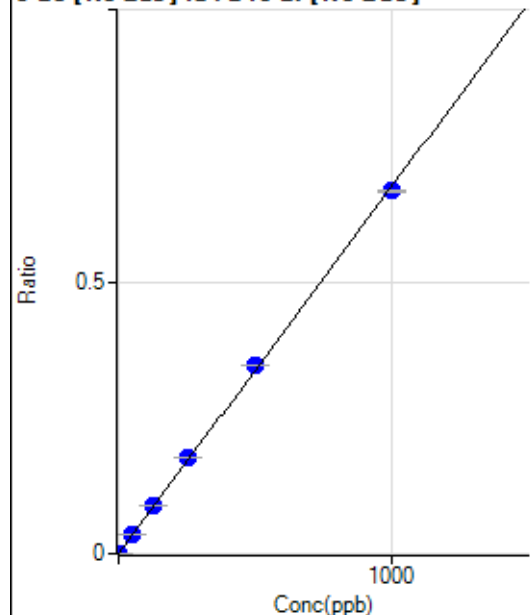


Batch Folder: D:\ICP-MS Data\P7062019 MS.b\
Analysis File: P7062019 MS.batch.bin
DA Date-Time: 2019-06-20 17:32:46
Calibration Title:
Calibration Method: External Calibration
VIS Interpolation Fit:

Level	Standard Data File	Sample Name	Acq. Date-Time
1	003CALB.d	S00	2019-06-20 11:22:06
2			
3	005CALS.d	S02	2019-06-20 11:29:56
4	006CALS.d	S03	2019-06-20 11:33:52
5	007CALS.d	S04	2019-06-20 11:37:49
6	008CALS.d	S05	2019-06-20 11:41:42
7	009CALS.d	S06	2019-06-20 11:45:33
8	010CALS.d	S07	2019-06-20 11:49:22
9	011CALS.d	S08	2019-06-20 11:53:10

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



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	70.00	0.0001	P	36.2
2	☐	0.100					
3	☐	1.000	1.028	1024.49	0.0007	P	2.2
4	☐	50.000	52.916	48692.23	0.0357	P	1.1
5	☐	125.000	132.131	107369.00	0.0891	P	0.4
6	☐	250.000	260.566	190272.55	0.1757	P	0.5
7	☐	500.000	514.940	353127.42	0.3473	P	0.3
8	☐	1000.000	988.851	677756.97	0.6668	P	0.4
9	☐			256.67	0.0002	P	15.2

$$y = 6.7426E-004 * x + 5.1818E-005$$

$$R = 0.9998$$

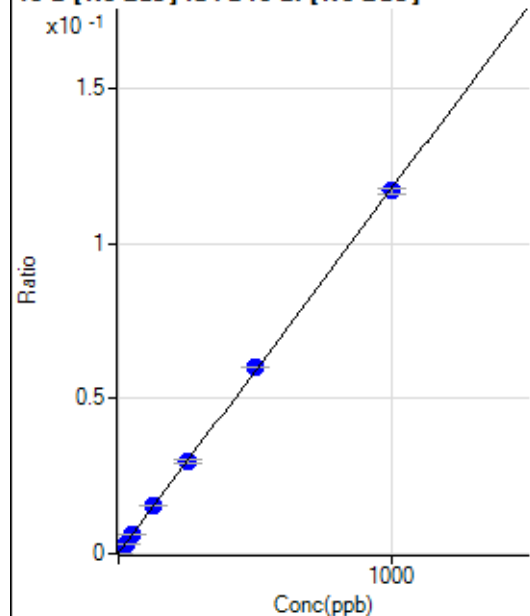
$$DL = 0.08336$$

$$BEC = 0.07685$$

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	263.90	0.0002	P	33.9
2	☐	2.500					
3	☐	25.000	23.614	4084.05	0.0030	P	3.4
4	☐	50.000	50.749	8394.31	0.0062	P	0.9
5	☐	125.000	130.653	18728.84	0.0156	P	2.1
6	☐	250.000	250.261	32059.71	0.0296	P	4.6
7	☐	500.000	510.296	61191.16	0.0602	P	1.0
8	☐	1000.000	994.077	118956.22	0.1170	P	1.4
9	☐			5031.58	0.0047	P	3.7

$$y = 1.1754E-004 * x + 1.9534E-004$$

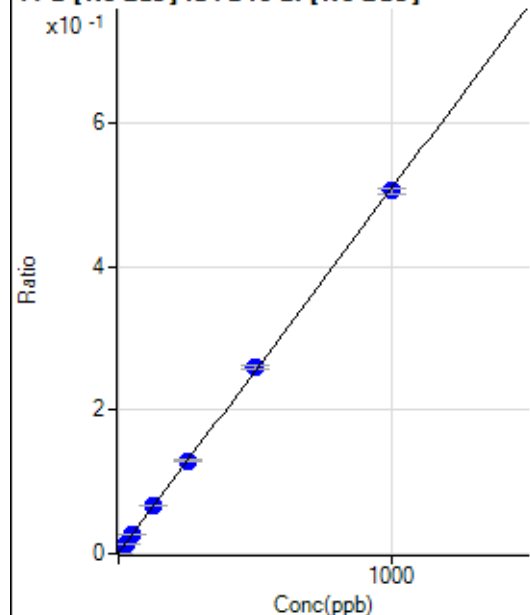
$$R = 0.9999$$

$$DL = 1.689$$

$$BEC = 1.662$$

Weight: <None>

Min Conc: 0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	1202.88	0.0009	P	8.6
2	☐	2.500					
3	☐	25.000	23.903	17936.17	0.0130	P	2.5
4	☐	50.000	50.697	36339.03	0.0267	P	2.7
5	☐	125.000	128.496	79772.00	0.0662	P	0.5
6	☐	250.000	253.710	140637.01	0.1299	P	1.3
7	☐	500.000	510.027	264645.86	0.2602	P	1.1
8	☐	1000.000	993.615	514444.24	0.5061	P	1.7
9	☐			22044.66	0.0207	P	9.9

$$y = 5.0850\text{E-}004 * x + 8.8986\text{E-}004$$

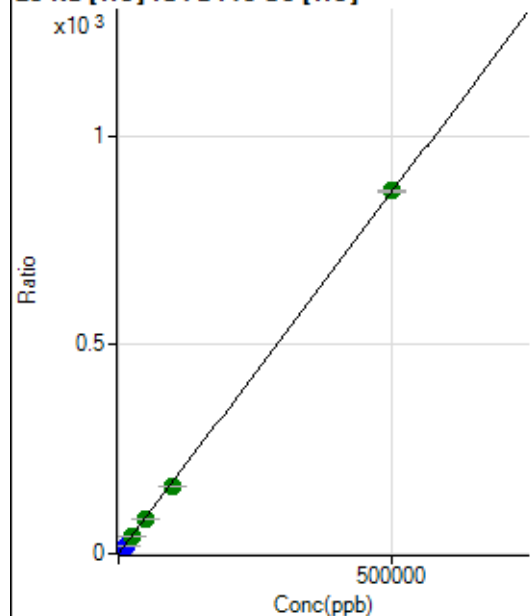
$$R = 0.9999$$

$$DL = 0.4511$$

$$BEC = 1.75$$

Weight: <None>

Min Conc: 0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	2336.38	0.0170	P	2.2
2	☐	50.000					
3	☐	500.000	436.255	108131.72	0.7709	P	1.2
4	☐	5000.000	4678.382	1071677.32	8.1019	P	0.3
5	☐	12500.000	11749.932	2302600.92	20.3227	P	1.7
6	☐	25000.000	23382.532	4147807.77	40.4256	A	1.1
7	☐	50000.000	47118.143	8073524.57	81.4444	A	0.5
8	☐	100000.00	92282.449	15935353.14	159.4952	A	0.8
9	☐	500000.00	501934.60	93638394.45	867.4371	A	0.8

$$y = 0.0017 * x + 0.0170$$

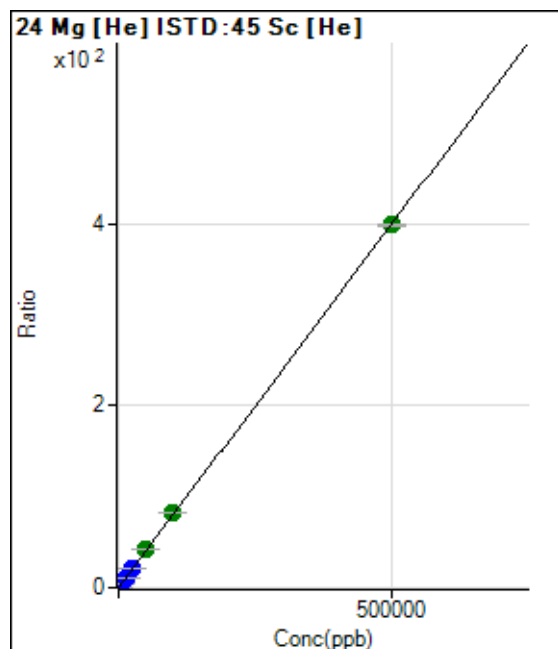
$$R = 0.9999$$

$$DL = 0.6346$$

$$BEC = 9.823$$

Weight: <None>

Min Conc: 0



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	147.23	0.0011	P	18.8
2	☐	50.000					
3	☐	500.000	506.577	56922.63	0.4059	P	3.1
4	☐	5000.000	5219.252	551849.18	4.1719	P	0.1
5	☐	12500.000	13151.465	1190848.93	10.5108	P	2.3
6	☐	25000.000	26034.968	2134830.43	20.8064	P	1.0
7	☐	50000.000	52263.244	4140274.05	41.7663	A	0.2
8	☐	100000.00	102491.91	8183308.43	81.9056	A	0.8
9	☐	500000.00	499205.05	43065015.20	398.9315	A	0.6

$$y = 7.9913\text{E-}004 * x + 0.0011$$

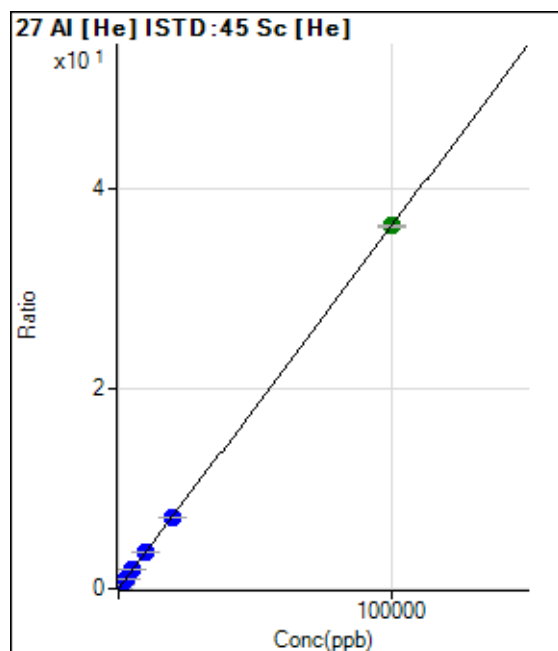
$$R = 1.0000$$

$$DL = 0.7539$$

$$BEC = 1.34$$

Weight: <None>

Min Conc: 0



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	16.66	0.0001	P	86.5
2	☐	2.000					
3	☐	20.000	19.184	991.74	0.0071	P	11.5
4	☐	1000.000	1028.601	49321.16	0.3729	P	1.1
5	☐	2500.000	2542.481	104426.53	0.9215	P	0.5
6	☐	5000.000	5110.778	190047.52	1.8523	P	1.1
7	☐	10000.000	10208.577	366751.59	3.6997	P	0.3
8	☐	20000.000	19758.151	715421.42	7.1605	P	0.7
9	☐	100000.00	100020.62	3912945.62	36.2477	A	0.7

$$y = 3.6240\text{E-}004 * x + 1.2102\text{E-}004$$

$$R = 1.0000$$

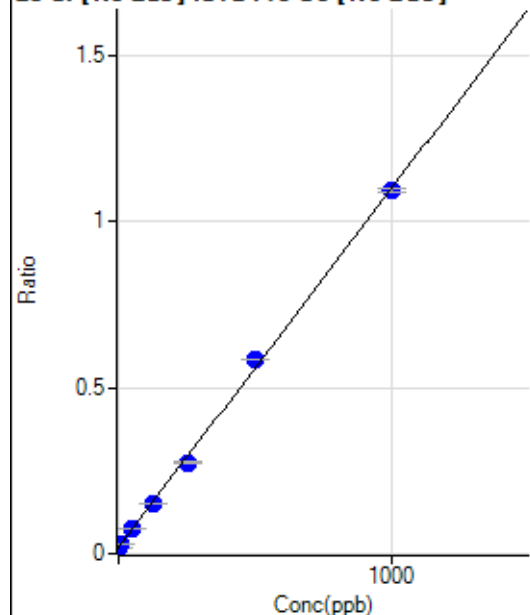
$$DL = 0.867$$

$$BEC = 0.334$$

Weight: <None>

Min Conc: 0

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



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	48092.12	0.0198	P	1.4
2	☐	1.000					
3	☐	10.000	8.760	72598.45	0.0293	P	1.1
4	☐	50.000	52.019	181991.64	0.0759	P	0.8
5	☐	125.000	119.704	312954.61	0.1489	P	1.3
6	☐	250.000	235.301	506496.53	0.2735	P	1.2
7	☐	500.000	521.880	1004616.79	0.5824	P	0.3
8	☐	1000.000	993.308	1872772.59	1.0907	P	1.0
9	☐			184479.59	0.1039	P	1.9

$$y = 0.0011 * x + 0.0198$$

$$R = 0.9995$$

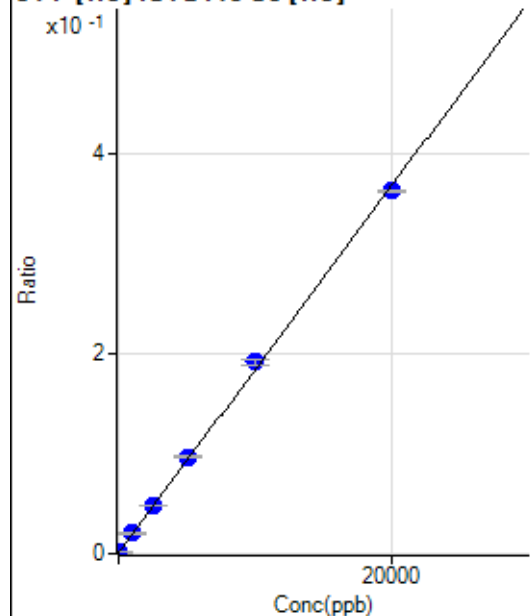
$$DL = 0.7974$$

$$BEC = 18.39$$

Weight: <None>

Min Conc: 0

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



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	-27.395	41.67	0.0003	P	40.6
2	☐	0.000					
3	☐	0.000	27.395	183.34	0.0013	P	8.9
4	☐	1000.000	1066.446	2692.01	0.0204	P	5.0
5	☐	2500.000	2566.779	5423.42	0.0479	P	2.1
6	☐	5000.000	5237.290	9934.24	0.0968	P	0.7
7	☐	10000.000	10393.813	18968.20	0.1914	P	3.5
8	☐	20000.000	19732.101	36225.49	0.3626	P	0.3
9	☐			36.11	0.0003	P	82.2

$$y = 1.8333E-005 * x + 8.0558E-004$$

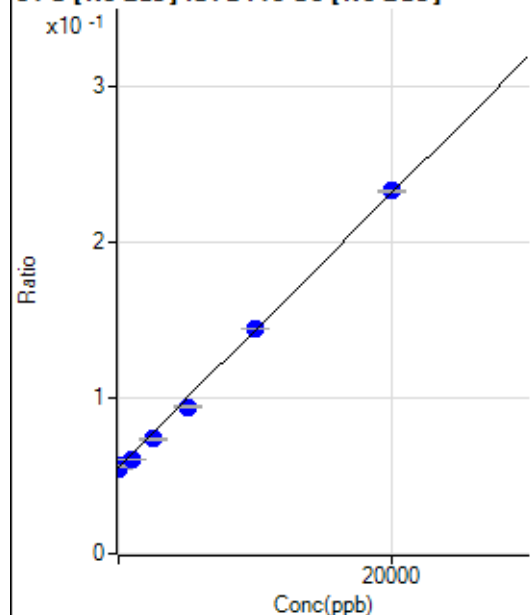
$$R = 0.9996$$

$$DL = 19.62$$

$$BEC = 43.94$$

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	-78.140	133468.38	0.0550	P	0.7
2	☐	0.000					
3	☐	0.000	78.140	139856.49	0.0564	P	2.3
4	☐	1000.000	508.615	144309.02	0.0602	P	0.6
5	☐	2500.000	2043.671	154967.44	0.0737	P	1.0
6	☐	5000.000	4413.985	175159.83	0.0946	P	0.9
7	☐	10000.000	10120.001	249804.37	0.1448	P	0.3
8	☐	20000.000	20168.114	400627.10	0.2333	P	0.8
9	☐			96794.03	0.0545	P	1.1

$$y = 8.8061\text{E-}006 * x + 0.0557$$

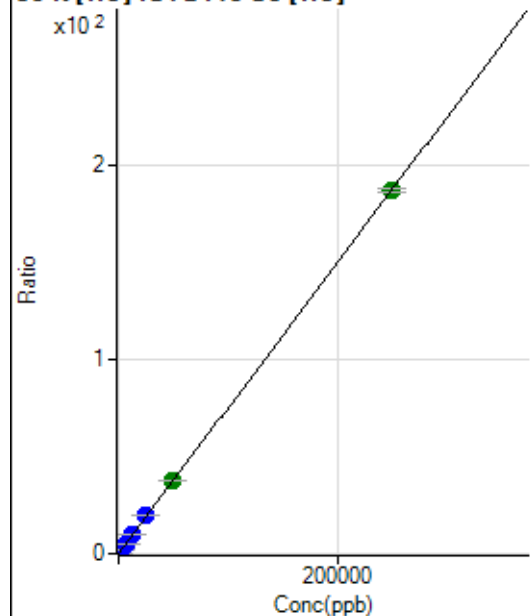
R = 0.9993

DL = 285.6

BEC = 6327

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	6279.36	0.0456	P	3.0
2	☐	50.000					
3	☐	500.000	496.239	58485.46	0.4170	P	2.8
4	☐	2500.000	2685.345	271873.49	2.0554	P	0.4
5	☐	6250.000	6647.834	568873.02	5.0210	P	1.9
6	☐	12500.000	13177.927	1016606.05	9.9082	P	1.0
7	☐	25000.000	26179.989	1946791.15	19.6391	P	0.9
8	☐	50000.000	50508.002	3781323.70	37.8465	A	0.7
9	☐	250000.00	249734.71	20180953.75	186.9506	A	0.9

$$y = 7.4841\text{E-}004 * x + 0.0456$$

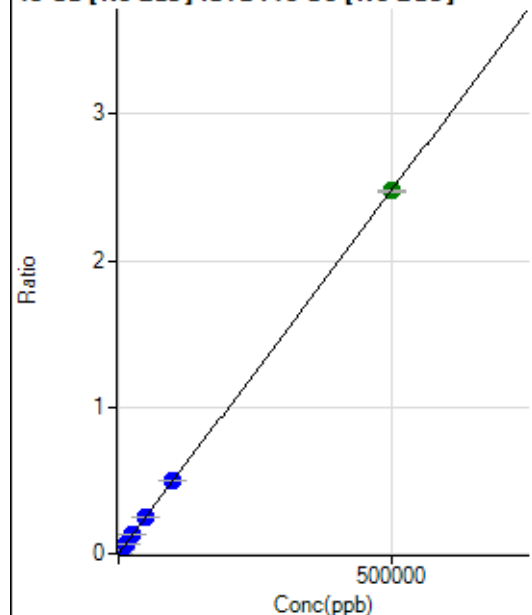
R = 1.0000

DL = 5.442

BEC = 60.96

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	19.44	0.0000	P	137.
2	☐	50.000					
3	☐	500.000	480.711	5926.38	0.0024	P	3.0
4	☐	5000.000	5080.170	60359.97	0.0252	P	1.1
5	☐	12500.000	12669.778	131969.54	0.0628	P	1.5
6	☐	25000.000	25308.506	232245.54	0.1254	P	0.7
7	☐	50000.000	51103.510	436730.08	0.2532	P	0.7
8	☐	100000.00	101094.86	860126.71	0.5009	P	0.2
9	☐	500000.00	499650.22	4395937.29	2.4756	A	0.4

$$y = 4.9547\text{E-}006 * x + 7.9609\text{E-}006$$

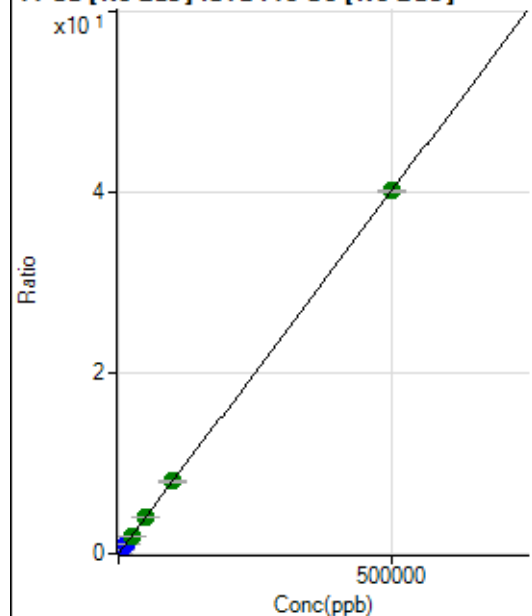
$$R = 1.0000$$

$$DL = 6.631$$

$$BEC = 1.607$$

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	1522.38	0.0006	P	4.5
2	☐	50.000					
3	☐	500.000	473.314	95795.07	0.0386	P	1.9
4	☐	5000.000	5076.095	978680.18	0.4082	P	0.7
5	☐	12500.000	12530.528	2116384.42	1.0067	P	0.9
6	☐	25000.000	24941.629	3710062.89	2.0033	A	1.0
7	☐	50000.000	50511.451	6996394.78	4.0564	A	0.3
8	☐	100000.00	99686.917	13745053.43	8.0048	A	0.8
9	☐	500000.00	500012.89	71291227.98	40.1483	A	0.4

$$y = 8.0293\text{E-}005 * x + 6.2781\text{E-}004$$

$$R = 1.0000$$

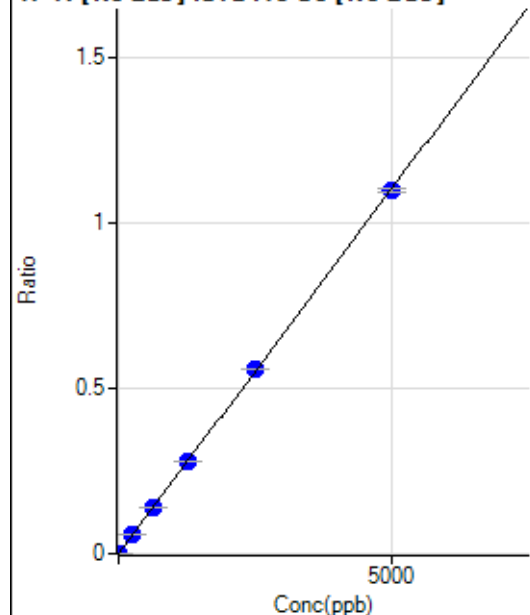
$$DL = 1.056$$

$$BEC = 7.819$$

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	16.67	0.0000	P	0.8
2	☐	0.500					
3	☐	5.000	5.053	2778.17	0.0011	P	6.4
4	☐	250.000	256.278	135447.48	0.0565	P	0.5
5	☐	625.000	635.285	294395.09	0.1400	P	0.8
6	☐	1250.000	1264.297	516151.13	0.2787	P	0.8
7	☐	2500.000	2541.737	966367.34	0.5603	P	0.1
8	☐	5000.000	4973.958	1882620.31	1.0964	P	0.9
9	☐			763.94	0.0004	P	6.1

$$y = 2.2043\text{E-}004 * x + 6.8731\text{E-}006$$

$$R = 0.9999$$

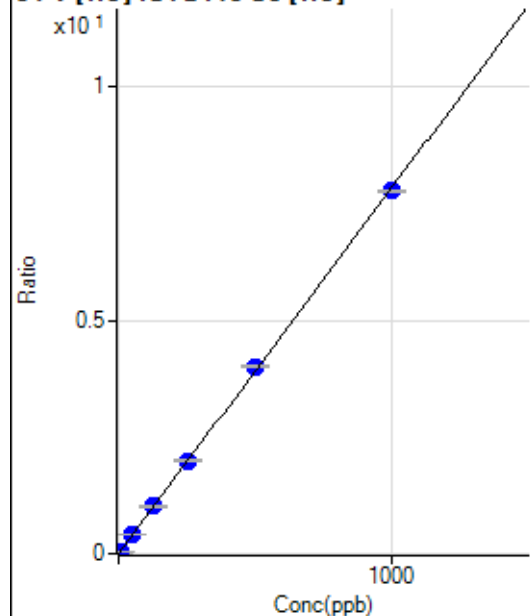
$$DL = 0.0007729$$

$$BEC = 0.03118$$

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	8.89	0.0001	P	21.1
2	☐	0.500					
3	☐	5.000	5.072	5577.82	0.0398	P	1.7
4	☐	50.000	51.981	53827.87	0.4069	P	0.3
5	☐	125.000	129.250	114628.34	1.0118	P	2.4
6	☐	250.000	255.065	204852.23	1.9966	P	1.0
7	☐	500.000	511.255	396699.89	4.0019	P	0.8
8	☐	1000.000	992.475	776190.16	7.7686	P	0.5
9	☐			277.78	0.0026	P	7.9

$$y = 0.0078 * x + 6.4539\text{E-}005$$

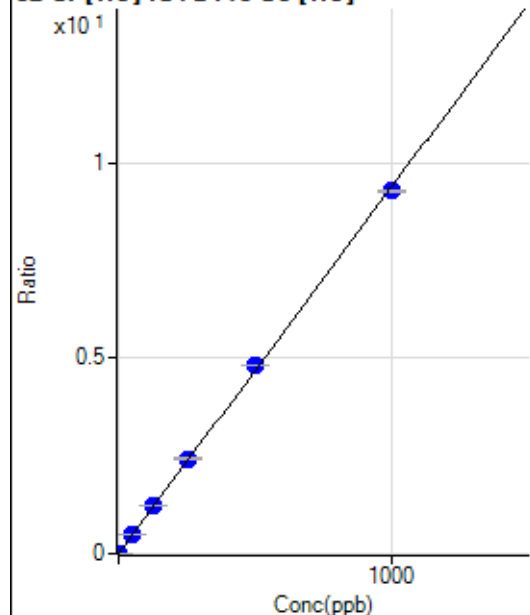
$$R = 0.9999$$

$$DL = 0.005216$$

$$BEC = 0.008245$$

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	378.90	0.0028	P	5.2
2	☐	0.200					
3	☐	2.000	1.977	2984.79	0.0213	P	5.5
4	☐	50.000	52.388	65321.68	0.4938	P	0.8
5	☐	125.000	130.484	138896.32	1.2259	P	1.9
6	☐	250.000	258.836	249232.66	2.4291	P	0.9
7	☐	500.000	514.354	478231.82	4.8243	P	0.6
8	☐	1000.000	989.809	927324.80	9.2813	P	0.5
9	☐			17808.70	0.1650	P	0.5

$$y = 0.0094 * x + 0.0028$$

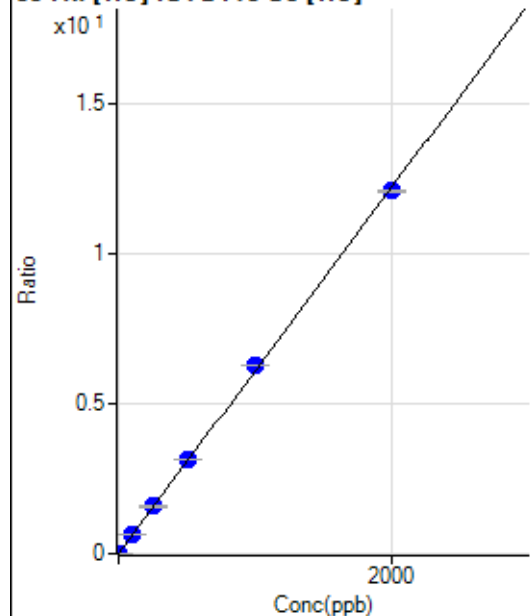
$$R = 0.9998$$

$$DL = 0.04547$$

$$BEC = 0.2937$$

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	28.89	0.0002	P	41.0
2	☐	0.100					
3	☐	1.000	1.048	928.93	0.0066	P	6.9
4	☐	100.000	102.376	82812.40	0.6261	P	0.9
5	☐	250.000	257.530	178400.47	1.5746	P	2.1
6	☐	500.000	515.247	323217.24	3.1502	P	0.4
7	☐	1000.000	1026.220	621938.58	6.2740	P	0.4
8	☐	2000.000	1982.018	1210690.95	12.1173	P	0.4
9	☐			5246.57	0.0486	P	0.3

$$y = 0.0061 * x + 2.1014E-004$$

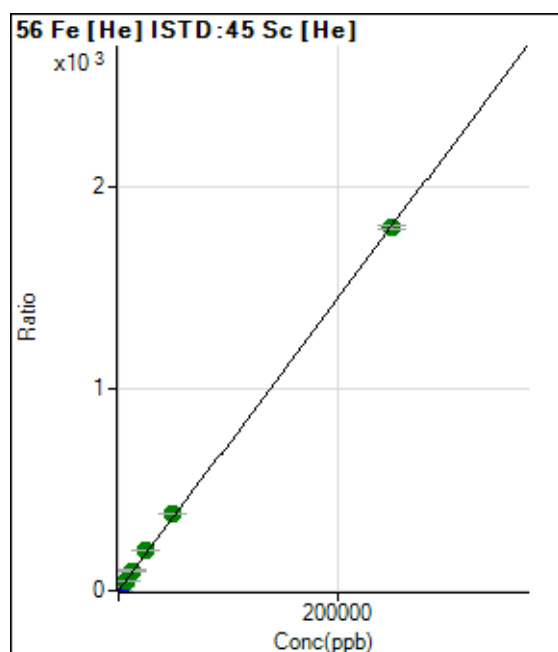
$$R = 0.9998$$

$$DL = 0.04224$$

$$BEC = 0.03437$$

Weight: <None>

Min Conc: 0



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	1481.59	0.0108	P	6.0
2	☐	5.000					
3	☐	50.000	58.451	60675.30	0.4326	P	2.3
4	☐	2500.000	2841.814	2714370.29	20.5209	P	0.5
5	☐	6250.000	6918.145	5658400.59	49.9410	A	1.8
6	☐	12500.000	13830.309	10242714.93	99.8280	A	0.6
7	☐	25000.000	27727.138	19838116.18	200.1254	A	0.8
8	☐	50000.000	53221.378	38378705.95	384.1246	A	0.7
9	☐	250000.00	248996.37	193991661.7	1,797.088	A	0.9

$$y = 0.0072 * x + 0.0108$$

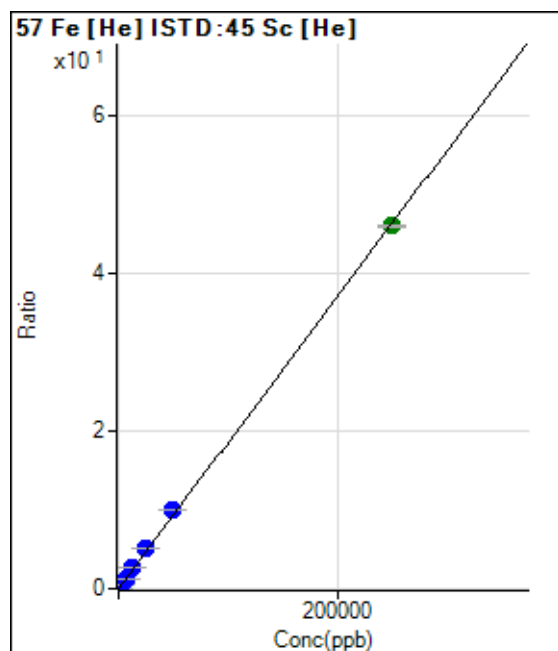
$$R = 0.9999$$

$$DL = 0.2686$$

$$BEC = 1.492$$

Weight: <None>

Min Conc: 0



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	35.19	0.0003	P	55.0
2	☐	5.000					
3	☐	50.000	60.074	1592.73	0.0114	P	3.7
4	☐	2500.000	2877.164	70358.68	0.5319	P	0.3
5	☐	6250.000	7031.166	147228.71	1.2995	P	2.3
6	☐	12500.000	14090.074	267164.08	2.6039	P	1.3
7	☐	25000.000	28023.446	513347.70	5.1786	P	0.7
8	☐	50000.000	53753.078	992455.78	9.9331	P	0.4
9	☐	250000.00	248844.23	4964042.53	45.9833	A	0.4

$$y = 1.8479E-004 * x + 2.5538E-004$$

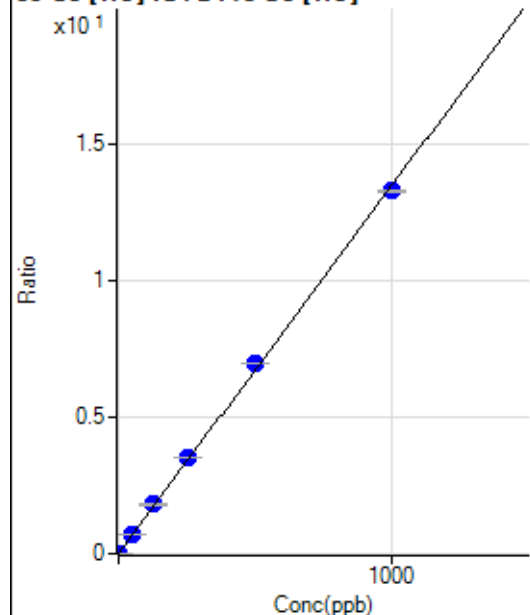
$$R = 0.9998$$

$$DL = 2.28$$

$$BEC = 1.382$$

Weight: <None>

Min Conc: 0

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

	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	47.78	0.0003	P	21.9
2	☐	0.100					
3	☐	1.000	1.046	2029.06	0.0145	P	5.5
4	☐	50.000	53.762	96024.86	0.7260	P	0.6
5	☐	125.000	133.768	204594.87	1.8058	P	1.9
6	☐	250.000	262.912	364116.61	3.5488	P	0.8
7	☐	500.000	517.700	692679.13	6.9877	P	0.6
8	☐	1000.000	986.638	1330549.51	13.3168	P	0.3
9	☐			16864.31	0.1562	P	1.5

$$y = 0.0135 * x + 3.4752E-004$$

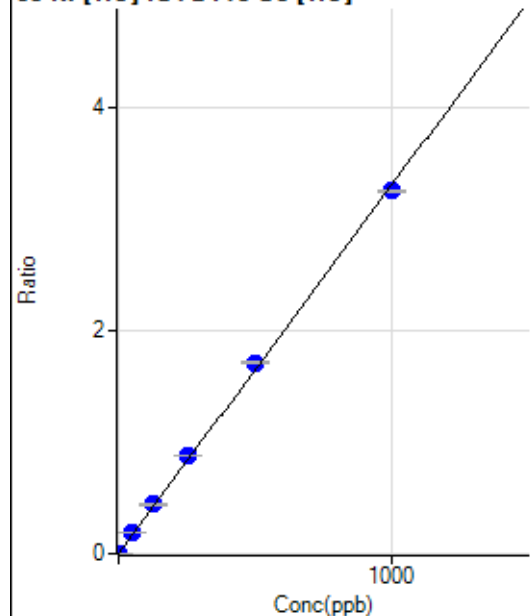
$$R = 0.9997$$

$$DL = 0.01694$$

$$BEC = 0.02575$$

Weight: <None>

Min Conc: 0

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

	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	37.78	0.0003	P	51.6
2	☐	0.100					
3	☐	1.000	1.048	524.46	0.0037	P	3.6
4	☐	50.000	55.622	24365.98	0.1842	P	0.7
5	☐	125.000	134.428	50393.11	0.4448	P	2.7
6	☐	250.000	266.167	90339.22	0.8805	P	0.4
7	☐	500.000	518.898	170127.83	1.7162	P	1.0
8	☐	1000.000	985.050	325494.59	3.2578	P	0.5
9	☐			6551.56	0.0607	P	1.9

$$y = 0.0033 * x + 2.7454E-004$$

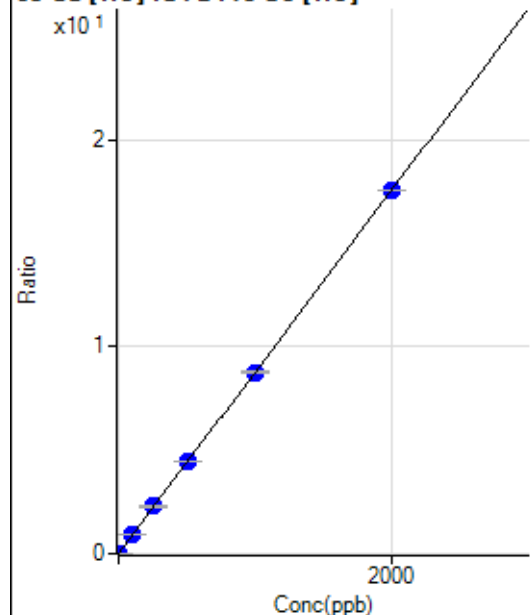
$$R = 0.9996$$

$$DL = 0.1286$$

$$BEC = 0.08302$$

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	204.45	0.0015	P	5.1
2	☐	0.200					
3	☐	2.000	1.984	2649.17	0.0189	P	3.5
4	☐	100.000	105.573	122635.88	0.9272	P	0.7
5	☐	250.000	260.621	259069.00	2.2866	P	2.2
6	☐	500.000	508.186	457329.00	4.4573	P	0.7
7	☐	1000.000	997.690	867296.15	8.7493	P	1.4
8	☐	2000.000	1997.502	1750103.01	17.5157	P	0.1
9	☐			2626.94	0.0243	P	3.1

$$y = 0.0088 * x + 0.0015$$

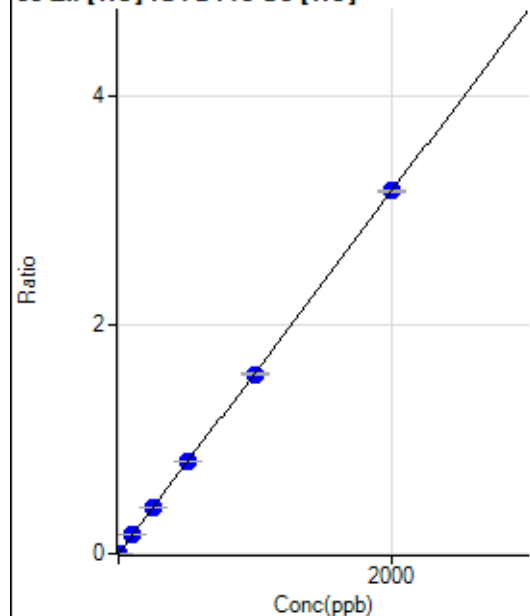
$$R = 1.0000$$

$$DL = 0.0259$$

$$BEC = 0.1694$$

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	74.45	0.0005	P	22.5
2	☐	0.200					
3	☐	2.000	1.789	473.35	0.0034	P	15.6
4	☐	100.000	101.170	21228.94	0.1605	P	1.2
5	☐	250.000	254.023	45563.21	0.4022	P	2.6
6	☐	500.000	506.330	82195.21	0.8011	P	0.4
7	☐	1000.000	990.320	155269.04	1.5663	P	0.7
8	☐	2000.000	2002.697	316422.35	3.1670	P	0.7
9	☐			3846.13	0.0356	P	3.3

$$y = 0.0016 * x + 5.4063E-004$$

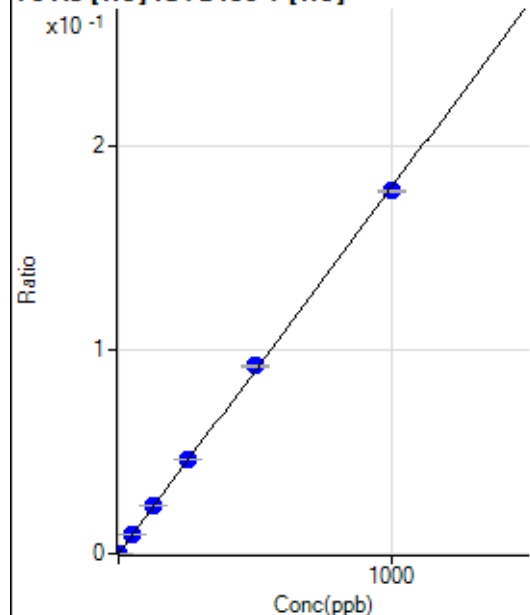
$$R = 1.0000$$

$$DL = 0.2308$$

$$BEC = 0.3419$$

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	3.09	0.0000	P	91.9
2	☐	0.100					
3	☐	1.000	0.927	124.08	0.0002	P	15.9
4	☐	50.000	53.700	6754.71	0.0096	P	1.1
5	☐	125.000	131.460	14469.02	0.0236	P	2.0
6	☐	250.000	256.581	25877.99	0.0460	P	0.1
7	☐	500.000	513.565	49989.24	0.0921	P	0.7
8	☐	1000.000	990.580	96598.01	0.1776	P	0.2
9	☐			133.34	0.0002	P	19.0

$$y = 1.7927\text{E-}004 * x + 4.3416\text{E-}006$$

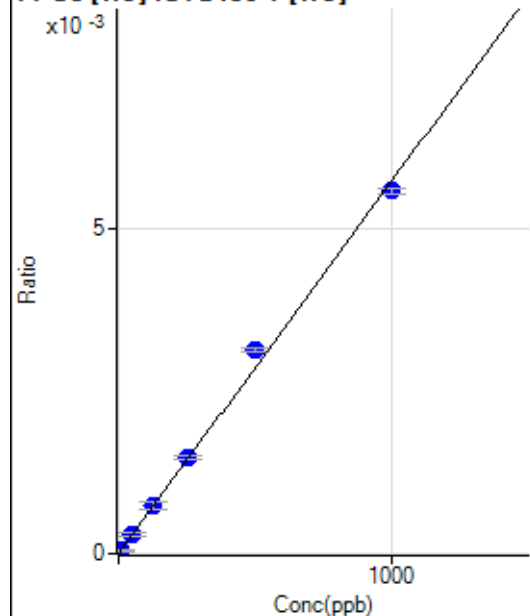
$$R = 0.9998$$

$$DL = 0.06678$$

$$BEC = 0.02422$$

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	8.515	35.56	0.0000	P	32.5
4	☐	50.000	51.377	206.67	0.0003	P	15.0
5	☐	125.000	129.262	455.57	0.0007	P	13.8
6	☐	250.000	256.022	825.60	0.0015	P	4.1
7	☐	500.000	546.307	1700.13	0.0031	P	2.3
8	☐	1000.000	974.722	3039.26	0.0056	P	1.6
9	☐			1.11	0.0000	P	173.

$$y = 5.7326\text{E-}006 * x + 0.0000\text{E+}000$$

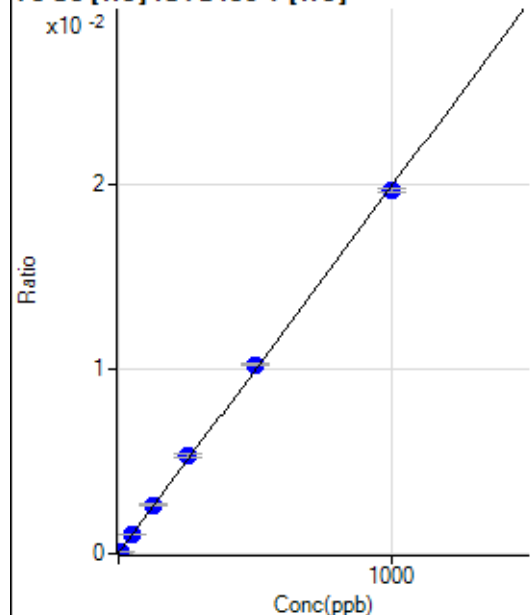
$$R = 0.9984$$

$$DL = 0$$

$$BEC = 0$$

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	20.99	0.0000	P	53.2
2	☐	0.500					
3	☐	5.000	4.677	88.89	0.0001	P	20.8
4	☐	50.000	51.646	740.15	0.0011	P	1.2
5	☐	125.000	131.645	1623.56	0.0026	P	2.1
6	☐	250.000	266.025	2989.84	0.0053	P	3.2
7	☐	500.000	514.535	5565.93	0.0103	P	0.7
8	☐	1000.000	987.815	10691.66	0.0197	P	1.2
9	☐			18.52	0.0000	P	10.4

$$y = 1.9868\text{E-}005 * x + 2.9319\text{E-}005$$

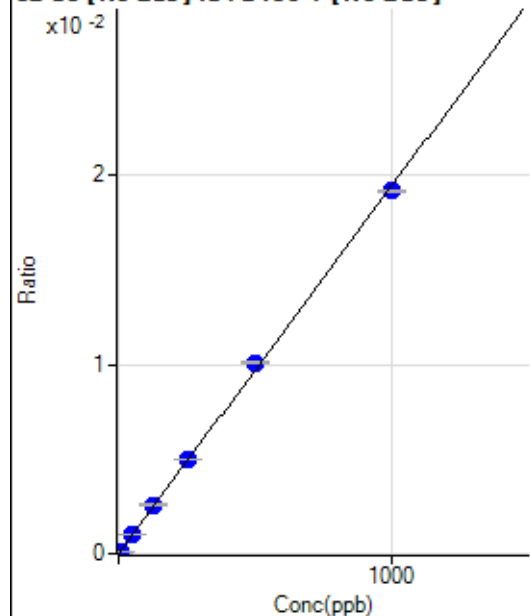
$$R = 0.9997$$

$$DL = 2.357$$

$$BEC = 1.476$$

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	23.45	0.0000	P	49.8
2	☐	0.500					
3	☐	5.000	5.158	429.02	0.0001	P	6.6
4	☐	50.000	52.942	4073.91	0.0010	P	1.0
5	☐	125.000	133.162	9112.30	0.0026	P	0.6
6	☐	250.000	257.843	16454.65	0.0050	P	0.7
7	☐	500.000	518.942	30982.82	0.0101	P	1.1
8	☐	1000.000	987.400	58516.95	0.0192	P	0.7
9	☐			36.13	0.0000	P	78.9

$$y = 1.9393\text{E-}005 * x + 5.7645\text{E-}006$$

$$R = 0.9997$$

$$DL = 0.444$$

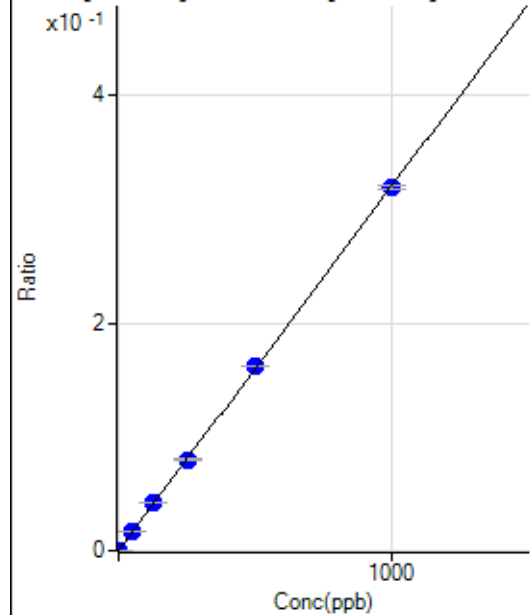
$$BEC = 0.2973$$

Weight: <None>

Min Conc: 0

83 Kr [No Gas] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			77.78		P	24.4
2	☐						
3	☐			83.34		P	24.3
4	☐			74.45		P	21.2
5	☐			87.78		P	17.9
6	☐			73.34		P	12.0
7	☐			54.44		P	27.6
8	☐			67.78		P	19.9
9	☐			73.33		P	39.6

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	130.56	0.0000	P	31.4
2	☐	0.100					
3	☐	1.000	0.918	1322.34	0.0003	P	4.2
4	☐	50.000	51.851	65656.07	0.0166	P	0.1
5	☐	125.000	129.959	146662.56	0.0417	P	1.0
6	☐	250.000	250.315	263618.94	0.0802	P	0.8
7	☐	500.000	506.890	499654.01	0.1624	P	0.4
8	☐	1000.000	995.764	974455.02	0.3190	P	0.9
9	☐			4448.11	0.0015	P	4.6

$$y = 3.2029\text{E-}004 * x + 3.2128\text{E-}005$$

$$R = 1.0000$$

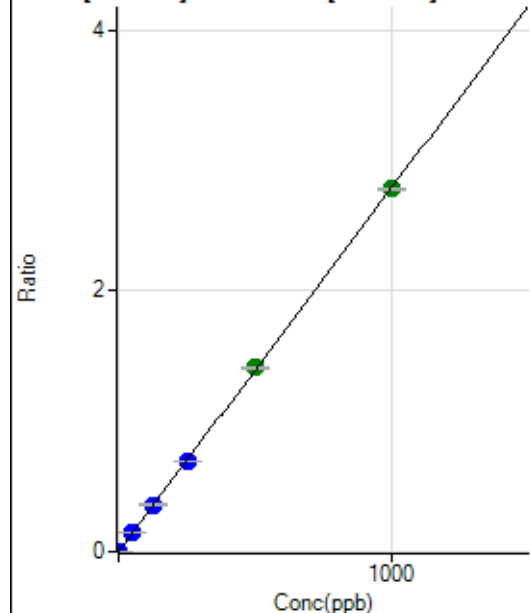
$$DL = 0.09462$$

$$BEC = 0.1003$$

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	36.11	0.0000	P	47.9
2	☐	0.100					
3	☐	1.000	0.940	10646.02	0.0026	P	3.7
4	☐	50.000	51.755	569223.25	0.1443	P	0.4
5	☐	125.000	129.423	1270013.32	0.3607	P	0.7
6	☐	250.000	247.010	2262935.21	0.6885	P	0.6
7	☐	500.000	505.050	4331450.14	1.4077	A	0.6
8	☐	1000.000	997.582	8494652.71	2.7805	A	0.5
9	☐			38307.34	0.0126	P	0.3

$$y = 0.0028 * x + 8.8888E-006$$

$$R = 1.0000$$

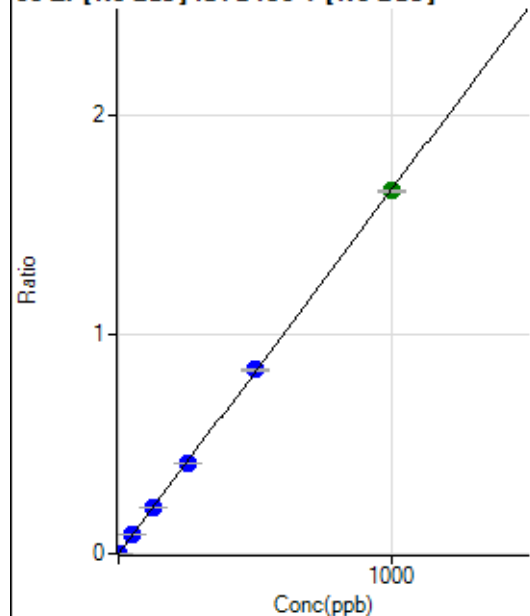
$$DL = 0.004587$$

$$BEC = 0.003189$$

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	280.57	0.0001	P	6.4
2	☐	0.100					
3	☐	1.000	0.929	6529.53	0.0016	P	6.1
4	☐	50.000	51.134	335327.62	0.0850	P	0.7
5	☐	125.000	128.308	750341.99	0.2131	P	0.9
6	☐	250.000	249.838	1363899.23	0.4149	P	0.4
7	☐	500.000	504.994	2580520.00	0.8387	P	0.7
8	☐	1000.000	997.073	5058619.60	1.6558	A	0.3
9	☐			2122.46	0.0007	P	5.9

$$y = 0.0017 * x + 6.9116E-005$$

$$R = 1.0000$$

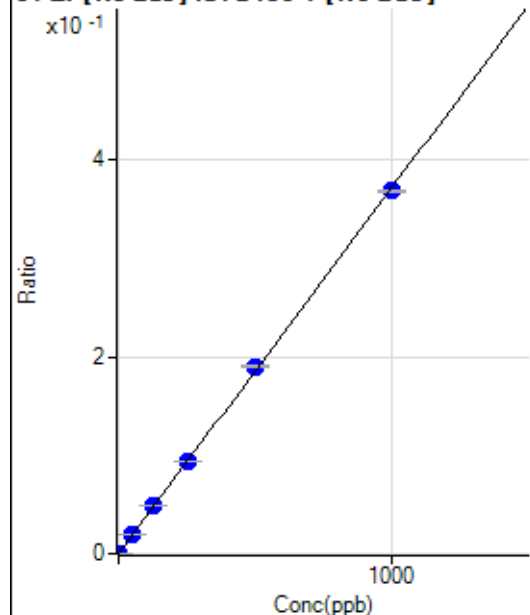
$$DL = 0.008022$$

$$BEC = 0.04162$$

Weight: <None>

Min Conc: 0

91 Zr [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	46.0
2	☐	0.100					
3	☐	1.000	0.914	1430.68	0.0004	P	6.2
4	☐	50.000	51.602	75747.86	0.0192	P	2.1
5	☐	125.000	130.734	171158.27	0.0486	P	0.7
6	☐	250.000	250.940	306694.70	0.0933	P	0.8
7	☐	500.000	512.786	586640.14	0.1907	P	0.4
8	☐	1000.000	992.575	1127404.62	0.3690	P	0.7
9	☐			452.80	0.0001	P	10.5

$$y = 3.7177\text{E-}004 * x + 1.3034\text{E-}005$$

$$R = 0.9999$$

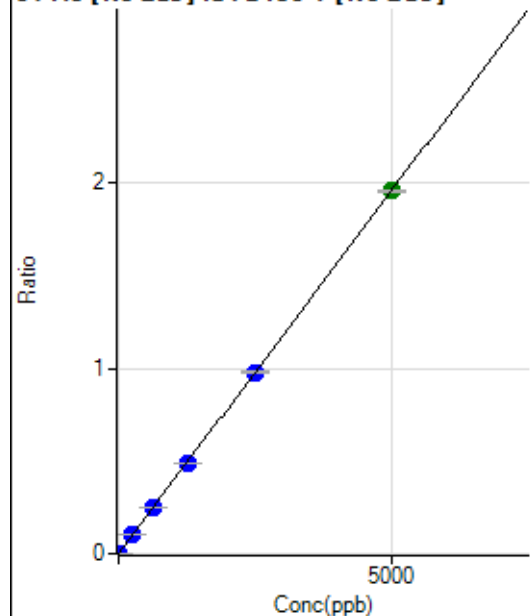
$$DL = 0.0484$$

$$BEC = 0.03506$$

Weight: <None>

Min Conc: 0

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



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	83.34	0.0000	P	27.1
2	☐	0.500					
3	☐	5.000	4.901	7852.48	0.0019	P	5.5
4	☐	250.000	258.382	399146.97	0.1012	P	0.6
5	☐	625.000	647.727	892688.75	0.2536	P	0.3
6	☐	1250.000	1243.369	1599705.69	0.4867	P	0.8
7	☐	2500.000	2499.958	3010981.17	0.9785	P	0.5
8	☐	5000.000	4998.419	5977332.08	1.9565	A	0.3
9	☐			4103.54	0.0013	P	3.6

$$y = 3.9142\text{E-}004 * x + 2.0561\text{E-}005$$

$$R = 1.0000$$

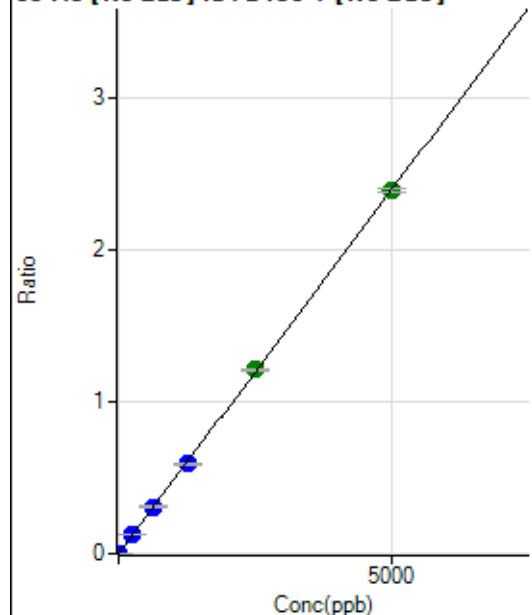
$$DL = 0.04265$$

$$BEC = 0.05253$$

Weight: <None>

Min Conc: 0

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



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	38.89	0.0000	P	32.1
2	☐	0.500					
3	☐	5.000	4.953	9645.34	0.0024	P	3.5
4	☐	250.000	258.803	489045.41	0.1239	P	0.8
5	☐	625.000	647.366	1091388.39	0.3100	P	0.6
6	☐	1250.000	1232.629	1940147.00	0.5903	P	0.5
7	☐	2500.000	2525.526	3721242.36	1.2094	A	0.1
8	☐	5000.000	4988.344	7297580.54	2.3887	A	0.9
9	☐			6284.98	0.0021	P	5.3

$$y = 4.7885\text{E-}004 * x + 9.5690\text{E-}006$$

$$R = 1.0000$$

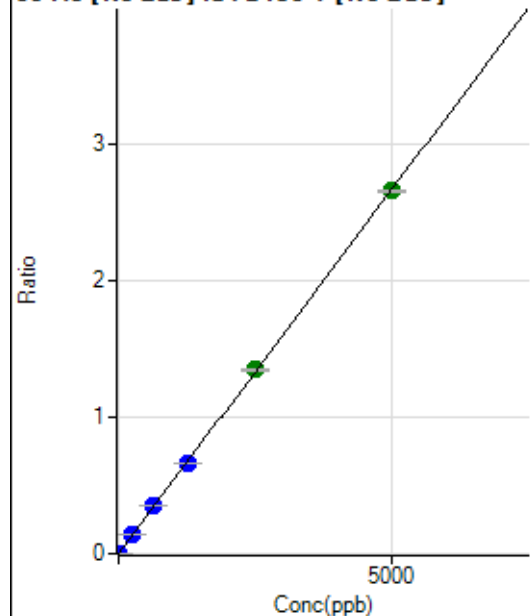
$$DL = 0.01927$$

$$BEC = 0.01998$$

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	111.12	0.0000	P	11.8
2	☐	0.500					
3	☐	5.000	4.982	10865.72	0.0027	P	2.1
4	☐	250.000	259.791	546306.59	0.1384	P	0.9
5	☐	625.000	649.772	1218989.18	0.3462	P	0.5
6	☐	1250.000	1236.370	2165365.43	0.6588	P	0.6
7	☐	2500.000	2527.027	4143147.44	1.3465	A	0.4
8	☐	5000.000	4986.308	8116827.79	2.6568	A	0.8
9	☐			7505.10	0.0025	P	5.3

$$y = 5.3282\text{E-}004 * x + 2.7384\text{E-}005$$

$$R = 1.0000$$

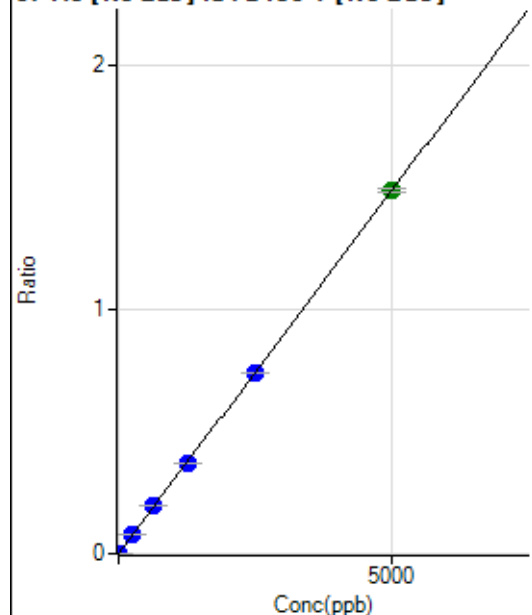
$$DL = 0.01819$$

$$BEC = 0.0514$$

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	25.00	0.0000	P	32.6
2	☐	0.500					
3	☐	5.000	4.979	6023.75	0.0015	P	2.0
4	☐	250.000	260.328	305457.88	0.0774	P	1.1
5	☐	625.000	655.331	686047.84	0.1949	P	0.9
6	☐	1250.000	1254.987	1226609.59	0.3732	P	0.6
7	☐	2500.000	2488.095	2276535.27	0.7399	P	0.2
8	☐	5000.000	5000.398	4542544.98	1.4869	A	1.0
9	☐			3722.87	0.0012	P	2.7

$$y = 2.9735E-004 * x + 6.1503E-006$$

$$R = 1.0000$$

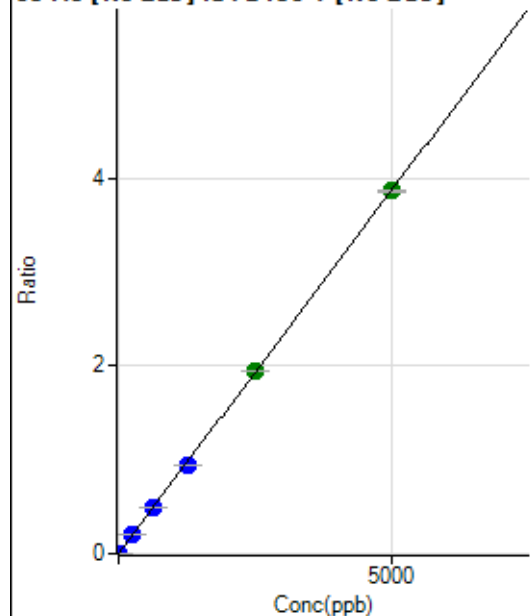
$$DL = 0.02024$$

$$BEC = 0.02068$$

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	69.45	0.0000	P	24.6
2	☐	0.500					
3	☐	5.000	5.119	16109.68	0.0040	P	2.7
4	☐	250.000	257.662	786385.04	0.1993	P	0.8
5	☐	625.000	642.269	1748789.52	0.4967	P	1.0
6	☐	1250.000	1224.192	3112106.23	0.9468	P	0.4
7	☐	2500.000	2517.333	5990700.65	1.9469	A	0.1
8	☐	5000.000	4995.244	11802826.39	3.8633	A	0.5
9	☐			9481.35	0.0031	P	4.4

$$y = 7.7340E-004 * x + 1.7100E-005$$

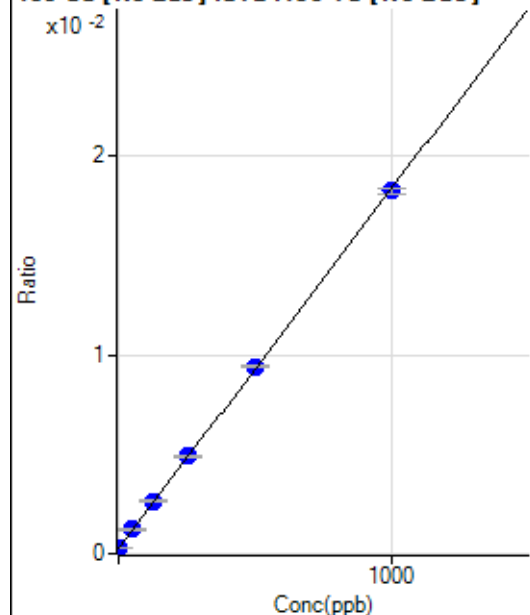
$$R = 1.0000$$

$$DL = 0.01631$$

$$BEC = 0.02211$$

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	1552.93	0.0003	P	5.0
2	☐	0.100					
3	☐	1.000	1.895	1758.52	0.0003	P	1.8
4	☐	50.000	54.551	7513.40	0.0012	P	5.6
5	☐	125.000	132.805	15097.48	0.0027	P	2.8
6	☐	250.000	257.035	26653.69	0.0049	P	2.5
7	☐	500.000	505.976	49108.03	0.0094	P	1.6
8	☐	1000.000	994.049	96647.89	0.0182	P	1.5
9	☐			1380.68	0.0003	P	9.5

$$y = 1.8098\text{E-}005 * x + 2.5486\text{E-}004$$

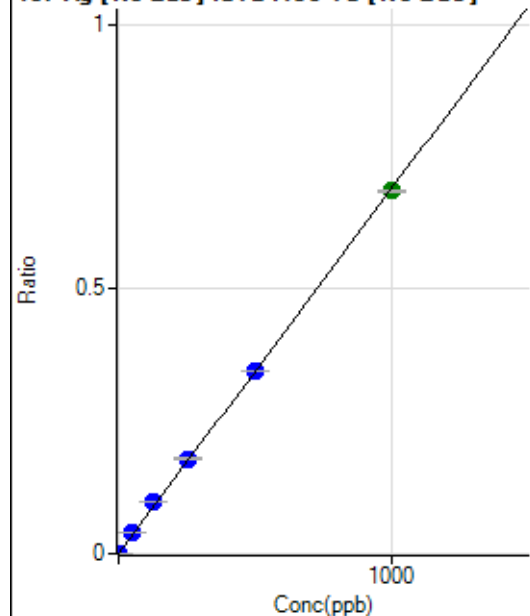
$$R = 0.9999$$

$$DL = 2.094$$

$$BEC = 14.08$$

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	58.33	0.0000	P	24.0
2	☐	0.100					
3	☐	1.000	0.813	3461.69	0.0006	P	10.9
4	☐	50.000	59.113	246614.26	0.0408	P	1.1
5	☐	125.000	141.365	553614.90	0.0975	P	0.5
6	☐	250.000	260.443	975590.19	0.1796	P	0.5
7	☐	500.000	501.410	1803770.61	0.3457	P	0.3
8	☐	1000.000	994.183	3630860.28	0.6854	A	0.5
9	☐			450.03	0.0001	P	22.7

$$y = 6.8941\text{E-}004 * x + 9.5610\text{E-}006$$

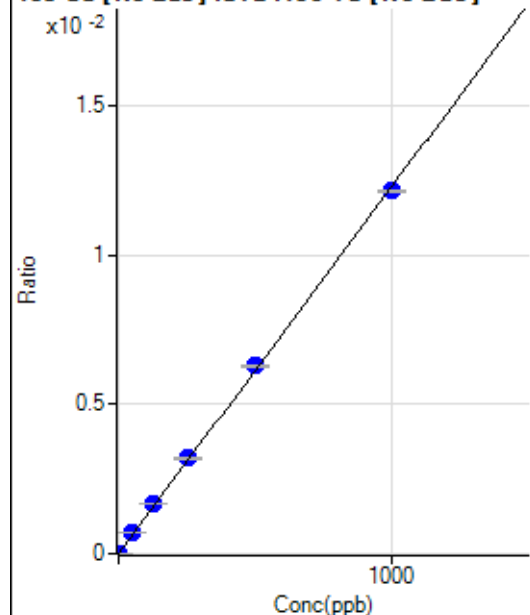
$$R = 0.9998$$

$$DL = 0.009988$$

$$BEC = 0.01387$$

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	4.17	0.0000	P	99.6
2	☐	0.100					
3	☐	1.000	1.083	84.72	0.0000	P	43.8
4	☐	50.000	57.687	4295.18	0.0007	P	1.9
5	☐	125.000	135.530	9468.62	0.0017	P	1.8
6	☐	250.000	259.689	17353.96	0.0032	P	2.0
7	☐	500.000	512.547	32885.61	0.0063	P	1.4
8	☐	1000.000	989.603	64459.62	0.0122	P	0.3
9	☐			18.06	0.0000	P	58.0

$$y = 1.2295E-005 * x + 6.8075E-007$$

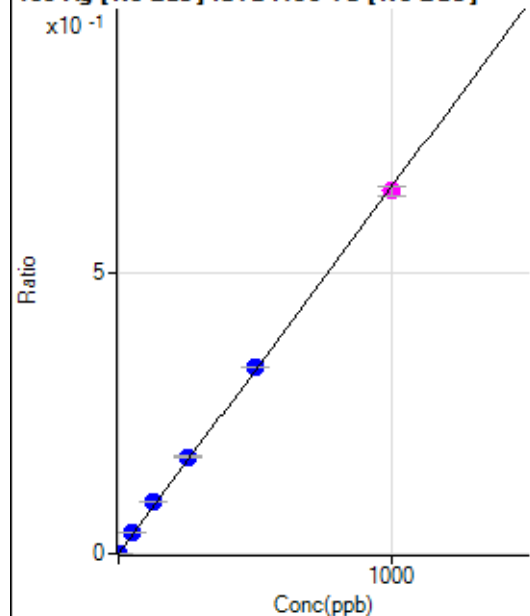
$$R = 0.9998$$

$$DL = 0.1655$$

$$BEC = 0.05537$$

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	8.33	0.0000	P	173.
2	☐	0.100					
3	☐	1.000	0.790	3142.13	0.0005	P	2.9
4	☐	50.000	59.341	234286.96	0.0387	P	1.1
5	☐	125.000	142.099	526700.99	0.0927	P	0.8
6	☐	250.000	263.957	935864.79	0.1723	P	0.7
7	☐	500.000	509.291	1734199.86	0.3323	P	0.7
8	☐	1000.000	989.261	3420106.24	0.6456	M	2.6
9	☐			472.25	0.0001	P	16.3

$$y = 6.5257E-004 * x + 1.3744E-006$$

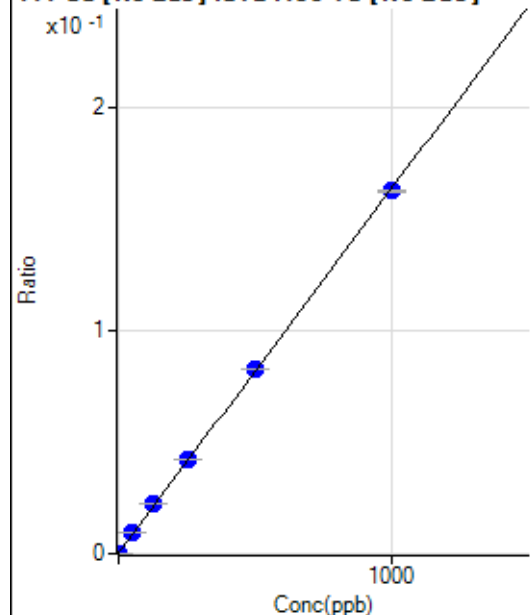
$$R = 0.9997$$

$$DL = 0.01094$$

$$BEC = 0.002106$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	1102.19	0.0002	P	5.1
2	☐	0.100					
3	☐	1.000	1.090	2182.83	0.0004	P	3.9
4	☐	50.000	54.946	55350.74	0.0091	P	2.2
5	☐	125.000	134.485	125706.10	0.0221	P	0.5
6	☐	250.000	256.995	228879.96	0.0421	P	0.8
7	☐	500.000	505.618	431551.77	0.0827	P	0.7
8	☐	1000.000	994.009	860402.57	0.1624	P	0.9
9	☐			1171.90	0.0002	P	4.7

$$y = 1.6322\text{E-}004 * x + 1.8089\text{E-}004$$

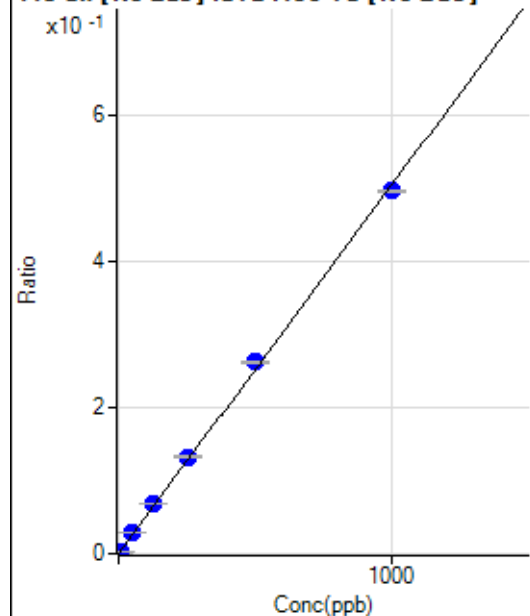
$$R = 0.9999$$

$$DL = 0.1681$$

$$BEC = 1.108$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	138.89	0.0000	P	4.1
2	☐	0.500					
3	☐	5.000	5.249	16265.61	0.0027	P	1.4
4	☐	50.000	56.107	171630.77	0.0284	P	2.5
5	☐	125.000	136.716	392426.00	0.0691	P	0.9
6	☐	250.000	263.042	722109.74	0.1329	P	0.5
7	☐	500.000	520.250	1371497.79	0.2628	P	0.4
8	☐	1000.000	984.843	2635750.90	0.4975	P	0.2
9	☐			2025.23	0.0004	P	6.8

$$y = 5.0518\text{E-}004 * x + 2.2794\text{E-}005$$

$$R = 0.9996$$

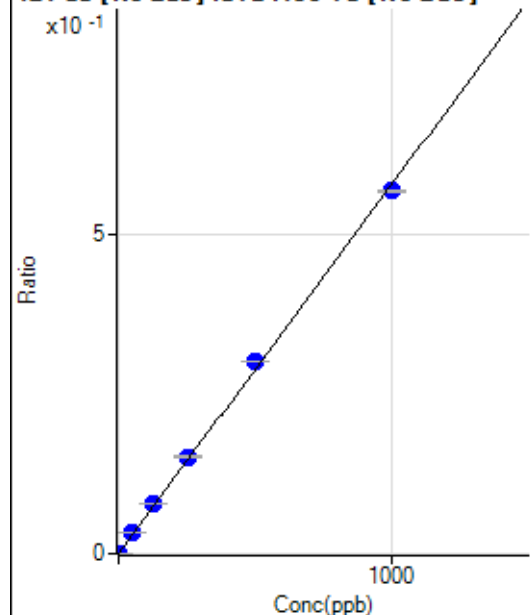
$$DL = 0.005574$$

$$BEC = 0.04512$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	52.78	0.0000	P	17.9
2	☐	0.200					
3	☐	2.000	2.039	7207.78	0.0012	P	3.3
4	☐	50.000	55.604	194215.57	0.0321	P	0.8
5	☐	125.000	137.201	449857.66	0.0792	P	1.2
6	☐	250.000	262.854	824334.85	0.1517	P	0.8
7	☐	500.000	522.388	1573319.15	0.3015	P	0.5
8	☐	1000.000	983.787	3008112.63	0.5678	P	0.3
9	☐			4431.44	0.0009	P	4.6

$$y = 5.7719\text{E-}004 * x + 8.6562\text{E-}006$$

$$R = 0.9995$$

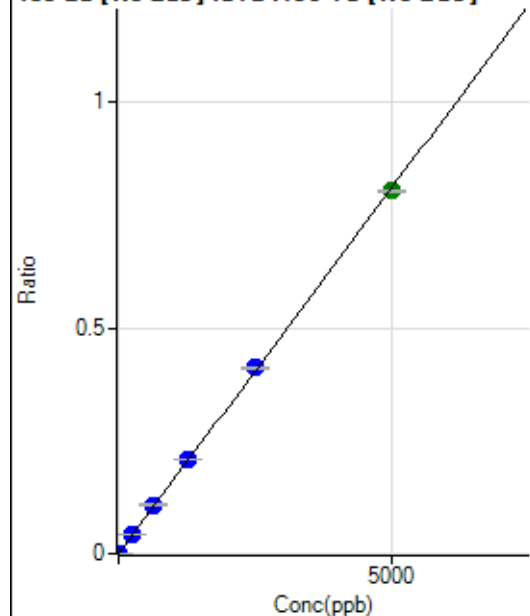
$$DL = 0.008032$$

$$BEC = 0.015$$

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	17.6
2	☐	1.000					
3	☐	10.000	10.849	10707.39	0.0018	P	4.5
4	☐	250.000	274.502	268915.92	0.0444	P	0.4
5	☐	625.000	667.964	614290.62	0.1082	P	1.1
6	☐	1250.000	1284.768	1130221.83	0.2080	P	0.4
7	☐	2500.000	2540.912	2146652.83	0.4114	P	0.3
8	☐	5000.000	4964.255	4257902.31	0.8038	A	0.4
9	☐			955.63	0.0002	P	18.3

$$y = 1.6191\text{E-}004 * x + 4.5589\text{E-}006$$

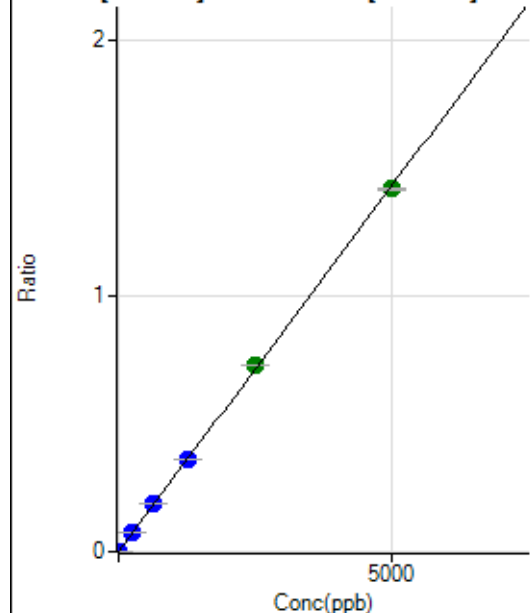
$$R = 0.9999$$

$$DL = 0.01483$$

$$BEC = 0.02816$$

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	47.22	0.0000	P	67.0
2	☐	1.000					
3	☐	10.000	10.671	18585.40	0.0031	P	3.8
4	☐	250.000	271.090	468544.68	0.0774	P	0.9
5	☐	625.000	659.431	1069968.59	0.1884	P	0.7
6	☐	1250.000	1269.935	1970929.71	0.3628	P	0.8
7	☐	2500.000	2549.863	3800655.12	0.7284	A	0.2
8	☐	5000.000	4964.725	7512760.50	1.4182	A	0.4
9	☐			1655.73	0.0003	P	7.2

$$y = 2.8565E-004 * x + 7.7590E-006$$

$$R = 0.9999$$

$$DL = 0.05464$$

$$BEC = 0.02716$$

Weight: <None>

Min Conc: 0

150 Nd [No Gas] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			0.00		P	
2	☐						
3	☐			2.22		P	173.
4	☐			26.67		P	25.0
5	☐			62.22		P	68.9
6	☐			88.89		P	26.3
7	☐			208.90		P	15.7
8	☐			400.02		P	12.0
9	☐			104.45		P	38.5

150 Nd [He] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			0.00		P	
2	☐						
3	☐			1.11		P	173.
4	☐			5.55		P	69.3
5	☐			7.78		P	49.5
6	☐			11.11		P	45.8
7	☐			26.67		P	25.0
8	☐			54.44		P	15.4
9	☐			35.56		P	23.6

156 Dy [No Gas] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			5.55		P	86.6
2	☐						
3	☐			5.55		P	86.6
4	☐			13.89		P	124.
5	☐			8.33		P	100.
6	☐			16.67		P	50.0
7	☐			22.22		P	43.3
8	☐			72.23		P	17.6
9	☐			55.56		P	22.9

156 Dy [He] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			2.22		P	173.
2	☐						
3	☐			2.22		P	173.
4	☐			6.67		P	100.
5	☐			12.22		P	56.8
6	☐			22.22		P	22.9
7	☐			46.67		P	12.4
8	☐			75.56		P	15.5
9	☐			15.56		P	53.9

160 Gd [No Gas] Noavailable calibration poin_

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			16.67		P	132.
2	☐						
3	☐			33.33		P	43.3
4	☐			38.89		P	32.7
5	☐			25.00		P	57.7
6	☐			25.00		P	33.3
7	☐			27.78		P	17.3
8	☐			38.89		P	24.7
9	☐			33.33		P	90.1

160 Gd [He] No available calibration points

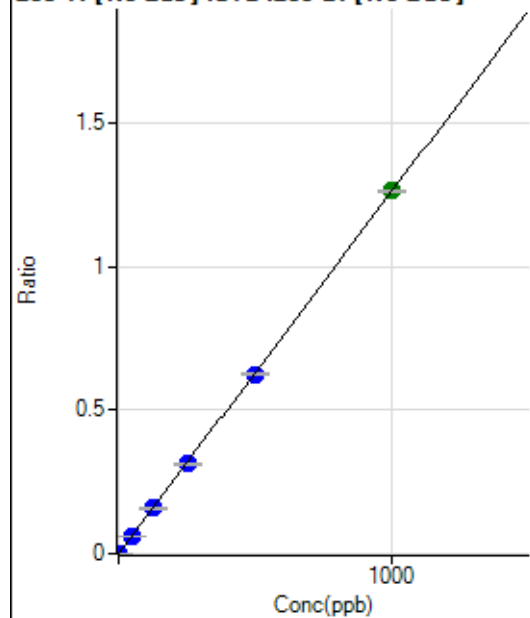
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			103.34		P	34.9
2	☐						
3	☐			87.78		P	17.1
4	☐			90.01		P	12.8
5	☐			83.34		P	26.2
6	☐			75.56		P	16.7
7	☐			84.45		P	25.4
8	☐			75.56		P	28.7
9	☐			78.89		P	4.9

164 Er [No Gas] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			13.89		P	91.6
2	☐						
3	☐			27.78		P	75.5
4	☐			27.78		P	69.3
5	☐			25.00		P	57.7
6	☐			11.11		P	86.6
7	☐			25.00		P	57.7
8	☐			44.45		P	39.0
9	☐			25.00		P	88.2

164 Er [He] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			5.55		P	69.3
2	☐						
3	☐			4.45		P	86.6
4	☐			14.44		P	53.3
5	☐			14.44		P	35.3
6	☐			11.11		P	45.8
7	☐			10.00		P	57.8
8	☐			13.33		P	75.0
9	☐			17.78		P	28.6

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	105.56	0.0000	P	35.6
2	☐	0.100					
3	☐	1.000	0.911	4923.37	0.0012	P	0.6
4	☐	50.000	49.275	260434.37	0.0622	P	1.1
5	☐	125.000	125.217	630923.50	0.1581	P	1.1
6	☐	250.000	247.384	1201925.88	0.3124	P	0.6
7	☐	500.000	495.933	2309459.69	0.6262	P	0.7
8	☐	1000.000	1002.697	4628701.88	1.2661	A	0.8
9	☐			1830.77	0.0006	P	14.4

$$y = 0.0013 * x + 2.4860E-005$$

$$R = 1.0000$$

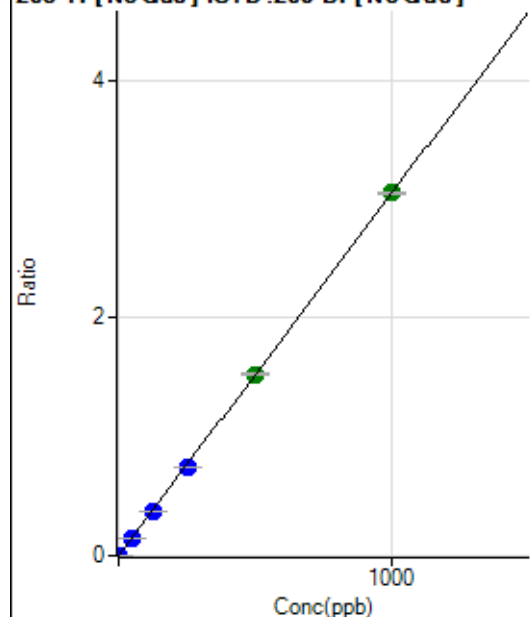
$$DL = 0.02105$$

$$BEC = 0.01969$$

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	291.69	0.0001	P	15.7
2	☐	0.100					
3	☐	1.000	0.921	12044.89	0.0029	P	1.9
4	☐	50.000	49.581	632000.08	0.1510	P	0.2
5	☐	125.000	123.908	1505699.71	0.3774	P	0.9
6	☐	250.000	243.354	2851464.80	0.7411	P	0.2
7	☐	500.000	500.234	5617815.66	1.5233	A	0.6
8	☐	1000.000	1001.702	11151821.26	3.0503	A	0.6
9	☐			4456.49	0.0014	P	2.9

$$y = 0.0030 * x + 6.8791E-005$$

$$R = 1.0000$$

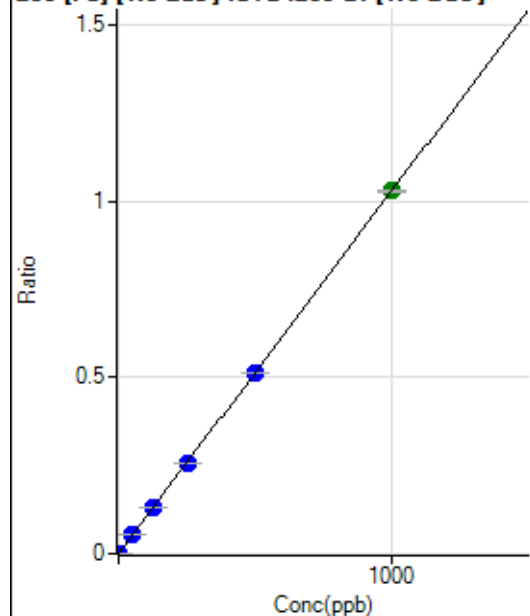
$$DL = 0.01064$$

$$BEC = 0.02259$$

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	366.68	0.0001	P	7.8
2	☐	0.100					
3	☐	1.000	0.924	4347.14	0.0010	P	3.4
4	☐	50.000	50.625	218330.98	0.0522	P	0.7
5	☐	125.000	126.352	519120.53	0.1301	P	0.1
6	☐	250.000	251.542	996250.57	0.2589	P	0.3
7	☐	500.000	497.167	1887020.27	0.5117	P	0.3
8	☐	1000.000	1000.831	3765486.92	1.0300	A	0.9
9	☐			6275.72	0.0019	P	1.9

$$y = 0.0010 * x + 8.6402E-005$$

$$R = 1.0000$$

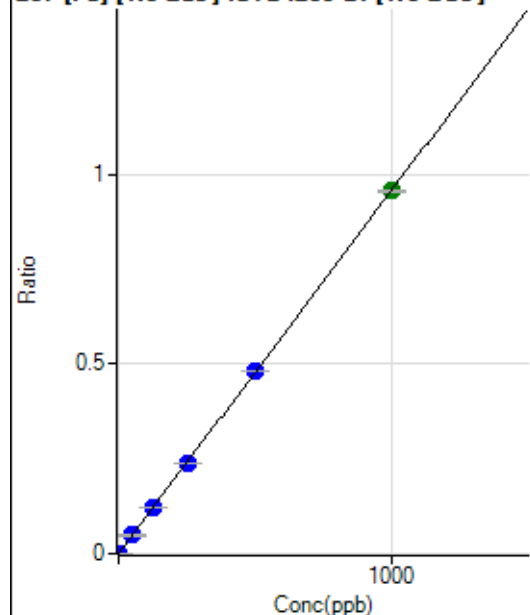
$$DL = 0.01967$$

$$BEC = 0.08397$$

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	346.31	0.0001	P	16.7
2	☐	0.100					
3	☐	1.000	0.879	3867.35	0.0009	P	2.7
4	☐	50.000	50.234	201545.52	0.0482	P	0.4
5	☐	125.000	125.605	480051.03	0.1203	P	1.0
6	☐	250.000	249.594	919605.59	0.2390	P	0.3
7	☐	500.000	501.586	1771046.28	0.4802	P	0.3
8	☐	1000.000	999.221	3497237.40	0.9566	A	0.7
9	☐			5416.07	0.0017	P	3.0

$$y = 9.5725E-004 * x + 8.1532E-005$$

$$R = 1.0000$$

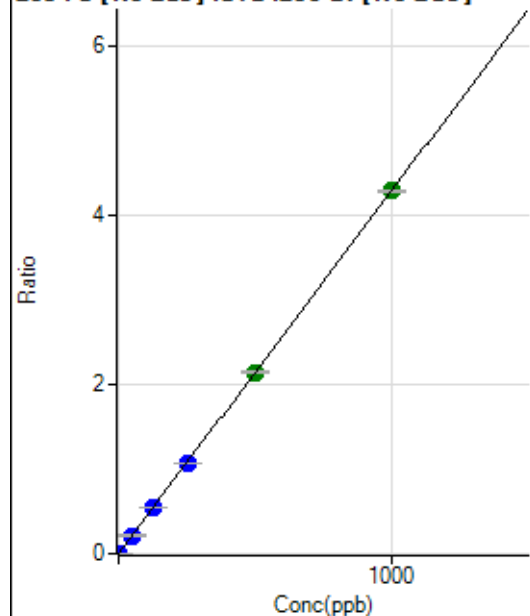
$$DL = 0.04262$$

$$BEC = 0.08517$$

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	1553.78	0.0004	P	0.8
2	☐	0.100					
3	☐	1.000	0.898	17649.56	0.0042	P	2.3
4	☐	50.000	50.131	899769.89	0.2150	P	0.7
5	☐	125.000	125.538	2146427.96	0.5380	P	0.5
6	☐	250.000	248.694	4099000.85	1.0653	P	0.5
7	☐	500.000	500.364	7903478.68	2.1431	A	0.3
8	☐	1000.000	1000.071	15658310.27	4.2830	A	0.5
9	☐			24837.55	0.0077	P	0.3

$$y = 0.0043 * x + 3.6606E-004$$

$$R = 1.0000$$

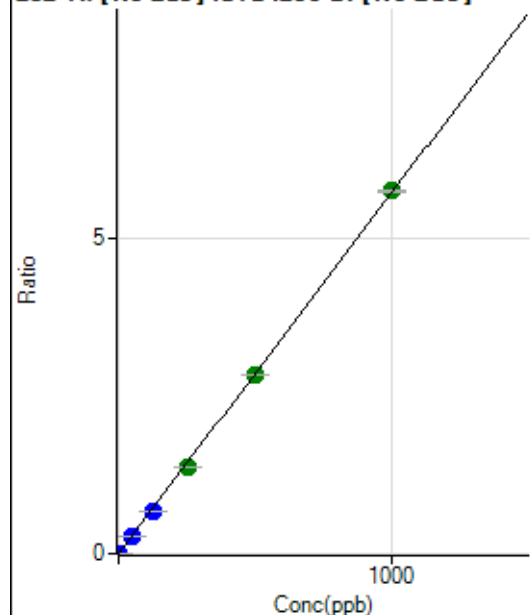
$$DL = 0.002168$$

$$BEC = 0.08548$$

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	29.2
2	☐	0.100					
3	☐	1.000	0.804	19307.22	0.0046	P	2.0
4	☐	50.000	46.061	1099898.03	0.2629	P	0.8
5	☐	125.000	116.920	2662207.15	0.6672	P	0.7
6	☐	250.000	238.302	5232371.41	1.3599	A	0.5
7	☐	500.000	495.184	10421621.99	2.8258	A	0.5
8	☐	1000.000	1006.540	20999787.04	5.7440	A	0.5
9	☐			3961.83	0.0012	P	10.0

$$y = 0.0057 * x + 1.7486E-005$$

$$R = 0.9999$$

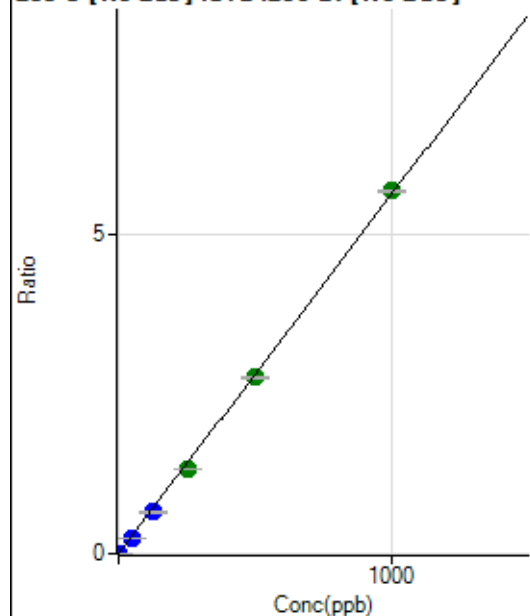
$$DL = 0.00268$$

$$BEC = 0.003064$$

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	408.36	0.0001	P	8.0
2	☐	0.100					
3	☐	1.000	0.857	20578.02	0.0049	P	2.2
4	☐	50.000	45.026	1058663.68	0.2530	P	0.5
5	☐	125.000	115.367	2585893.63	0.6481	P	1.4
6	☐	250.000	234.659	5071834.53	1.3182	A	0.8
7	☐	500.000	490.213	10155495.71	2.7537	A	0.3
8	☐	1000.000	1010.181	20745674.25	5.6745	A	0.6
9	☐			3228.31	0.0010	P	10.0

$$y = 0.0056 * x + 9.6245E-005$$

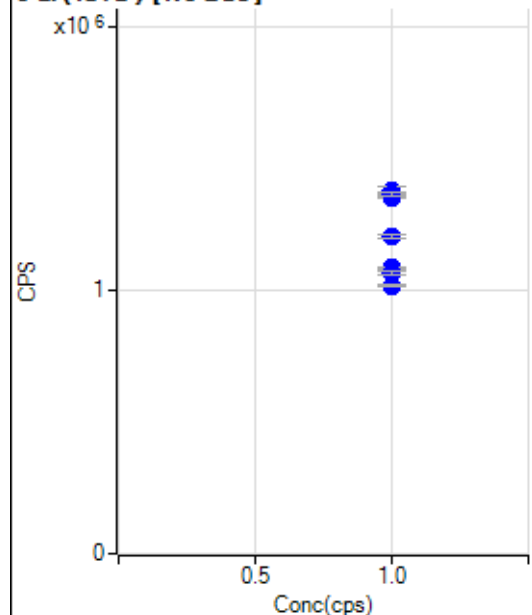
$$R = 0.9998$$

$$DL = 0.0041$$

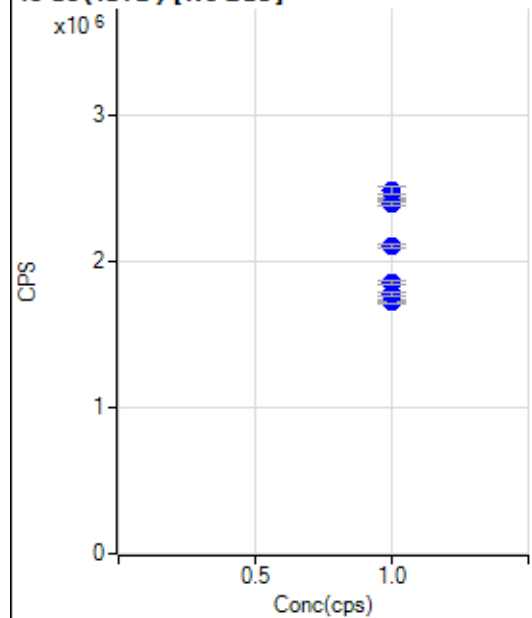
$$BEC = 0.01713$$

Weight: <None>

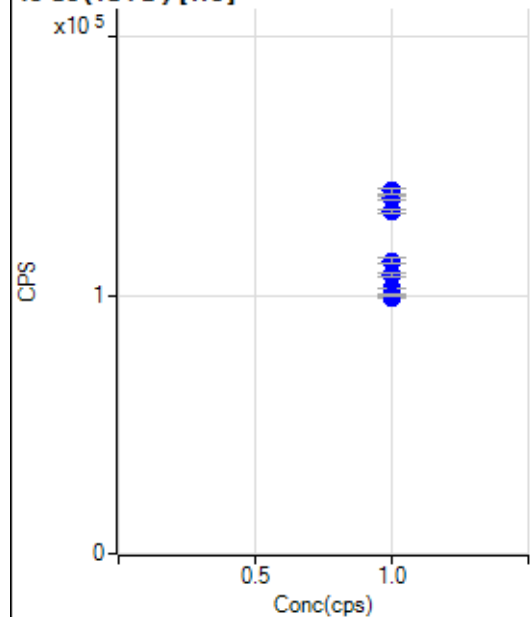
Min Conc: 0

6 Li (ISTD) [No Gas]

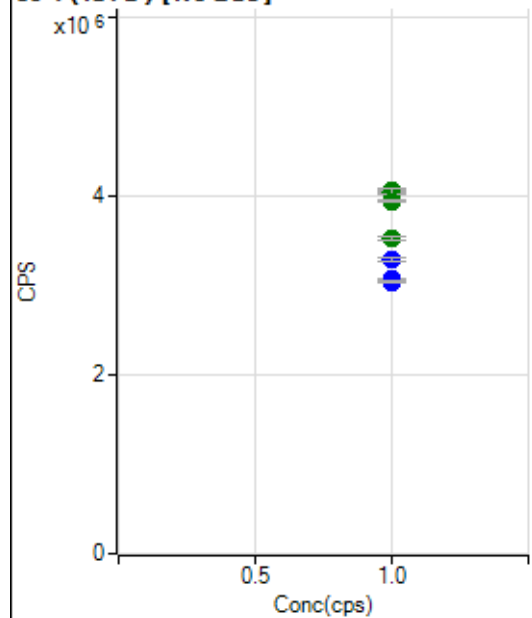
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		1351963.36		P	0.5
2	☐	1.000					
3	☐	1.000		1375376.48		P	2.1
4	☐	1.000		1362670.59		P	0.9
5	☐	1.000		1204477.10		P	1.5
6	☐	1.000		1082724.45		P	1.1
7	☐	1.000		1016916.76		P	0.3
8	☐	1.000		1016443.73		P	0.4
9	☐	1.000		1064079.21		P	1.5

45 Sc (ISTD) [No Gas]

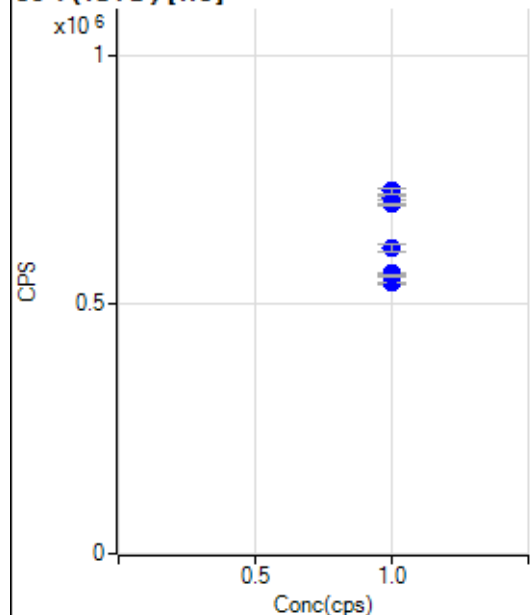
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		2425494.00		P	0.8
2	☐	1.000					
3	☐	1.000		2480338.19		P	2.1
4	☐	1.000		2397433.28		P	1.0
5	☐	1.000		2102373.66		P	1.7
6	☐	1.000		1852049.69		P	1.4
7	☐	1.000		1724811.13		P	0.5
8	☐	1.000		1717168.25		P	0.9
9	☐	1.000		1775767.68		P	1.7

45 Sc (ISTD) [He]

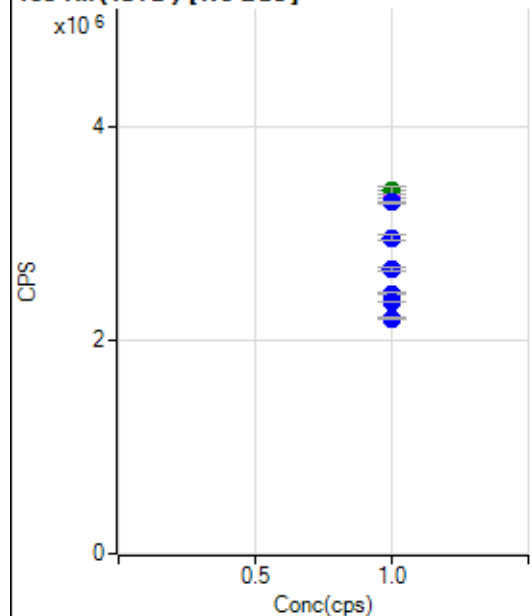
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		137622.82		P	0.7
2	☐	1.000					
3	☐	1.000		140279.26		P	1.4
4	☐	1.000		132275.88		P	0.8
5	☐	1.000		113324.27		P	1.7
6	☐	1.000		102604.24		P	0.4
7	☐	1.000		99129.97		P	0.3
8	☐	1.000		99917.11		P	1.1
9	☐	1.000		107957.26		P	1.5

89 Y (ISTD) [No Gas]

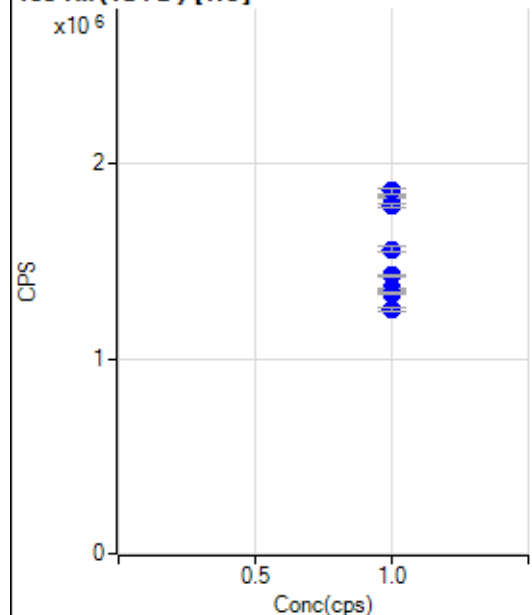
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		4058639.90		A	0.7
2	☐	1.000					
3	☐	1.000		4052235.46		A	1.9
4	☐	1.000		3945778.76		A	0.5
5	☐	1.000		3520786.09		A	1.4
6	☐	1.000		3286943.36		P	1.0
7	☐	1.000		3077028.01		P	0.4
8	☐	1.000		3055153.50		P	0.6
9	☐	1.000		3040107.66		P	0.8

89 Y(ISTD) [He]

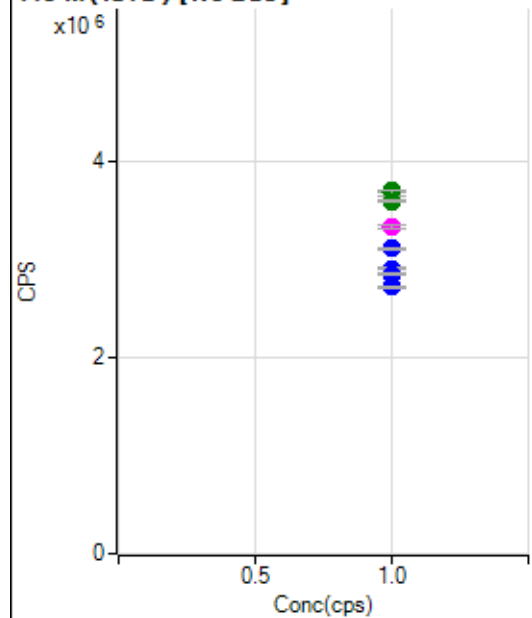
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		714518.24		P	0.8
2	☐	1.000					
3	☐	1.000		728304.50		P	1.5
4	☐	1.000		701320.98		P	0.6
5	☐	1.000		614005.40		P	2.1
6	☐	1.000		562530.34		P	0.3
7	☐	1.000		542926.54		P	0.8
8	☐	1.000		543938.86		P	0.5
9	☐	1.000		559201.22		P	0.8

103 Rh(ISTD) [No Gas]

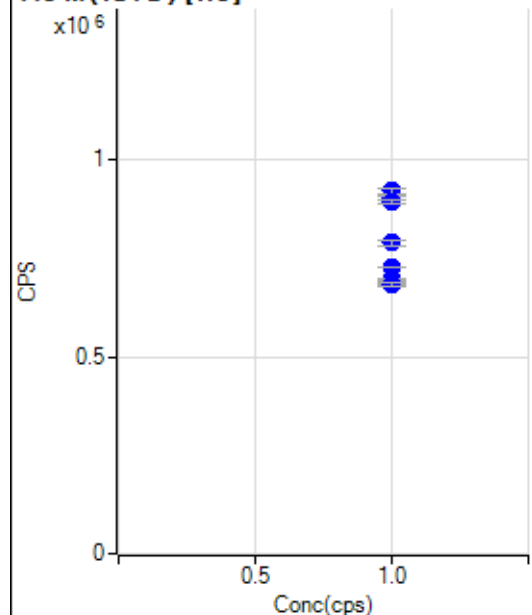
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		3369262.14		M	1.8
2	☐	1.000					
3	☐	1.000		3401140.92		A	2.1
4	☐	1.000		3292825.46		P	0.6
5	☐	1.000		2963743.36		P	1.6
6	☐	1.000		2669977.23		P	0.9
7	☐	1.000		2440528.59		P	0.6
8	☐	1.000		2362229.44		P	0.4
9	☐	1.000		2208268.49		P	0.5

103 Rh (ISTD) [He]

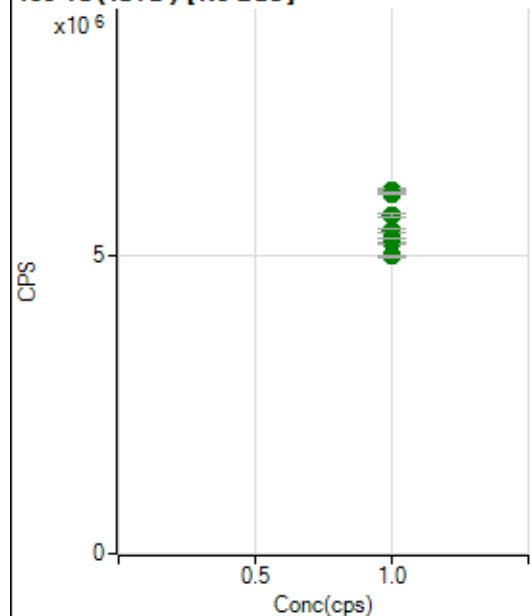
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		1827908.93		P	0.6
2	☐	1.000					
3	☐	1.000		1861330.39		P	1.3
4	☐	1.000		1785877.77		P	0.9
5	☐	1.000		1560336.38		P	1.9
6	☐	1.000		1428025.95		P	0.4
7	☐	1.000		1359843.45		P	0.7
8	☐	1.000		1333387.24		P	0.6
9	☐	1.000		1252533.64		P	1.6

115 In (ISTD) [No Gas]

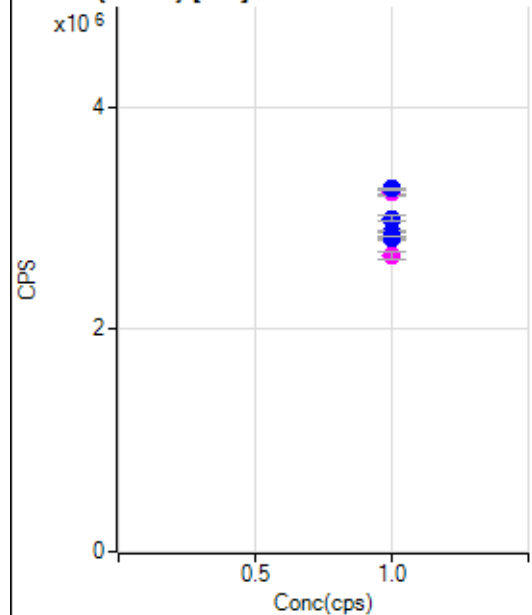
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		3701863.90		A	0.6
2	☐	1.000					
3	☐	1.000		3682642.37		A	1.8
4	☐	1.000		3594073.04		A	0.4
5	☐	1.000		3341380.77		M	1.2
6	☐	1.000		3110108.74		P	1.0
7	☐	1.000		2910745.32		P	0.3
8	☐	1.000		2853925.68		P	0.8
9	☐	1.000		2724967.60		P	0.6

115 In (ISTD) [He]

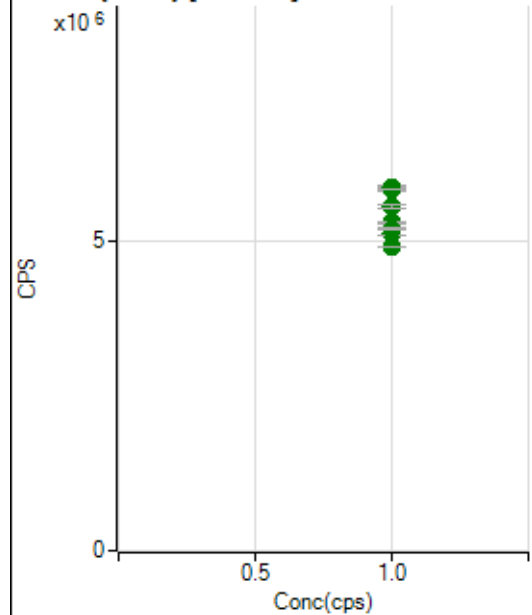
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		903600.55		P	0.8
2	☐	1.000					
3	☐	1.000		921503.42		P	1.6
4	☐	1.000		893588.88		P	0.8
5	☐	1.000		789793.53		P	1.9
6	☐	1.000		728641.56		P	0.4
7	☐	1.000		697128.72		P	0.8
8	☐	1.000		684050.30		P	0.4
9	☐	1.000		682254.20		P	1.6

159 Tb (ISTD) [No Gas]

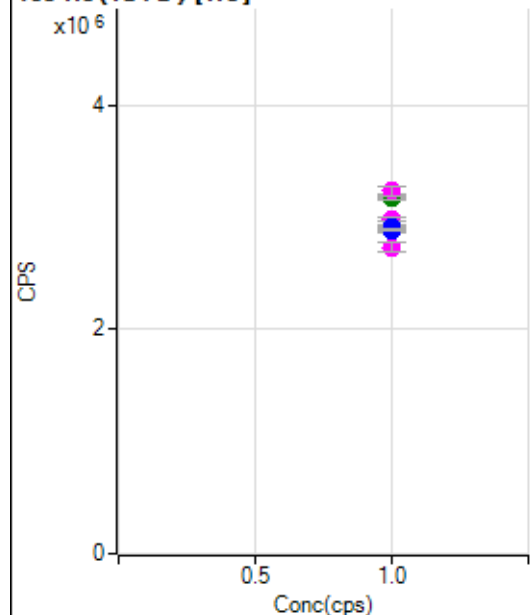
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		6094633.73		A	0.7
2	☐	1.000					
3	☐	1.000		6082760.26		A	1.7
4	☐	1.000		6050034.63		A	0.5
5	☐	1.000		5680235.12		A	1.1
6	☐	1.000		5433420.44		A	1.3
7	☐	1.000		5217975.24		A	0.6
8	☐	1.000		5297482.91		A	0.5
9	☐	1.000		4992326.11		A	0.4

159 Tb (ISTD) [He]

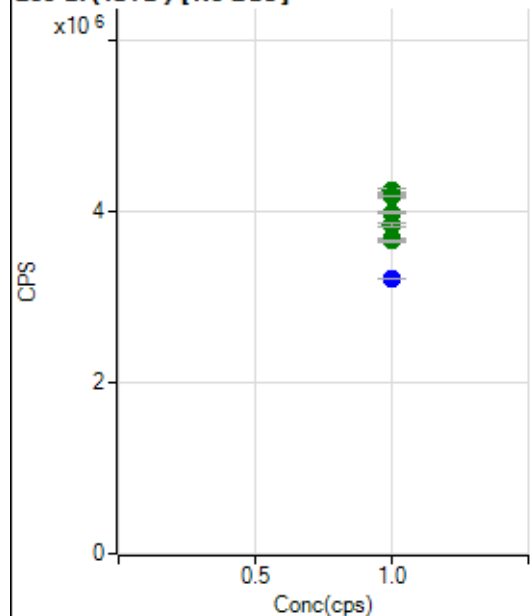
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		3229871.27		P	0.8
2	☐	1.000					
3	☐	1.000		3225708.67		M	2.0
4	☐	1.000		3261935.58		P	0.8
5	☐	1.000		2998640.09		P	1.7
6	☐	1.000		2873828.22		P	0.6
7	☐	1.000		2814601.73		P	0.6
8	☐	1.000		2837662.63		P	0.3
9	☐	1.000		2670276.75		M	2.6

165 Ho (ISTD) [No Gas]

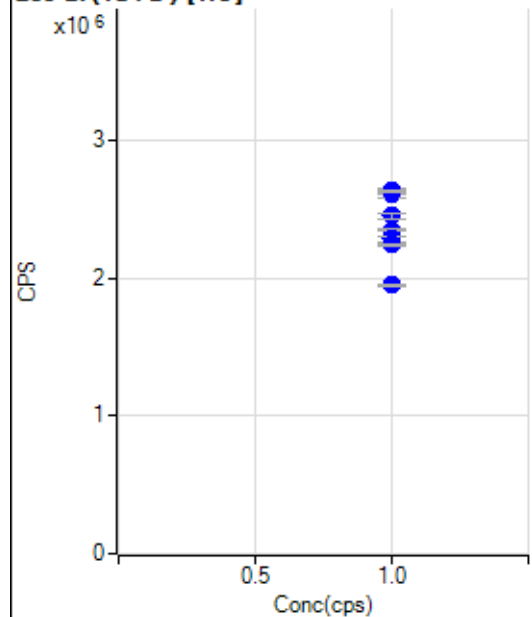
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		5854913.28		A	0.8
2	☐	1.000					
3	☐	1.000		5855723.92		A	1.6
4	☐	1.000		5839424.17		A	0.3
5	☐	1.000		5560673.30		A	1.1
6	☐	1.000		5296334.67		A	0.7
7	☐	1.000		5133145.86		A	1.4
8	☐	1.000		5188691.31		A	0.6
9	☐	1.000		4899872.42		A	0.4

165 Ho (ISTD) [He]

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		3175971.31		A	0.4
2	☐	1.000					
3	☐	1.000		3180830.51		A	1.5
4	☐	1.000		3232730.16		M	2.7
5	☐	1.000		2987498.53		M	1.0
6	☐	1.000		2919311.19		P	0.3
7	☐	1.000		2878685.34		P	1.0
8	☐	1.000		2888022.27		P	0.2
9	☐	1.000		2732847.18		M	2.5

209 Bi (ISTD) [No Gas]

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		4244424.10		A	1.0
2	☐	1.000					
3	☐	1.000		4190429.83		A	1.3
4	☐	1.000		4184188.51		A	0.4
5	☐	1.000		3990083.62		A	1.0
6	☐	1.000		3847661.37		A	0.9
7	☐	1.000		3687931.82		A	0.4
8	☐	1.000		3655961.13		A	0.3
9	☐	1.000		3218591.72		P	0.3

209 Bi (ISTD) [He]

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		2604639.70		P	1.2
2	☐	1.000					
3	☐	1.000		2627406.61		P	1.5
4	☐	1.000		2634144.27		P	0.9
5	☐	1.000		2453766.61		P	1.9
6	☐	1.000		2351011.56		P	0.5
7	☐	1.000		2284079.39		P	1.4
8	☐	1.000		2243906.44		P	0.6
9	☐	1.000		1948446.34		P	0.5