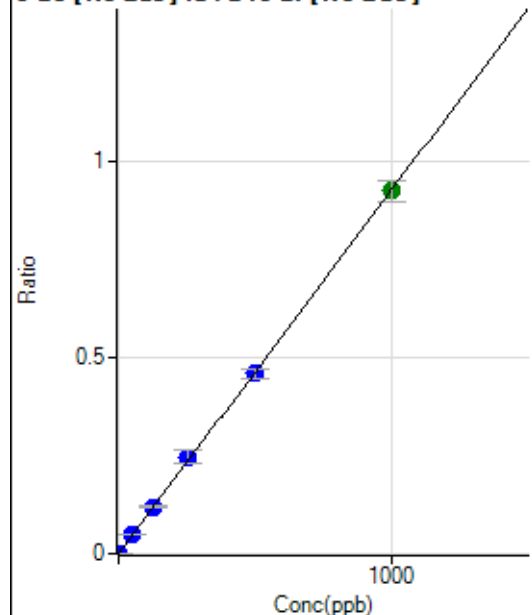


Batch Folder: D:\P8120318-MS.b\
Analysis File: P8120318-MS.batch.bin
DA Date-Time: 2018-12-03 17:07:29
Calibration Title:
Calibration Method: External Calibration
VIS Interpolation Fit:

Level	Standard Data File	Sample Name	Acq. Date-Time
1	003CALB.d	S00	2018-12-03 13:53:39
2			
3	005CALS.d	S02	2018-12-03 14:01:08
4	006CALS.d	S03	2018-12-03 14:04:52
5	007CALS.d	S04	2018-12-03 14:08:36
6	008CALS.d	S05	2018-12-03 14:12:13
7	009CALS.d	S06	2018-12-03 14:15:44
8	010CALS.d	S07	2018-12-03 14:19:11
9	011CALS.d	S08	2018-12-03 14:22:31

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	96.30	0.0001	P	9.5
2	☐	0.100					
3	☐	1.000	0.961	1363.07	0.0010	P	14.5
4	☐	50.000	52.602	68202.32	0.0488	P	2.9
5	☐	125.000	127.871	171240.81	0.1186	P	3.1
6	☐	250.000	264.781	350064.06	0.2454	P	14.1
7	☐	500.000	496.044	701233.68	0.4598	P	5.2
8	☐	1000.000	997.794	1398278.45	0.9247	A	6.1
9	☐			398.17	0.0003	P	13.8

$$y = 9.2669\text{E-}004 * x + 7.1006\text{E-}005$$

$$R = 0.9999$$

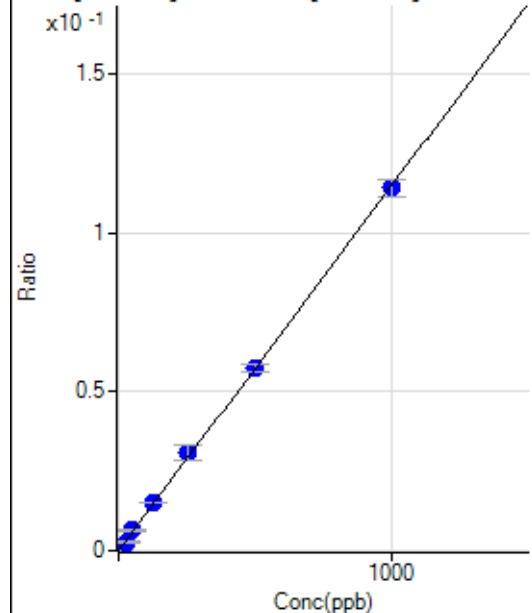
$$DL = 0.02187$$

$$BEC = 0.07662$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	41.67	0.0000	P	38.0
2	☐	2.500					
3	☐	25.000	23.166	3806.23	0.0027	P	5.1
4	☐	50.000	55.112	8867.01	0.0063	P	4.2
5	☐	125.000	131.635	21842.31	0.0151	P	2.9
6	☐	250.000	270.356	44219.09	0.0310	P	15.0
7	☐	500.000	499.224	87376.77	0.0573	P	4.1
8	☐	1000.000	994.260	172457.58	0.1140	P	4.9
9	☐			4075.77	0.0027	P	5.2

$$y = 1.1465\text{E-}004 * x + 3.0648\text{E-}005$$

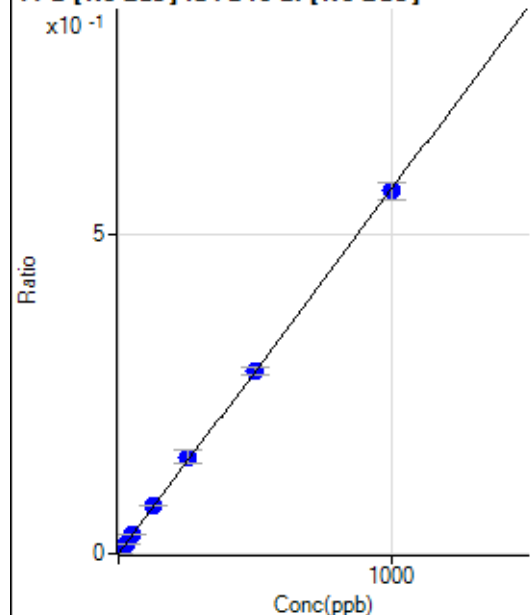
$$R = 0.9998$$

$$DL = 0.3047$$

$$BEC = 0.2673$$

Weight: <None>

Min Conc: 0

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

	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	208.34	0.0002	P	41.7
2	☐	2.500					
3	☐	25.000	24.018	19692.01	0.0139	P	3.0
4	☐	50.000	53.631	43124.38	0.0309	P	3.2
5	☐	125.000	130.506	108158.90	0.0749	P	2.3
6	☐	250.000	265.752	217218.70	0.1523	P	14.3
7	☐	500.000	500.837	437801.31	0.2869	P	4.3
8	☐	1000.000	994.798	861827.17	0.5698	P	5.0
9	☐			18793.57	0.0126	P	5.9

$$y = 5.7262\text{E-}004 * x + 1.5336\text{E-}004$$

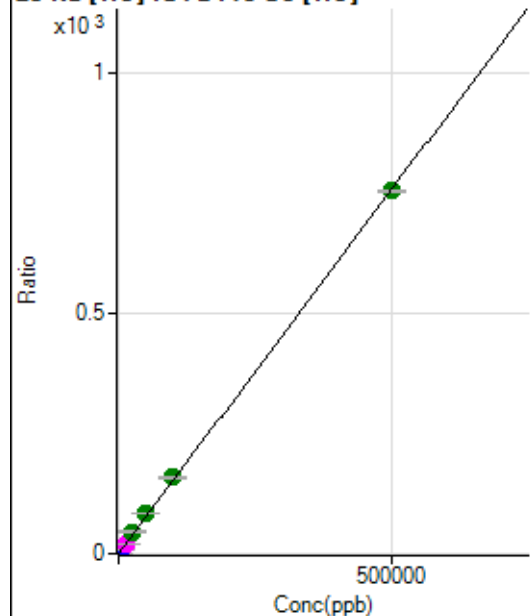
$$R = 0.9999$$

$$DL = 0.335$$

$$BEC = 0.2678$$

Weight: <None>

Min Conc: 0

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

	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	7532.89	0.1536	P	3.4
2	☐	50.000					
3	☐	500.000	558.234	46989.76	0.9981	P	6.4
4	☐	5000.000	5907.086	429316.98	9.0900	P	9.3
5	☐	12500.000	14123.927	1066721.25	21.5207	M	0.4
6	☐	25000.000	29294.077	2151352.37	44.4705	A	10.6
7	☐	50000.000	55970.774	4169949.88	84.8279	A	0.8
8	☐	100000.00	104389.48	8171133.60	158.0772	A	1.8
9	☐	500000.00	498260.59	40195280.41	753.9373	A	0.6

$$y = 0.0015 * x + 0.1536$$

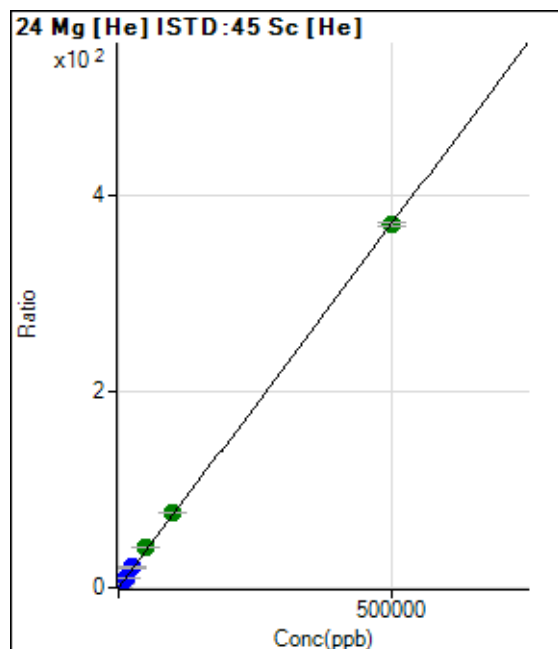
$$R = 0.9999$$

$$DL = 10.21$$

$$BEC = 101.5$$

Weight: <None>

Min Conc: 0



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	211.12	0.0043	P	8.7
2	☐	50.000					
3	☐	500.000	532.085	18735.22	0.3980	P	7.0
4	☐	5000.000	5696.229	199300.49	4.2193	P	9.1
5	☐	12500.000	13697.201	502546.52	10.1398	P	1.8
6	☐	25000.000	27863.664	998112.34	20.6226	P	9.8
7	☐	50000.000	55459.539	2017583.75	41.0428	A	0.8
8	☐	100000.00	102513.12	3921507.34	75.8612	A	1.4
9	☐	500000.00	498771.31	19676826.83	369.0813	A	1.0

$$y = 7.3997\text{E-}004 * x + 0.0043$$

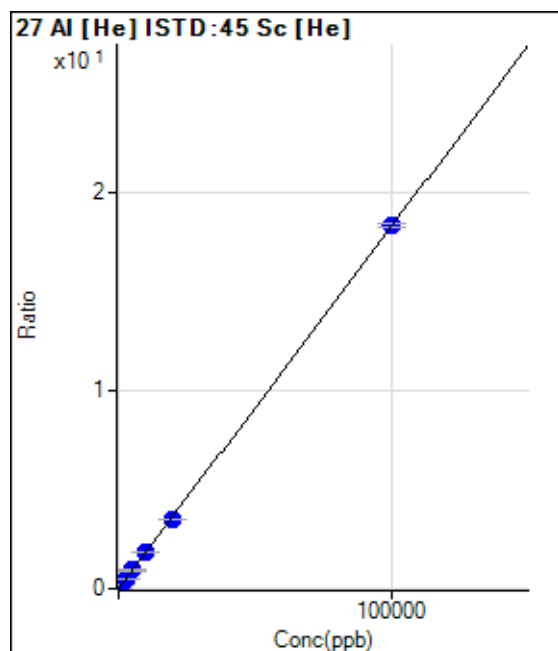
$$R = 0.9999$$

$$DL = 1.511$$

$$BEC = 5.803$$

Weight: <None>

Min Conc: 0



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	31.68	0.0006	P	22.9
2	☐	2.000					
3	☐	20.000	19.912	200.89	0.0043	P	18.8
4	☐	1000.000	1040.802	9015.20	0.1909	P	9.7
5	☐	2500.000	2526.455	22925.09	0.4626	P	1.6
6	☐	5000.000	5202.655	46051.46	0.9518	P	10.5
7	☐	10000.000	10271.190	92346.21	1.8785	P	0.3
8	☐	20000.000	19073.505	180284.74	3.4878	P	2.0
9	☐	100000.00	100146.97	976166.08	18.3103	P	1.0

$$y = 1.8283\text{E-}004 * x + 6.4519\text{E-}004$$

$$R = 0.9999$$

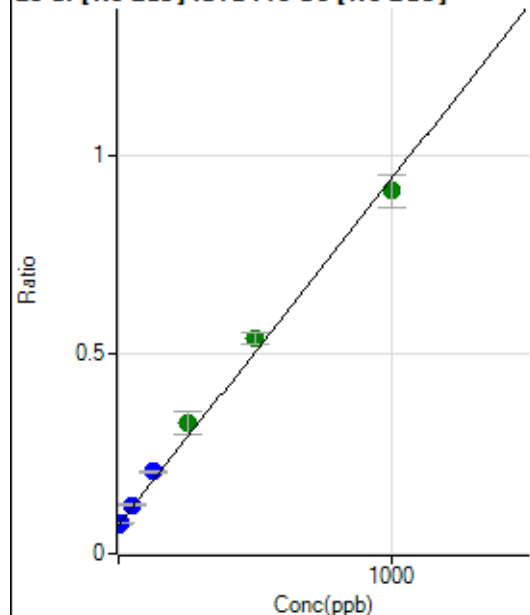
$$DL = 2.428$$

$$BEC = 3.529$$

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	323851.21	0.0728	P	4.2
2	☐	1.000					
3	☐	10.000	4.874	364100.30	0.0770	P	1.1
4	☐	50.000	57.824	565538.82	0.1230	P	5.5
5	☐	125.000	154.583	937231.48	0.2070	P	2.2
6	☐	250.000	294.549	1449111.96	0.3285	A	16.7
7	☐	500.000	538.898	2506373.82	0.5406	A	5.1
8	☐	1000.000	965.376	4386477.09	0.9109	A	8.9
9	☐			654640.24	0.1422	P	1.4

$$y = 8.6814\text{E-}004 * x + 0.0728$$

$$R = 0.9973$$

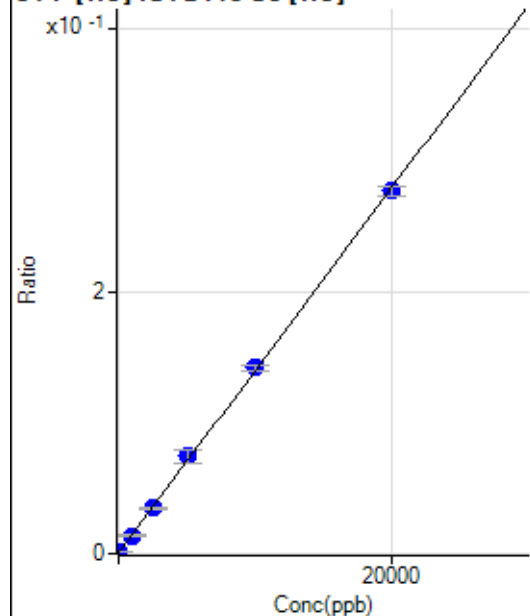
$$DL = 10.44$$

$$BEC = 83.83$$

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	-38.006	0.00	0.0000	P	
2	☐	0.000					
3	☐	0.000	38.006	50.00	0.0011	P	13.9
4	☐	1000.000	924.604	636.16	0.0134	P	8.5
5	☐	2500.000	2448.461	1714.08	0.0346	P	4.4
6	☐	5000.000	5303.117	3586.74	0.0743	P	14.3
7	☐	10000.000	10166.806	6977.06	0.1420	P	3.3
8	☐	20000.000	19851.030	14299.49	0.2767	P	3.0
9	☐			25.00	0.0005	P	33.5

$$y = 1.3910\text{E-}005 * x + 5.2867\text{E-}004$$

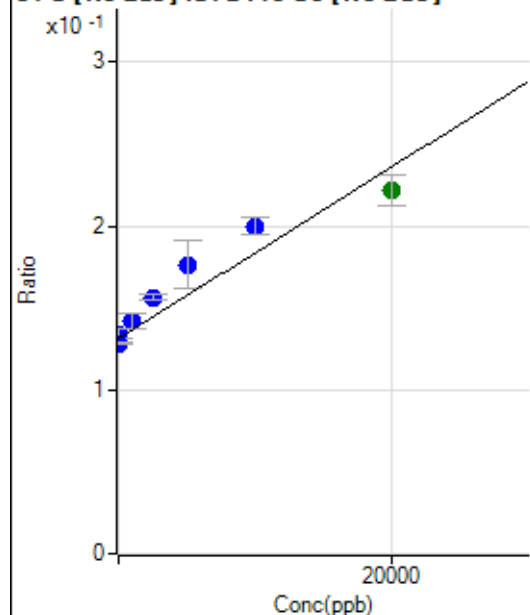
$$R = 0.9998$$

$$DL = 15.9$$

$$BEC = 38.01$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	549.978	597541.46	0.1343	P	4.8
2	☐	0.000					
3	☐	0.000	-549.978	607807.85	0.1286	P	1.7
4	☐	1000.000	1976.323	651680.99	0.1418	P	6.7
5	☐	2500.000	4753.417	707821.05	0.1563	P	2.5
6	☐	5000.000	8632.165	779451.72	0.1766	P	16.5
7	☐	10000.000	13109.244	927495.26	0.2001	P	5.1
8	☐	20000.000	17206.843	1066897.18	0.2215	A	8.5
9	☐			598654.90	0.1301	P	1.0

$$y = 5.2352\text{E-}006 * x + 0.1314$$

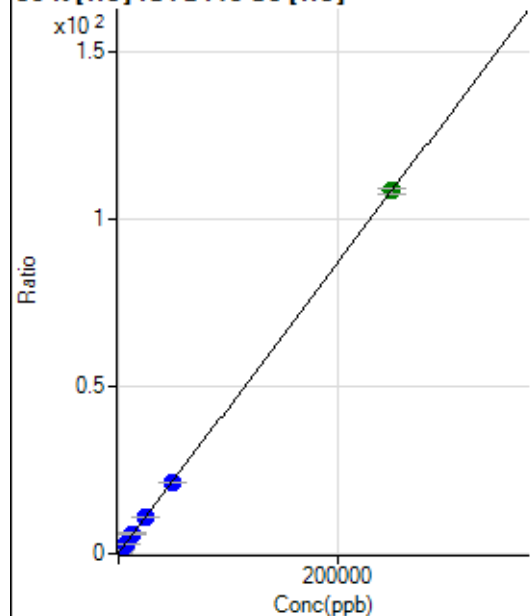
$$R = 0.9527$$

$$DL = 2440$$

$$BEC = 2.511\text{E}+04$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	4648.21	0.0949	P	8.2
2	☐	50.000					
3	☐	500.000	494.441	14546.99	0.3092	P	7.9
4	☐	2500.000	2676.162	59297.93	1.2547	P	8.4
5	☐	6250.000	6381.306	141781.74	2.8606	P	1.1
6	☐	12500.000	13116.400	279789.54	5.7796	P	9.4
7	☐	25000.000	25435.643	546564.61	11.1188	P	1.1
8	☐	50000.000	48744.921	1096972.28	21.2212	P	1.5
9	☐	250000.00	250171.59	5785352.39	108.5204	A	1.3

$$y = 4.3340\text{E-}004 * x + 0.0949$$

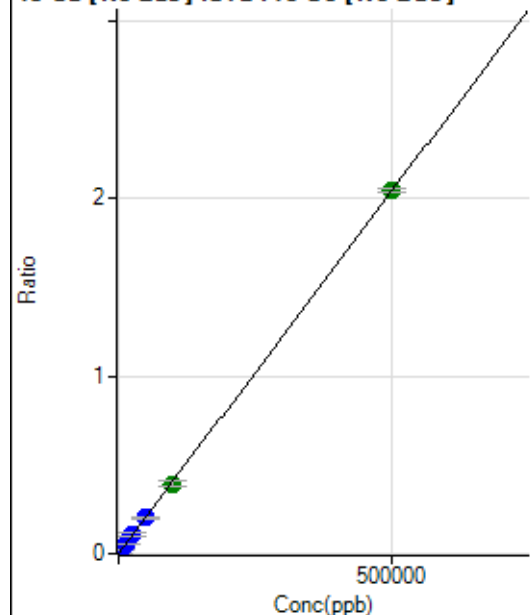
$$R = 1.0000$$

$$DL = 53.71$$

$$BEC = 218.9$$

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	644.49	0.0001	P	12.0
2	☐	50.000					
3	☐	500.000	450.192	9356.30	0.0020	P	4.3
4	☐	5000.000	5068.449	95675.33	0.0208	P	4.3
5	☐	12500.000	12737.793	235637.72	0.0520	P	2.8
6	☐	25000.000	26451.606	476375.48	0.1079	P	16.1
7	☐	50000.000	49343.714	932614.71	0.2012	P	5.5
8	☐	100000.00	96530.644	1895328.56	0.3934	A	8.2
9	☐	500000.00	500680.34	9389417.05	2.0400	A	1.0

$$y = 4.0742\text{E-}006 * x + 1.4504\text{E-}004$$

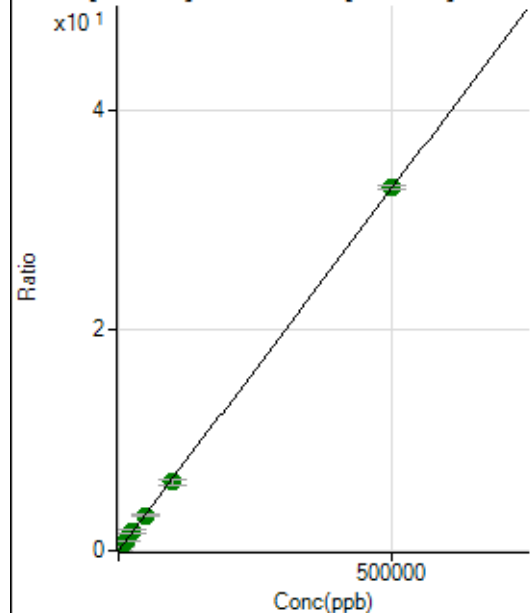
$$R = 1.0000$$

$$DL = 12.76$$

$$BEC = 35.6$$

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	39479.08	0.0089	P	3.9
2	☐	50.000					
3	☐	500.000	443.023	179544.51	0.0380	P	0.9
4	☐	5000.000	5071.925	1573155.25	0.3420	A	4.7
5	☐	12500.000	12554.153	3773664.93	0.8334	A	2.9
6	☐	25000.000	25866.616	7543944.35	1.7077	A	15.4
7	☐	50000.000	48682.081	14863501.37	3.2061	A	5.2
8	☐	100000.00	95145.279	30143090.26	6.2577	A	8.4
9	☐	500000.00	501057.38	151501360.3	32.9166	A	0.9

$$y = 6.5676\text{E-}005 * x + 0.0089$$

$$R = 0.9999$$

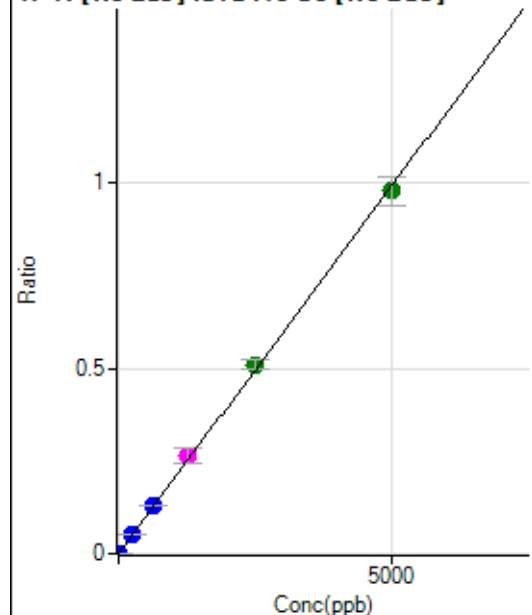
$$DL = 15.65$$

$$BEC = 135.1$$

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	230.57	0.0001	P	19.0
2	☐	0.500					
3	☐	5.000	4.866	4806.59	0.0010	P	1.6
4	☐	250.000	255.900	233755.58	0.0508	P	3.4
5	☐	625.000	651.438	585019.04	0.1292	P	2.9
6	☐	1250.000	1343.967	1176851.78	0.2665	M	15.8
7	☐	2500.000	2574.350	2366131.67	0.5104	A	5.7
8	☐	5000.000	4935.734	4714056.10	0.9786	A	8.2
9	☐			2680.94	0.0006	P	3.2

$$y = 1.9826E-004 * x + 5.2028E-005$$

$$R = 0.9996$$

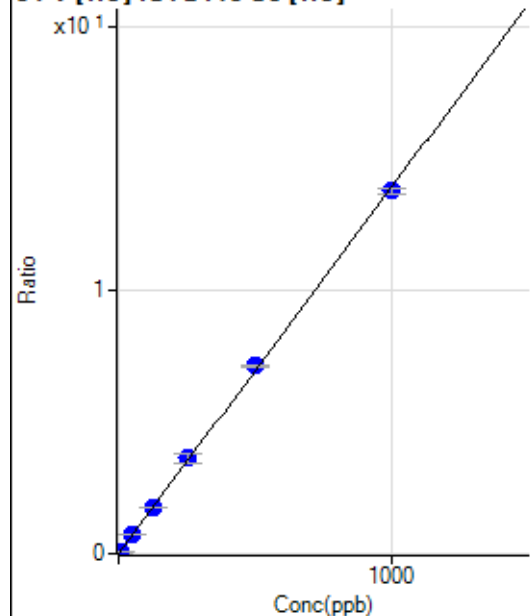
$$DL = 0.1492$$

$$BEC = 0.2624$$

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	16.67	0.0003	P	51.4
2	☐	0.500					
3	☐	5.000	5.077	3334.90	0.0709	P	8.3
4	☐	50.000	52.677	34605.10	0.7324	P	8.5
5	☐	125.000	126.884	87412.78	1.7636	P	0.8
6	☐	250.000	261.637	175972.24	3.6362	P	10.0
7	☐	500.000	512.781	350307.17	7.1263	P	1.1
8	☐	1000.000	990.331	711410.27	13.7627	P	1.8
9	☐			285.56	0.0054	P	5.8

$$y = 0.0139 * x + 3.3884E-004$$

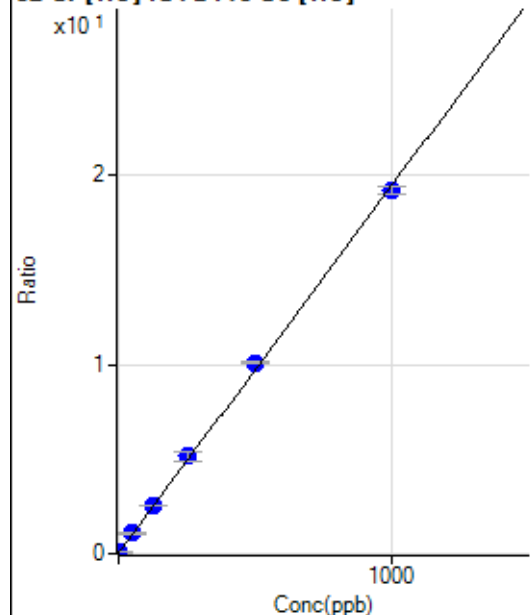
$$R = 0.9998$$

$$DL = 0.03757$$

$$BEC = 0.02438$$

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	973.38	0.0198	P	1.8
2	☐	0.200					
3	☐	2.000	2.097	2849.23	0.0606	P	9.4
4	☐	50.000	54.238	50757.41	1.0740	P	8.1
5	☐	125.000	129.499	125733.08	2.5366	P	0.2
6	☐	250.000	265.147	250328.47	5.1729	P	10.1
7	☐	500.000	518.123	495971.82	10.0895	P	0.9
8	☐	1000.000	986.377	991923.29	19.1899	P	2.1
9	☐			35534.20	0.6664	P	1.7

$$y = 0.0194 * x + 0.0198$$

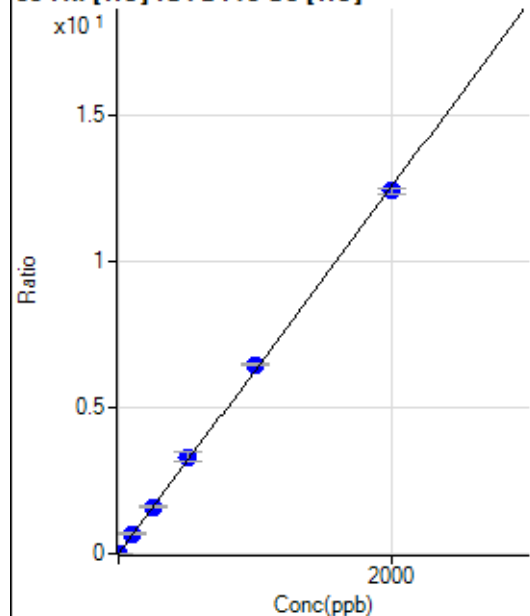
$$R = 0.9996$$

$$DL = 0.05447$$

$$BEC = 1.021$$

Weight: <None>

Min Conc: 0

55 Mn [He] ISTD:45 Sc [He]

	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	37.78	0.0008	P	64.8
2	☐	0.100					
3	☐	1.000	0.980	326.68	0.0069	P	7.2
4	☐	100.000	107.110	31833.07	0.6743	P	10.0
5	☐	250.000	256.513	79980.72	1.6137	P	1.5
6	☐	500.000	527.189	160449.46	3.3157	P	10.1
7	☐	1000.000	1029.121	318131.89	6.4719	P	1.4
8	☐	2000.000	1977.473	642813.02	12.4351	P	1.4
9	☐			4449.66	0.0835	P	2.8

$$y = 0.0063 * x + 7.8098E-004$$

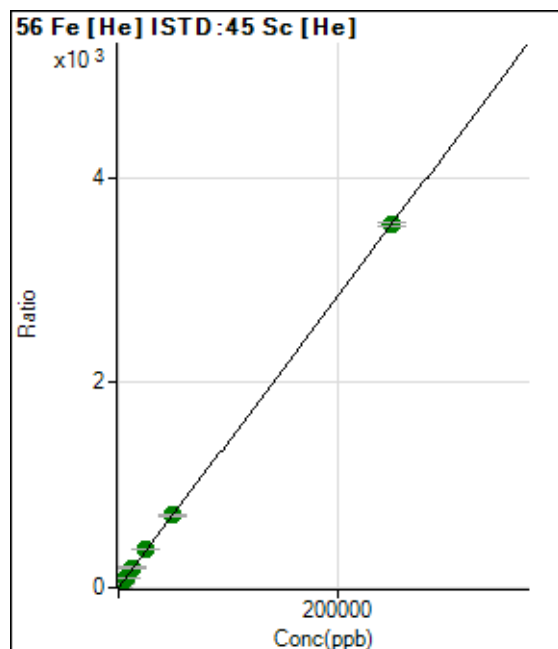
$$R = 0.9997$$

$$DL = 0.2415$$

$$BEC = 0.1242$$

Weight: <None>

Min Conc: 0



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	1626.06	0.0332	P	4.2
2	☐	5.000					
3	☐	50.000	55.000	38265.95	0.8128	P	6.5
4	☐	2500.000	2787.759	1868447.27	39.5500	A	8.8
5	☐	6250.000	6620.443	4653177.07	93.8787	A	0.5
6	☐	12500.000	13513.573	9273133.89	191.5895	A	9.7
7	☐	25000.000	26254.237	18295852.26	372.1899	A	0.9
8	☐	50000.000	50048.568	36674528.60	709.4771	A	1.6
9	☐	250000.00	249802.04	188778330.1	3,541.004	A	1.0

$$y = 0.0142 * x + 0.0332$$

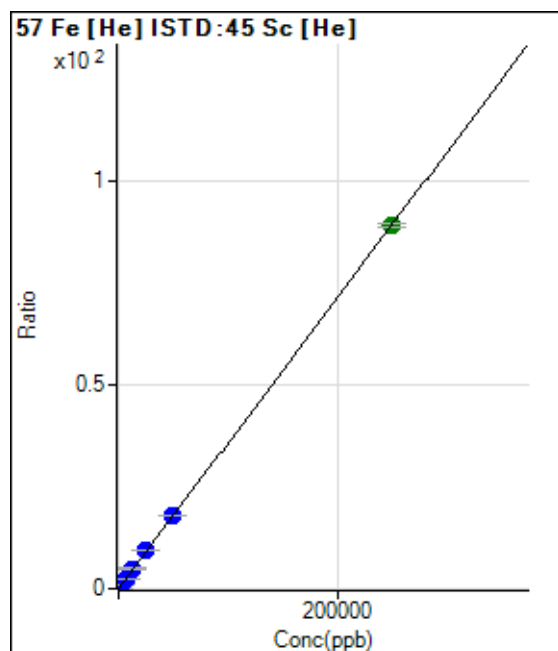
$$R = 1.0000$$

$$DL = 0.2933$$

$$BEC = 2.34$$

Weight: <None>

Min Conc: 0



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	62.97	0.0013	P	42.4
2	☐	5.000					
3	☐	50.000	56.821	1014.88	0.0216	P	6.4
4	☐	2500.000	2757.348	46501.98	0.9847	P	9.5
5	☐	6250.000	6549.247	115831.51	2.3371	P	1.9
6	☐	12500.000	13539.874	233827.34	4.8303	P	9.5
7	☐	25000.000	26376.250	462492.20	9.4083	P	0.8
8	☐	50000.000	50210.792	925732.52	17.9089	P	1.8
9	☐	250000.00	249758.16	4748929.27	89.0771	A	0.9

$$y = 3.5665E-004 * x + 0.0013$$

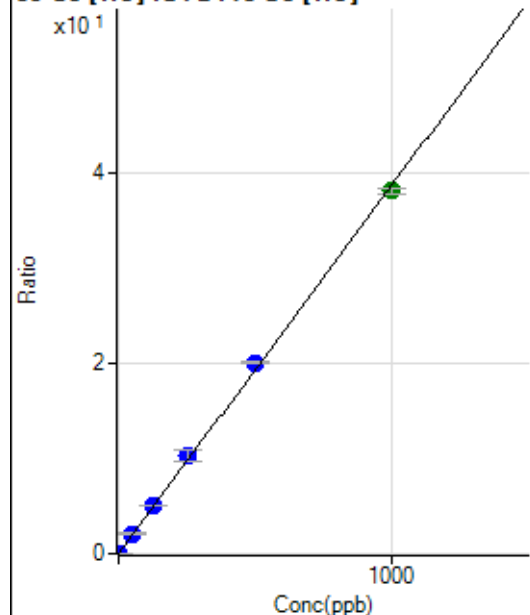
$$R = 1.0000$$

$$DL = 4.595$$

$$BEC = 3.616$$

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	131.12	0.0027	P	21.3
2	☐	0.100					
3	☐	1.000	0.999	1941.28	0.0412	P	5.4
4	☐	50.000	54.602	99537.63	2.1086	P	10.1
5	☐	125.000	130.158	248954.01	5.0227	P	0.5
6	☐	250.000	266.271	497073.95	10.2724	P	10.2
7	☐	500.000	518.313	982807.38	19.9933	P	1.1
8	☐	1000.000	985.901	1965922.99	38.0276	A	1.5
9	☐			24747.75	0.4642	P	2.0

$$y = 0.0386 * x + 0.0027$$

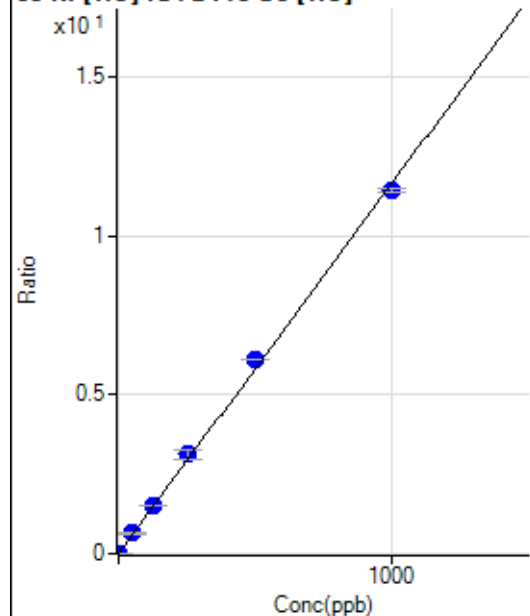
$$R = 0.9996$$

$$DL = 0.04445$$

$$BEC = 0.06965$$

Weight: <None>

Min Conc: 0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	51.11	0.0010	P	9.7
2	☐	0.100					
3	☐	1.000	1.088	647.80	0.0137	P	6.2
4	☐	50.000	55.786	30680.66	0.6503	P	11.0
5	☐	125.000	130.364	75251.91	1.5182	P	0.8
6	☐	250.000	268.742	151362.01	3.1287	P	10.5
7	☐	500.000	526.426	301228.42	6.1276	P	0.4
8	☐	1000.000	981.142	590328.74	11.4196	P	1.2
9	☐			19267.98	0.3614	P	0.2

$$y = 0.0116 * x + 0.0010$$

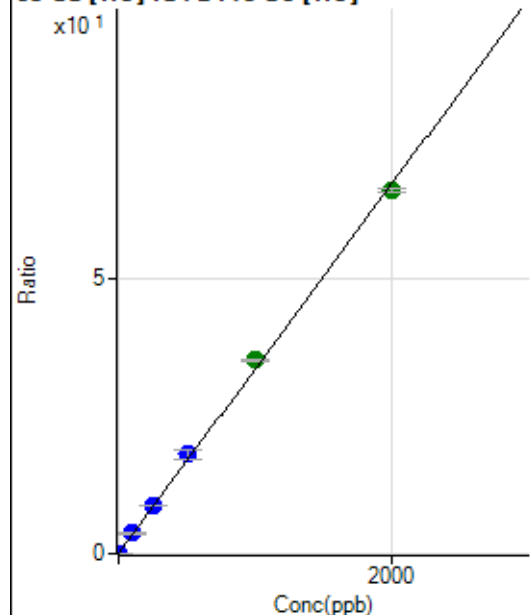
$$R = 0.9993$$

$$DL = 0.02622$$

$$BEC = 0.08966$$

Weight: <None>

Min Conc: 0

⁶³Cu [He] ISTD:45 Sc [He]

	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	873.38	0.0178	P	8.4
2	☐	0.200					
3	☐	2.000	2.040	4060.66	0.0863	P	9.0
4	☐	100.000	109.084	173942.24	3.6844	P	9.9
5	☐	250.000	262.177	437698.60	8.8303	P	0.7
6	☐	500.000	538.908	877529.13	18.1319	P	9.9
7	☐	1000.000	1047.814	1732175.84	35.2376	A	1.0
8	☐	2000.000	1964.390	3414292.38	66.0461	A	0.9
9	☐			9727.99	0.1824	P	1.7

$$y = 0.0336 * x + 0.0178$$

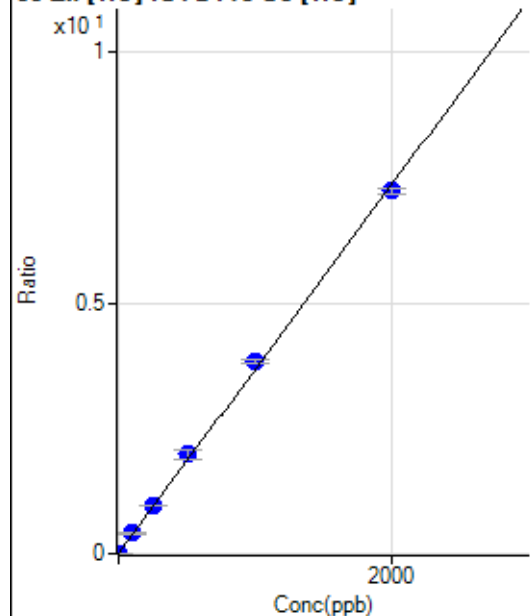
$$R = 0.9994$$

$$DL = 0.1335$$

$$BEC = 0.5289$$

Weight: <None>

Min Conc: 0

⁶⁶Zn [He] ISTD:45 Sc [He]

	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	153.34	0.0031	P	27.9
2	☐	0.200					
3	☐	2.000	2.175	523.35	0.0111	P	8.5
4	☐	100.000	108.876	19064.45	0.4032	P	7.4
5	☐	250.000	260.164	47536.93	0.9591	P	1.1
6	☐	500.000	536.993	95654.38	1.9763	P	9.8
7	☐	1000.000	1042.769	188504.24	3.8348	P	1.4
8	☐	2000.000	1967.653	373905.65	7.2333	P	1.5
9	☐			3937.30	0.0739	P	2.1

$$y = 0.0037 * x + 0.0031$$

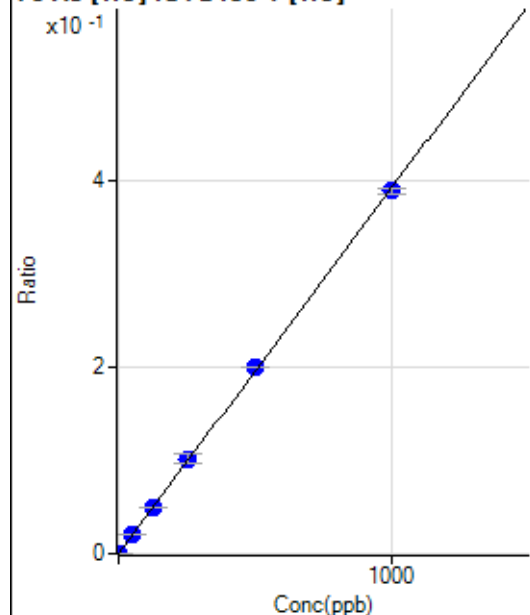
$$R = 0.9995$$

$$DL = 0.7133$$

$$BEC = 0.851$$

Weight: <None>

Min Conc: 0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	8.03	0.0000	P	37.8
2	☐	0.100					
3	☐	1.000	0.934	120.37	0.0004	P	20.2
4	☐	50.000	52.051	6441.67	0.0204	P	8.0
5	☐	125.000	125.564	16297.95	0.0491	P	0.7
6	☐	250.000	258.578	32783.93	0.1011	P	9.6
7	☐	500.000	510.360	66180.22	0.1996	P	0.8
8	☐	1000.000	992.503	133709.38	0.3881	P	1.7
9	☐			273.46	0.0007	P	6.5

$$y = 3.9096E-004 * x + 2.5017E-005$$

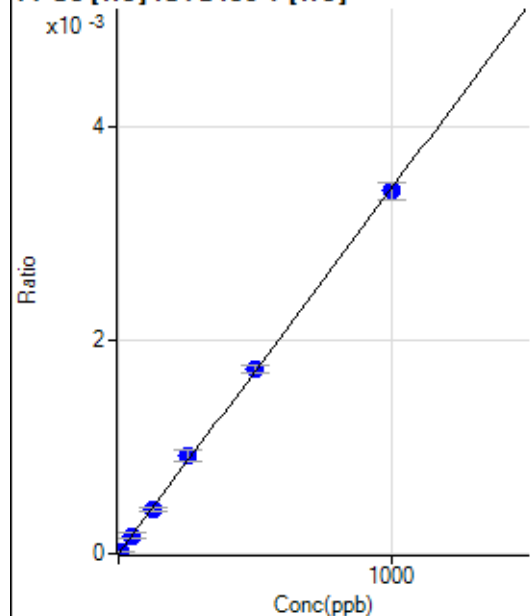
$$R = 0.9999$$

$$DL = 0.07255$$

$$BEC = 0.06399$$

Weight: <None>

Min Conc: 0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	0.00	0.0000	P	
2	☐	0.500					
3	☐	5.000	5.229	5.55	0.0000	P	68.9
4	☐	50.000	49.323	54.45	0.0002	P	39.0
5	☐	125.000	119.489	135.56	0.0004	P	8.9
6	☐	250.000	268.002	296.68	0.0009	P	10.9
7	☐	500.000	505.978	573.35	0.0017	P	4.1
8	☐	1000.000	993.232	1168.96	0.0034	P	4.9
9	☐			2.22	0.0000	P	173.

$$y = 3.4167E-006 * x + 0.0000E+000$$

$$R = 0.9997$$

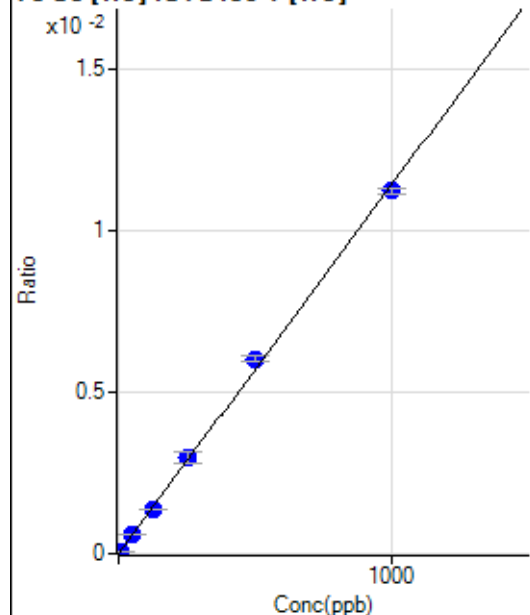
$$DL = 0$$

$$BEC = 0$$

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	0.00	0.0000	P	
2	☐	0.500					
3	☐	5.000	4.863	17.28	0.0001	P	23.8
4	☐	50.000	52.323	188.89	0.0006	P	4.9
5	☐	125.000	120.914	457.42	0.0014	P	1.4
6	☐	250.000	258.439	953.74	0.0029	P	12.1
7	☐	500.000	528.739	1998.93	0.0060	P	2.5
8	☐	1000.000	983.916	3864.77	0.0112	P	1.9
9	☐			6.79	0.0000	P	95.3

$$y = 1.1399\text{E-}005 * x + 0.0000\text{E+}000$$

$$R = 0.9993$$

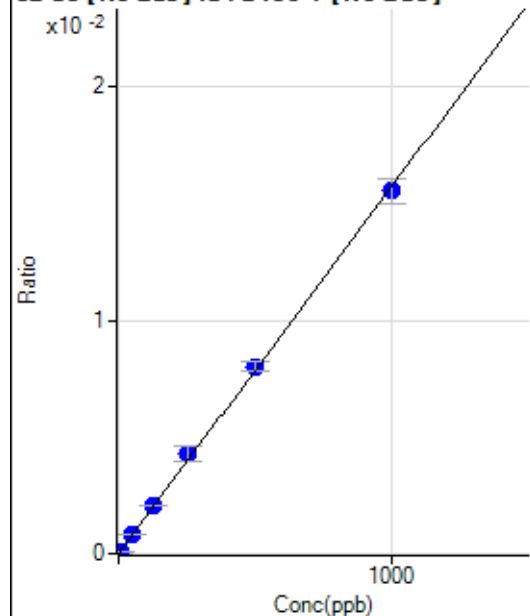
$$DL = 0$$

$$BEC = 0$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	-38.42	0.0000	P	-33.
2	☐	0.500					
3	☐	5.000	4.863	498.14	0.0001	P	6.8
4	☐	50.000	51.177	5437.44	0.0008	P	2.8
5	☐	125.000	130.675	14000.17	0.0020	P	1.6
6	☐	250.000	270.894	28155.37	0.0043	P	15.2
7	☐	500.000	509.879	55807.00	0.0080	P	5.4
8	☐	1000.000	989.070	112654.60	0.0155	P	7.0
9	☐			226.59	0.0000	P	32.8

$$y = 1.5727\text{E-}005 * x - 5.7317\text{E-}006$$

$$R = 0.9997$$

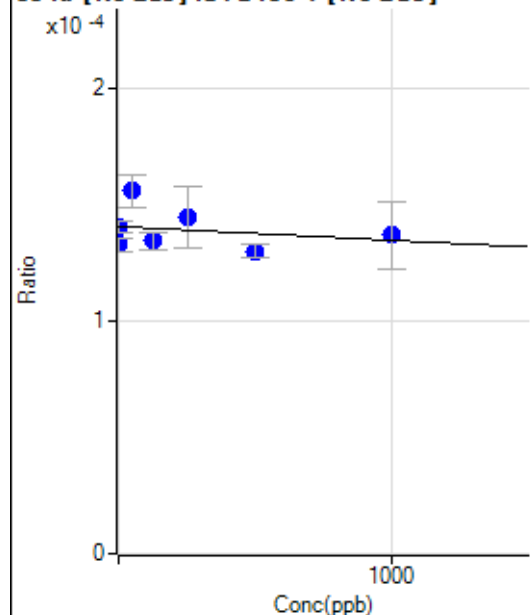
$$DL = 0.3688$$

$$BEC = -0.3645$$

Weight: <None>

Min Conc: 0

83 Kr [No Gas] ISTD:89 Y [No Gas]



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	932.28	0.0001	P	3.4
2	☐	0.100					
3	☐	1.000	1346.621	931.16	0.0001	P	4.3
4	☐	50.000	-2604.648	1056.73	0.0002	P	9.3
5	☐	125.000	1015.685	917.83	0.0001	P	5.6
6	☐	250.000	-703.780	955.61	0.0001	P	18.1
7	☐	500.000	1828.832	903.38	0.0001	P	4.4
8	☐	1000.000	594.080	986.72	0.0001	P	21.0
9	☐			913.38	0.0001	P	7.7

$$y = -5.8725E-009 * x + 1.4036E-004$$

$$R = -0.2810$$

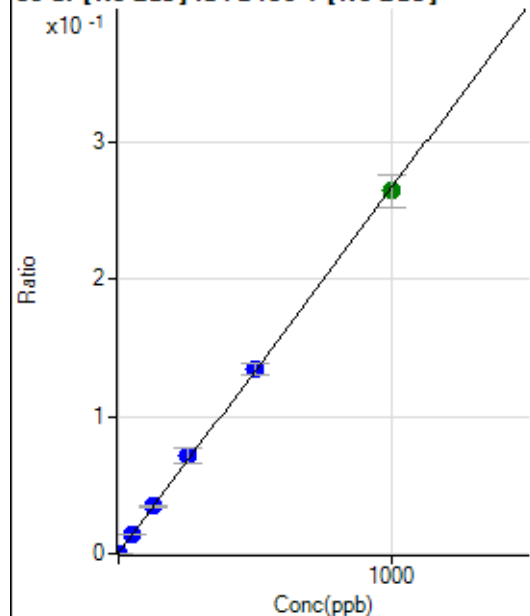
$$DL = -2462$$

$$BEC = -2.39E+04$$

Weight: <None>

Min Conc: 0

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



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	1408.47	0.0002	P	11.3
2	☐	0.100					
3	☐	1.000	0.797	2989.35	0.0004	P	1.6
4	☐	50.000	51.668	95081.04	0.0140	P	5.5
5	☐	125.000	128.348	235250.78	0.0344	P	2.4
6	☐	250.000	268.480	475010.10	0.0718	P	15.6
7	☐	500.000	505.683	940485.92	0.1351	P	5.9
8	☐	1000.000	992.037	1916761.26	0.2648	A	8.8
9	☐			9870.59	0.0015	P	2.5

$$y = 2.6666E-004 * x + 2.1232E-004$$

$$R = 0.9998$$

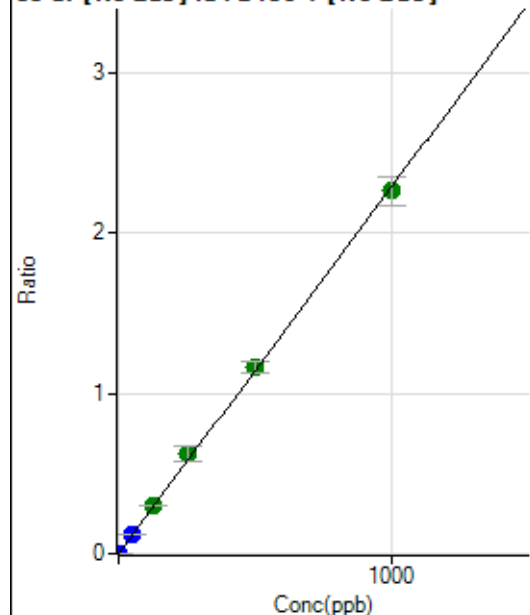
$$DL = 0.269$$

$$BEC = 0.7962$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	88.89	0.0000	P	18.2
2	☐	0.100					
3	☐	1.000	0.952	15403.76	0.0022	P	1.1
4	☐	50.000	52.202	811919.69	0.1194	P	4.6
5	☐	125.000	132.588	2071805.62	0.3033	A	1.7
6	☐	250.000	271.920	4113831.00	0.6220	A	15.9
7	☐	500.000	507.508	8083815.89	1.1609	A	6.1
8	☐	1000.000	989.707	16395966.69	2.2639	A	8.0
9	☐			73923.08	0.0110	P	0.5

$$y = 0.0023 * x + 1.3315E-005$$

$$R = 0.9997$$

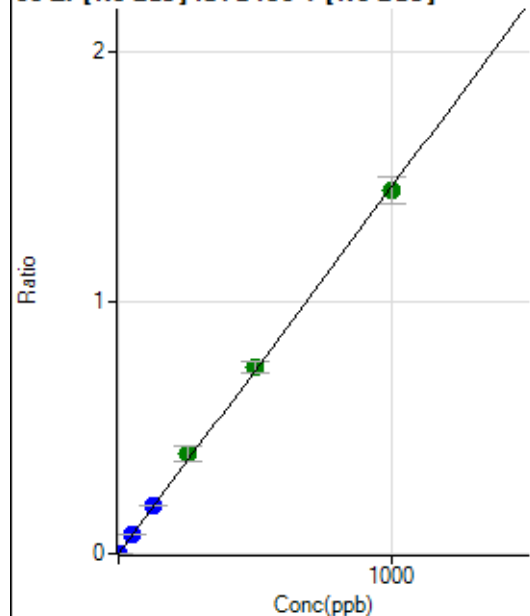
$$DL = 0.003175$$

$$BEC = 0.005821$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	600.04	0.0001	P	18.6
2	☐	0.100					
3	☐	1.000	0.914	10023.54	0.0014	P	1.5
4	☐	50.000	51.495	511769.60	0.0753	P	4.4
5	☐	125.000	129.991	1296935.59	0.1899	P	1.8
6	☐	250.000	271.981	2627760.45	0.3972	A	15.5
7	☐	500.000	508.619	5171582.06	0.7426	A	5.9
8	☐	1000.000	989.497	10465089.04	1.4447	A	7.4
9	☐			5267.90	0.0008	P	1.6

$$y = 0.0015 * x + 8.9921E-005$$

$$R = 0.9997$$

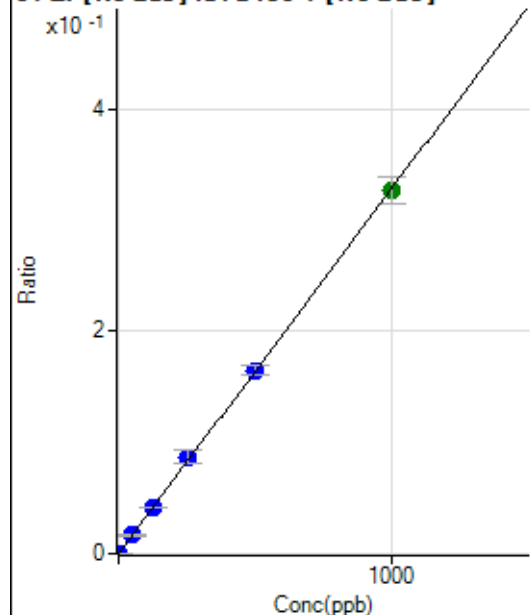
$$DL = 0.03442$$

$$BEC = 0.06159$$

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	141.67	0.0000	P	4.1
2	☐	0.100					
3	☐	1.000	0.878	2175.28	0.0003	P	6.1
4	☐	50.000	50.709	113185.24	0.0167	P	5.2
5	☐	125.000	127.173	285044.67	0.0417	P	2.2
6	☐	250.000	266.042	577360.57	0.0873	P	15.6
7	☐	500.000	502.431	1147695.27	0.1648	P	5.6
8	☐	1000.000	994.467	2362705.35	0.3262	A	7.4
9	☐			1088.99	0.0002	P	5.7

$$y = 3.2796\text{E-}004 * x + 2.1347\text{E-}005$$

$$R = 0.9998$$

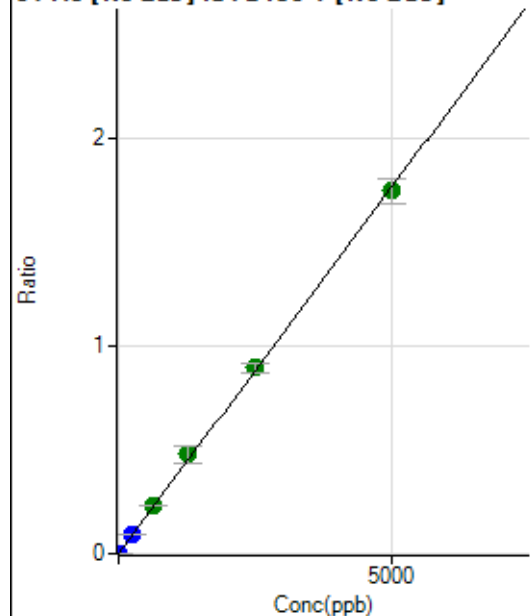
$$DL = 0.007997$$

$$BEC = 0.06509$$

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	252.79	0.0000	P	11.9
2	☐	0.500					
3	☐	5.000	4.721	12011.41	0.0017	P	1.9
4	☐	250.000	259.457	623833.62	0.0917	P	4.3
5	☐	625.000	654.322	1580119.37	0.2313	A	1.8
6	☐	1250.000	1356.819	3170568.21	0.4796	A	16.4
7	☐	2500.000	2534.331	6239214.16	0.8959	A	5.6
8	☐	5000.000	4951.992	12681625.11	1.7504	A	7.1
9	☐			16113.03	0.0024	P	1.1

$$y = 3.5347\text{E-}004 * x + 3.8170\text{E-}005$$

$$R = 0.9997$$

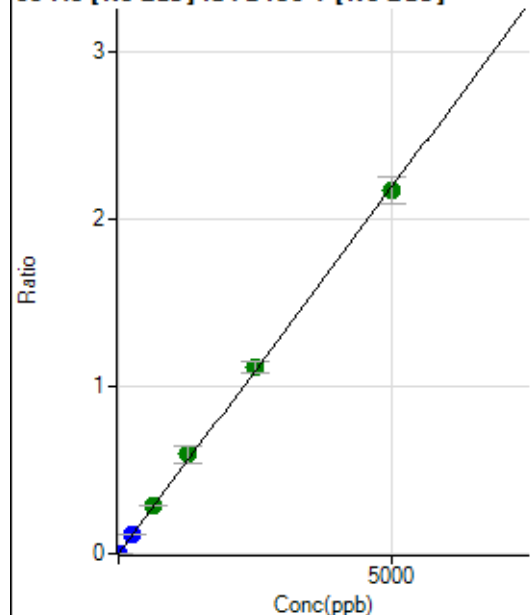
$$DL = 0.03843$$

$$BEC = 0.108$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	133.34	0.0000	P	3.6
2	☐	0.500					
3	☐	5.000	4.906	15275.89	0.0022	P	1.7
4	☐	250.000	256.451	764860.45	0.1125	P	4.5
5	☐	625.000	651.194	1950945.44	0.2856	A	1.7
6	☐	1250.000	1355.012	3928699.61	0.5943	A	16.3
7	☐	2500.000	2535.718	7743465.88	1.1121	A	6.2
8	☐	5000.000	4952.291	15734031.60	2.1720	A	7.6
9	☐			23421.12	0.0035	P	3.3

$$y = 4.3858\text{E-}004 * x + 2.0063\text{E-}005$$

$$R = 0.9997$$

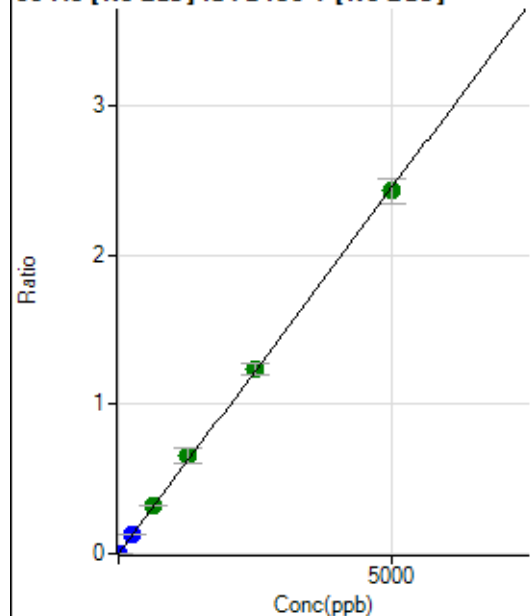
$$DL = 0.004913$$

$$BEC = 0.04575$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	238.90	0.0000	P	35.4
2	☐	0.500					
3	☐	5.000	4.721	16519.06	0.0023	P	2.2
4	☐	250.000	255.711	851570.58	0.1252	P	4.5
5	☐	625.000	656.223	2195070.26	0.3214	A	2.2
6	☐	1250.000	1346.068	4358647.36	0.6592	A	16.1
7	☐	2500.000	2520.297	8594227.97	1.2341	A	5.7
8	☐	5000.000	4961.647	17606313.76	2.4296	A	6.6
9	☐			27125.31	0.0040	P	2.3

$$y = 4.8966\text{E-}004 * x + 3.6282\text{E-}005$$

$$R = 0.9998$$

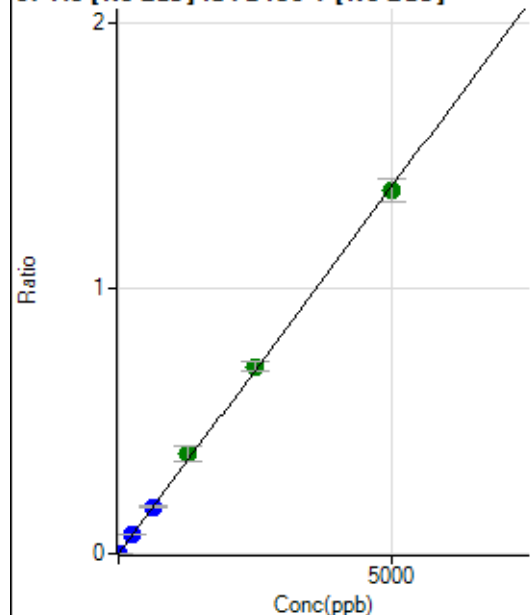
$$DL = 0.07876$$

$$BEC = 0.0741$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	172.23	0.0000	P	24.1
2	☐	0.500					
3	☐	5.000	4.618	9156.27	0.0013	P	1.5
4	☐	250.000	254.889	479011.87	0.0705	P	4.7
5	☐	625.000	639.287	1206814.62	0.1767	P	2.3
6	☐	1250.000	1360.667	2486100.23	0.3760	A	16.2
7	☐	2500.000	2551.272	4910563.65	0.7050	A	5.5
8	☐	5000.000	4944.667	9902377.39	1.3664	A	6.4
9	☐			14780.85	0.0022	P	5.3

$$y = 2.7633\text{E-}004 * x + 2.5835\text{E-}005$$

$$R = 0.9996$$

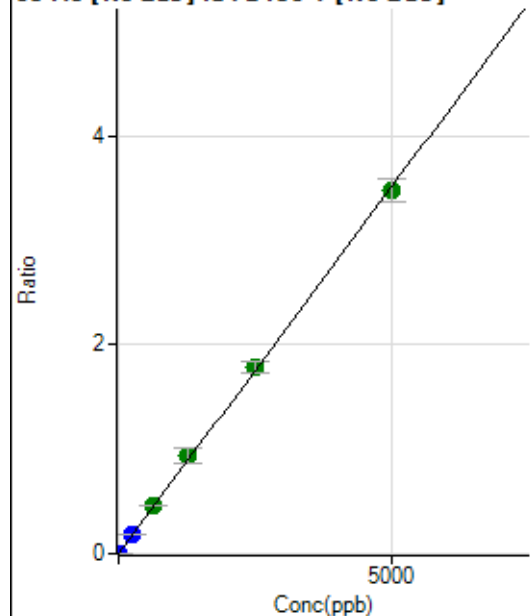
$$DL = 0.06768$$

$$BEC = 0.09349$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	225.01	0.0000	P	11.5
2	☐	0.500					
3	☐	5.000	4.763	23782.83	0.0034	P	0.4
4	☐	250.000	255.602	1220947.10	0.1796	P	5.1
5	☐	625.000	654.755	3142505.54	0.4601	A	2.5
6	☐	1250.000	1345.166	6252754.48	0.9452	A	15.5
7	☐	2500.000	2549.570	12475078.14	1.7914	A	5.7
8	☐	5000.000	4947.424	25189722.26	3.4761	A	6.5
9	☐			37820.65	0.0056	P	2.5

$$y = 7.0261\text{E-}004 * x + 3.3930\text{E-}005$$

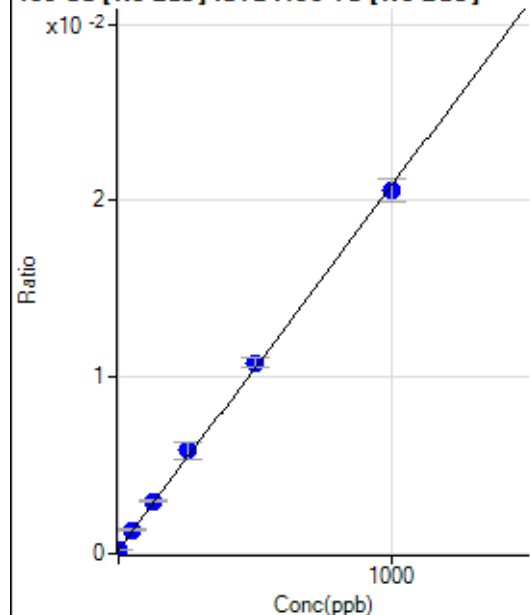
$$R = 0.9997$$

$$DL = 0.01667$$

$$BEC = 0.04829$$

Weight: <None>

Min Conc: 0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	1727.97	0.0002	P	4.9
2	☐	0.100					
3	☐	1.000	1.002	1969.68	0.0002	P	4.2
4	☐	50.000	54.235	10499.02	0.0013	P	3.2
5	☐	125.000	133.379	23259.75	0.0030	P	3.3
6	☐	250.000	272.592	44764.26	0.0059	P	16.1
7	☐	500.000	514.622	88140.23	0.0108	P	5.2
8	☐	1000.000	985.782	172378.61	0.0206	P	6.5
9	☐			1905.78	0.0002	P	7.1

$$y = 2.0622\text{E-}005 * x + 2.2897\text{E-}004$$

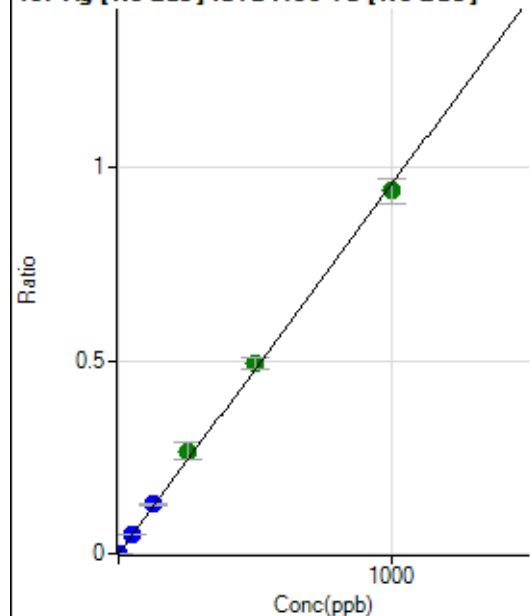
$$R = 0.9995$$

$$DL = 1.626$$

$$BEC = 11.1$$

Weight: <None>

Min Conc: 0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	77.78	0.0000	P	60.7
2	☐	0.100					
3	☐	1.000	0.840	6418.48	0.0008	P	5.9
4	☐	50.000	53.364	397847.97	0.0511	P	4.8
5	☐	125.000	134.106	1002472.99	0.1284	P	2.0
6	☐	250.000	278.316	2038702.28	0.2664	A	16.0
7	☐	500.000	517.336	4025062.89	0.4952	A	6.1
8	☐	1000.000	982.947	7889229.95	0.9409	A	6.6
9	☐			1233.44	0.0002	P	24.5

$$y = 9.5719\text{E-}004 * x + 1.0205\text{E-}005$$

$$R = 0.9993$$

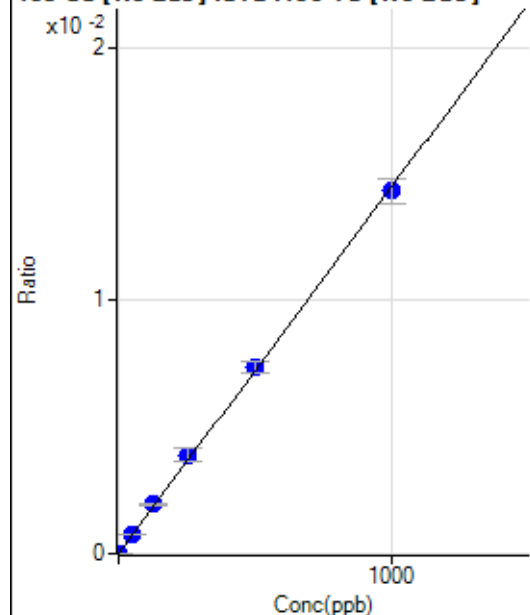
$$DL = 0.01942$$

$$BEC = 0.01066$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	13.89	0.0000	P	62.1
2	☐	0.100					
3	☐	1.000	0.969	125.00	0.0000	P	26.3
4	☐	50.000	51.192	5787.48	0.0007	P	5.0
5	☐	125.000	134.678	15235.26	0.0020	P	3.0
6	☐	250.000	269.934	29950.22	0.0039	P	15.0
7	☐	500.000	508.351	59825.55	0.0074	P	6.2
8	☐	1000.000	989.572	120107.28	0.0143	P	7.0
9	☐			43.05	0.0000	P	46.1

$$y = 1.4477\text{E-}005 * x + 1.8493\text{E-}006$$

$$R = 0.9997$$

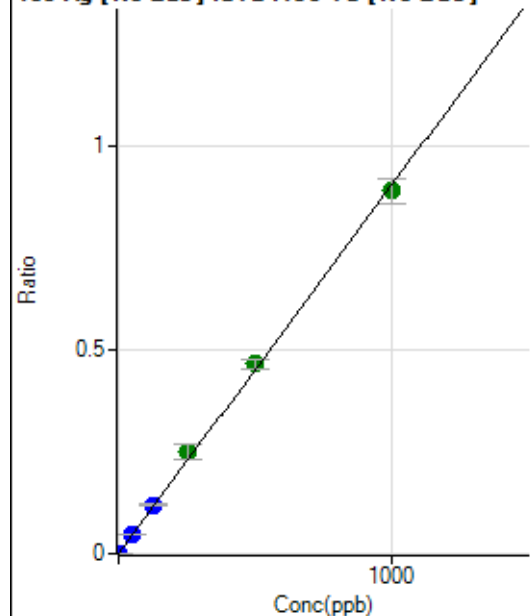
$$DL = 0.2382$$

$$BEC = 0.1277$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	50.00	0.0000	P	76.8
2	☐	0.100					
3	☐	1.000	0.864	6212.87	0.0008	P	4.3
4	☐	50.000	52.760	371481.39	0.0477	P	3.9
5	☐	125.000	133.029	938815.06	0.1202	P	2.2
6	☐	250.000	275.558	1906379.25	0.2490	A	15.6
7	☐	500.000	514.491	3780071.61	0.4650	A	5.3
8	☐	1000.000	985.224	7464058.15	0.8904	A	7.1
9	☐			1172.33	0.0002	P	13.2

$$y = 9.0376\text{E-}004 * x + 6.7582\text{E-}006$$

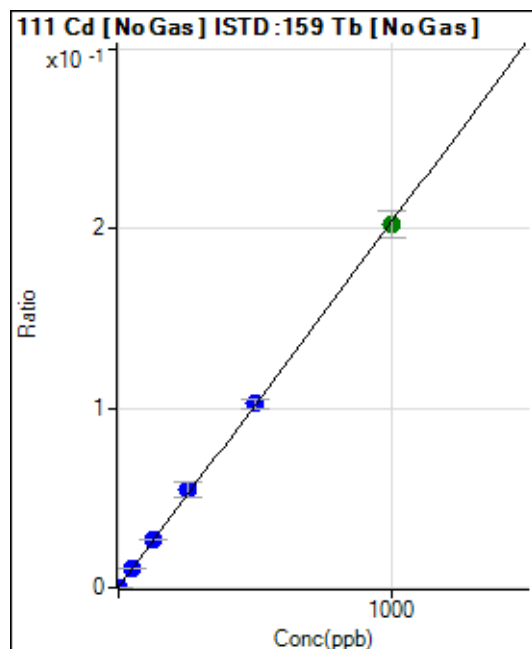
$$R = 0.9995$$

$$DL = 0.01723$$

$$BEC = 0.007478$$

Weight: <None>

Min Conc: 0



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	1219.30	0.0002	P	4.0
2	☐	0.100					
3	☐	1.000	0.961	2817.78	0.0004	P	6.1
4	☐	50.000	52.957	85237.55	0.0109	P	3.4
5	☐	125.000	131.600	210418.18	0.0269	P	2.4
6	☐	250.000	269.379	420794.93	0.0550	P	15.9
7	☐	500.000	502.935	833544.04	0.1025	P	5.1
8	☐	1000.000	992.715	1694718.93	0.2022	A	7.4
9	☐			1806.71	0.0002	P	5.6

$$y = 2.0353\text{E-}004 * x + 1.6157\text{E-}004$$

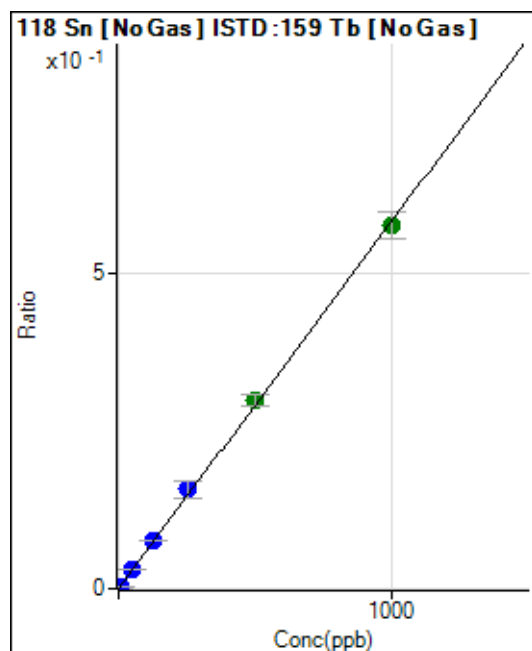
$$R = 0.9998$$

$$DL = 0.09512$$

$$BEC = 0.7938$$

Weight: <None>

Min Conc: 0



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	352.80	0.0000	P	19.3
2	☐	0.500					
3	☐	5.000	4.816	22519.82	0.0029	P	2.1
4	☐	50.000	51.786	235553.56	0.0302	P	4.0
5	☐	125.000	131.094	597137.42	0.0765	P	2.2
6	☐	250.000	270.558	1206393.81	0.1578	P	16.9
7	☐	500.000	511.468	2423882.61	0.2982	A	6.4
8	☐	1000.000	988.277	4829506.92	0.5762	A	7.6
9	☐			11622.24	0.0015	P	4.1

$$y = 5.8303\text{E-}004 * x + 4.6798\text{E-}005$$

$$R = 0.9997$$

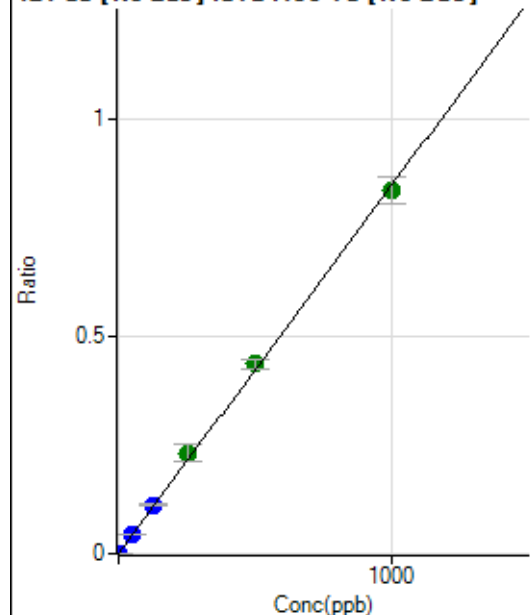
$$DL = 0.04656$$

$$BEC = 0.08027$$

Weight: <None>

Min Conc: 0

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



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	205.57	0.0000	P	26.4
2	☐	0.200					
3	☐	2.000	1.861	12662.10	0.0016	P	0.2
4	☐	50.000	51.760	341956.39	0.0439	P	4.6
5	☐	125.000	131.824	872849.03	0.1118	P	2.7
6	☐	250.000	273.064	1771692.57	0.2315	A	16.2
7	☐	500.000	515.590	3553764.01	0.4372	A	5.5
8	☐	1000.000	985.498	7003550.50	0.8356	A	7.3
9	☐			10251.57	0.0013	P	0.1

$$y = 8.4784\text{E-}004 * x + 2.7268\text{E-}005$$

$$R = 0.9995$$

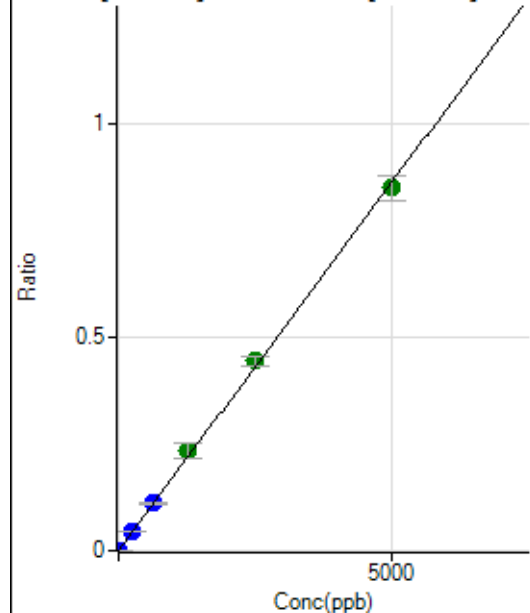
$$DL = 0.02543$$

$$BEC = 0.03216$$

Weight: <None>

Min Conc: 0

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



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	55.56	0.0000	P	37.5
2	☐	1.000					
3	☐	10.000	9.560	13068.19	0.0017	P	2.6
4	☐	250.000	257.834	346501.46	0.0445	P	3.9
5	☐	625.000	649.798	875137.67	0.1121	P	3.0
6	☐	1250.000	1362.599	1798880.90	0.2350	A	16.1
7	☐	2500.000	2576.921	3614027.99	0.4445	A	5.1
8	☐	5000.000	4929.899	7128399.81	0.8504	A	7.0
9	☐			1055.65	0.0001	P	18.2

$$y = 1.7249\text{E-}004 * x + 7.3721\text{E-}006$$

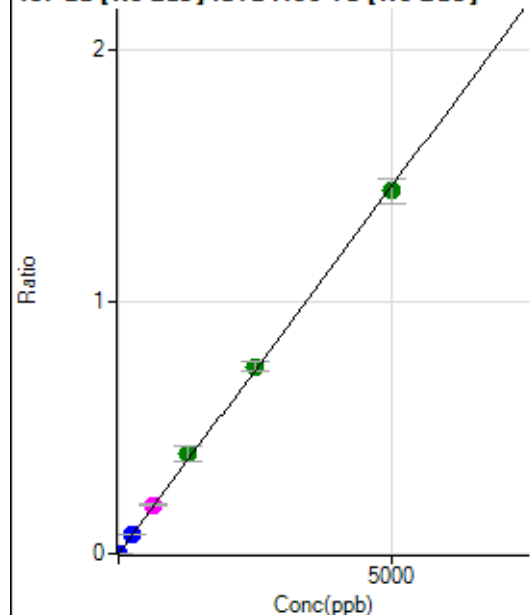
$$R = 0.9995$$

$$DL = 0.04803$$

$$BEC = 0.04274$$

Weight: <None>

Min Conc: 0

¹³⁷Ba [No Gas] ISTD : ¹⁵⁹Tb [No Gas]

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	66.67	0.0000	P	22.1
2	☐	1.000					
3	☐	10.000	9.643	22269.64	0.0028	P	6.1
4	☐	250.000	260.921	593331.48	0.0762	P	4.0
5	☐	625.000	662.670	1510550.54	0.1934	M	3.1
6	☐	1250.000	1363.235	3044468.34	0.3979	A	16.3
7	☐	2500.000	2552.608	6057475.27	0.7451	A	5.4
8	☐	5000.000	4940.133	12090306.17	1.4420	A	6.6
9	☐			1858.56	0.0002	P	17.0

$$y = 2.9190\text{E-}004 * x + 8.7884\text{E-}006$$

$$R = 0.9996$$

$$DL = 0.01992$$

$$BEC = 0.03011$$

Weight: <None>

Min Conc: 0

¹⁵⁰Nd [No Gas] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			8.89		P	114.
2	☐						
3	☐			15.56		P	49.5
4	☐			26.67		P	66.2
5	☐			48.89		P	47.9
6	☐			86.67		P	20.4
7	☐			155.56		P	10.8
8	☐			344.46		P	11.0
9	☐			111.12		P	15.1

150 Nd [He] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			0.00		P	
2	☐						
3	☐			0.00		P	
4	☐			2.22		P	86.6
5	☐			2.22		P	173.
6	☐			3.33		P	0.0
7	☐			4.44		P	114.
8	☐			5.56		P	91.6
9	☐			22.22		P	48.2

156 Dy [No Gas] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			13.89		P	69.3
2	☐						
3	☐			11.11		P	43.3
4	☐			19.45		P	24.7
5	☐			19.44		P	99.0
6	☐			19.44		P	65.5
7	☐			38.89		P	32.7
8	☐			55.56		P	37.8
9	☐			116.67		P	32.7

156 Dy [He] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			0.00		P	
2	☐						
3	☐			0.00		P	
4	☐			2.22		P	86.6
5	☐			0.00		P	
6	☐			0.00		P	
7	☐			6.67		P	50.0
8	☐			12.22		P	15.7
9	☐			22.22		P	22.9

160 Gd [No Gas] Noavailable calibration poin_

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			47.22		P	44.4
2	☐						
3	☐			63.89		P	27.2
4	☐			63.89		P	32.8
5	☐			80.56		P	39.2
6	☐			36.11		P	93.3
7	☐			83.34		P	30.0
8	☐			80.56		P	46.6
9	☐			130.56		P	20.5

160 Gd [He] No available calibration points

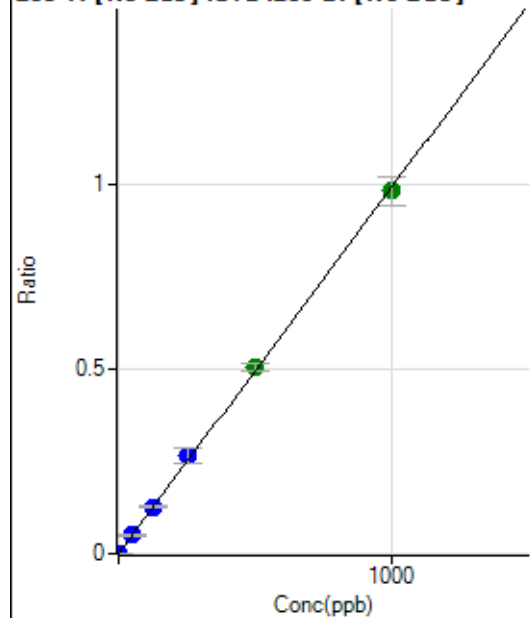
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			6.67		P	100.
2	☐						
3	☐			12.22		P	68.7
4	☐			20.00		P	76.4
5	☐			7.78		P	65.5
6	☐			11.11		P	75.5
7	☐			13.33		P	66.1
8	☐			13.33		P	90.1
9	☐			31.11		P	62.8

164 Er [No Gas] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			25.00		P	0.0
2	☐						
3	☐			36.11		P	48.0
4	☐			41.67		P	20.0
5	☐			41.67		P	34.6
6	☐			22.22		P	21.6
7	☐			30.56		P	31.5
8	☐			44.44		P	21.7
9	☐			36.11		P	26.7

164 Er [He] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			4.44		P	114.
2	☐						
3	☐			5.55		P	69.3
4	☐			1.11		P	173.
5	☐			5.56		P	91.6
6	☐			10.00		P	66.7
7	☐			4.44		P	43.4
8	☐			6.67		P	50.0
9	☐			12.22		P	31.5

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	61.12	0.0000	P	11.4
2	☐	0.100					
3	☐	1.000	0.946	4770.56	0.0010	P	6.7
4	☐	50.000	50.725	246206.40	0.0504	P	5.2
5	☐	125.000	127.845	627481.32	0.1269	P	2.9
6	☐	250.000	266.854	1272054.29	0.2649	P	15.3
7	☐	500.000	508.570	2569602.36	0.5048	A	3.9
8	☐	1000.000	991.110	5125671.38	0.9838	A	8.0
9	☐			5220.74	0.0011	P	1.8

$$y = 9.9265E-004 * x + 1.2962E-005$$

$$R = 0.9998$$

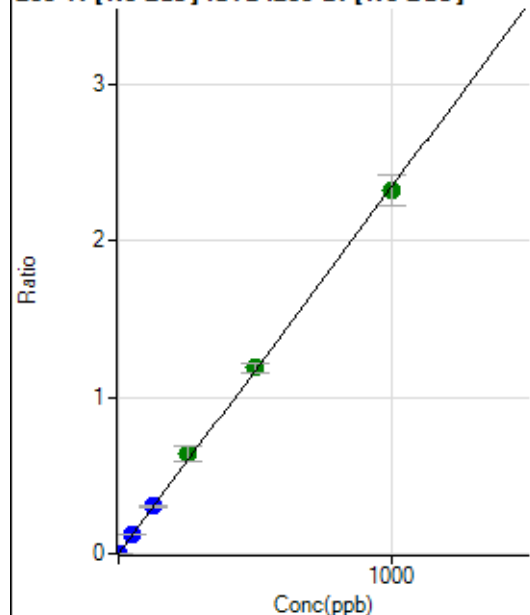
$$DL = 0.004463$$

$$BEC = 0.01306$$

Weight: <None>

Min Conc: 0

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



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	252.79	0.0001	P	38.8
2	☐	0.100					
3	☐	1.000	0.899	10802.28	0.0022	P	4.3
4	☐	50.000	51.476	588907.75	0.1205	P	5.2
5	☐	125.000	129.938	1503021.16	0.3040	P	3.0
6	☐	250.000	274.567	3084605.10	0.6423	A	15.2
7	☐	500.000	506.723	6031873.05	1.1854	A	4.6
8	☐	1000.000	989.806	12061512.34	2.3154	A	8.4
9	☐			12050.68	0.0026	P	3.1

$$y = 0.0023 * x + 5.3040E-005$$

$$R = 0.9996$$

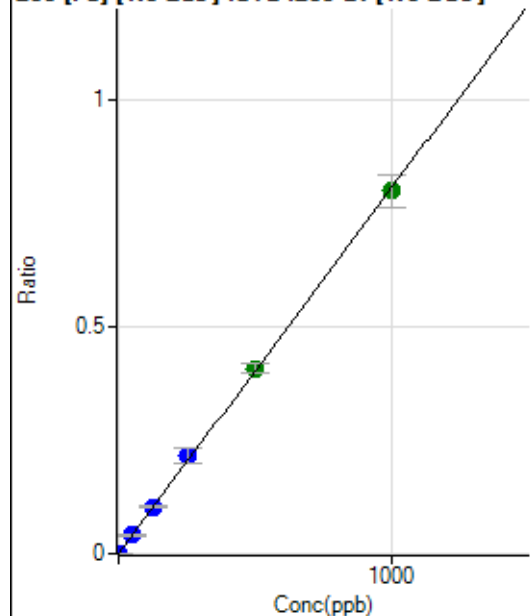
$$DL = 0.0264$$

$$BEC = 0.02267$$

Weight: <None>

Min Conc: 0

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



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	268.53	0.0001	P	6.6
2	☐	0.100					
3	☐	1.000	0.900	3917.39	0.0008	P	1.3
4	☐	50.000	50.835	200354.79	0.0410	P	5.4
5	☐	125.000	128.773	512896.26	0.1037	P	2.9
6	☐	250.000	266.376	1030049.84	0.2145	P	15.5
7	☐	500.000	506.469	2075563.52	0.4079	A	4.6
8	☐	1000.000	992.158	4160262.33	0.7989	A	9.0
9	☐			22707.80	0.0050	P	2.8

$$y = 8.0517E-004 * x + 5.6864E-005$$

$$R = 0.9998$$

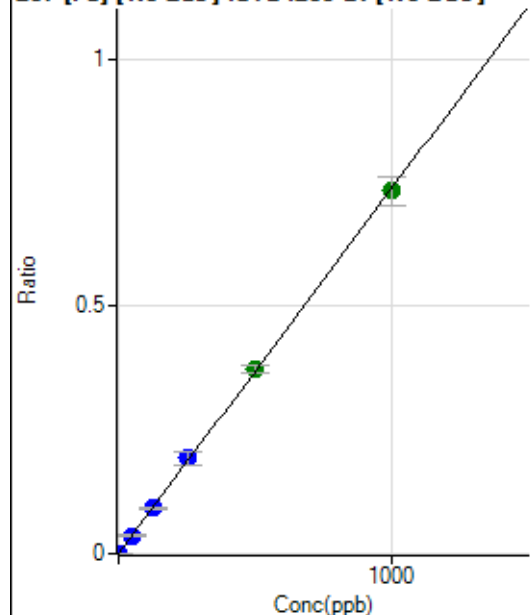
$$DL = 0.01407$$

$$BEC = 0.07062$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	279.64	0.0001	P	24.5
2	☐	0.100					
3	☐	1.000	0.831	3372.78	0.0007	P	5.3
4	☐	50.000	49.691	179671.59	0.0368	P	5.5
5	☐	125.000	125.824	459630.69	0.0930	P	3.7
6	☐	250.000	261.028	926311.12	0.1928	P	15.0
7	☐	500.000	506.490	1904008.06	0.3741	A	4.4
8	☐	1000.000	993.911	3824208.25	0.7341	A	8.2
9	☐			19368.99	0.0042	P	2.0

$$y = 7.3853\text{E-}004 * x + 5.9028\text{E-}005$$

$$R = 0.9999$$

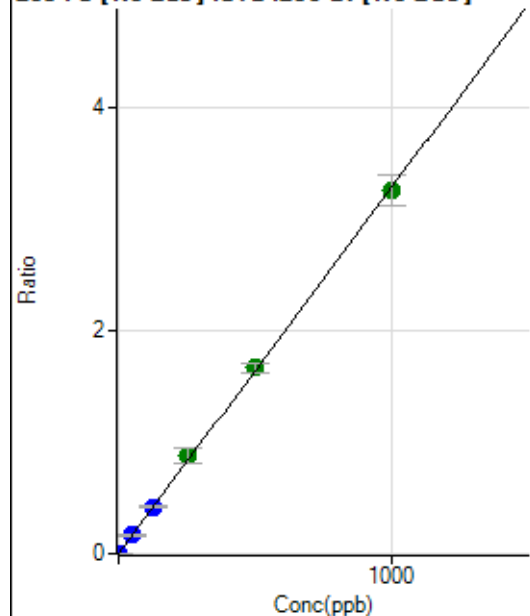
$$DL = 0.05873$$

$$BEC = 0.07993$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	1124.13	0.0002	P	4.6
2	☐	0.100					
3	☐	1.000	0.867	15439.36	0.0031	P	1.4
4	☐	50.000	50.650	812497.12	0.1662	P	5.0
5	☐	125.000	128.028	2074779.76	0.4197	P	3.5
6	☐	250.000	267.759	4216337.08	0.8775	A	14.8
7	☐	500.000	508.348	8475471.04	1.6658	A	5.1
8	☐	1000.000	990.976	16911194.68	3.2471	A	8.7
9	☐			89337.77	0.0196	P	2.3

$$y = 0.0033 * x + 2.3776\text{E-}004$$

$$R = 0.9998$$

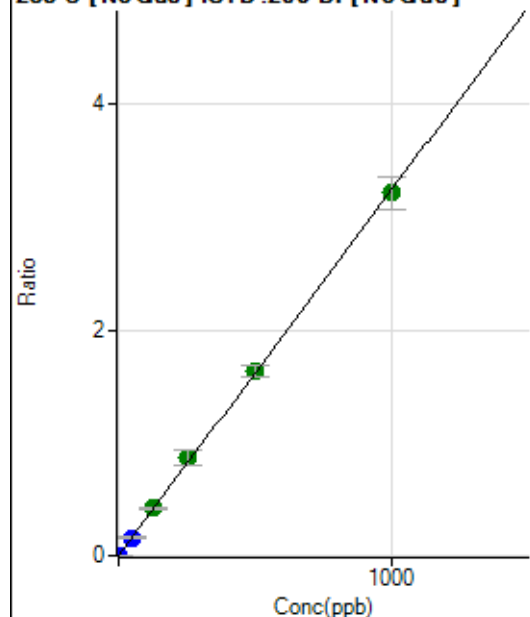
$$DL = 0.01005$$

$$BEC = 0.07257$$

Weight: <None>

Min Conc: 0

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



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	447.26	0.0001	P	6.6
2	☐	0.100					
3	☐	1.000	0.854	14336.76	0.0029	P	1.6
4	☐	50.000	49.855	790391.21	0.1616	P	4.6
5	☐	125.000	128.875	2065095.90	0.4177	A	2.2
6	☐	250.000	268.614	4180374.48	0.8704	A	15.1
7	☐	500.000	505.456	8328131.53	1.6378	A	6.8
8	☐	1000.000	992.142	16740162.87	3.2147	A	9.1
9	☐			1013.99	0.0002	P	30.7

$$y = 0.0032 * x + 9.4635E-005$$

$$R = 0.9998$$

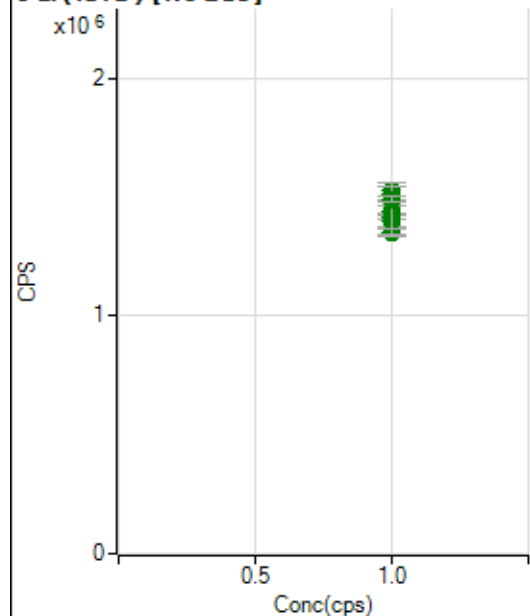
$$DL = 0.00577$$

$$BEC = 0.02921$$

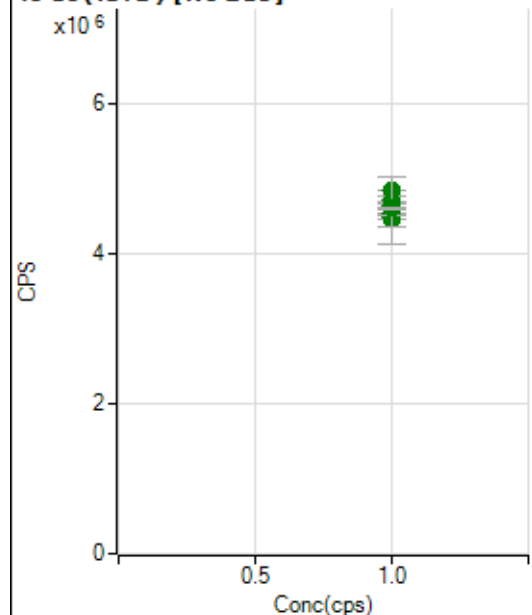
Weight: <None>

Min Conc: 0

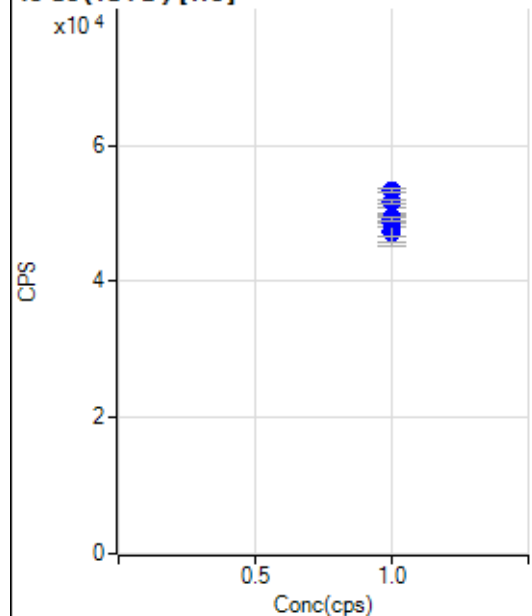
6 Li (ISTD) [No Gas]



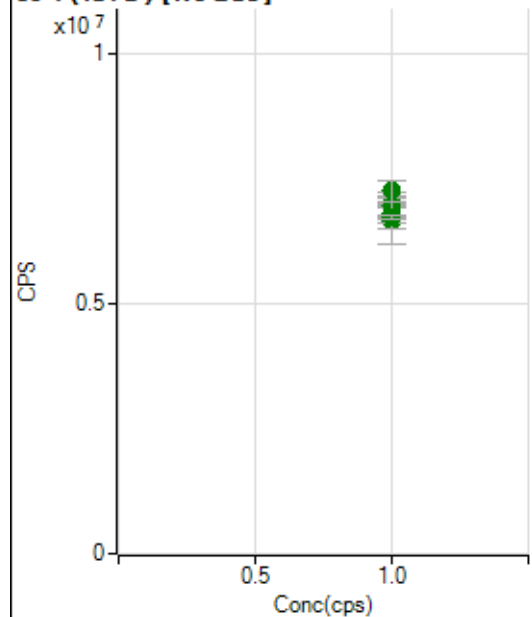
	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		1354066.52		A	2.9
2	☐	1.000					
3	☐	1.000		1416253.30		A	1.3
4	☐	1.000		1398393.27		A	4.8
5	☐	1.000		1445057.65		A	3.3
6	☐	1.000		1444721.22		A	13.6
7	☐	1.000		1527610.85		A	4.6
8	☐	1.000		1514699.85		A	4.6
9	☐	1.000		1493732.82		A	1.3

45 Sc (ISTD) [No Gas]

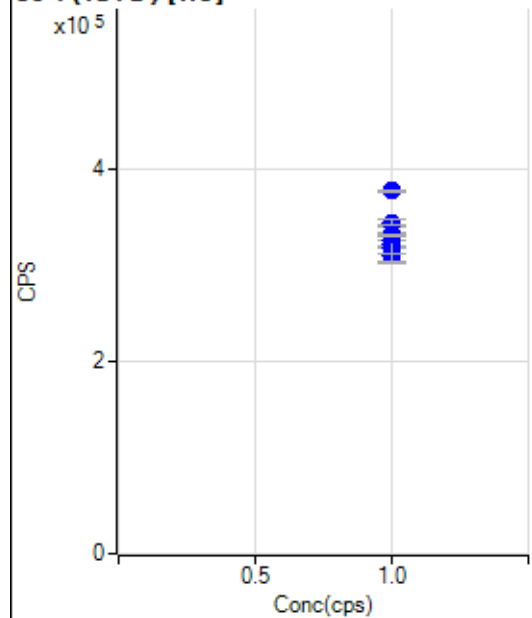
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		4454666.16		A	4.2
2	☐	1.000					
3	☐	1.000		4728480.70		A	1.3
4	☐	1.000		4609562.78		A	6.5
5	☐	1.000		4529978.36		A	2.8
6	☐	1.000		4489761.25		A	15.6
7	☐	1.000		4644198.06		A	5.2
8	☐	1.000		4836195.42		A	7.3
9	☐	1.000		4602681.05		A	0.8

45 Sc (ISTD) [He]

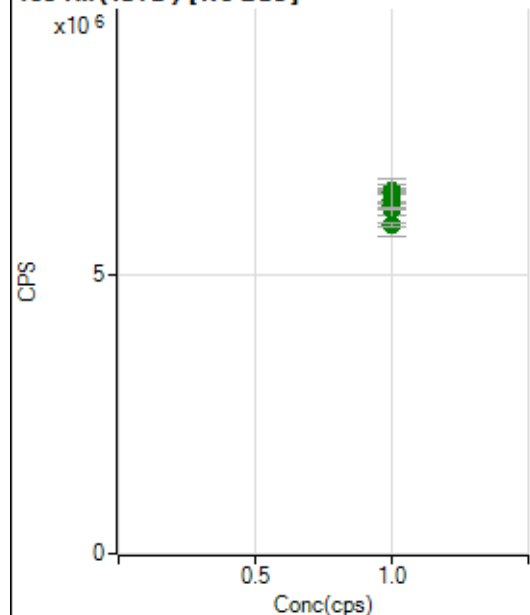
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		49064.50		P	3.7
2	☐	1.000					
3	☐	1.000		47204.15		P	6.2
4	☐	1.000		47494.18		P	9.0
5	☐	1.000		49567.31		P	1.0
6	☐	1.000		48681.99		P	8.9
7	☐	1.000		49160.32		P	1.0
8	☐	1.000		51700.22		P	1.5
9	☐	1.000		53315.46		P	0.9

89 Y (ISTD) [No Gas]

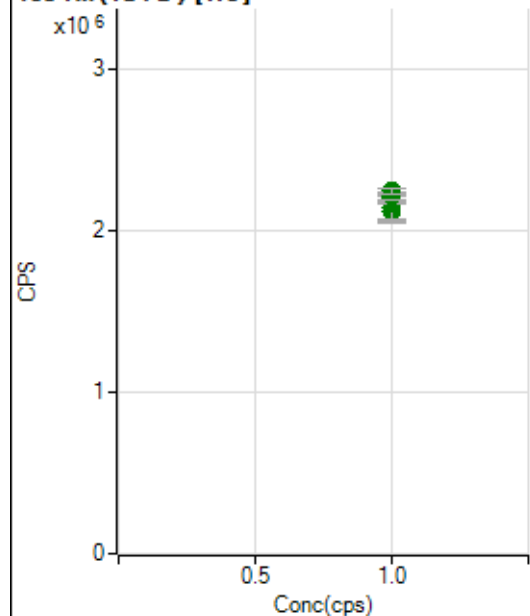
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		6643808.79		A	4.0
2	☐	1.000					
3	☐	1.000		7034755.94		A	2.2
4	☐	1.000		6811130.66		A	6.0
5	☐	1.000		6832182.26		A	2.4
6	☐	1.000		6721541.85		A	15.3
7	☐	1.000		6978321.70		A	5.5
8	☐	1.000		7263453.02		A	5.6
9	☐	1.000		6741738.37		A	0.9

89 Y (ISTD) [He]

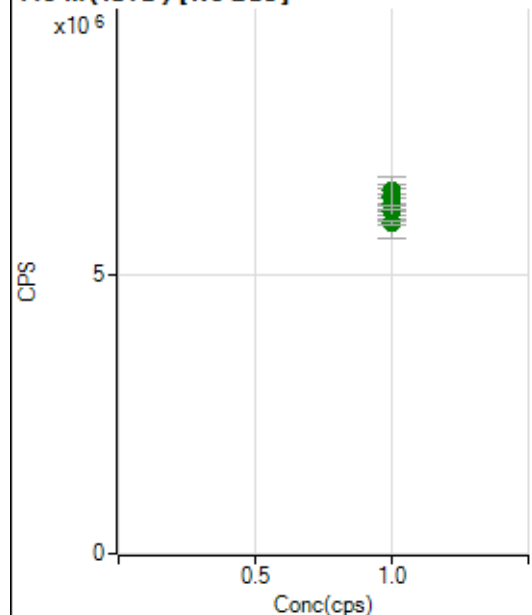
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		322719.66		P	2.6
2	☐	1.000					
3	☐	1.000		310751.41		P	5.7
4	☐	1.000		317564.82		P	8.5
5	☐	1.000		331843.49		P	1.1
6	☐	1.000		325988.85		P	8.5
7	☐	1.000		331643.51		P	0.4
8	☐	1.000		344626.15		P	1.6
9	☐	1.000		377593.12		P	0.8

103 Rh (ISTD) [No Gas]

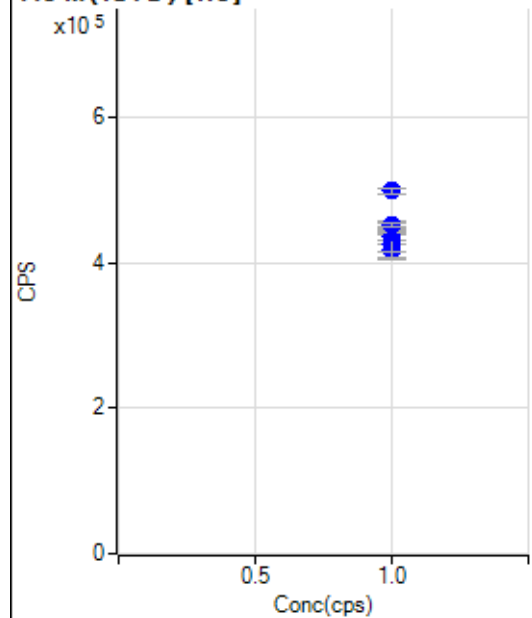
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		6174021.75		A	3.2
2	☐	1.000					
3	☐	1.000		6511680.88		A	1.4
4	☐	1.000		6328036.95		A	4.9
5	☐	1.000		6259099.92		A	2.4
6	☐	1.000		6163388.72		A	15.5
7	☐	1.000		6345824.49		A	5.2
8	☐	1.000		6472041.07		A	7.5
9	☐	1.000		5895422.66		A	0.9

103 Rh (ISTD) [He]

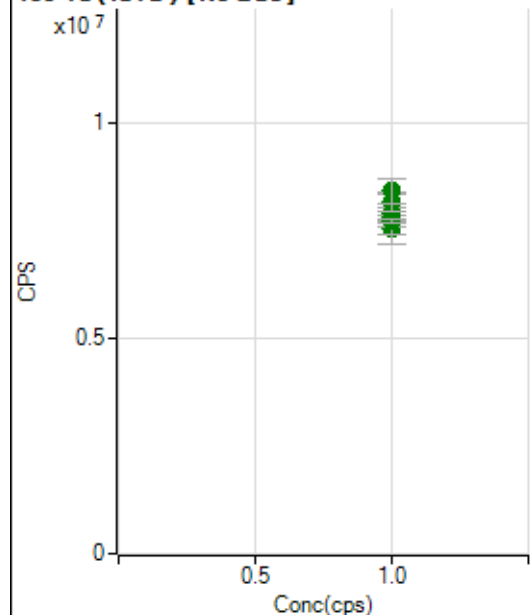
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		2203678.96		A	2.9
2	☐	1.000					
3	☐	1.000		2116042.92		A	6.0
4	☐	1.000		2142317.68		A	9.1
5	☐	1.000		2202078.44		A	1.1
6	☐	1.000		2166728.11		A	9.0
7	☐	1.000		2168562.35		A	0.7
8	☐	1.000		2208863.72		A	1.6
9	☐	1.000		2243360.64		A	1.4

115 In (ISTD) [No Gas]

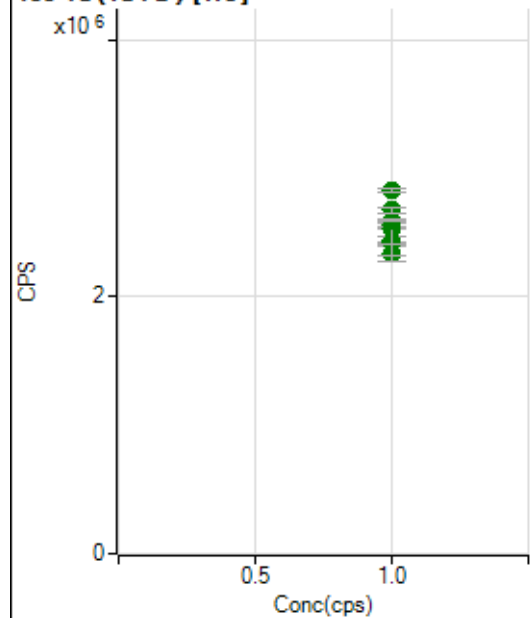
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		6133532.57		A	4.9
2	☐	1.000					
3	☐	1.000		6407921.80		A	1.0
4	☐	1.000		6249172.89		A	5.8
5	☐	1.000		6266356.54		A	3.8
6	☐	1.000		6140748.32		A	15.9
7	☐	1.000		6369289.07		A	5.9
8	☐	1.000		6497687.50		A	7.8
9	☐	1.000		5926025.94		A	1.7

115 In (ISTD) [He]

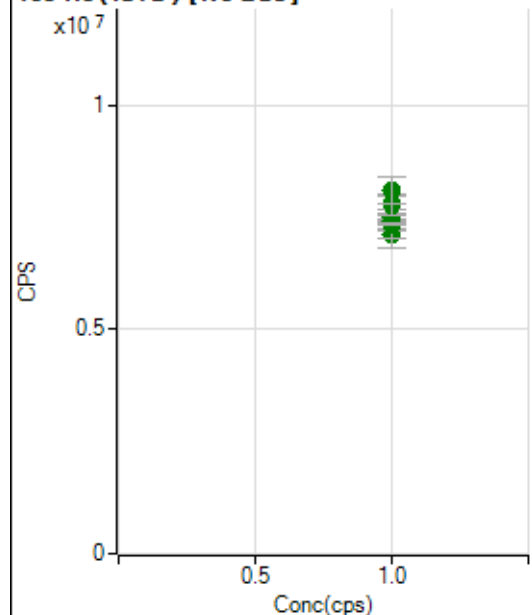
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		432157.64		P	3.0
2	☐	1.000					
3	☐	1.000		417621.53		P	6.0
4	☐	1.000		425546.56		P	8.9
5	☐	1.000		443623.87		P	1.1
6	☐	1.000		437368.44		P	9.6
7	☐	1.000		442053.98		P	0.4
8	☐	1.000		451463.24		P	1.4
9	☐	1.000		498827.89		P	1.5

159 Tb (ISTD) [No Gas]

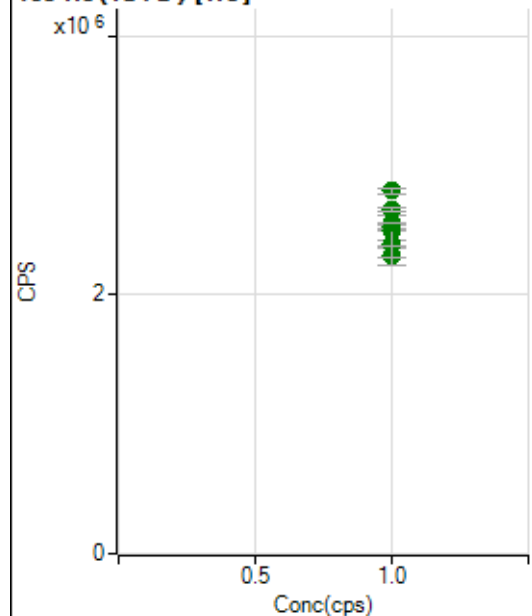
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		7550708.77		A	3.9
2	☐	1.000					
3	☐	1.000		7888023.36		A	1.3
4	☐	1.000		7801627.04		A	5.9
5	☐	1.000		7810719.26		A	2.7
6	☐	1.000		7781418.08		A	15.7
7	☐	1.000		8143783.49		A	5.0
8	☐	1.000		8409103.07		A	6.9
9	☐	1.000		7712133.43		A	0.9

159 Tb (ISTD) [He]

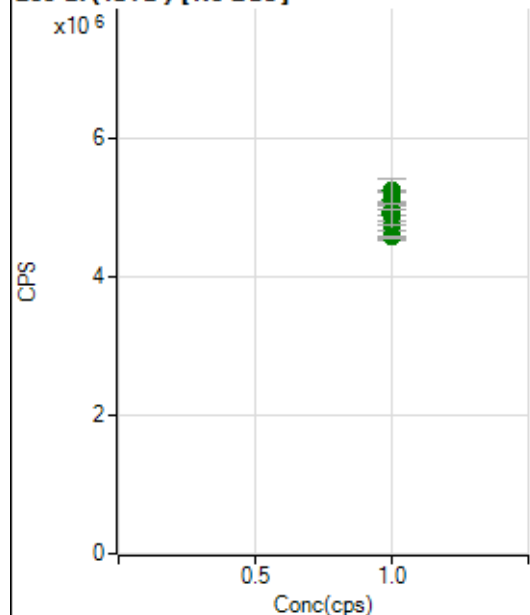
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		2444960.24		A	2.0
2	☐	1.000					
3	☐	1.000		2336979.01		A	5.4
4	☐	1.000		2424699.18		A	8.4
5	☐	1.000		2560758.36		A	1.5
6	☐	1.000		2533586.01		A	9.7
7	☐	1.000		2596896.07		A	0.2
8	☐	1.000		2680035.79		A	1.7
9	☐	1.000		2826094.89		A	1.1

165 Ho (ISTD) [No Gas]

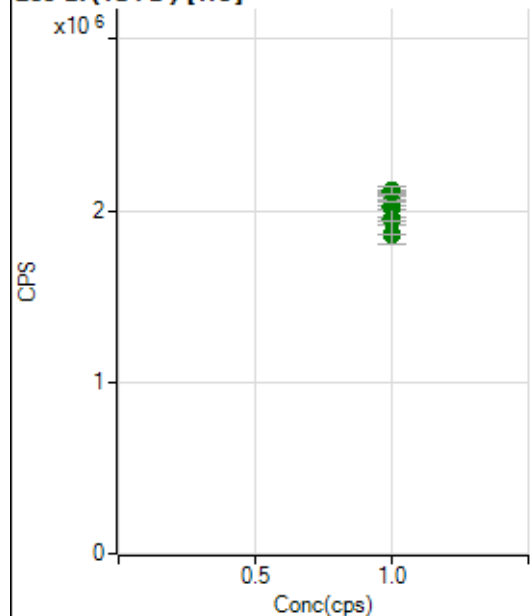
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		7138332.54		A	3.4
2	☐	1.000					
3	☐	1.000		7520257.02		A	1.5
4	☐	1.000		7425617.01		A	6.4
5	☐	1.000		7525928.12		A	2.4
6	☐	1.000		7403224.30		A	15.7
7	☐	1.000		7791824.56		A	6.1
8	☐	1.000		8095734.21		A	7.4
9	☐	1.000		7353315.36		A	0.7

165 Ho (ISTD) [He]

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		2389663.14		A	3.0
2	☐	1.000					
3	☐	1.000		2308445.83		A	6.4
4	☐	1.000		2390726.63		A	8.8
5	☐	1.000		2518829.15		A	1.2
6	☐	1.000		2494378.64		A	9.5
7	☐	1.000		2554892.74		A	0.5
8	☐	1.000		2659025.10		A	1.1
9	☐	1.000		2801878.81		A	1.9

209 Bi (ISTD) [No Gas]

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		4727117.74		A	3.5
2	☐	1.000					
3	☐	1.000		5012029.27		A	1.9
4	☐	1.000		4899526.84		A	6.5
5	☐	1.000		4946330.97		A	2.8
6	☐	1.000		4874977.60		A	14.8
7	☐	1.000		5096098.05		A	4.9
8	☐	1.000		5229034.47		A	7.1
9	☐	1.000		4566054.20		A	0.7

209 Bi (ISTD) [He]

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		1940801.36		A	2.0
2	☐	1.000					
3	☐	1.000		1859907.90		A	5.8
4	☐	1.000		1954415.00		A	9.7
5	☐	1.000		2019241.86		A	0.8
6	☐	1.000		2024072.57		A	8.8
7	☐	1.000		2056977.24		A	0.7
8	☐	1.000		2105277.92		A	1.5
9	☐	1.000		2115510.21		A	2.1