 0

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

	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	175.00	0.0000	P	25.1
2	☐	50.000	51.534	1772.37	0.0003	P	7.7
3	☐	500.000	516.863	16106.11	0.0024	P	2.8
4	☐	5000.000	5578.253	165133.93	0.0257	P	0.4
5	☐	12500.000	14457.365	405179.42	0.0665	P	5.8
6	☐	25000.000	26777.061	794773.01	0.1232	P	2.5
7	☐	50000.000	54069.911	1558340.20	0.2487	A	1.9
8	☐	100000.00	105572.06	3194267.85	0.4855	A	0.6
9	☐	500000.00	498335.01	14824773.94	2.2918	A	0.7

$$y = 4.5989\text{E-}006 * x + 2.6811\text{E-}005$$

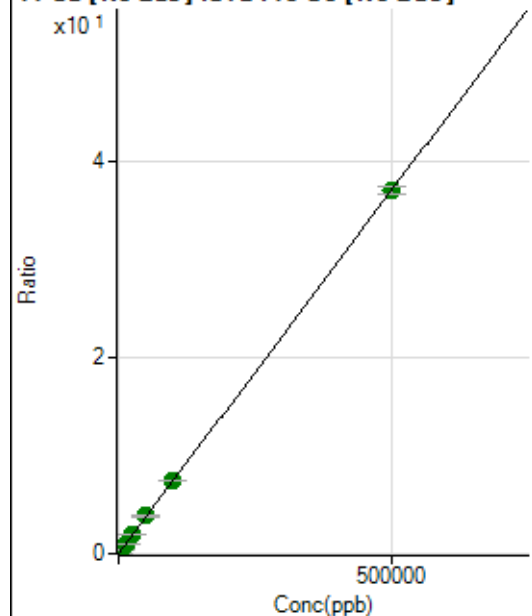
$$R = 0.9999$$

$$DL = 4.396$$

$$BEC = 5.83$$

Weight: <None>

Min Conc: 0

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

	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	10053.64	0.0015	P	5.5
2	☐	50.000	46.443	33543.29	0.0050	P	3.5
3	☐	500.000	511.536	264299.92	0.0394	P	1.4
4	☐	5000.000	5344.722	2556412.95	0.3976	A	1.5
5	☐	12500.000	13576.376	6136149.31	1.0075	A	6.3
6	☐	25000.000	25537.399	12220690.55	1.8938	A	2.2
7	☐	50000.000	52022.648	24163146.55	3.8563	A	2.0
8	☐	100000.00	101374.61	49428158.74	7.5133	A	0.6
9	☐	500000.00	499465.57	239398694.24	37.0112	A	2.0

$$y = 7.4099\text{E-}005 * x + 0.0015$$

$$R = 1.0000$$

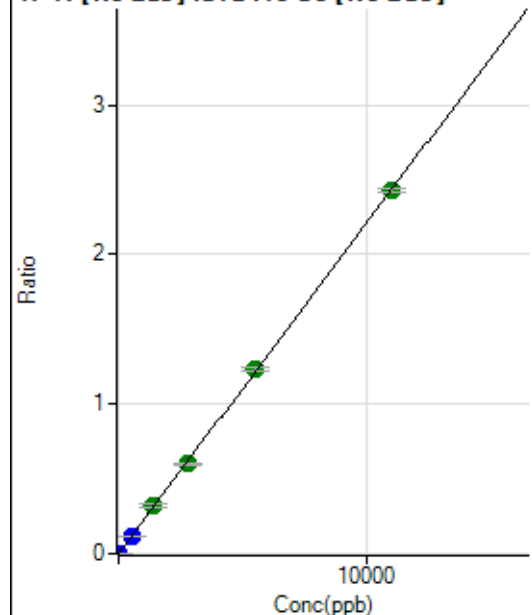
$$DL = 3.453$$

$$BEC = 20.84$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	66.67	0.0000	P	34.6
2	☐	0.500	0.543	872.27	0.0001	P	17.1
3	☐	5.000	4.945	7393.64	0.0011	P	2.8
4	☐	550.000	550.133	782076.63	0.1216	P	0.4
5	☐	1375.000	1462.504	1969020.03	0.3233	A	6.4
6	☐	2750.000	2720.978	3881445.31	0.6015	A	2.3
7	☐	5500.000	5559.587	7700937.84	1.2290	A	1.9
8	☐	11000.000	10966.518	15948976.75	2.4243	A	1.0
9	☐			3128.18	0.0005	P	3.4

$$y = 2.2106E-004 * x + 1.0284E-005$$

$$R = 0.9999$$

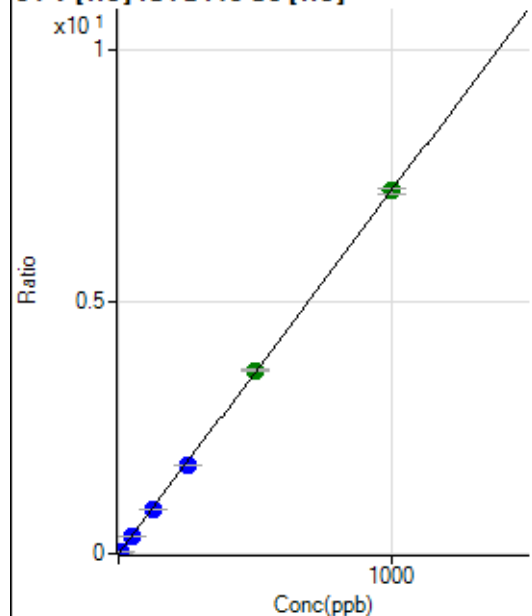
$$DL = 0.04824$$

$$BEC = 0.04652$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	14.45	0.0000	P	52.1
2	☐	0.500	0.471	1950.15	0.0034	P	0.7
3	☐	5.000	4.820	20292.61	0.0347	P	0.6
4	☐	50.000	49.047	203743.98	0.3528	P	1.3
5	☐	125.000	122.511	501772.53	0.8813	P	0.6
6	☐	250.000	242.587	991187.85	1.7450	P	0.5
7	☐	500.000	505.511	2067504.62	3.6362	A	0.5
8	☐	1000.000	999.457	4205509.80	7.1892	A	1.6
9	☐			1120.05	0.0019	P	9.7

$$y = 0.0072 * x + 2.5689E-005$$

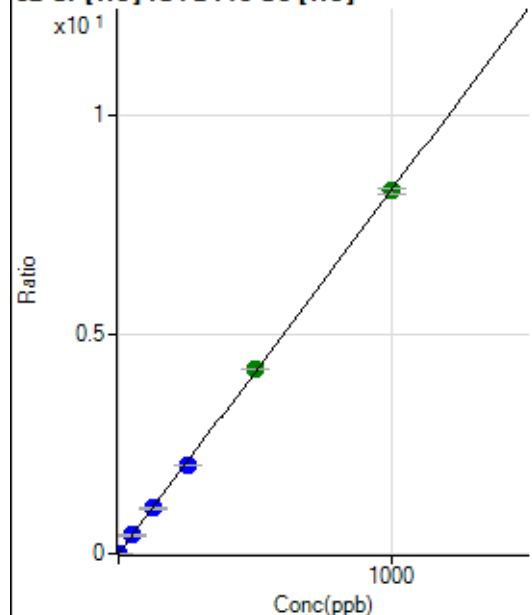
$$R = 1.0000$$

$$DL = 0.005577$$

$$BEC = 0.003571$$

Weight: <None>

Min Conc: 0

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

	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	1779.01	0.0031	P	6.1
2	☐	0.200	0.198	2723.61	0.0048	P	4.0
3	☐	2.000	1.915	11123.08	0.0190	P	2.4
4	☐	50.000	49.972	241241.18	0.4177	P	0.4
5	☐	125.000	124.259	588789.23	1.0341	P	0.8
6	☐	250.000	243.874	1151057.12	2.0265	P	0.3
7	☐	500.000	507.202	2394545.41	4.2113	A	0.5
8	☐	1000.000	998.025	4845815.59	8.2837	A	1.3
9	☐			10561.56	0.0184	P	1.5

$$y = 0.0083 * x + 0.0031$$

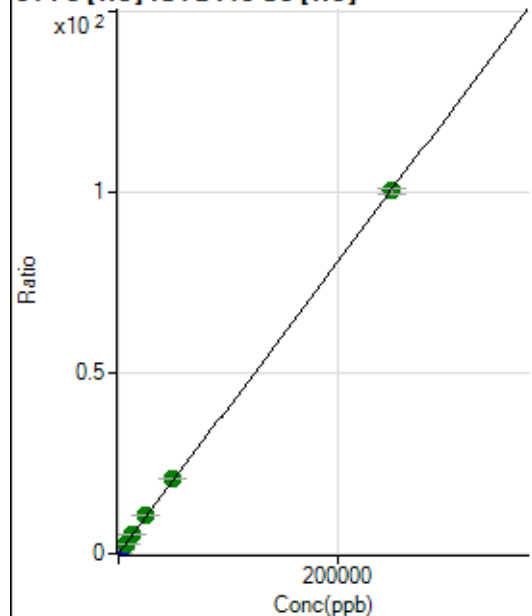
$$R = 0.9999$$

$$DL = 0.06874$$

$$BEC = 0.377$$

Weight: <None>

Min Conc: 0

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

	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	2159.05	0.0038	P	14.5
2	☐	5.000	5.276	3387.21	0.0059	P	2.1
3	☐	50.000	53.248	14765.73	0.0252	P	3.5
4	☐	2500.000	2682.831	625876.99	1.0838	P	0.3
5	☐	6250.000	6659.310	1528531.98	2.6846	A	0.5
6	☐	12500.000	13136.737	3005981.06	5.2921	A	1.2
7	☐	25000.000	26153.743	5988409.14	10.5321	A	0.5
8	☐	50000.000	51846.184	12211627.45	20.8748	A	1.3
9	☐	250000.00	249471.49	57708622.42	100.4299	A	1.4

$$y = 4.0256E-004 * x + 0.0038$$

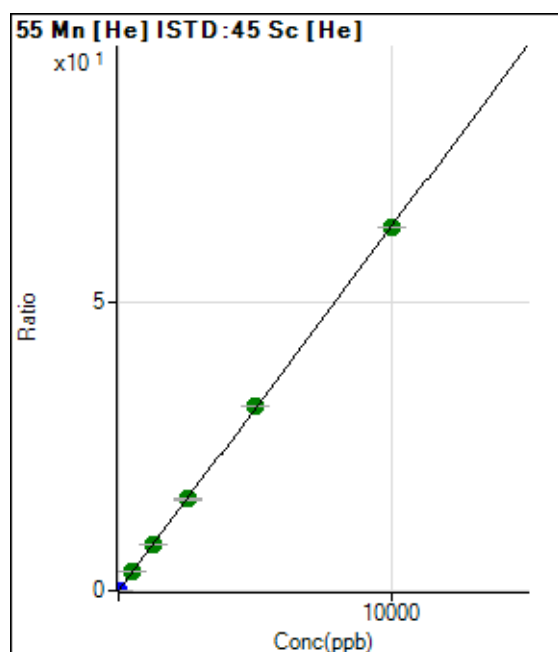
$$R = 1.0000$$

$$DL = 4.114$$

$$BEC = 9.465$$

Weight: <None>

Min Conc: 0



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	228.90	0.0004	P	14.6
2	☐	0.100	0.118	654.47	0.0011	P	3.3
3	☐	1.000	0.967	3811.63	0.0065	P	0.6
4	☐	500.000	524.289	1916091.97	3.3178	A	0.7
5	☐	1250.000	1287.151	4637533.37	8.1448	A	0.4
6	☐	2500.000	2508.899	9017168.34	15.8754	A	0.8
7	☐	5000.000	5059.223	18201973.06	32.0126	A	0.4
8	☐	10000.000	9962.305	36876964.45	63.0368	A	0.1
9	☐			20917.95	0.0364	P	2.1

$$y = 0.0063 * x + 4.0136E-004$$

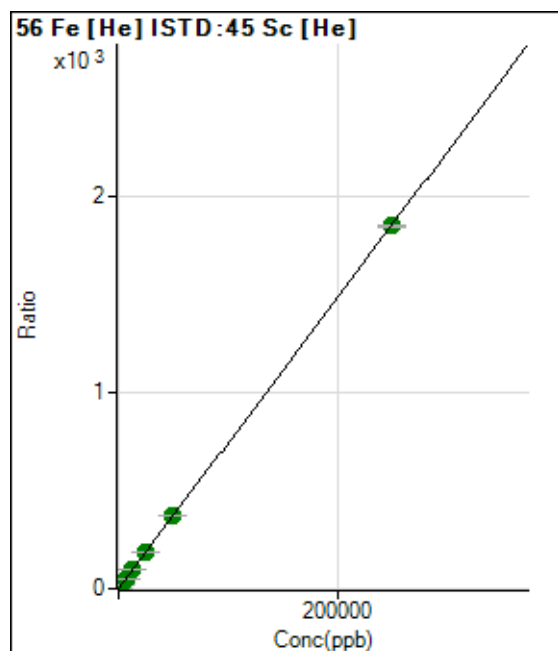
$$R = 1.0000$$

$$DL = 0.02783$$

$$BEC = 0.06343$$

Weight: <None>

Min Conc: 0



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	19562.94	0.0344	P	6.6
2	☐	5.000	5.059	41037.65	0.0719	P	2.2
3	☐	50.000	51.324	242492.08	0.4146	P	1.3
4	☐	2500.000	2627.903	11263318.88	19.5031	A	0.7
5	☐	6250.000	6520.629	27525305.01	48.3422	A	1.3
6	☐	12500.000	12887.634	54250242.42	95.5118	A	0.7
7	☐	25000.000	25715.187	108340235.75	190.5441	A	0.8
8	☐	50000.000	50589.247	219273243.79	374.8223	A	0.3
9	☐	250000.00	249783.20	1063390912.6	1,850.540	A	0.3

$$y = 0.0074 * x + 0.0344$$

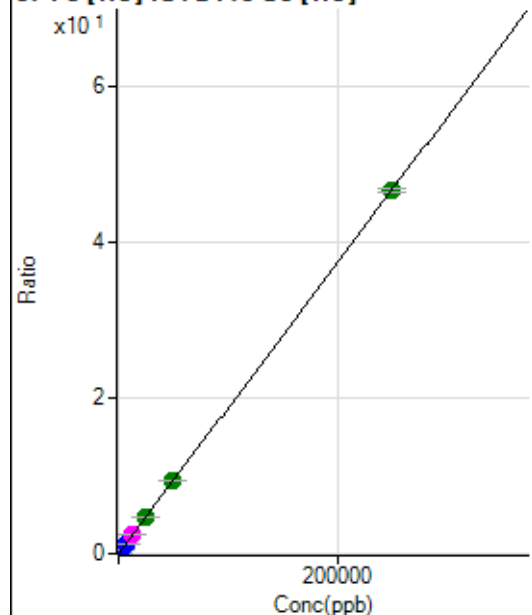
$$R = 1.0000$$

$$DL = 0.9211$$

$$BEC = 4.645$$

Weight: <None>

Min Conc: 0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	722.26	0.0013	P	18.9
2	☐	5.000	4.100	1164.88	0.0020	P	8.7
3	☐	50.000	49.579	6149.51	0.0105	P	2.3
4	☐	2500.000	2577.304	278045.18	0.4815	P	0.7
5	☐	6250.000	6408.167	680530.87	1.1952	P	0.6
6	☐	12500.000	12815.567	1356725.10	2.3890	M	2.4
7	☐	25000.000	25711.468	2724536.87	4.7917	A	0.6
8	☐	50000.000	50495.686	5504369.22	9.4094	A	1.0
9	☐	250000.00	249809.21	26745712.87	46.5444	A	0.9

$$y = 1.8631\text{E-}004 * x + 0.0013$$

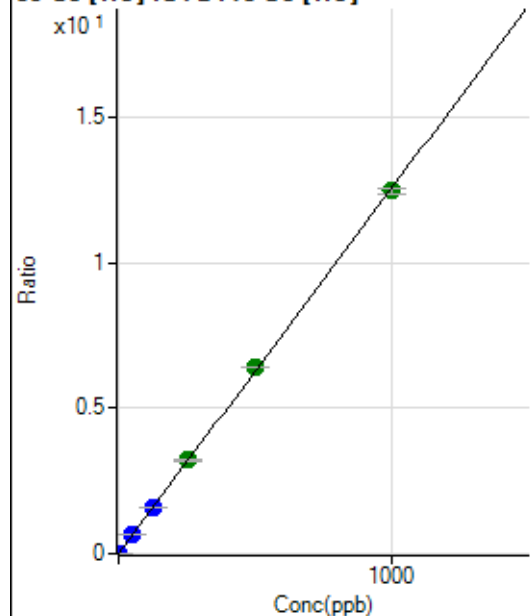
$$R = 1.0000$$

$$DL = 3.889$$

$$BEC = 6.858$$

Weight: <None>

Min Conc: 0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	283.34	0.0005	P	20.2
2	☐	0.100	0.091	936.70	0.0016	P	4.9
3	☐	1.000	1.033	7867.71	0.0135	P	4.7
4	☐	50.000	50.543	366295.86	0.6343	P	0.7
5	☐	125.000	125.233	894469.52	1.5709	P	0.4
6	☐	250.000	256.988	1830467.51	3.2231	A	2.1
7	☐	500.000	509.659	3634143.04	6.3915	A	0.3
8	☐	1000.000	993.367	7287254.26	12.4571	A	1.5
9	☐			18755.19	0.0326	P	1.3

$$y = 0.0125 * x + 5.0050\text{E-}004$$

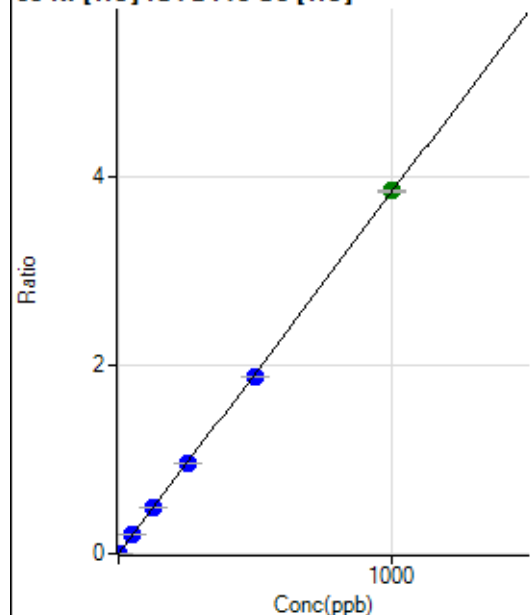
$$R = 0.9999$$

$$DL = 0.02424$$

$$BEC = 0.03991$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	165.28	0.0003	P	17.9
2	☐	0.100	0.102	390.18	0.0007	P	1.7
3	☐	1.000	1.059	2539.12	0.0043	P	2.4
4	☐	50.000	51.502	113977.49	0.1974	P	0.5
5	☐	125.000	126.810	276464.51	0.4855	P	0.6
6	☐	250.000	249.497	542422.34	0.9550	P	1.0
7	☐	500.000	490.552	1067493.90	1.8774	P	0.3
8	☐	1000.000	1004.548	2248876.52	3.8443	A	0.7
9	☐			6578.87	0.0114	P	1.5

$$y = 0.0038 * x + 2.9132E-004$$

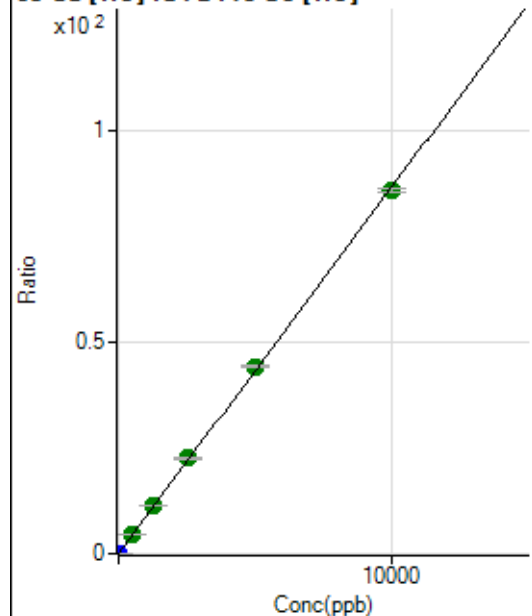
$$R = 0.9999$$

$$DL = 0.04097$$

$$BEC = 0.07613$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	2124.61	0.0037	P	7.7
2	☐	0.200	0.192	3082.56	0.0054	P	5.0
3	☐	2.000	2.070	12674.34	0.0217	P	1.0
4	☐	500.000	532.853	2668955.99	4.6221	A	1.7
5	☐	1250.000	1326.687	6549292.47	11.5024	A	0.7
6	☐	2500.000	2599.504	12798084.67	22.5341	A	1.7
7	☐	5000.000	5118.008	25223696.29	44.3625	A	0.9
8	☐	10000.000	9904.891	50221957.58	85.8514	A	1.1
9	☐			17594.84	0.0306	P	2.7

$$y = 0.0087 * x + 0.0037$$

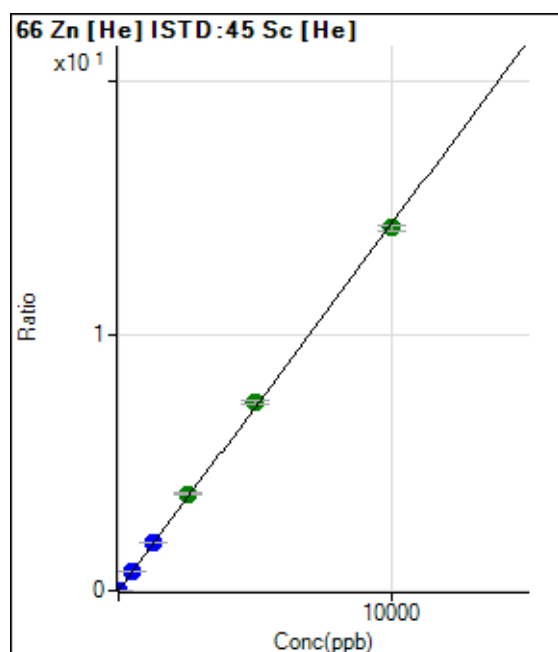
$$R = 0.9998$$

$$DL = 0.1$$

$$BEC = 0.4309$$

Weight: <None>

Min Conc: 0



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	692.25	0.0012	P	8.3
2	☐	0.200	0.249	900.04	0.0016	P	4.6
3	☐	2.000	2.206	2566.91	0.0044	P	0.5
4	☐	500.000	515.955	428846.74	0.7426	P	1.2
5	☐	1250.000	1285.626	1052606.31	1.8486	P	0.3
6	☐	2500.000	2640.837	2155980.40	3.7961	A	2.1
7	☐	5000.000	5139.116	4199502.12	7.3861	A	1.2
8	☐	10000.000	9889.982	8314297.38	14.2130	A	1.7
9	☐			11455.60	0.0199	P	3.9

$$y = 0.0014 * x + 0.0012$$

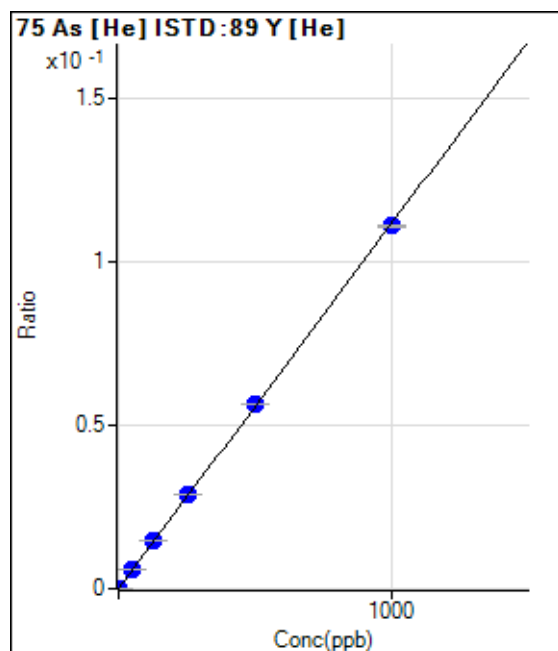
$$R = 0.9997$$

$$DL = 0.212$$

$$BEC = 0.8481$$

Weight: <None>

Min Conc: 0



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	21.61	0.0000	P	11.7
2	☐	0.100	0.115	81.48	0.0000	P	16.6
3	☐	1.000	1.004	561.13	0.0001	P	0.5
4	☐	50.000	51.838	27384.44	0.0058	P	0.1
5	☐	125.000	132.452	67868.67	0.0148	P	0.9
6	☐	250.000	256.038	132753.18	0.0286	P	0.5
7	☐	500.000	507.346	264890.73	0.0567	P	0.3
8	☐	1000.000	993.794	534412.23	0.1110	P	0.4
9	☐			269.14	0.0001	P	10.7

$$y = 1.1165E-004 * x + 4.6302E-006$$

$$R = 0.9999$$

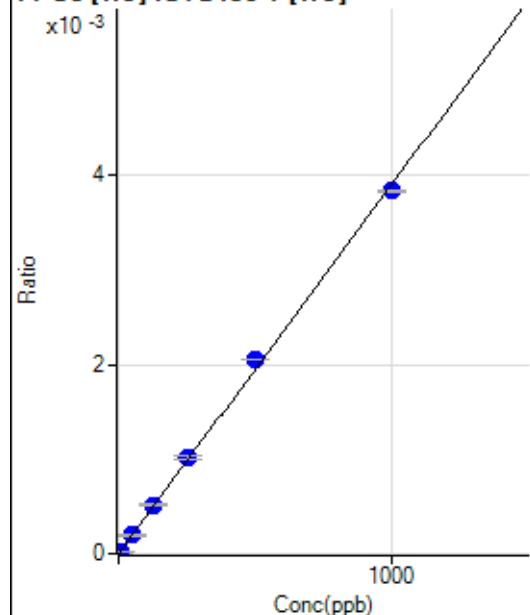
$$DL = 0.01458$$

$$BEC = 0.04147$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	2.22	0.0000	P	173.
2	☐	0.500	0.558	12.22	0.0000	P	105.
3	☐	5.000	5.029	96.67	0.0000	P	23.4
4	☐	50.000	49.996	924.48	0.0002	P	4.0
5	☐	125.000	131.929	2363.54	0.0005	P	1.9
6	☐	250.000	260.464	4719.69	0.0010	P	4.5
7	☐	500.000	526.018	9598.75	0.0021	P	0.3
8	☐	1000.000	983.509	18482.73	0.0038	P	0.8
9	☐			8.89	0.0000	P	21.4

$$y = 3.9018\text{E-}006 * x + 4.6618\text{E-}007$$

$$R = 0.9994$$

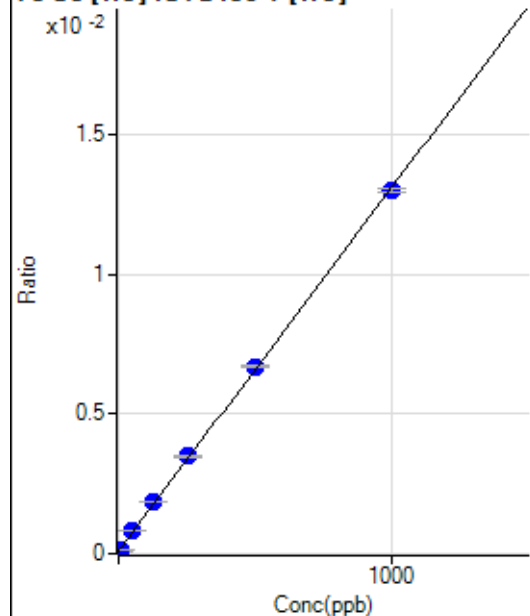
$$DL = 0.6208$$

$$BEC = 0.1195$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	458.65	0.0001	P	13.6
2	☐	0.500	0.808	513.59	0.0001	P	6.8
3	☐	5.000	4.667	768.54	0.0002	P	5.2
4	☐	50.000	54.612	3830.14	0.0008	P	1.6
5	☐	125.000	134.350	8480.23	0.0018	P	0.2
6	☐	250.000	260.614	16213.22	0.0035	P	1.9
7	☐	500.000	508.419	31414.02	0.0067	P	0.9
8	☐	1000.000	991.739	62659.79	0.0130	P	1.2
9	☐			484.58	0.0001	P	5.3

$$y = 1.3019\text{E-}005 * x + 9.9214\text{E-}005$$

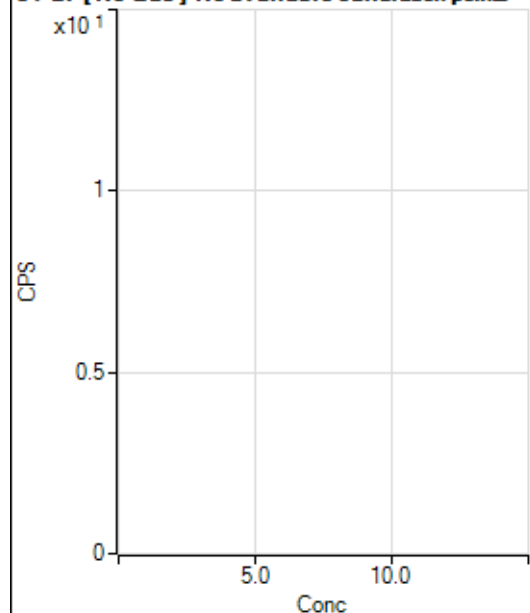
$$R = 0.9999$$

$$DL = 3.116$$

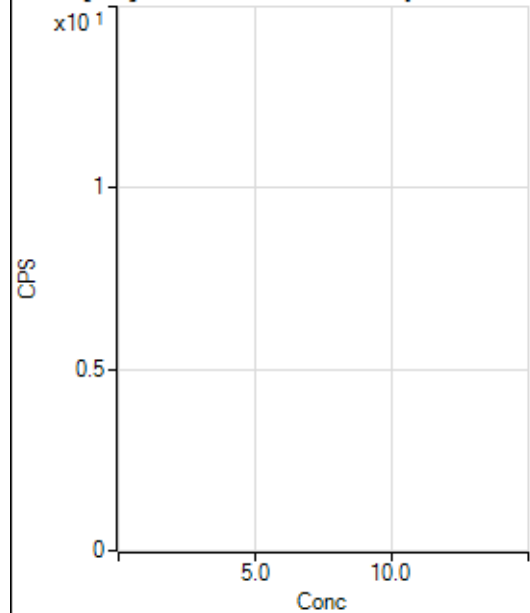
$$BEC = 7.621$$

Weight: <None>

Min Conc: 0

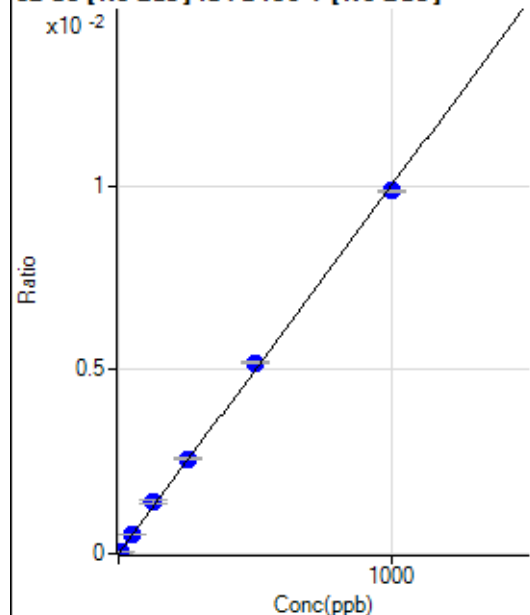
81 Br [No Gas] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			33363.55		P	2.1
2	☐			33366.09		P	3.8
3	☐			33822.69		P	1.2
4	☐			33605.63		P	1.8
5	☐			31907.43		P	0.6
6	☐			31979.74		P	0.4
7	☐			31651.33		P	0.4
8	☐			32425.15		P	1.9
9	☐			32670.17		P	2.9

81 Br [He] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			130.13		P	42.8
2	☐			110.11		P	15.7
3	☐			100.10		P	10.0
4	☐			76.74		P	19.9
5	☐			120.12		P	22.1
6	☐			103.44		P	20.1
7	☐			116.79		P	17.8
8	☐			126.80		P	31.9
9	☐			173.52		P	29.0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	-259.21	0.0000	P	-71.
2	☒	0.500					
3	☐	5.000	6.364	853.78	0.0000	P	14.5
4	☐	50.000	53.048	8688.86	0.0005	P	1.1
5	☐	125.000	140.163	22275.58	0.0014	P	9.5
6	☐	250.000	257.862	44085.26	0.0026	P	1.4
7	☐	500.000	518.760	86090.58	0.0052	P	1.0
8	☐	1000.000	986.600	170683.20	0.0099	P	0.4
9	☐			311.67	0.0000	P	122.

$$y = 1.0009\text{E-}005 * x - 1.5229\text{E-}005$$

$$R = 0.9996$$

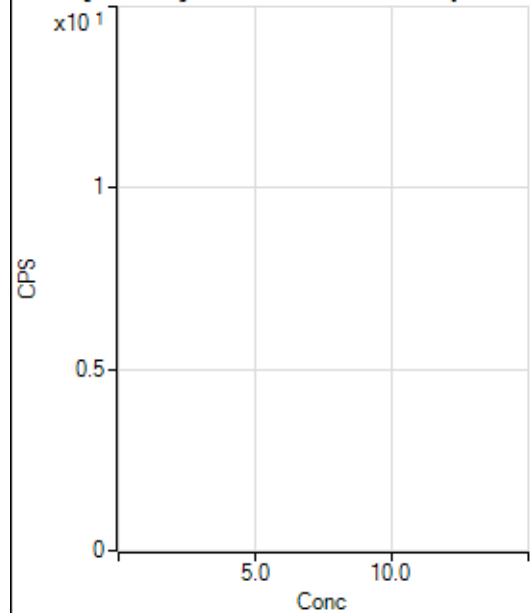
$$DL = 3.27$$

$$BEC = -1.521$$

Weight: <None>

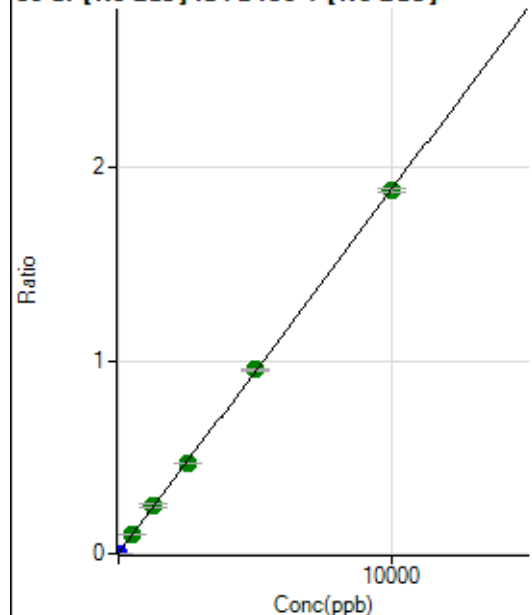
Min Conc: 0

83 Kr [No Gas] No available calibration points



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐			15427.05		P	2.2
2	☐			15388.11		P	1.3
3	☐			15484.85		P	1.7
4	☐			15759.63		P	1.1
5	☐			15311.35		P	1.4
6	☐			14955.45		P	1.6
7	☐			14976.57		P	1.7
8	☐			14882.03		P	0.4
9	☐			14677.40		P	1.8

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	24378.97	0.0014	P	1.1
2	☐	0.100	0.004	25216.47	0.0014	P	4.8
3	☐	1.000	0.854	27991.01	0.0016	P	1.3
4	☐	500.000	521.608	1681018.53	0.0998	A	1.2
5	☐	1250.000	1338.356	4077628.09	0.2538	A	7.6
6	☐	2500.000	2486.745	8081507.21	0.4703	A	0.6
7	☐	5000.000	5049.696	15857814.24	0.9536	A	0.9
8	☐	10000.000	9966.341	32555822.60	1.8807	A	1.0
9	☐			48722.70	0.0029	P	2.1

$$y = 1.8856E-004 * x + 0.0014$$

$$R = 0.9999$$

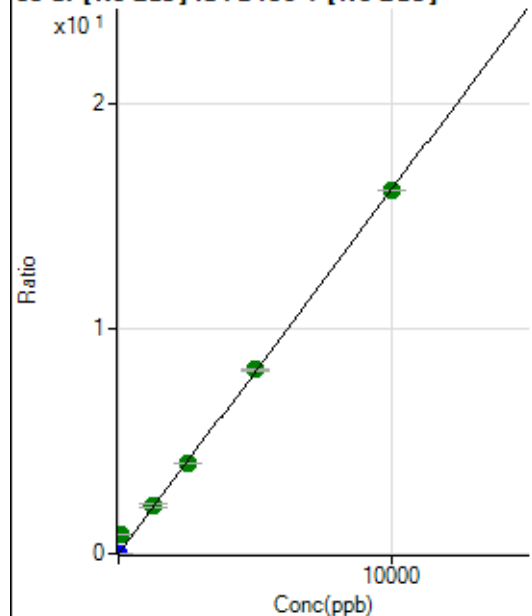
$$DL = 0.2439$$

$$BEC = 7.579$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	388.90	0.0000	P	11.7
2	☐	0.100	0.094	3083.73	0.0002	P	8.1
3	☐	1.000	0.996	28784.30	0.0016	P	0.2
4	☐	50.000	514.337	14031094.24	0.8329	A	0.6
5	☐	1250.000	1338.097	34800056.68	2.1667	A	8.3
6	☐	2500.000	2468.990	68696183.48	3.9979	A	0.2
7	☐	5000.000	5051.143	136005332.20	8.1791	A	1.4
8	☐	10000.000	9968.847	279433059.02	16.1421	A	0.1
9	☐			221083.24	0.0133	P	1.8

$$y = 0.0016 * x + 2.2794E-005$$

$$R = 0.9990$$

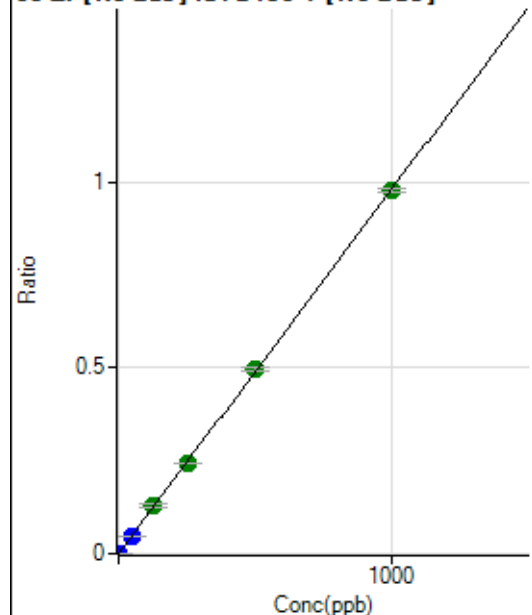
$$DL = 0.004948$$

$$BEC = 0.01408$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	888.94	0.0001	P	17.1
2	☐	0.100	0.084	2372.48	0.0001	P	3.6
3	☐	1.000	0.953	17382.91	0.0010	P	1.5
4	☐	50.000	49.783	823901.18	0.0489	P	0.9
5	☐	125.000	132.482	2088934.59	0.1300	A	8.1
6	☐	250.000	248.064	4183197.79	0.2435	A	0.6
7	☐	500.000	506.759	8269183.26	0.4973	A	1.4
8	☐	1000.000	996.180	16921913.92	0.9775	A	0.9
9	☐			10851.53	0.0007	P	1.4

$$y = 9.8124\text{E-}004 * x + 5.2131\text{E-}005$$

$$R = 0.9999$$

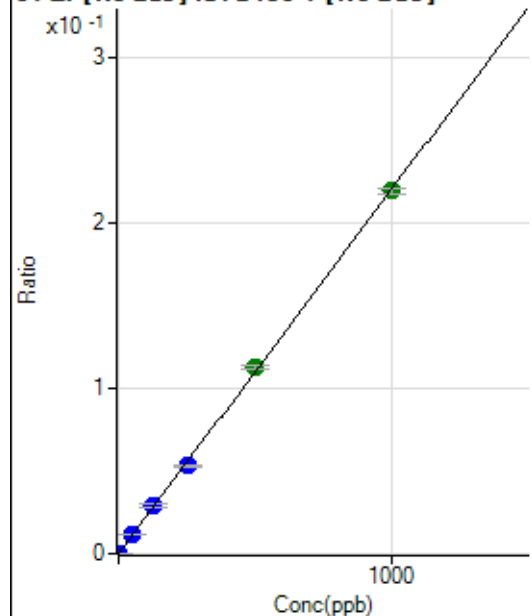
$$DL = 0.02725$$

$$BEC = 0.05313$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	155.56	0.0000	P	13.6
2	☐	0.100	0.087	494.47	0.0000	P	22.7
3	☐	1.000	0.929	3767.24	0.0002	P	4.7
4	☐	50.000	50.514	187825.51	0.0111	P	1.5
5	☐	125.000	129.497	458873.09	0.0286	P	7.9
6	☐	250.000	241.178	913903.22	0.0532	P	1.2
7	☐	500.000	510.972	1873627.86	0.1127	A	1.8
8	☐	1000.000	996.132	3802546.40	0.2197	A	1.3
9	☐			2380.81	0.0001	P	6.7

$$y = 2.2051\text{E-}004 * x + 9.1189\text{E-}006$$

$$R = 0.9999$$

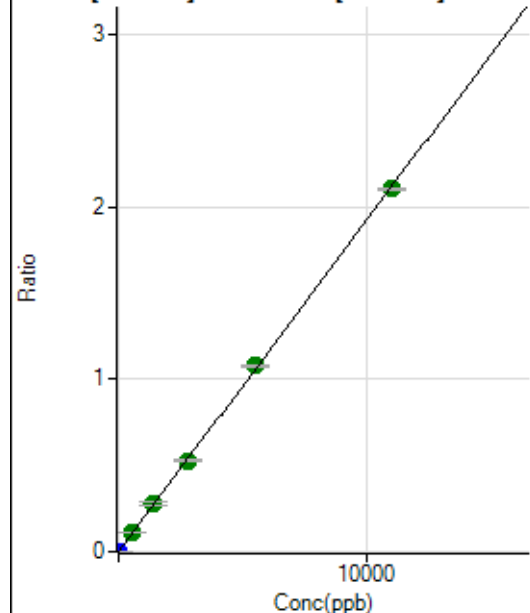
$$DL = 0.01684$$

$$BEC = 0.04135$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	302.79	0.0000	P	7.6
2	☐	0.500	0.529	2111.31	0.0001	P	7.1
3	☐	5.000	5.977	20578.82	0.0012	P	3.0
4	☐	550.000	574.552	1864492.71	0.1107	A	0.4
5	☐	1375.000	1473.433	4558935.52	0.2838	A	7.9
6	☐	2750.000	2741.468	9072631.19	0.5280	A	1.1
7	☐	5500.000	5597.664	17926571.58	1.0781	A	1.3
8	☐	11000.000	10939.769	36472652.20	2.1069	A	0.8
9	☐			13812.43	0.0008	P	7.0

$$y = 1.9259\text{E-}004 * x + 1.7745\text{E-}005$$

$$R = 0.9999$$

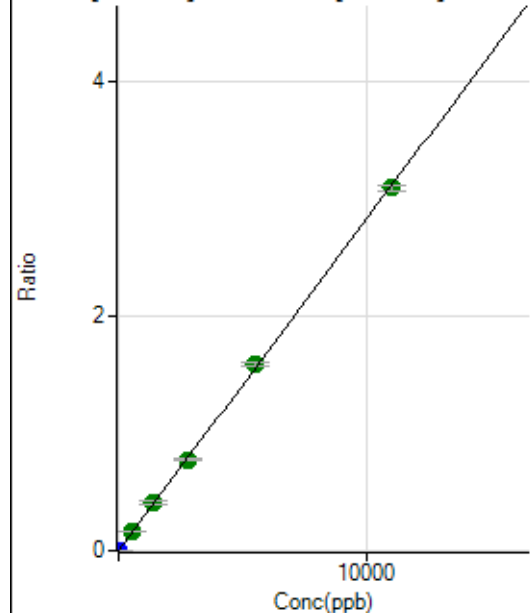
$$DL = 0.02113$$

$$BEC = 0.09214$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	88.89	0.0000	P	62.6
2	☐	0.500	0.465	2414.15	0.0001	P	1.8
3	☐	5.000	4.849	24198.38	0.0014	P	1.8
4	☐	550.000	569.546	2710406.51	0.1609	A	0.9
5	☐	1375.000	1468.274	6662828.27	0.4147	A	7.9
6	☐	2750.000	2731.822	13258840.75	0.7717	A	1.7
7	☐	5500.000	5620.991	26401596.25	1.5878	A	1.2
8	☐	11000.000	10931.413	53451139.39	3.0878	A	1.3
9	☐			16929.67	0.0010	P	4.7

$$y = 2.8247\text{E-}004 * x + 5.2166\text{E-}006$$

$$R = 0.9999$$

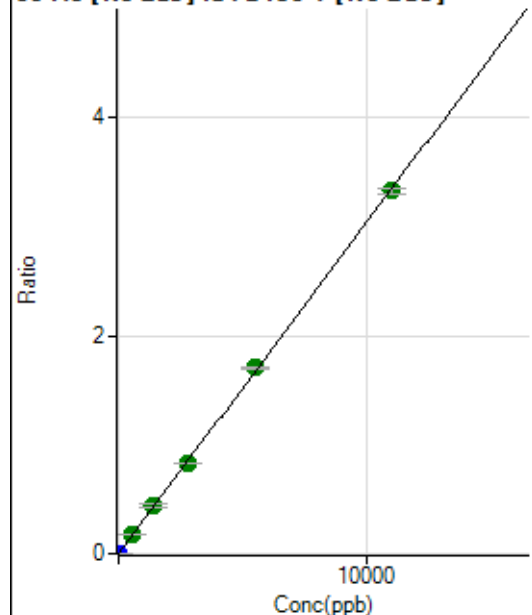
$$DL = 0.03467$$

$$BEC = 0.01847$$

Weight: <None>

Min Conc: 0

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



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	427.80	0.0000	P	16.0
2	☐	0.500	0.471	2964.26	0.0002	P	9.3
3	☐	5.000	5.089	27685.08	0.0016	P	1.7
4	☐	550.000	574.031	2941662.11	0.1746	A	1.7
5	☐	1375.000	1450.211	7085924.64	0.4411	A	8.1
6	☐	2750.000	2712.296	14175949.45	0.8250	A	0.9
7	☐	5500.000	5610.518	28376208.97	1.7065	A	1.3
8	☐	11000.000	10943.564	57620188.79	3.3286	A	1.7
9	☐			28648.10	0.0017	P	5.9

$$y = 3.0416\text{E-}004 * x + 2.5086\text{E-}005$$

$$R = 0.9999$$

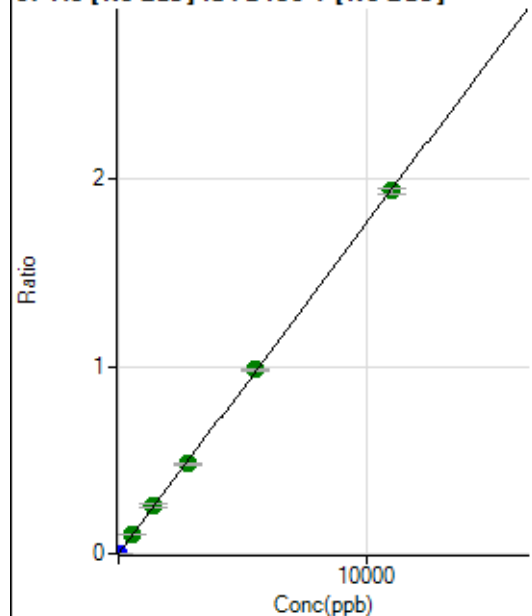
$$DL = 0.03951$$

$$BEC = 0.08248$$

Weight: <None>

Min Conc: 0

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



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	52.78	0.0000	P	50.9
2	☐	0.500	0.465	1505.67	0.0001	P	5.2
3	☐	5.000	4.761	14877.37	0.0008	P	3.1
4	☐	550.000	570.678	1700217.75	0.1009	A	1.2
5	☐	1375.000	1447.953	4113088.93	0.2561	A	8.2
6	☐	2750.000	2703.430	8214965.81	0.4781	A	0.6
7	☐	5500.000	5567.611	16373096.20	0.9846	A	1.0
8	☐	11000.000	10967.684	33574557.35	1.9395	A	1.3
9	☐			10640.27	0.0006	P	11.6

$$y = 1.7684\text{E-}004 * x + 3.0945\text{E-}006$$

$$R = 0.9999$$

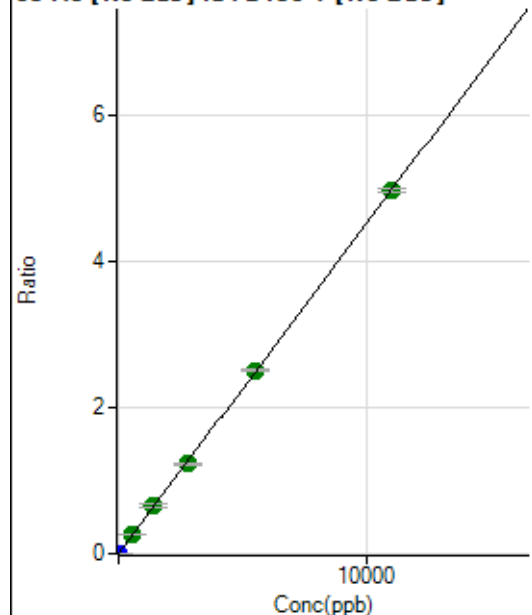
$$DL = 0.02672$$

$$BEC = 0.0175$$

Weight: <None>

Min Conc: 0

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



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	197.23	0.0000	P	43.9
2	☐	0.500	0.478	4008.99	0.0002	P	7.1
3	☐	5.000	4.971	39701.81	0.0023	P	0.5
4	☐	550.000	567.583	4316609.78	0.2562	A	0.6
5	☐	1375.000	1448.607	10503369.24	0.6539	A	8.2
6	☐	2750.000	2710.872	21025744.74	1.2237	A	1.5
7	☐	5500.000	5544.266	41615967.59	2.5027	A	1.2
8	☐	11000.000	10977.569	85779242.89	4.9553	A	1.2
9	☐			24827.35	0.0015	P	9.3

$$y = 4.5140\text{E-}004 * x + 1.1553\text{E-}005$$

$$R = 1.0000$$

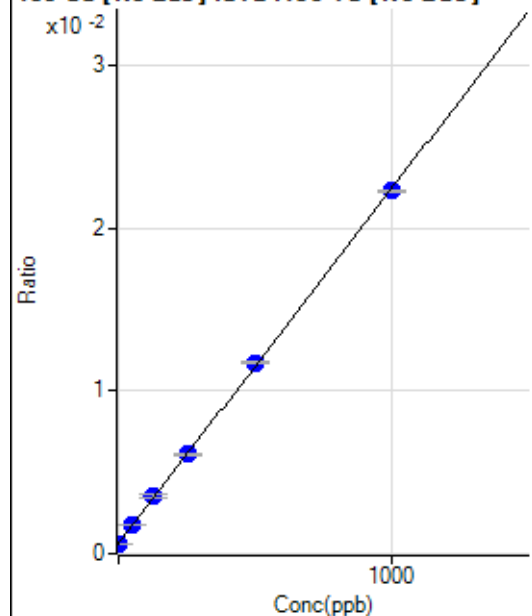
$$DL = 0.03371$$

$$BEC = 0.02559$$

Weight: <None>

Min Conc: 0

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



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	7871.65	0.0006	P	0.7
2	☐	0.100	-0.335	7930.03	0.0006	P	1.5
3	☐	1.000	0.245	8121.82	0.0006	P	3.4
4	☐	50.000	54.450	22321.47	0.0018	P	1.4
5	☐	125.000	135.948	42467.48	0.0036	P	6.5
6	☐	250.000	251.981	78386.11	0.0061	P	1.5
7	☐	500.000	507.894	144584.03	0.0117	P	1.0
8	☐	1000.000	993.968	281077.60	0.0223	P	0.6
9	☐			7861.93	0.0006	P	5.8

$$y = 2.1798\text{E-}005 * x + 6.2967\text{E-}004$$

$$R = 0.9999$$

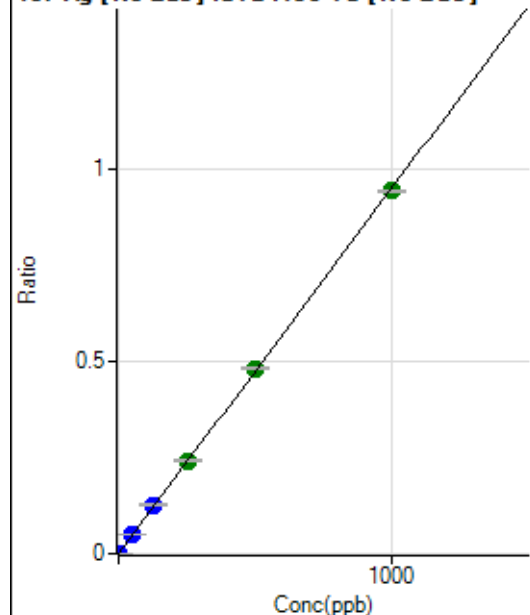
$$DL = 0.5711$$

$$BEC = 28.89$$

Weight: <None>

Min Conc: 0

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



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	101.39	0.0000	P	24.0
2	☒	0.100					
3	☐	1.000	0.978	11995.34	0.0009	P	3.1
4	☐	50.000	52.769	616628.56	0.0502	P	0.4
5	☐	125.000	133.241	1497716.16	0.1267	P	6.1
6	☐	250.000	254.594	3099459.64	0.2421	A	1.0
7	☐	500.000	508.086	5969882.51	0.4831	A	0.6
8	☐	1000.000	993.640	11910659.21	0.9448	A	0.6
9	☐			4377.10	0.0004	P	4.0

$$y = 9.5083\text{E-}004 * x + 8.1326\text{E-}006$$

$$R = 0.9999$$

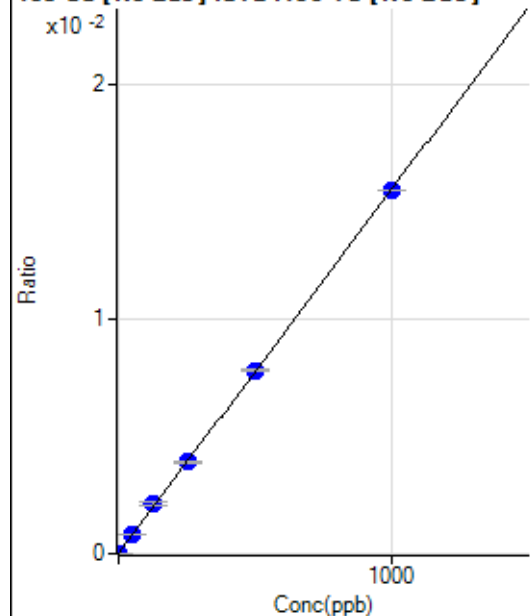
$$DL = 0.00617$$

$$BEC = 0.008553$$

Weight: <None>

Min Conc: 0

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



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	137.50	0.0000	P	19.1
2	☐	0.100	0.041	148.61	0.0000	P	20.2
3	☐	1.000	0.937	326.40	0.0000	P	7.0
4	☐	50.000	52.925	10203.69	0.0008	P	1.9
5	☐	125.000	138.045	25391.75	0.0021	P	6.3
6	☐	250.000	251.138	49920.29	0.0039	P	1.1
7	☐	500.000	503.201	96398.88	0.0078	P	0.5
8	☐	1000.000	996.338	194585.40	0.0154	P	0.1
9	☐			190.28	0.0000	P	4.1

$$y = 1.5481\text{E-}005 * x + 1.1015\text{E-}005$$

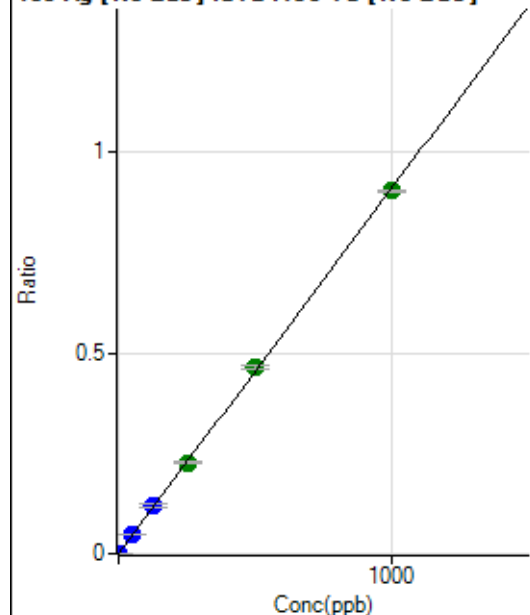
$$R = 0.9999$$

$$DL = 0.4085$$

$$BEC = 0.7115$$

Weight: <None>

Min Conc: 0

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

	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	27.78	0.0000	P	33.2
2	☐	0.100	0.064	772.25	0.0001	P	20.5
3	☐	1.000	0.975	11364.29	0.0009	P	3.8
4	☐	50.000	52.185	582620.03	0.0474	P	0.4
5	☐	125.000	133.219	1430533.96	0.1210	P	6.5
6	☐	250.000	249.325	2899982.01	0.2265	A	2.1
7	☐	500.000	510.486	5730840.40	0.4638	A	1.6
8	☐	1000.000	993.789	11382498.61	0.9029	A	0.7
9	☐			4092.30	0.0003	P	7.7

$$y = 9.0854\text{E-}004 * x + 2.2311\text{E-}006$$

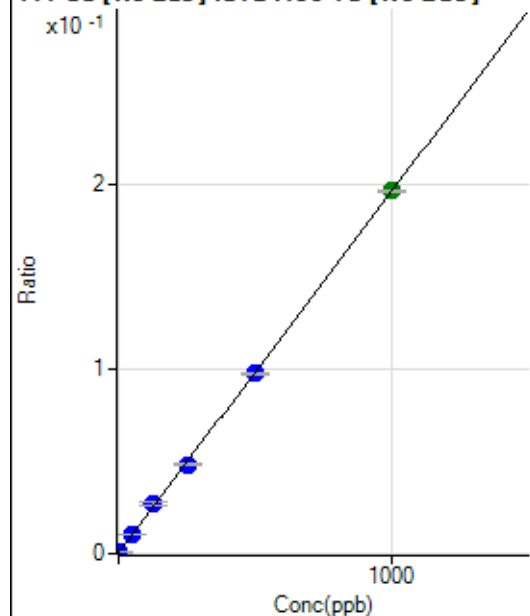
$$R = 0.9999$$

$$DL = 0.002444$$

$$BEC = 0.002456$$

Weight: <None>

Min Conc: 0

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

	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	5431.96	0.0004	P	0.7
2	☐	0.100	0.077	5727.56	0.0004	P	1.0
3	☐	1.000	0.991	8040.40	0.0006	P	3.4
4	☐	50.000	52.310	131325.44	0.0107	P	0.6
5	☐	125.000	134.345	316319.41	0.0268	P	6.7
6	☐	250.000	244.411	618830.29	0.0483	P	2.3
7	☐	500.000	496.745	1208495.75	0.0978	P	0.7
8	☐	1000.000	1001.741	2480683.37	0.1968	A	0.5
9	☐			6078.51	0.0005	P	5.6

$$y = 1.9600\text{E-}004 * x + 4.3450\text{E-}004$$

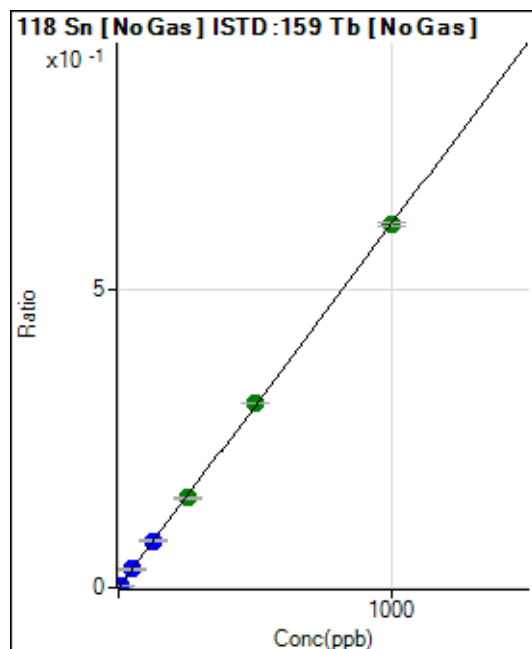
$$R = 0.9999$$

$$DL = 0.04358$$

$$BEC = 2.217$$

Weight: <None>

Min Conc: 0



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	941.73	0.0001	P	6.0
2	☐	0.500	0.481	4698.11	0.0004	P	6.1
3	☐	5.000	4.990	39995.21	0.0031	P	2.4
4	☐	50.000	50.236	378408.26	0.0308	P	0.6
5	☐	125.000	128.133	927254.92	0.0784	P	5.8
6	☐	250.000	246.311	1929229.90	0.1507	A	2.2
7	☐	500.000	506.204	3826050.22	0.3096	A	0.1
8	☐	1000.000	997.417	7689979.16	0.6100	A	1.2
9	☐			5598.47	0.0005	P	4.5

$$y = 6.1150E-004 * x + 7.5384E-005$$

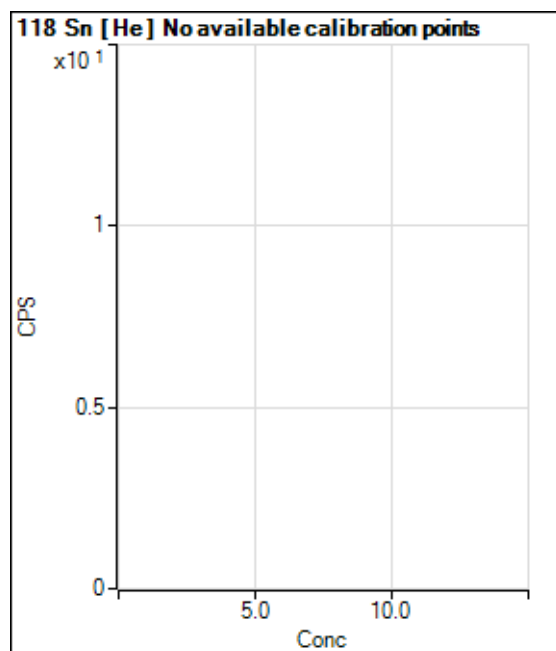
$$R = 1.0000$$

$$DL = 0.02231$$

$$BEC = 0.1233$$

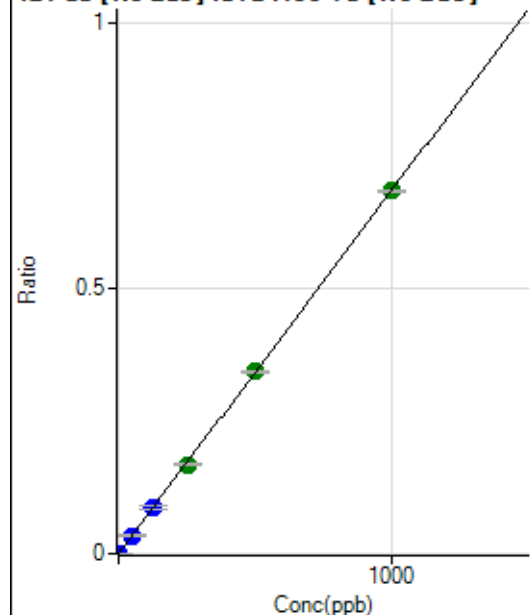
Weight: <None>

Min Conc: 0



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐			507.20		P	1.1
2	☐			2108.99		P	4.8
3	☐			18397.33		P	1.4
4	☐			174338.73		P	0.9
5	☐			429339.00		P	1.5
6	☐			850922.02		P	0.3
7	☐			1784824.50		A	1.4
8	☐			3612750.33		A	1.1
9	☐			2549.53		P	1.8

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	58.33	0.0000	P	22.8
2	☐	0.200	0.181	1630.67	0.0001	P	6.8
3	☐	2.000	1.941	17051.92	0.0013	P	1.7
4	☐	50.000	50.253	422732.12	0.0344	P	0.6
5	☐	125.000	127.983	1035317.12	0.0876	P	6.8
6	☐	250.000	246.319	2158487.94	0.1686	A	2.3
7	☐	500.000	502.172	4247522.36	0.3437	A	1.2
8	☐	1000.000	999.449	8624404.10	0.6841	A	0.4
9	☐			6102.76	0.0005	P	4.3

$$y = 6.8449\text{E-}004 * x + 4.6533\text{E-}006$$

$$R = 1.0000$$

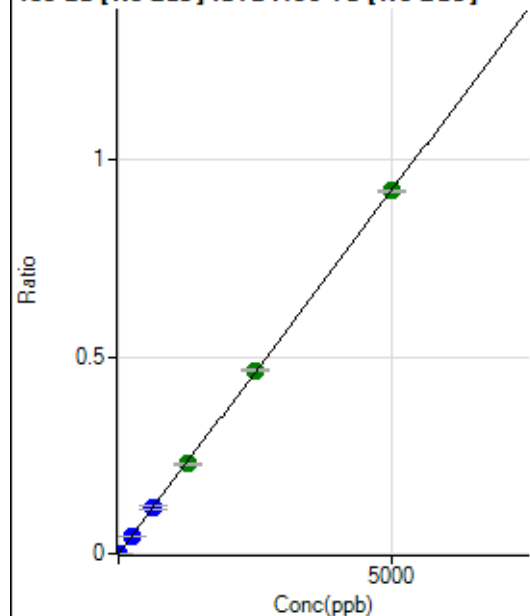
$$DL = 0.004646$$

$$BEC = 0.006798$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	27.78	0.0000	P	19.2
2	☐	1.000	0.902	2144.65	0.0002	P	3.8
3	☐	10.000	9.451	22328.95	0.0017	P	1.8
4	☐	250.000	246.794	559448.98	0.0455	P	0.8
5	☐	625.000	629.885	1373269.21	0.1162	P	6.6
6	☐	1250.000	1231.812	2909418.32	0.2272	A	1.0
7	☐	2500.000	2517.749	5739109.81	0.4645	A	1.0
8	☐	5000.000	4995.223	11616751.13	0.9215	A	0.9
9	☐			5740.23	0.0005	P	6.4

$$y = 1.8447\text{E-}004 * x + 2.2266\text{E-}006$$

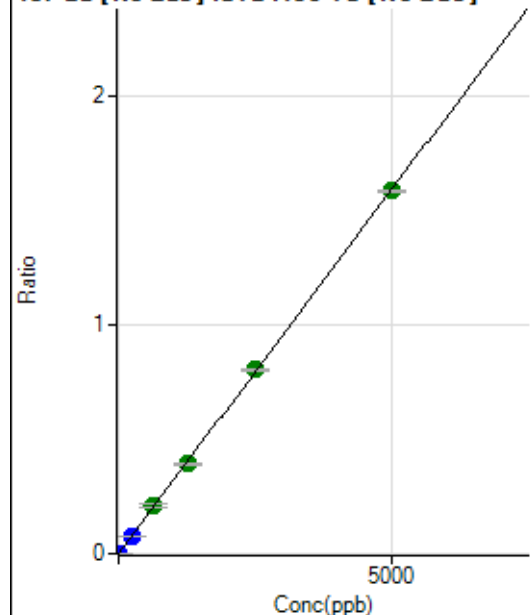
$$R = 1.0000$$

$$DL = 0.006936$$

$$BEC = 0.01207$$

Weight: <None>

Min Conc: 0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	44.45	0.0000	P	29.2
2	☐	1.000	0.916	3745.05	0.0003	P	7.7
3	☐	10.000	9.588	38984.55	0.0030	P	2.4
4	☐	250.000	248.839	970885.67	0.0790	P	0.5
5	☐	625.000	669.315	2510315.12	0.2125	A	7.8
6	☐	1250.000	1229.844	4999491.69	0.3905	A	1.7
7	☐	2500.000	2530.110	9926684.42	0.8033	A	1.1
8	☐	5000.000	4984.503	19951701.32	1.5826	A	0.7
9	☐			9811.97	0.0008	P	2.2

$$y = 3.1751\text{E-}004 * x + 3.5611\text{E-}006$$

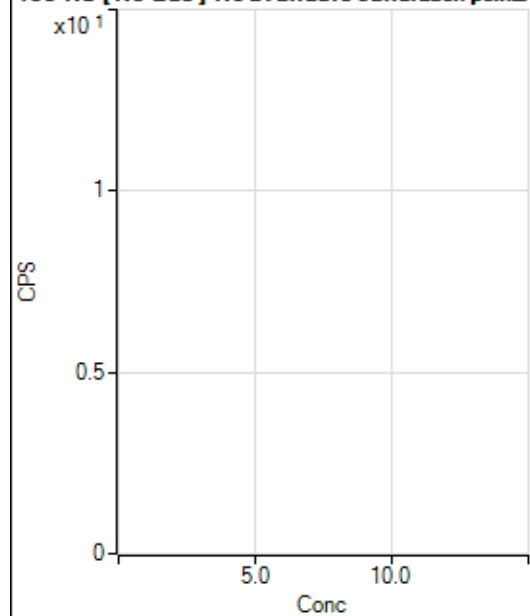
$$R = 0.9999$$

$$DL = 0.00983$$

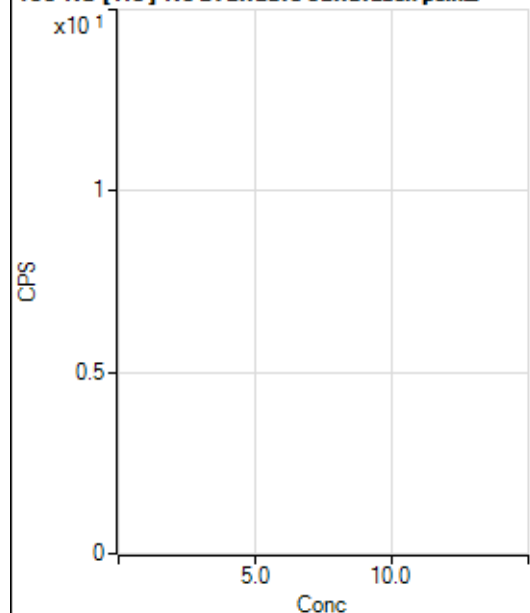
$$BEC = 0.01122$$

Weight: <None>

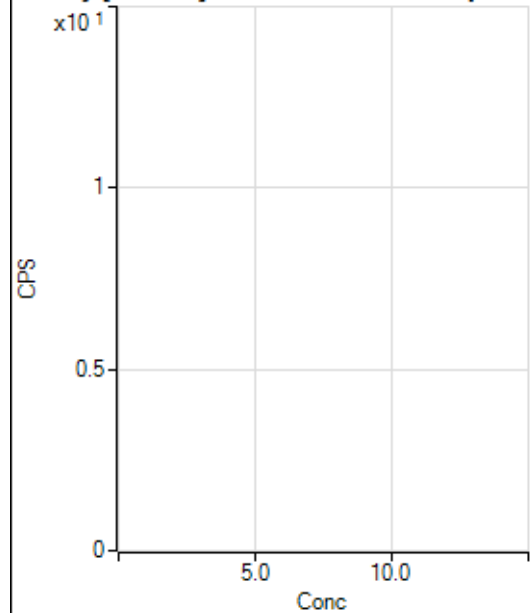
Min Conc: 0

150 Nd [No Gas] No available calibration points

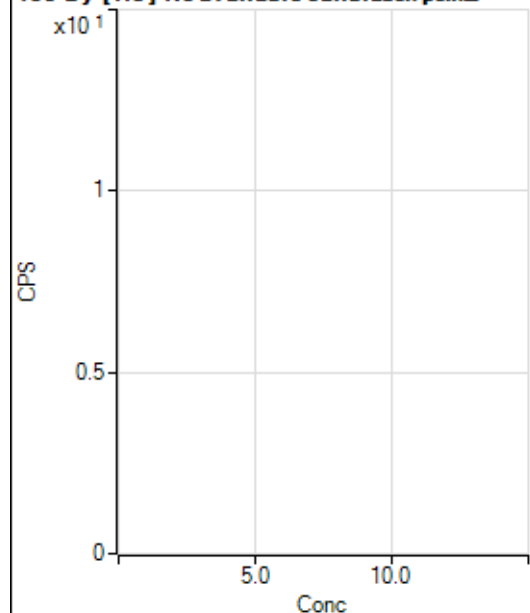
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐			2.22		P	173.
2	☐			6.67		P	173.
3	☐			6.67		P	100.
4	☐			68.89		P	20.1
5	☐			168.89		P	22.4
6	☐			344.46		P	21.2
7	☐			677.81		P	15.6
8	☐			1444.55		P	8.6
9	☐			100.00		P	13.3

150 Nd [He] No available calibration points

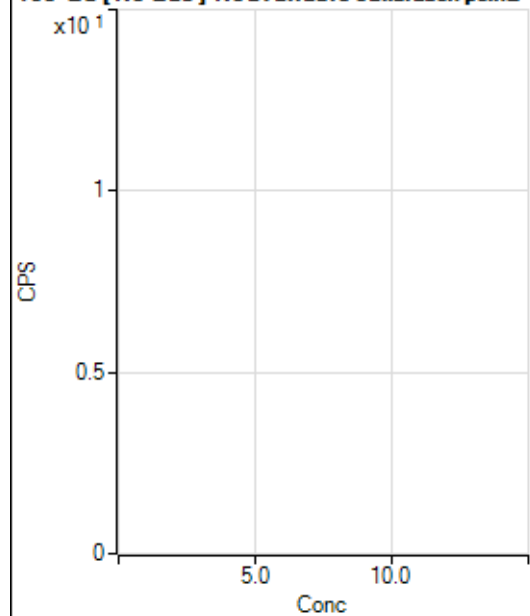
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			2.22		P	86.6
2	☐			0.00		P	
3	☐			1.11		P	173.
4	☐			13.33		P	25.0
5	☐			32.22		P	21.5
6	☐			76.67		P	23.0
7	☐			154.45		P	5.0
8	☐			277.78		P	14.8
9	☐			60.00		P	20.0

156 Dy [No Gas] No available calibration points

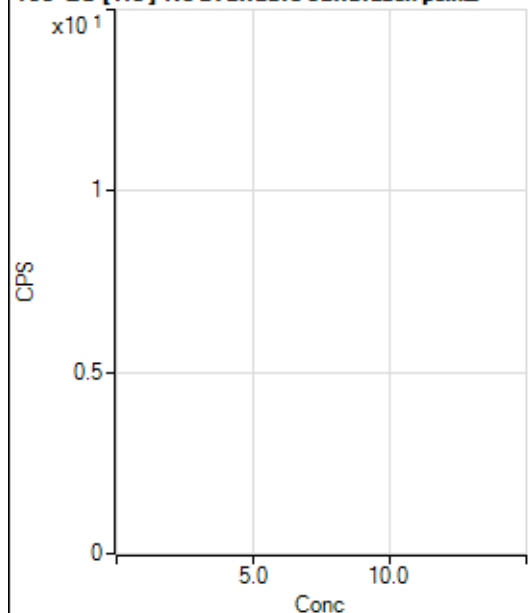
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			5.55		P	86.6
2	☐			0.00		P	
3	☐			16.67		P	50.0
4	☐			38.89		P	24.7
5	☐			111.12		P	34.6
6	☐			158.34		P	22.9
7	☐			308.34		P	20.4
8	☐			644.47		P	13.8
9	☐			2000.21		P	0.4

156 Dy [He] No available calibration points

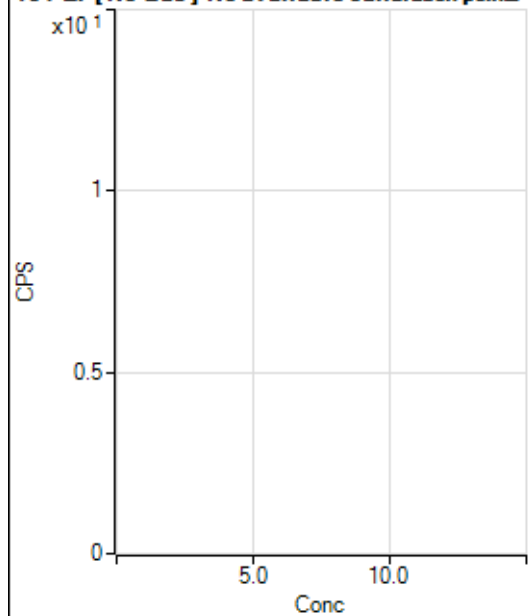
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			6.67		P	50.0
2	☐			6.67		P	50.0
3	☐			8.89		P	21.6
4	☐			31.11		P	16.4
5	☐			65.56		P	26.1
6	☐			146.67		P	23.7
7	☐			262.23		P	19.1
8	☐			580.02		P	13.0
9	☐			1428.98		P	0.9

160 Gd [No Gas] Noavailable calibration poin_

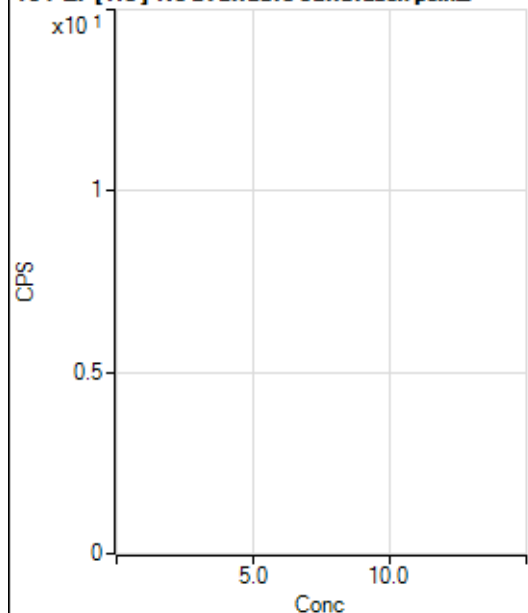
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			69.45		P	54.1
2	☐			61.11		P	20.8
3	☐			80.56		P	21.5
4	☐			80.56		P	29.9
5	☐			111.12		P	56.8
6	☐			152.78		P	32.9
7	☐			258.34		P	19.6
8	☐			461.13		P	17.4
9	☐			1647.36		P	4.8

160 Gd [He] No available calibration points

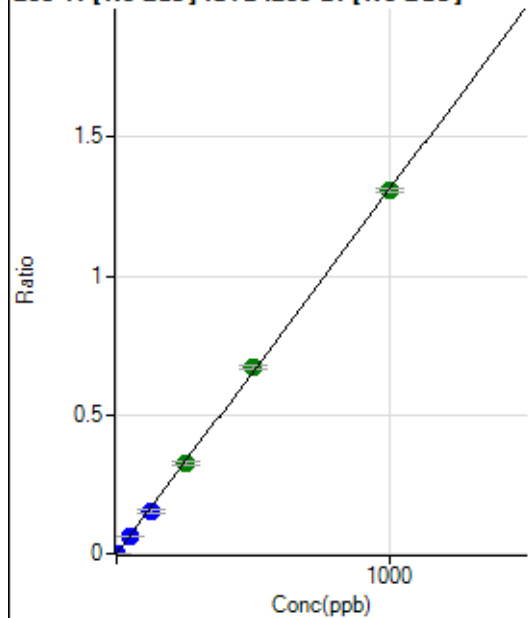
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			286.67		P	8.1
2	☐			270.00		P	5.7
3	☐			294.45		P	7.2
4	☐			316.67		P	12.1
5	☐			318.90		P	7.8
6	☐			323.34		P	5.4
7	☐			443.35		P	7.8
8	☐			502.24		P	2.3
9	☐			1480.09		P	6.7

164 Er [No Gas] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			105.56		P	16.4
2	☐			83.34		P	10.0
3	☐			97.22		P	21.6
4	☐			66.67		P	64.9
5	☐			105.56		P	40.5
6	☐			108.34		P	48.0
7	☐			113.89		P	4.2
8	☐			155.56		P	29.5
9	☐			330.57		P	6.3

164 Er [He] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐			58.89		P	48.1
2	☐			56.67		P	27.0
3	☐			44.45		P	15.6
4	☐			51.11		P	24.7
5	☐			54.44		P	3.5
6	☐			71.11		P	9.8
7	☐			85.55		P	12.5
8	☐			122.23		P	7.9
9	☐			221.12		P	11.5

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	763.93	0.0001	P	12.4
2	☐	0.100	0.074	1489.02	0.0002	P	8.2
3	☐	1.000	0.831	8639.14	0.0012	P	3.7
4	☐	50.000	45.629	417796.61	0.0600	P	0.5
5	☐	125.000	117.349	1026278.28	0.1541	P	6.8
6	☐	250.000	248.621	2314009.01	0.3264	A	2.7
7	☐	500.000	511.602	4582510.35	0.6715	A	2.2
8	☐	1000.000	995.719	8913995.17	1.3069	A	1.1
9	☐			2186.35	0.0004	P	9.3

$$y = 0.0013 * x + 1.0868E-004$$

$$R = 0.9999$$

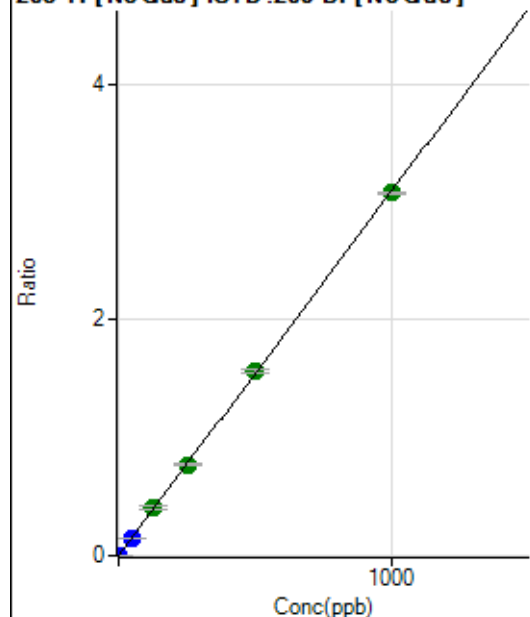
$$DL = 0.03087$$

$$BEC = 0.08281$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	1925.19	0.0003	P	5.7
2	☐	0.100	0.071	3586.70	0.0005	P	6.1
3	☐	1.000	0.842	20711.42	0.0029	P	1.5
4	☐	50.000	45.019	970935.75	0.1394	P	0.6
5	☐	125.000	132.175	2722712.34	0.4088	A	6.4
6	☐	250.000	248.567	5448871.09	0.7685	A	1.7
7	☐	500.000	508.442	10726285.83	1.5717	A	1.9
8	☐	1000.000	995.490	20987877.20	3.0771	A	0.7
9	☐			5420.71	0.0009	P	7.4

$$y = 0.0031 * x + 2.7394E-004$$

$$R = 0.9999$$

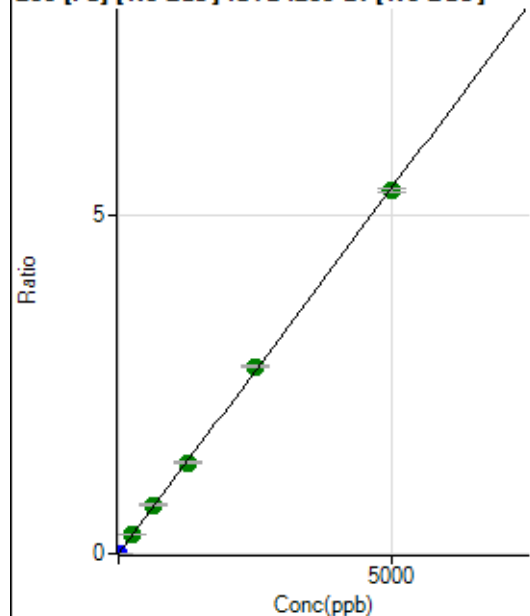
$$DL = 0.01525$$

$$BEC = 0.08863$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	364.83	0.0001	P	17.8
2	☐	0.100	0.075	961.16	0.0001	P	10.9
3	☐	1.000	0.853	6998.23	0.0010	P	2.4
4	☐	250.000	255.611	1919075.62	0.2756	A	1.0
5	☐	625.000	667.192	4790804.33	0.7192	A	6.0
6	☐	1250.000	1241.824	9490034.59	1.3385	A	1.6
7	☐	2500.000	2564.122	18861318.48	2.7637	A	1.7
8	☐	5000.000	4964.428	36496431.60	5.3508	A	1.2
9	☐			19818.82	0.0033	P	1.9

$$y = 0.0011 * x + 5.2001E-005$$

$$R = 0.9999$$

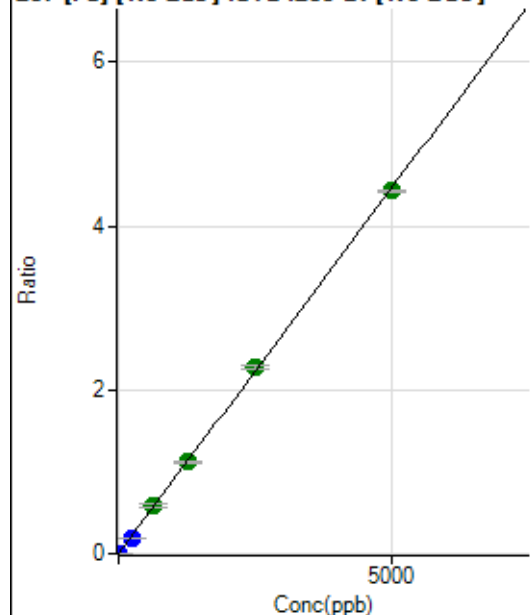
$$DL = 0.02581$$

$$BEC = 0.04825$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	285.19	0.0000	P	14.7
2	☐	0.100	0.072	761.15	0.0001	P	16.3
3	☐	1.000	0.881	5953.31	0.0008	P	1.3
4	☐	250.000	219.871	1366051.95	0.1961	P	0.5
5	☐	625.000	669.067	3972731.63	0.5968	A	7.4
6	☐	1250.000	1256.225	7944276.16	1.1205	A	1.6
7	☐	2500.000	2560.101	15583286.46	2.2834	A	1.6
8	☐	5000.000	4964.391	30199958.78	4.4279	A	0.4
9	☐			16047.10	0.0027	P	2.7

$$y = 8.9192\text{E-}004 * x + 4.0638\text{E-}005$$

$$R = 0.9998$$

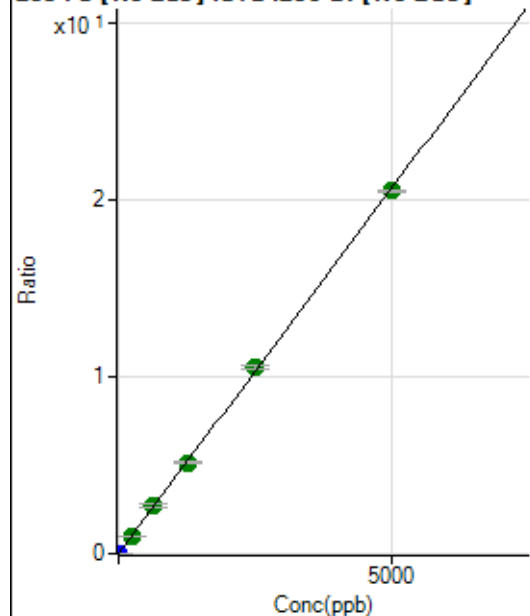
$$DL = 0.02015$$

$$BEC = 0.04556$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	1372.28	0.0002	P	5.4
2	☐	0.100	0.079	3778.06	0.0005	P	6.2
3	☐	1.000	0.860	27007.48	0.0037	P	1.0
4	☐	250.000	248.652	7154129.19	1.0272	A	0.7
5	☐	625.000	662.792	18235227.72	2.7378	A	6.3
6	☐	1250.000	1248.546	36564288.95	5.1573	A	2.0
7	☐	2500.000	2558.271	72111755.31	10.5671	A	1.9
8	☐	5000.000	4966.571	139920291.56	20.5145	A	0.3
9	☐			74797.99	0.0124	P	1.7

$$y = 0.0041 * x + 1.9540\text{E-}004$$

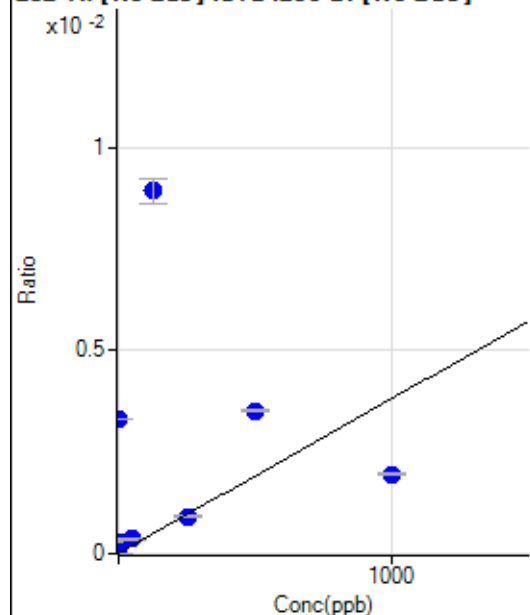
$$R = 0.9999$$

$$DL = 0.007655$$

$$BEC = 0.04731$$

Weight: <None>

Min Conc: 0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	74.08	0.0000	P	8.2
2	☐	0.100	77.842	2229.86	0.0003	P	2.8
3	☐	1.000	868.304	23893.02	0.0033	P	0.7
4	☐	50.000	91.218	2492.88	0.0004	P	6.6
5	☐	125.000	2342.277	59451.92	0.0089	P	6.9
6	☐	250.000	237.494	6485.09	0.0009	P	5.7
7	☐	500.000	922.904	24048.59	0.0035	P	2.5
8	☐	1000.000	511.579	13355.27	0.0020	P	2.6
9	☐			1124.15	0.0002	P	6.5

$$y = 3.8074\text{E-}006 * x + 1.0541\text{E-}005$$

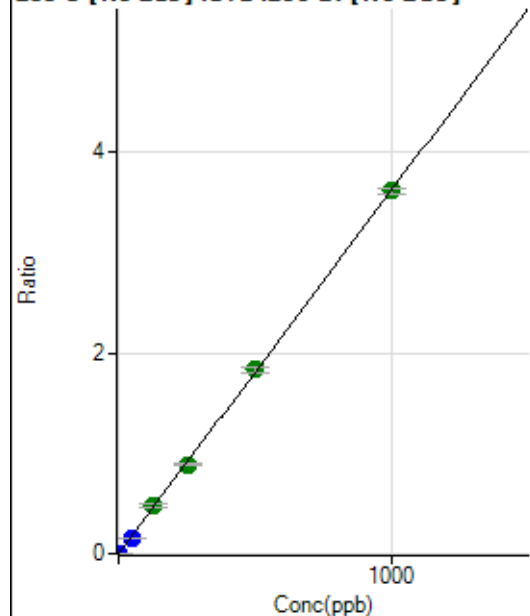
$$R = 0.0597$$

$$DL = 0.684$$

$$BEC = 2.769$$

Weight: <None>

Min Conc: 0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	25.00	0.0000	P	67.1
2	☐	0.100	0.076	2016.89	0.0003	P	12.4
3	☐	1.000	0.862	22506.22	0.0031	P	1.8
4	☐	50.000	44.608	1124675.58	0.1615	P	0.2
5	☐	125.000	130.325	3140103.91	0.4718	A	7.8
6	☐	250.000	244.912	6285829.74	0.8866	A	2.1
7	☐	500.000	505.407	12484716.60	1.8296	A	2.4
8	☐	1000.000	998.173	24646047.43	3.6135	A	1.3
9	☐			4445.31	0.0007	P	2.7

$$y = 0.0036 * x + 3.5745\text{E-}006$$

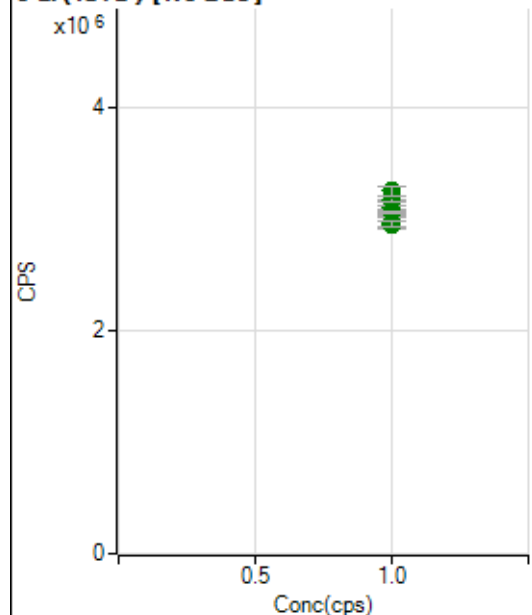
$$R = 0.9999$$

$$DL = 0.001988$$

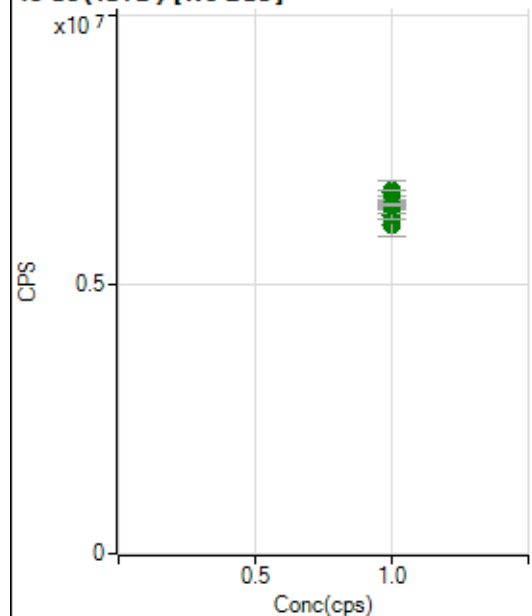
$$BEC = 0.0009874$$

Weight: <None>

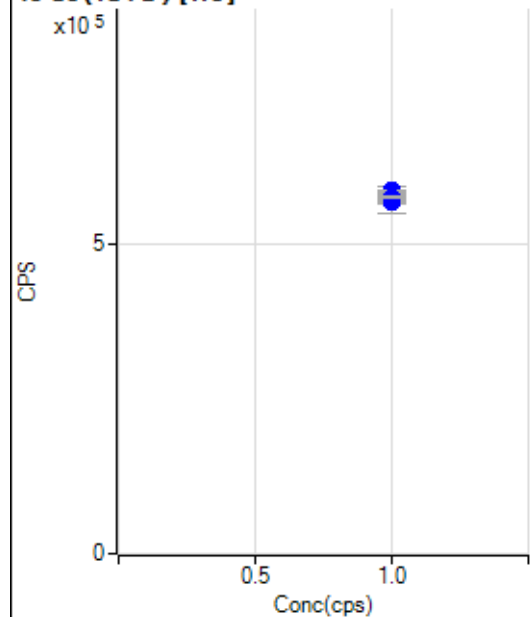
Min Conc: 0

6 Li (ISTD) [No Gas]

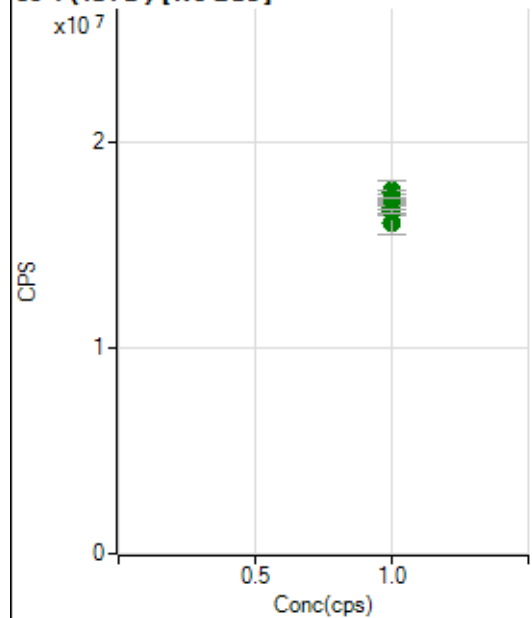
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		3050918.60		A	1.1
2	☐	1.000		3116252.56		A	3.5
3	☐	1.000		3081285.61		A	2.8
4	☐	1.000		3097981.62		A	0.8
5	☐	1.000		2956428.26		A	3.3
6	☐	1.000		3175068.84		A	1.5
7	☐	1.000		3059446.97		A	0.2
8	☐	1.000		3248731.17		A	2.4
9	☐	1.000		2948846.31		A	1.9

45 Sc (ISTD) [No Gas]

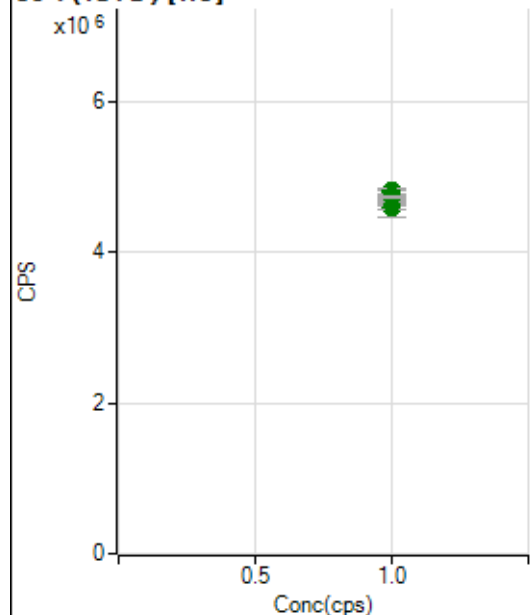
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		6512908.37		A	2.0
2	☐	1.000		6734969.41		A	5.5
3	☐	1.000		6700714.48		A	1.7
4	☐	1.000		6430234.97		A	0.5
5	☐	1.000		6108048.59		A	6.9
6	☐	1.000		6454479.21		A	1.8
7	☐	1.000		6267387.75		A	2.0
8	☐	1.000		6578792.75		A	0.0
9	☐	1.000		6468708.23		A	0.5

45 Sc (ISTD) [He]

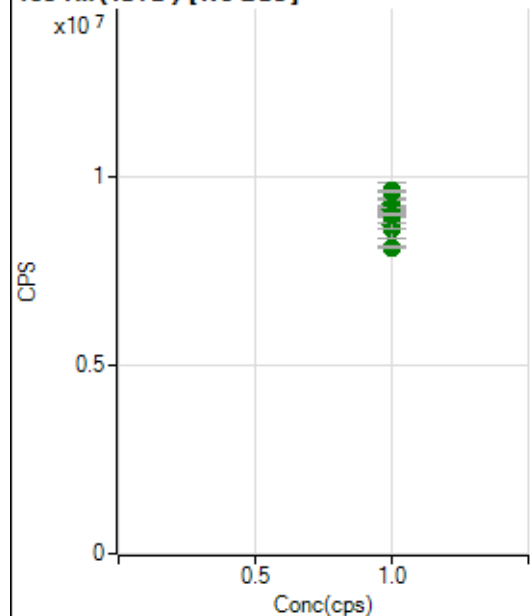
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		570313.66		P	7.4
2	☐	1.000		570878.86		P	1.1
3	☐	1.000		584825.85		P	0.8
4	☐	1.000		577491.27		P	0.8
5	☐	1.000		569397.83		P	0.9
6	☐	1.000		568005.18		P	1.2
7	☐	1.000		568595.35		P	0.6
8	☐	1.000		585004.36		P	0.7
9	☐	1.000		574641.03		P	0.5

89 Y (ISTD) [No Gas]

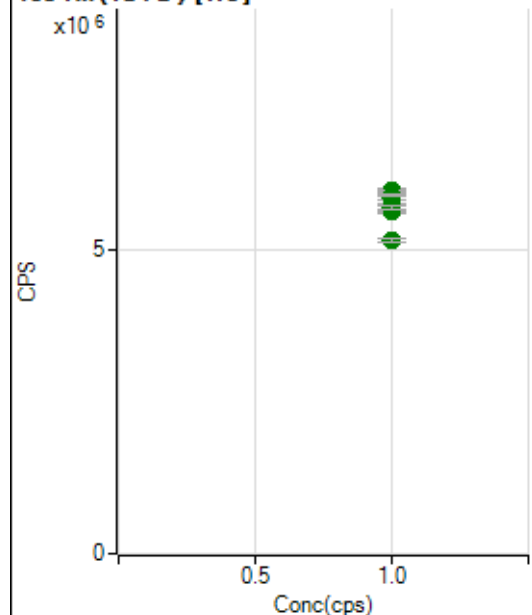
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		17060385.16		A	0.5
2	☐	1.000		17665330.57		A	5.3
3	☐	1.000		17602747.24		A	0.7
4	☐	1.000		16847399.47		A	0.9
5	☐	1.000		16130318.09		A	7.7
6	☐	1.000		17182872.94		A	1.0
7	☐	1.000		16630446.97		A	1.6
8	☐	1.000		17310870.71		A	0.2
9	☐	1.000		16677706.70		A	0.7

89 Y(ISTD) [He]

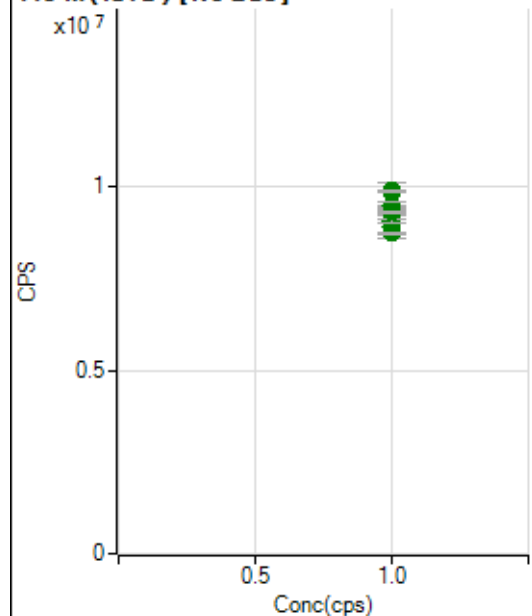
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		4649009.69		A	7.8
2	☐	1.000		4684314.41		A	2.1
3	☐	1.000		4804916.67		A	0.9
4	☐	1.000		4727525.55		A	0.3
5	☐	1.000		4588083.72		A	1.2
6	☐	1.000		4642950.83		A	0.7
7	☐	1.000		4675837.36		A	0.4
8	☐	1.000		4816213.92		A	1.3
9	☐	1.000		4741512.78		A	0.4

103 Rh(ISTD) [No Gas]

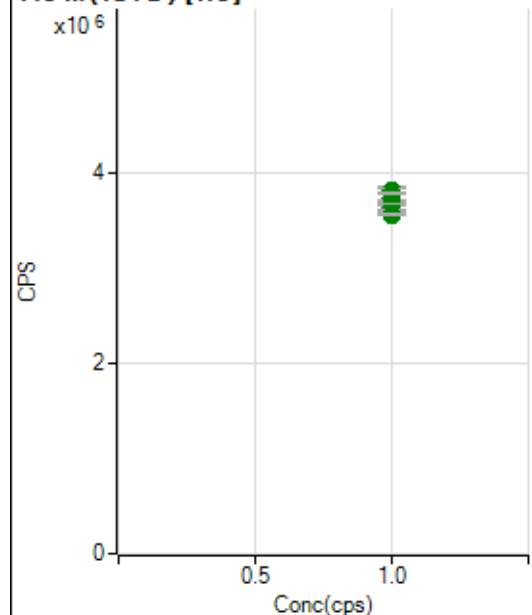
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		9267783.47		A	2.7
2	☐	1.000		9578949.86		A	4.9
3	☐	1.000		9603015.76		A	0.7
4	☐	1.000		9168975.84		A	0.9
5	☐	1.000		8614869.73		A	6.8
6	☐	1.000		9110141.74		A	1.0
7	☐	1.000		8687950.64		A	2.0
8	☐	1.000		8977366.95		A	0.7
9	☐	1.000		8114708.63		A	0.5

103 Rh (ISTD) [He]

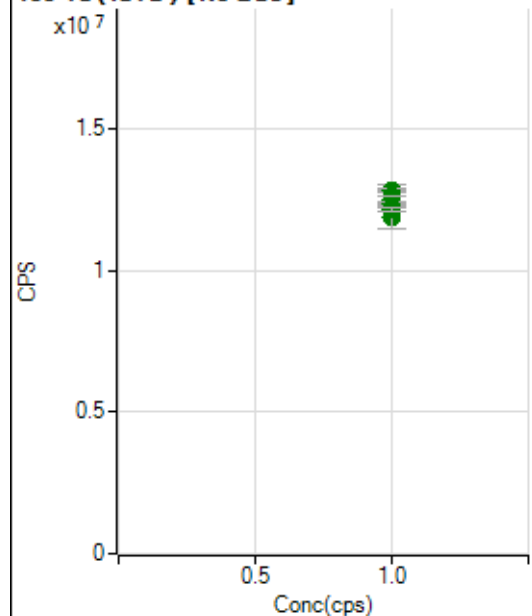
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		5802640.19		A	7.0
2	☐	1.000		5856918.60		A	1.5
3	☐	1.000		5965960.74		A	0.2
4	☐	1.000		5887505.40		A	0.5
5	☐	1.000		5708306.51		A	1.4
6	☐	1.000		5675532.55		A	1.6
7	☐	1.000		5635804.78		A	0.8
8	☐	1.000		5681954.08		A	1.1
9	☐	1.000		5161744.78		A	1.0

115 In (ISTD) [No Gas]

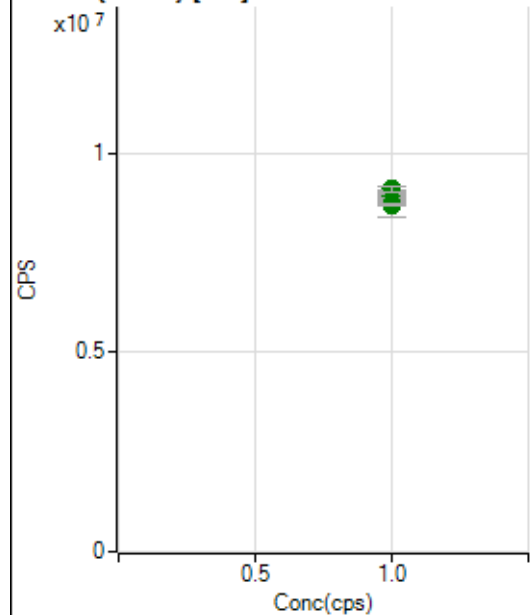
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		9417603.47		A	1.9
2	☐	1.000		9885481.39		A	5.3
3	☐	1.000		9900878.30		A	0.6
4	☐	1.000		9466402.45		A	0.7
5	☐	1.000		8914241.63		A	6.8
6	☐	1.000		9476943.36		A	2.2
7	☐	1.000		9064336.35		A	1.2
8	☐	1.000		9321272.26		A	0.6
9	☐	1.000		8751137.18		A	0.4

115 In (ISTD) [He]

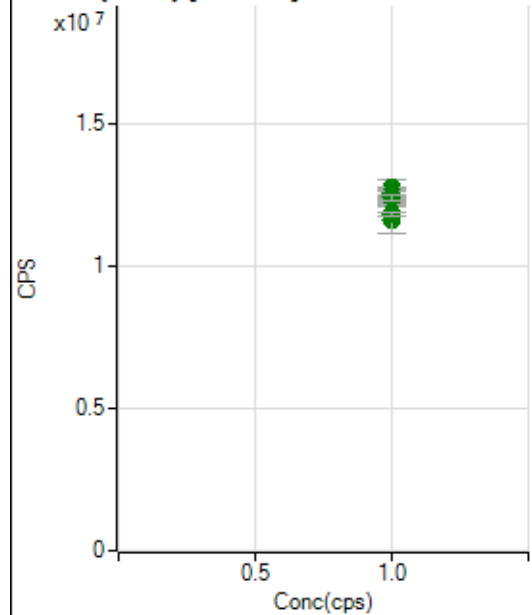
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		3725470.09		A	7.0
2	☐	1.000		3708330.66		A	0.5
3	☐	1.000		3803061.22		A	1.1
4	☐	1.000		3774506.84		A	0.5
5	☐	1.000		3660875.62		A	0.3
6	☐	1.000		3667647.16		A	1.0
7	☐	1.000		3631205.08		A	1.0
8	☐	1.000		3669558.57		A	0.4
9	☐	1.000		3553005.69		A	0.7

159 Tb (ISTD) [No Gas]

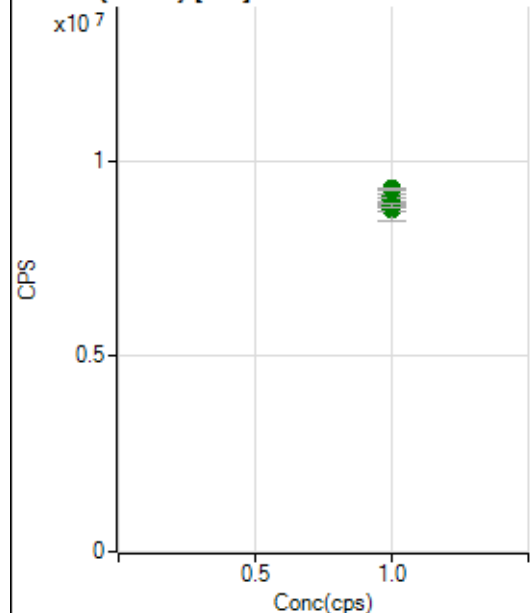
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		12502414.82		A	2.0
2	☐	1.000		12736639.11		A	4.7
3	☐	1.000		12791743.56		A	0.9
4	☐	1.000		12287850.37		A	0.5
5	☐	1.000		11855434.54		A	7.1
6	☐	1.000		12804167.45		A	1.2
7	☐	1.000		12357400.09		A	0.9
8	☐	1.000		12606589.68		A	0.2
9	☐	1.000		12128439.54		A	1.0

159 Tb (ISTD) [He]

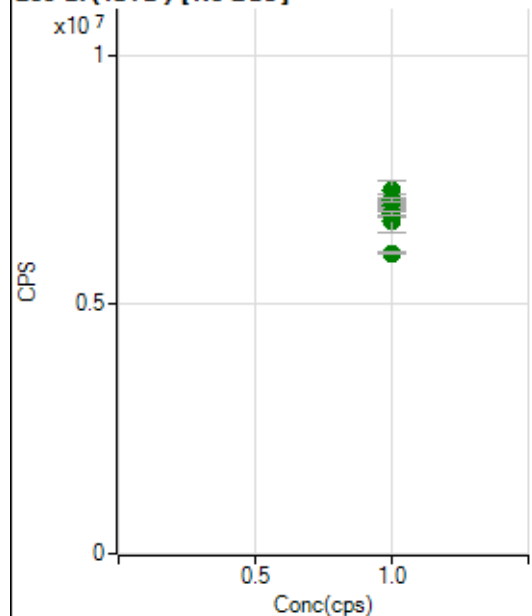
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		8718548.97		A	7.6
2	☐	1.000		8773678.27		A	2.0
3	☐	1.000		8972883.55		A	1.3
4	☐	1.000		8901368.13		A	0.9
5	☐	1.000		8815400.84		A	0.5
6	☐	1.000		8921234.17		A	1.0
7	☐	1.000		9030960.77		A	1.0
8	☐	1.000		9110418.82		A	1.3
9	☐	1.000		8710224.59		A	0.5

165 Ho (ISTD) [No Gas]

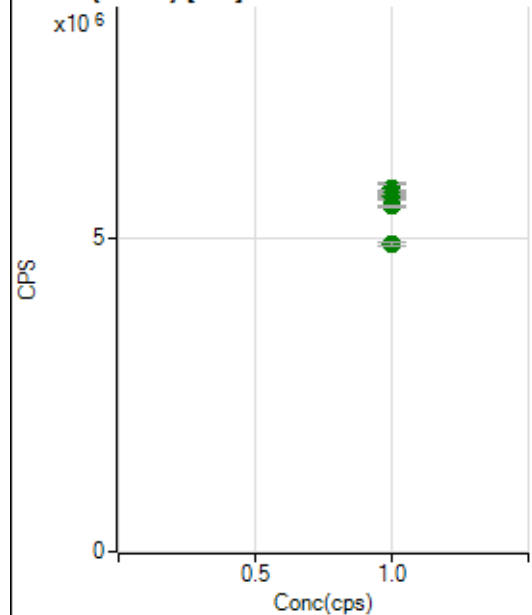
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		12266220.65		A	2.7
2	☐	1.000		12736733.56		A	5.2
3	☐	1.000		12758497.17		A	0.8
4	☐	1.000		12237803.98		A	0.5
5	☐	1.000		11650403.02		A	7.9
6	☐	1.000		12584115.23		A	0.8
7	☐	1.000		12296441.90		A	1.8
8	☐	1.000		12434788.43		A	1.7
9	☐	1.000		11827663.58		A	1.3

165 Ho (ISTD) [He]

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		8761075.15		A	6.5
2	☐	1.000		8817812.92		A	2.2
3	☐	1.000		9005437.30		A	1.3
4	☐	1.000		8913528.27		A	1.1
5	☐	1.000		8909912.64		A	0.6
6	☐	1.000		9000252.16		A	1.2
7	☐	1.000		9123558.06		A	1.0
8	☐	1.000		9289908.13		A	0.6
9	☐	1.000		8858404.45		A	0.8

209 Bi (ISTD) [No Gas]

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		7025853.57		A	1.2
2	☐	1.000		7271754.33		A	5.2
3	☐	1.000		7204288.71		A	0.2
4	☐	1.000		6964402.78		A	0.9
5	☐	1.000		6680832.23		A	7.2
6	☐	1.000		7090565.10		A	0.8
7	☐	1.000		6826467.71		A	2.6
8	☐	1.000		6820473.89		A	0.7
9	☐	1.000		6022299.01		A	0.4

209 Bi (ISTD) [He]

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		5702265.92		A	7.3
2	☐	1.000		5690853.95		A	1.3
3	☐	1.000		5799513.42		A	2.3
4	☐	1.000		5755829.08		A	0.7
5	☐	1.000		5658546.86		A	0.6
6	☐	1.000		5682473.67		A	1.0
7	☐	1.000		5615674.12		A	0.1
8	☐	1.000		5523157.94		A	0.9
9	☐	1.000		4905804.58		A	1.3

US EPA Tune Check Report

Operator Name Jaswal
Acq/Data Batch D:\Agilent\ICPMH\1\DATA\P7022822-MS.b
Acq. Date-Time 2022-02-28 14:46:20
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		12773	127730.23			0.950	5.000
24		96826	968257.35			1.285	5.000
25		12358	123580.23			0.820	5.000
26		13864	138644.33			0.945	5.000
59		27644	276439.21			1.001	5.000
113		13827	138273.00			1.075	5.000
115		39691	396911.88			1.649	5.000
206		21022	210222.29			1.257	5.000
207		18851	188514.58			1.475	5.000
208		42903	429026.96			1.203	5.000
220		0	3.30			22.978	

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

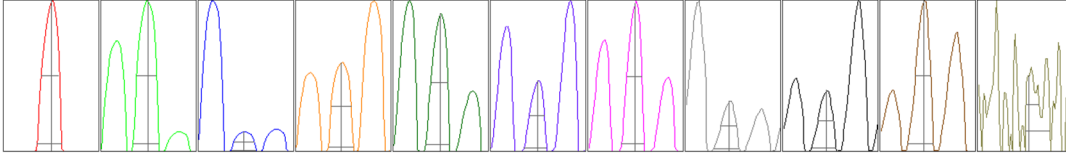
Mass	Rep#1 Count	Rep#2 Count	Rep#3 Count	Rep#4 Count	Rep#5 Count
9	12903	12810	12602	12851	12700
24	96892	98412	94920	96899	97005
25	12371	12469	12200	12413	12337
26	13958	13984	13661	13905	13814
59	27687	27963	27232	27794	27544
113	13865	14044	13667	13850	13711
115	40168	40502	39082	39690	39014
206	21182	21371	20678	20952	20928
207	19099	19184	18571	18785	18618
208	43318	43518	42526	42858	42293

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	23651.47	9.05	8.90 - 9.10	
24	162575.75	24.00	23.90 - 24.10	
25	20473.20	24.95	24.90 - 25.10	
26	23173.21	25.95	25.90 - 26.10	
59	53036.28	59.00	58.90 - 59.10	
113	29540.64	113.00	112.90 - 113.10	
115	84161.04	115.00	114.90 - 115.10	
206	42112.28	205.90	205.90 - 206.10	
207	35360.41	206.90	206.90 - 207.10	
208	87971.51	207.90	207.90 - 208.10	
220	0.45	220.15	-	

Mass	W-50%	W-5%	W-5% (Required)	W-5% (Flag)
9	0.57	0.769	0.900	
24	0.62	0.821	0.900	
25	0.64	0.790	0.900	
26	0.63	0.788	0.900	
59	0.54	0.757	0.900	
113	0.48	0.724	0.900	
115	0.48	0.724	0.900	
206	0.51	0.786	0.900	
207	0.50	0.777	0.900	
208	0.50	0.806	0.900	
220	0.43	0.771		

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	9.8 V	Deflect	15.2 V
Extract 2	-145.0 V	Cell Entrance	-30 V	Plate Bias	-35 V
Omega Bias	-65 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	120	Axis Gain	0.9994	QP Bias	-3.0 V
Mass Offset	125	Axis Offset	0.03		

Hardware Settings

Torch

Torch H	-0.9 mm	Torch V	0.7 mm
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EM

Discriminator	3.1 mV	Analog HV	2164 V	Pulse HV	1431 V
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[He]

Sensitivity

Mass	Conc. [ug/l]	Count	CPS	Resp (Required) [cps/ug/l]	Resp (Flag)	RSD%	RSD% (Required)
59		10255	102546.49			0.667	
89		74662	746621.78			0.727	
205		45070	450702.03			0.481	

Mass	RSD% (Flag)
59	
89	
205	

Mass	Rep#1 Count	Rep#2 Count	Rep#3 Count	Rep#4 Count	Rep#5 Count
59	10354	10259	10266	10230	10165
89	75442	74201	74660	74896	74112
205	45382	44909	45193	45014	44854

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	3.0 V
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US EPA Tune Check Report

Extract 2	-140.0 V	Cell Entrance	-40 V	Plate Bias	-60 V
Omega Bias	-75 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	190 V		
QP Parameters					
Mass Gain	120	Axis Gain	0.9994	QP Bias	-13.0 V
Mass Offset	125	Axis Offset	0.03		
Hardware Settings					
Torch					
Torch H	-0.9 mm	Torch V	0.7 mm		
EM					
Discriminator	3.1 mV	Analog HV	2164 V	Pulse HV	1431 V