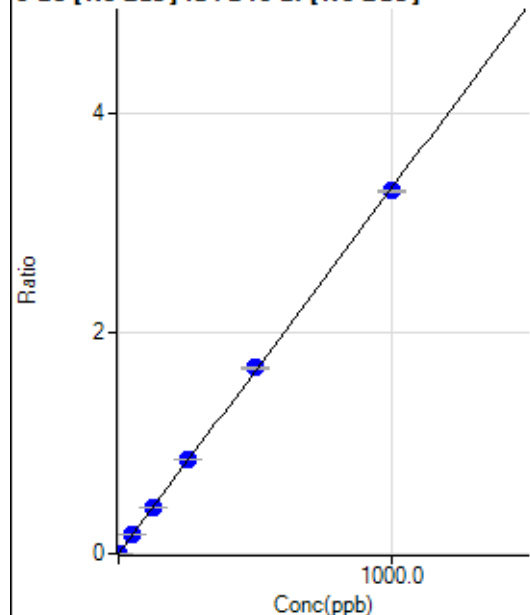


Batch Folder: D:\ICP-MS Data\P7012517.b\
Analysis File: P7012517.batch.bin
DA Date-Time: 2017-01-25 19:29:58
Calibration Title:
Calibration Method: External Calibration
VIS Interpolation Fit:

Level	Standard Data File	Sample Name	Acq. Date-Time
1	002CALB.d	S00	2017-01-25 12:49:14
2			
3	004CALS.d	S02	2017-01-25 12:57:27
4	005CALS.d	S03	2017-01-25 13:01:20
5	006CALS.d	S04	2017-01-25 13:05:29
6	007CALS.d	S05	2017-01-25 13:09:17
7	008CALS.d	S06	2017-01-25 13:13:03
8	009CALS.d	S07	2017-01-25 13:16:44
9	010CALS.d	S08	2017-01-25 13:20:20

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



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	12.96	0.0001	P	108.0
2	☐	0.100					
3	☐	1.000	0.935	718.56	0.0032	P	11.2
4	☐	50.000	51.723	39377.63	0.1716	P	0.2
5	☐	125.000	127.510	97237.87	0.4229	P	0.5
6	☐	250.000	256.621	194853.39	0.8511	P	0.8
7	☐	500.000	509.496	390639.94	1.6897	P	1.2
8	☐	1000.000	993.197	771195.43	3.2937	P	0.6
9	☐			175.93	0.0008	P	25.3

$$y = 0.0033 * x + 5.7504E-005$$

$$R = 0.9999$$

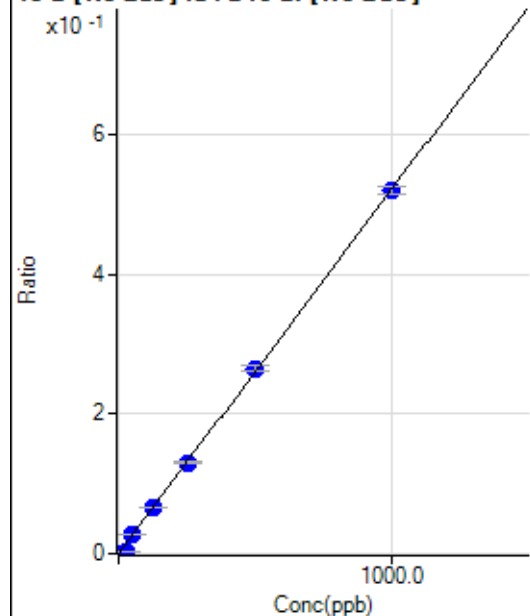
$$DL = 0.05619$$

$$BEC = 0.01734$$

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	41.67	0.0002	P	53.3
2	☐	2.500					
3	☐	25.000	4.555	583.37	0.0026	P	14.2
4	☐	50.000	51.568	6218.19	0.0271	P	3.1
5	☐	125.000	126.145	15180.34	0.0660	P	1.4
6	☐	250.000	249.087	29813.60	0.1302	P	2.5
7	☐	500.000	508.321	61375.12	0.2655	P	2.7
8	☐	1000.000	996.357	121783.93	0.5202	P	2.3
9	☐			1461.25	0.0064	P	9.1

$$y = 5.2191E-004 * x + 1.8451E-004$$

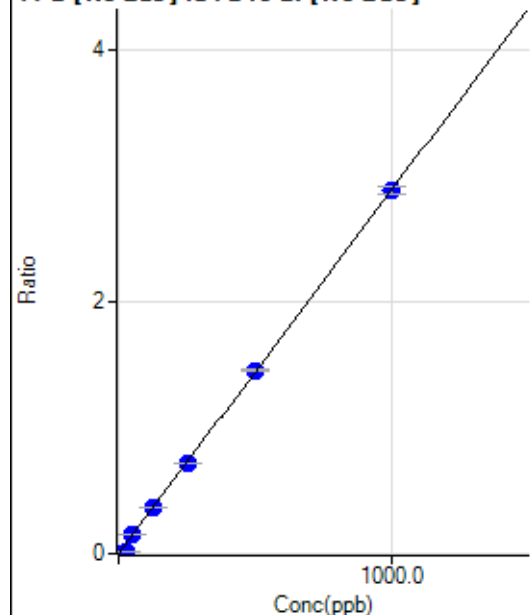
$$R = 0.9997$$

$$DL = 0.5657$$

$$BEC = 0.3535$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	263.90	0.0012	P	6.2
2	☐	2.500					
3	☐	25.000	4.915	3497.77	0.0154	P	2.6
4	☐	50.000	50.231	33571.51	0.1463	P	0.6
5	☐	125.000	125.106	83360.66	0.3626	P	1.5
6	☐	250.000	249.700	165435.42	0.7225	P	0.7
7	☐	500.000	504.675	337349.15	1.4591	P	1.7
8	☐	1000.000	998.215	675407.83	2.8849	P	2.0
9	☐			8310.95	0.0366	P	7.5

$$y = 0.0029 * x + 0.0012$$

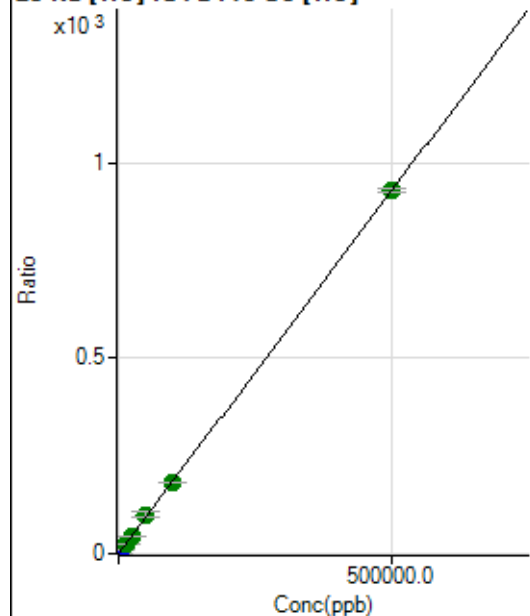
$$R = 0.9998$$

$$DL = 0.07546$$

$$BEC = 0.4039$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	12864.29	0.0629	P	0.5
2	☐	50.000					
3	☐	500.000	470.511	193142.86	0.9353	P	0.9
4	☐	5000.000	5201.430	1937697.26	9.7076	P	6.7
5	☐	12500.000	12321.085	4729355.88	22.9093	A	1.0
6	☐	25000.000	24801.899	9365923.91	46.0518	A	0.9
7	☐	50000.000	53959.290	18548421.59	100.1170	A	14.7
8	☐	100000.00	97801.062	37405235.56	181.4107	A	0.5
9	☐	500000.00	500056.25	189750962.5	927.2935	A	1.0

$$y = 0.0019 * x + 0.0629$$

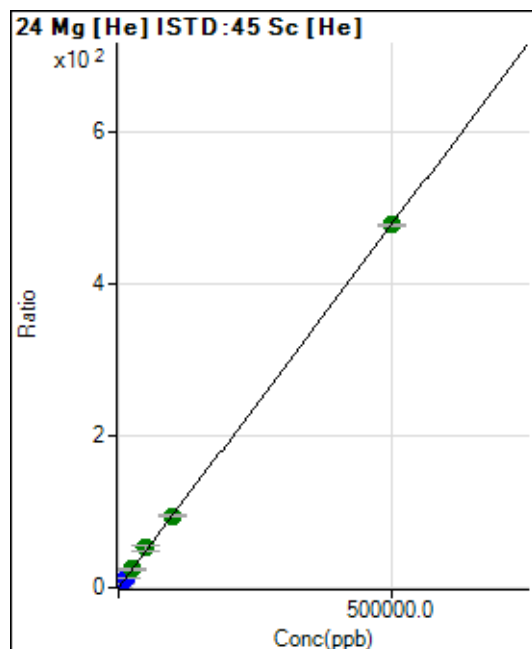
$$R = 1.0000$$

$$DL = 0.5474$$

$$BEC = 33.9$$

Weight: <None>

Min Conc: 0



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	225.01	0.0011	P	23.0
2	☐	50.000					
3	☐	500.000	489.706	97010.63	0.4698	P	1.6
4	☐	5000.000	5239.093	1001556.64	5.0153	P	5.5
5	☐	12500.000	12654.530	2500478.85	12.1125	P	0.8
6	☐	25000.000	25168.367	4899161.53	24.0892	A	1.2
7	☐	50000.000	54329.021	9630496.57	51.9983	A	15.0
8	☐	100000.00	98828.200	19502997.83	94.5875	A	1.3
9	☐	500000.00	499786.79	97881743.16	478.3368	A	0.7

$$y = 9.5708\text{E-}004 * x + 0.0011$$

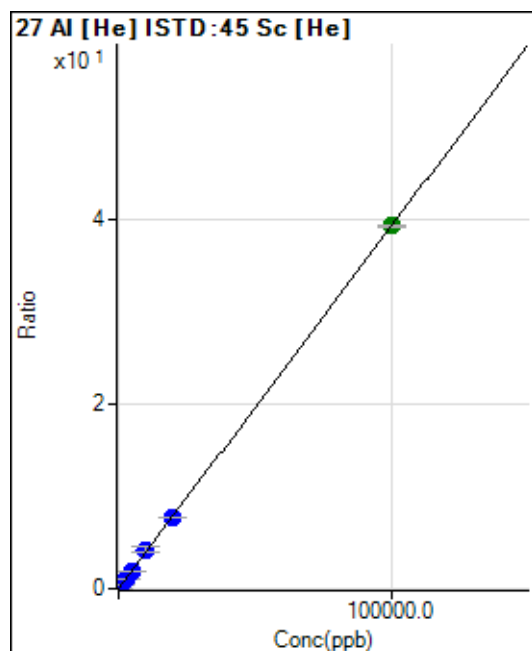
$$R = 1.0000$$

$$DL = 0.7931$$

$$BEC = 1.148$$

Weight: <None>

Min Conc: 0



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	177.78	0.0009	P	18.9
2	☐	2.000					
3	☐	20.000	17.910	1636.27	0.0079	P	8.8
4	☐	1000.000	1030.382	81251.64	0.4067	P	4.6
5	☐	2500.000	2488.643	202542.83	0.9811	P	0.6
6	☐	5000.000	4926.495	394844.91	1.9414	P	0.3
7	☐	10000.000	10823.353	789583.76	4.2641	P	15.3
8	☐	20000.000	19513.001	1584956.55	7.6869	P	1.2
9	☐	100000.00	100018.72	8062186.90	39.3977	A	0.5

$$y = 3.9389\text{E-}004 * x + 8.6854\text{E-}004$$

$$R = 0.9999$$

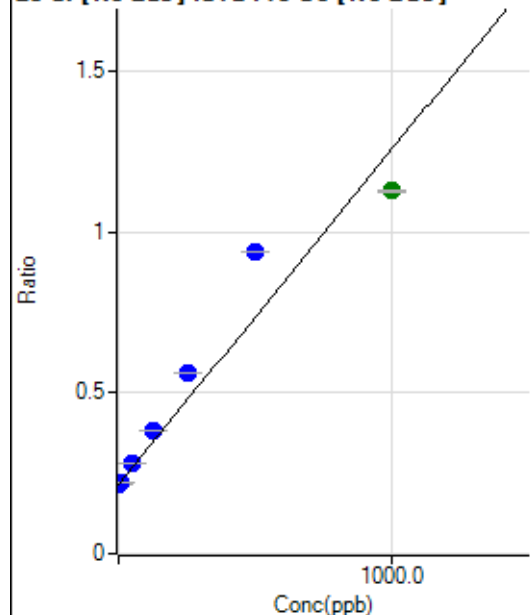
$$DL = 1.252$$

$$BEC = 2.205$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	902418.50	0.2153	P	1.2
2	☐	1.000					
3	☐	10.000	7.026	937446.71	0.2226	P	0.9
4	☐	50.000	64.023	1187498.88	0.2819	P	0.6
5	☐	125.000	159.693	1606725.03	0.3815	P	0.2
6	☐	250.000	333.346	2344958.32	0.5622	P	0.5
7	☐	500.000	694.657	3889829.56	0.9382	P	0.6
8	☐	1000.000	876.827	4692156.18	1.1278	A	0.6
9	☐			1324192.96	0.3217	P	0.8

$$y = 0.0010 * x + 0.2153$$

$$R = 0.9644$$

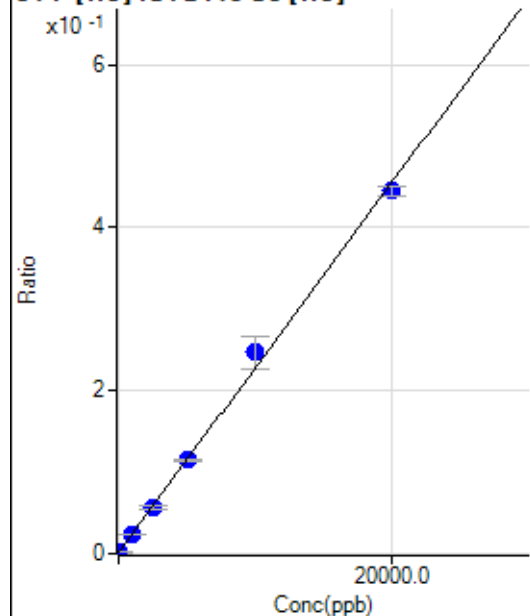
$$DL = 7.684$$

$$BEC = 206.9$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	-15.535	202.79	0.0010	P	15.7
2	☐	0.000					
3	☐	0.000	15.535	350.02	0.0017	P	5.2
4	☐	1000.000	1003.898	4817.65	0.0241	P	3.5
5	☐	2500.000	2442.083	11705.03	0.0567	P	6.2
6	☐	5000.000	5006.545	23355.09	0.1148	P	1.4
7	☐	10000.000	10855.638	45774.09	0.2474	P	16.2
8	☐	20000.000	19577.589	91779.27	0.4451	P	2.5
9	☐			283.35	0.0014	P	6.2

$$y = 2.2668E-005 * x + 0.0013$$

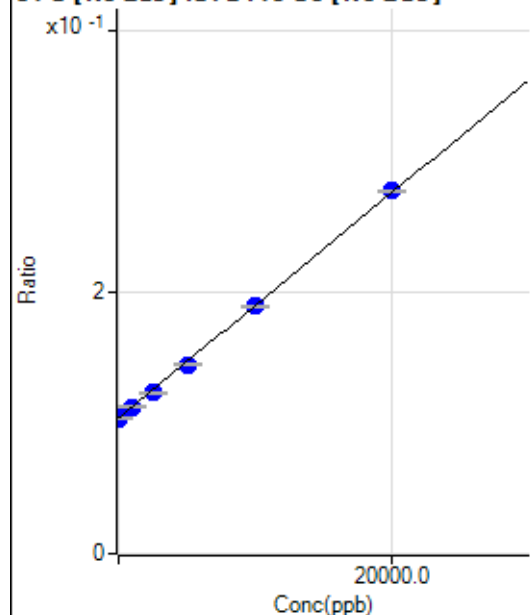
$$R = 0.9986$$

$$DL = 16.13$$

$$BEC = 59.25$$

Weight: <None>

Min Conc: 0

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

	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	88.743	438791.03	0.1047	P	0.8
2	☐	0.000					
3	☐	0.000	-88.743	434392.98	0.1031	P	1.1
4	☐	1000.000	935.213	471608.13	0.1120	P	1.2
5	☐	2500.000	2229.605	518492.64	0.1231	P	0.7
6	☐	5000.000	4722.007	602942.54	0.1446	P	0.8
7	☐	10000.000	9891.918	783829.03	0.1891	P	0.4
8	☐	20000.000	20160.578	1154319.36	0.2774	P	0.6
9	☐			414447.48	0.1007	P	0.4

$$y = 8.6074E-006 * x + 0.1039$$

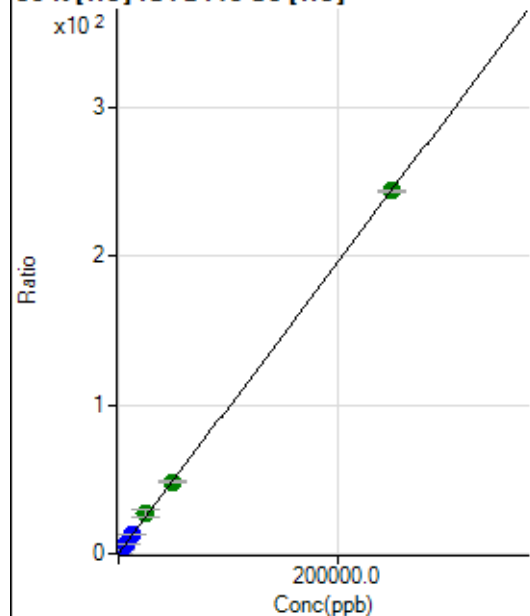
$$R = 0.9998$$

$$DL = 341.7$$

$$BEC = 1.207E+04$$

Weight: <None>

Min Conc: 0

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

	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	34967.07	0.1708	P	2.7
2	☐	50.000					
3	☐	500.000	480.548	132083.13	0.6396	P	0.2
4	☐	2500.000	2621.910	544779.92	2.7284	P	5.8
5	☐	6250.000	6307.370	1305409.25	6.3234	P	0.7
6	☐	12500.000	12616.546	2537741.20	12.4777	P	0.4
7	☐	25000.000	27503.976	4997270.60	26.9996	A	15.8
8	☐	50000.000	49483.480	9987657.95	48.4395	A	1.2
9	☐	250000.00	249844.46	49907492.78	243.8818	A	0.3

$$y = 9.7545E-004 * x + 0.1708$$

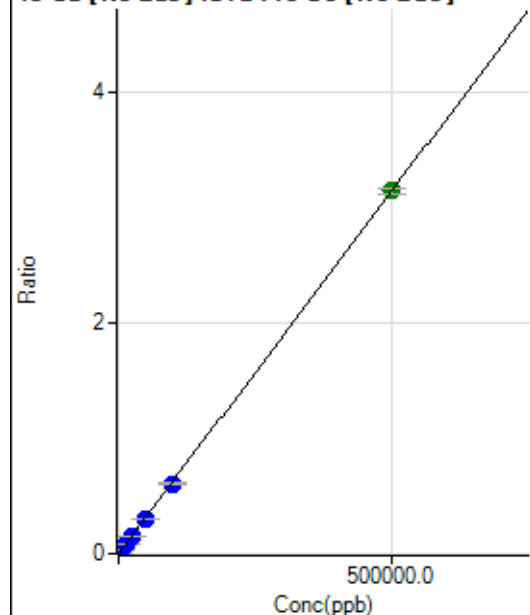
$$R = 0.9999$$

$$DL = 14.33$$

$$BEC = 175.1$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	163.90	0.0000	P	20.1
2	☐	50.000					
3	☐	500.000	469.063	12583.62	0.0030	P	2.1
4	☐	5000.000	4909.359	130177.40	0.0309	P	0.7
5	☐	12500.000	12131.750	321419.38	0.0763	P	0.5
6	☐	25000.000	24422.701	640614.00	0.1536	P	0.3
7	☐	50000.000	48825.253	1272836.24	0.3070	P	0.7
8	☐	100000.00	96836.789	2533175.60	0.6088	P	0.7
9	☐	500000.00	500789.12	12957474.86	3.1485	A	1.4

$$y = 6.2870\text{E-}006 * x + 3.9138\text{E-}005$$

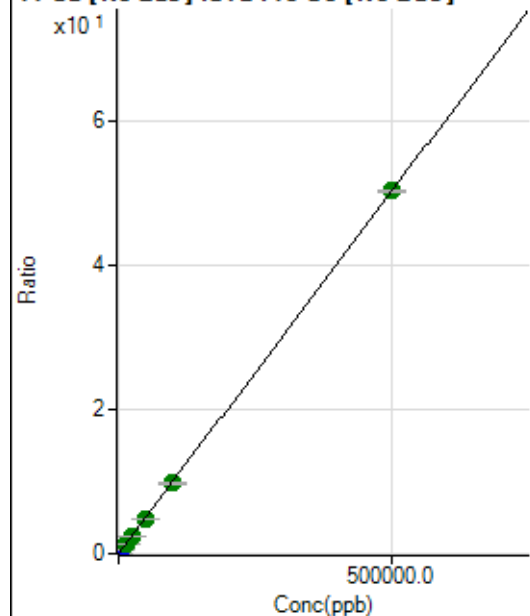
$$R = 1.0000$$

$$DL = 3.762$$

$$BEC = 6.225$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	29318.80	0.0070	P	1.2
2	☐	50.000					
3	☐	500.000	458.413	223436.09	0.0531	P	0.9
4	☐	5000.000	4923.280	2113194.99	0.5017	P	0.5
5	☐	12500.000	12208.826	5196269.52	1.2337	A	0.5
6	☐	25000.000	24162.556	10155413.07	2.4348	A	1.0
7	☐	50000.000	48369.355	20178611.39	4.8670	A	0.2
8	☐	100000.00	96941.795	40554333.20	9.7474	A	0.5
9	☐	500000.00	500824.66	207135747.6	50.3281	A	0.8

$$y = 1.0048\text{E-}004 * x + 0.0070$$

$$R = 1.0000$$

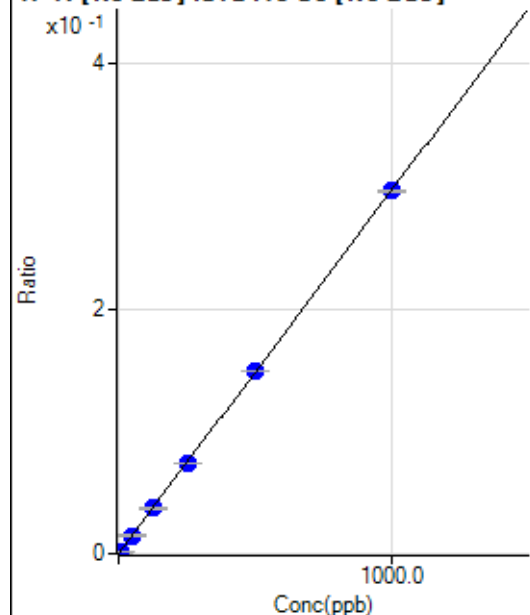
$$DL = 2.41$$

$$BEC = 69.61$$

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	105.56	0.0000	P	13.1
2	☐	0.500					
3	☐	5.000	4.764	6059.86	0.0014	P	6.0
4	☐	50.000	50.084	62720.13	0.0149	P	1.3
5	☐	125.000	124.610	155877.35	0.0370	P	0.4
6	☐	250.000	250.903	310713.88	0.0745	P	0.1
7	☐	500.000	501.642	617384.16	0.1489	P	0.2
8	☐	1000.000	998.999	1233704.29	0.2965	P	0.3
9	☐			1247.61	0.0003	P	37.1

$$y = 2.9679\text{E-}004 * x + 2.5205\text{E-}005$$

$$R = 1.0000$$

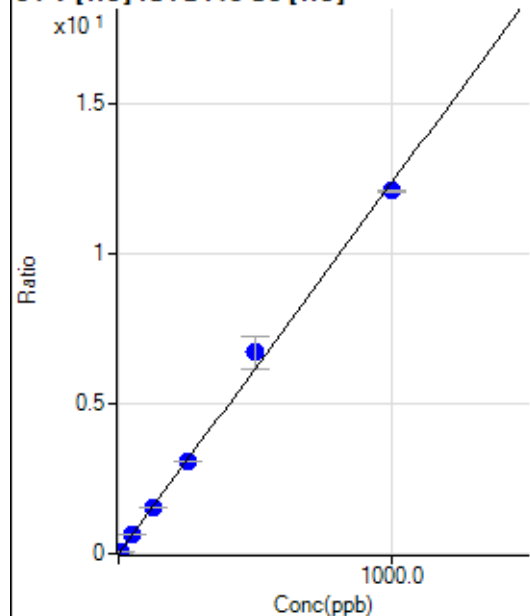
$$DL = 0.03347$$

$$BEC = 0.08492$$

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	17.78	0.0001	P	60.4
2	☐	0.500					
3	☐	5.000	4.708	12031.76	0.0583	P	0.0
4	☐	50.000	51.151	126243.40	0.6321	P	5.1
5	☐	125.000	123.493	315019.60	1.5259	P	0.5
6	☐	250.000	248.707	625018.22	3.0731	P	0.4
7	☐	500.000	542.430	1239949.83	6.7023	P	16.2
8	☐	1000.000	979.241	2494795.59	12.0994	P	0.4
9	☐			1017.83	0.0050	P	3.0

$$y = 0.0124 * x + 8.6880\text{E-}005$$

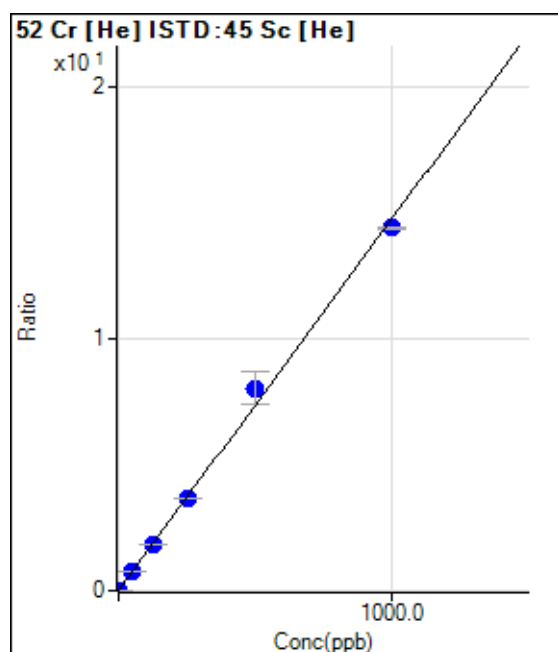
$$R = 0.9986$$

$$DL = 0.01273$$

$$BEC = 0.007031$$

Weight: <None>

Min Conc: 0



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	638.91	0.0031	P	3.5
2	☐	0.200					
3	☐	2.000	2.051	6886.15	0.0333	P	0.6
4	☐	50.000	51.761	152928.27	0.7660	P	6.3
5	☐	125.000	125.442	382324.44	1.8520	P	1.0
6	☐	250.000	250.515	751586.44	3.6954	P	0.4
7	☐	500.000	544.892	1486853.71	8.0342	P	15.9
8	☐	1000.000	977.282	2970628.36	14.4072	P	0.4
9	☐			88702.70	0.4335	P	1.1

$$y = 0.0147 * x + 0.0031$$

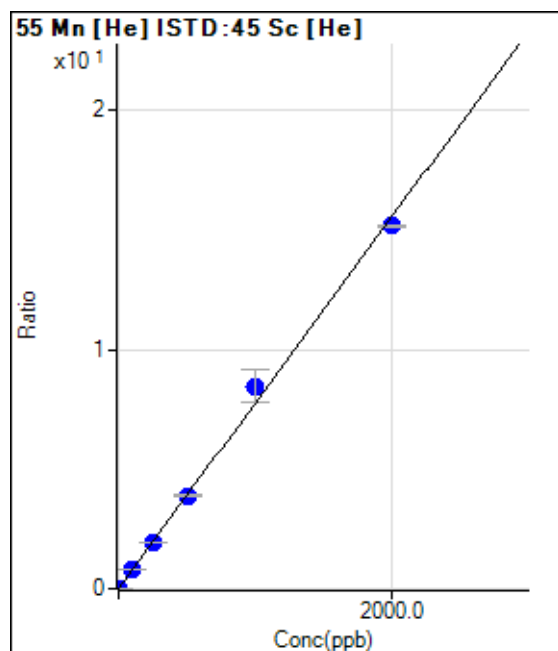
$$R = 0.9985$$

$$DL = 0.02222$$

$$BEC = 0.2118$$

Weight: <None>

Min Conc: 0



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	66.67	0.0003	P	23.0
2	☐	0.100					
3	☐	1.000	1.042	1736.80	0.0084	P	2.4
4	☐	100.000	103.463	160231.00	0.8028	P	6.9
5	☐	250.000	251.028	402009.41	1.9473	P	0.4
6	☐	500.000	502.002	791945.69	3.8939	P	0.7
7	☐	1000.000	1090.319	1564424.07	8.4570	P	16.3
8	☐	2000.000	1954.038	3125047.28	15.1561	P	0.6
9	☐			11891.63	0.0581	P	2.2

$$y = 0.0078 * x + 3.2572E-004$$

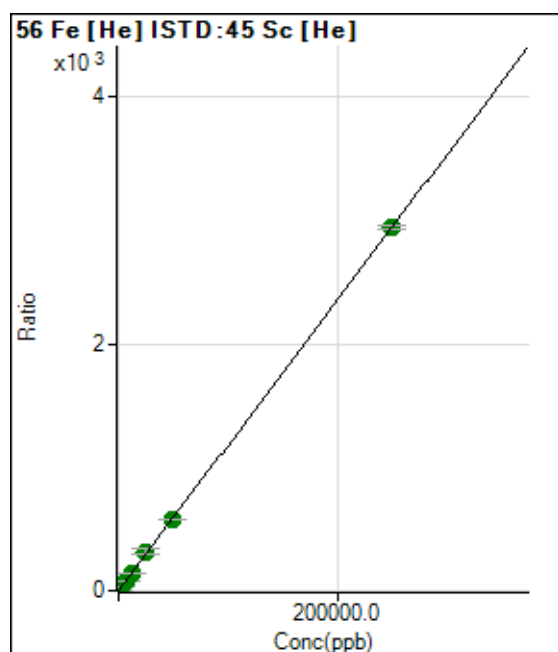
$$R = 0.9985$$

$$DL = 0.02892$$

$$BEC = 0.04199$$

Weight: <None>

Min Conc: 0



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	3887.65	0.0190	P	3.7
2	☐	5.000					
3	☐	50.000	47.444	119026.66	0.5764	P	1.0
4	☐	2500.000	2588.292	6074530.11	30.4267	A	6.2
5	☐	6250.000	6257.618	15180407.51	73.5345	A	0.4
6	☐	12500.000	12449.414	29749391.17	146.2767	A	1.0
7	☐	25000.000	27086.615	58899261.04	318.2368	A	15.8
8	☐	50000.000	48777.708	118162284.1	573.0672	A	0.5
9	☐	250000.00	250037.25	601089613.4	2,937.496	A	1.0

$$y = 0.0117 * x + 0.0190$$

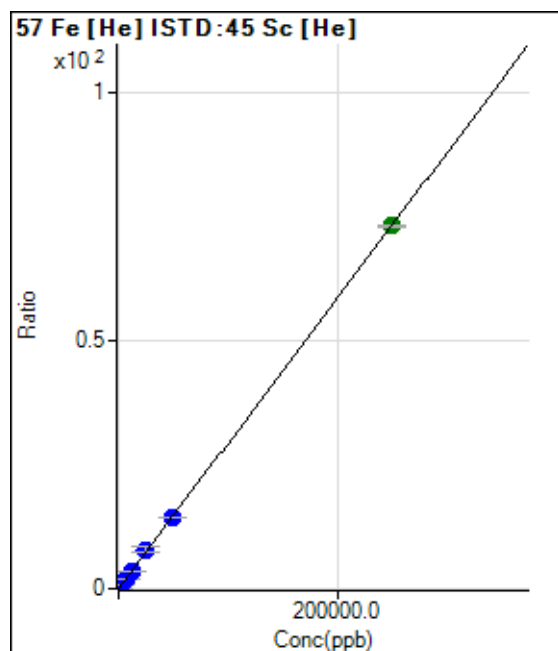
$$R = 0.9999$$

$$DL = 0.1776$$

$$BEC = 1.617$$

Weight: <None>

Min Conc: 0



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	87.04	0.0004	P	18.5
2	☐	5.000					
3	☐	50.000	46.946	2918.89	0.0141	P	4.6
4	☐	2500.000	2548.991	148738.79	0.7448	P	5.5
5	☐	6250.000	6213.566	374693.47	1.8150	P	0.4
6	☐	12500.000	12419.838	737757.01	3.6275	P	0.7
7	☐	25000.000	27024.603	1461261.27	7.8926	P	15.4
8	☐	50000.000	48634.478	2928615.20	14.2035	P	0.9
9	☐	250000.00	250075.07	14944678.69	73.0315	A	0.3

$$y = 2.9204E-004 * x + 4.2528E-004$$

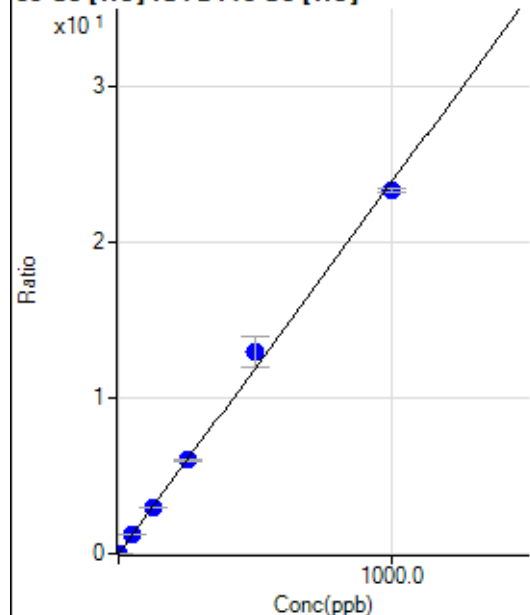
$$R = 0.9999$$

$$DL = 0.8081$$

$$BEC = 1.456$$

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	153.34	0.0007	P	18.9
2	☐	0.100					
3	☐	1.000	0.981	4985.37	0.0241	P	3.0
4	☐	50.000	52.553	250222.98	1.2534	P	6.3
5	☐	125.000	126.417	622197.53	3.0140	P	0.8
6	☐	250.000	251.984	1221683.19	6.0069	P	0.8
7	☐	500.000	543.156	2396378.71	12.9472	P	15.7
8	☐	1000.000	977.621	4804796.77	23.3029	P	0.9
9	☐			6471.54	0.0316	P	1.4

$$y = 0.0238 * x + 7.4921E-004$$

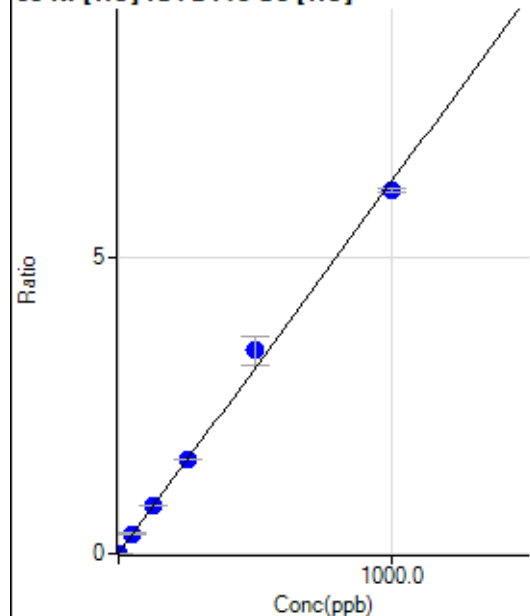
$$R = 0.9986$$

$$DL = 0.01782$$

$$BEC = 0.03143$$

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	80.00	0.0004	P	30.2
2	☐	0.100					
3	☐	1.000	1.010	1390.09	0.0067	P	0.2
4	☐	50.000	53.178	66765.97	0.3343	P	5.5
5	☐	125.000	127.887	165874.08	0.8035	P	0.5
6	☐	250.000	254.223	324769.77	1.5969	P	0.7
7	☐	500.000	545.590	634859.21	3.4266	P	14.6
8	☐	1000.000	975.629	1263350.38	6.1271	P	1.0
9	☐			22323.84	0.1091	P	1.0

$$y = 0.0063 * x + 3.9097E-004$$

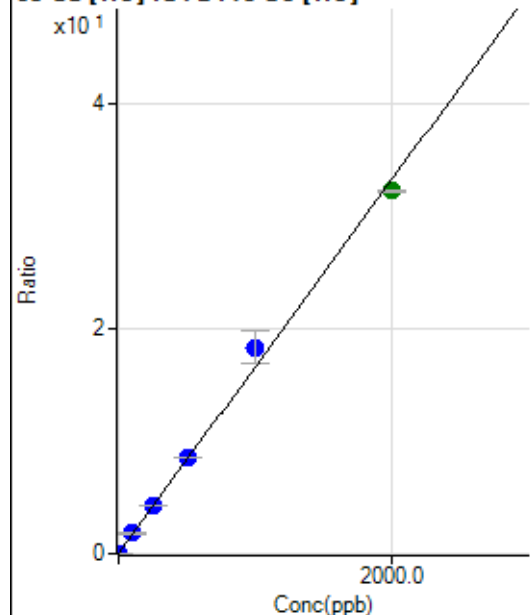
$$R = 0.9984$$

$$DL = 0.05635$$

$$BEC = 0.06226$$

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	3497.14	0.0171	P	0.5
2	☐	0.200					
3	☐	2.000	1.985	10342.67	0.0501	P	1.7
4	☐	100.000	107.534	360269.04	1.8044	P	6.0
5	☐	250.000	259.054	892426.54	4.3229	P	1.0
6	☐	500.000	513.994	1741030.84	8.5603	P	0.1
7	☐	1000.000	1104.869	3402868.91	18.3814	P	15.5
8	☐	2000.000	1942.558	6660970.32	32.3049	A	0.5
9	☐			12889.18	0.0630	P	0.7

$$y = 0.0166 * x + 0.0171$$

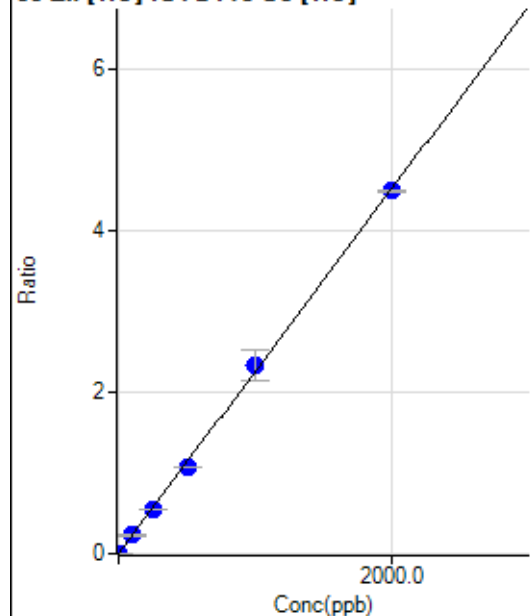
$$R = 0.9979$$

$$DL = 0.01695$$

$$BEC = 1.028$$

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	138.89	0.0007	P	26.3
2	☐	0.200					
3	☐	2.000	1.919	1034.50	0.0050	P	3.3
4	☐	100.000	100.078	45252.31	0.2266	P	5.4
5	☐	250.000	239.109	111569.06	0.5404	P	1.2
6	☐	500.000	476.159	218749.12	1.0756	P	0.4
7	☐	1000.000	1033.474	431822.23	2.3336	P	16.0
8	☐	2000.000	1990.581	926667.38	4.4942	P	0.6
9	☐			8398.09	0.0410	P	0.6

$$y = 0.0023 * x + 6.7841E-004$$

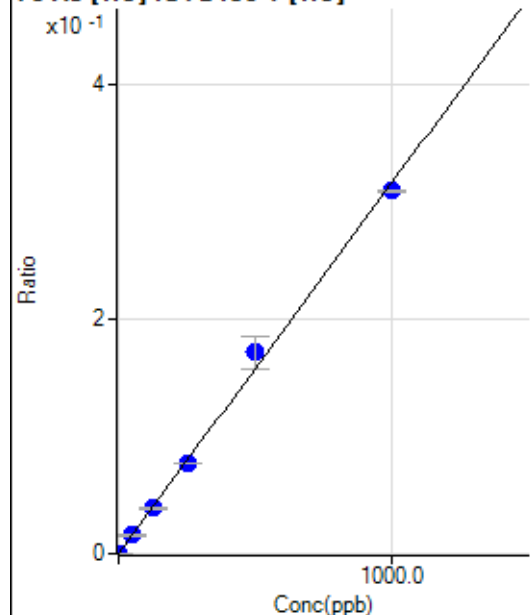
$$R = 0.9997$$

$$DL = 0.237$$

$$BEC = 0.3005$$

Weight: <None>

Min Conc: 0

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

	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	12.35	0.0000	P	31.9
2	☐	0.100					
3	☐	1.000	0.996	353.71	0.0003	P	6.0
4	☐	50.000	50.639	16910.53	0.0160	P	5.5
5	☐	125.000	122.095	42347.89	0.0385	P	1.3
6	☐	250.000	245.300	83832.20	0.0774	P	0.7
7	☐	500.000	543.968	166708.46	0.1717	P	15.9
8	☐	1000.000	979.522	333372.87	0.3092	P	0.8
9	☐			693.85	0.0007	P	8.3

$$y = 3.1563\text{E-}004 * x + 1.1390\text{E-}005$$

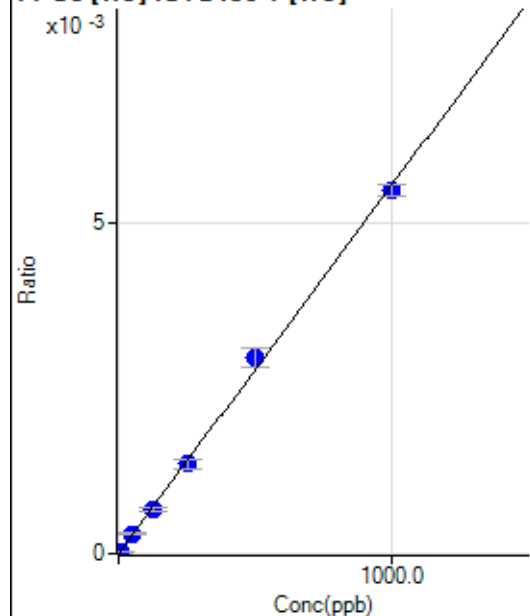
$$R = 0.9985$$

$$DL = 0.03456$$

$$BEC = 0.03609$$

Weight: <None>

Min Conc: 0

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

	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	1.11	0.0000	P	173.2
2	☐	0.500					
3	☐	5.000	5.158	32.22	0.0000	P	29.6
4	☐	50.000	52.854	311.12	0.0003	P	11.0
5	☐	125.000	119.803	732.25	0.0007	P	5.8
6	☐	250.000	243.066	1462.32	0.0014	P	9.6
7	☐	500.000	533.287	2892.56	0.0030	P	10.0
8	☐	1000.000	985.596	5904.63	0.0055	P	3.1
9	☐			16.67	0.0000	P	72.0

$$y = 5.5543\text{E-}006 * x + 1.0196\text{E-}006$$

$$R = 0.9991$$

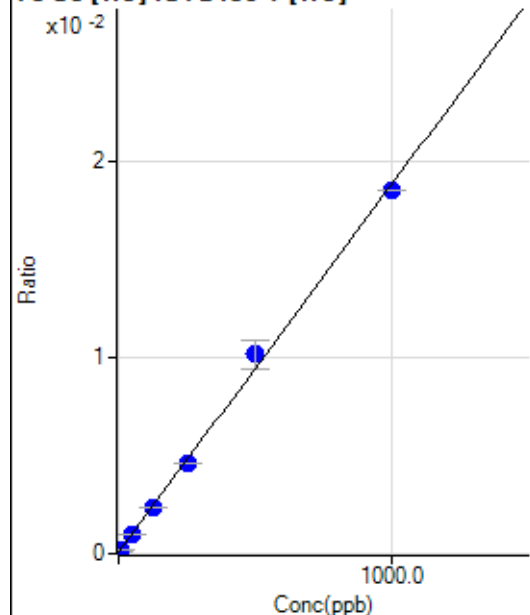
$$DL = 0.9538$$

$$BEC = 0.1836$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	83.95	0.0001	P	18.1
2	☐	0.500					
3	☐	5.000	5.375	193.21	0.0002	P	7.9
4	☐	50.000	49.747	1067.33	0.0010	P	1.4
5	☐	125.000	121.471	2581.74	0.0024	P	2.4
6	☐	250.000	243.265	5011.40	0.0046	P	0.4
7	☐	500.000	538.056	9860.21	0.0101	P	15.0
8	☐	1000.000	983.108	19918.07	0.0185	P	0.1
9	☐			161.11	0.0002	P	11.1

$$y = 1.8710E-005 * x + 7.7363E-005$$

$$R = 0.9989$$

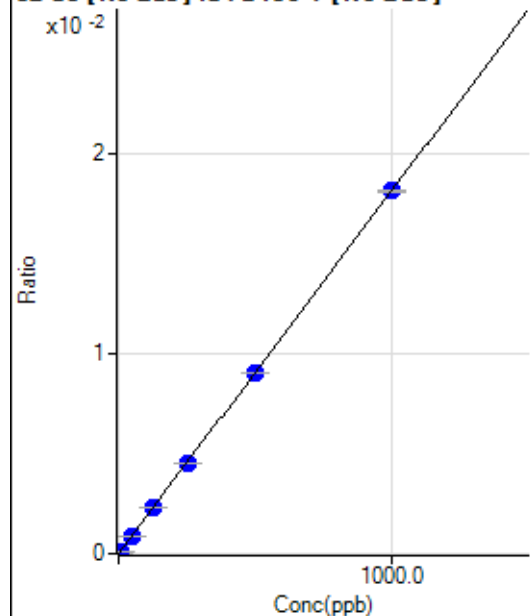
$$DL = 2.247$$

$$BEC = 4.135$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	-19.27	0.0000	P	-380.
2	☐	0.500					
3	☐	5.000	4.606	572.78	0.0001	P	12.0
4	☐	50.000	48.931	6285.68	0.0009	P	1.0
5	☐	125.000	127.561	16326.12	0.0023	P	0.5
6	☐	250.000	249.721	31980.29	0.0045	P	0.6
7	☐	500.000	498.740	63708.31	0.0091	P	0.4
8	☐	1000.000	1000.435	127461.32	0.0182	P	0.8
9	☐			327.58	0.0000	P	37.3

$$y = 1.8164E-005 * x - 2.7280E-006$$

$$R = 1.0000$$

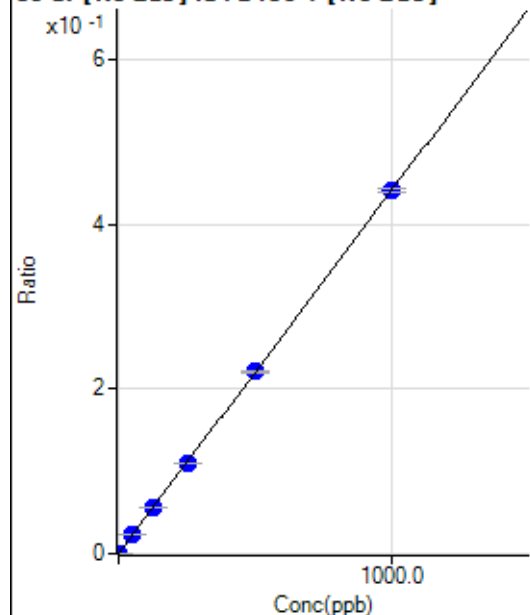
$$DL = 1.716$$

$$BEC = -0.1502$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	944.51	0.0001	P	13.3
2	☐	0.100					
3	☐	1.000	0.882	3695.09	0.0005	P	0.9
4	☐	50.000	50.216	157937.13	0.0223	P	0.6
5	☐	125.000	125.740	391843.85	0.0555	P	1.0
6	☐	250.000	251.005	781308.53	0.1108	P	0.3
7	☐	500.000	500.809	1553521.14	0.2208	P	0.9
8	☐	1000.000	999.241	3090158.57	0.4405	P	0.9
9	☐			92654.27	0.0136	P	0.8

$$y = 4.4071\text{E-}004 * x + 1.3347\text{E-}004$$

$$R = 1.0000$$

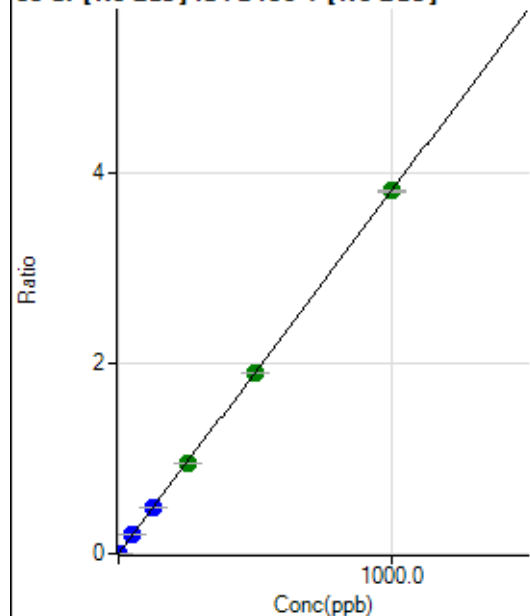
$$DL = 0.1208$$

$$BEC = 0.3029$$

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	108.34	0.0000	P	35.6
2	☐	0.100					
3	☐	1.000	0.916	24827.84	0.0035	P	1.4
4	☐	50.000	50.649	1369654.49	0.1931	P	0.5
5	☐	125.000	126.599	3404285.19	0.4826	P	0.5
6	☐	250.000	249.704	6714642.64	0.9518	A	0.5
7	☐	500.000	499.214	13385899.17	1.9029	A	0.5
8	☐	1000.000	1000.235	26746349.21	3.8127	A	0.7
9	☐			800289.74	0.1173	P	0.4

$$y = 0.0038 * x + 1.5329\text{E-}005$$

$$R = 1.0000$$

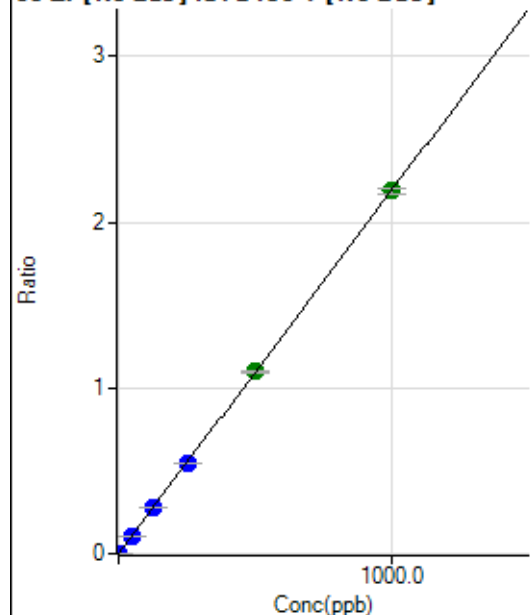
$$DL = 0.004298$$

$$BEC = 0.004021$$

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	388.91	0.0001	P	3.9
2	☐	0.100					
3	☐	1.000	0.707	11346.60	0.0016	P	3.0
4	☐	50.000	48.827	758734.01	0.1070	P	0.8
5	☐	125.000	125.292	1935476.00	0.2744	P	0.9
6	☐	250.000	249.813	3858840.28	0.5470	P	0.0
7	☐	500.000	501.210	7719555.03	1.0974	A	0.8
8	☐	1000.000	999.464	15350622.57	2.1883	A	1.3
9	☐			4623.15	0.0007	P	1.5

$$y = 0.0022 * x + 5.4951E-005$$

$$R = 1.0000$$

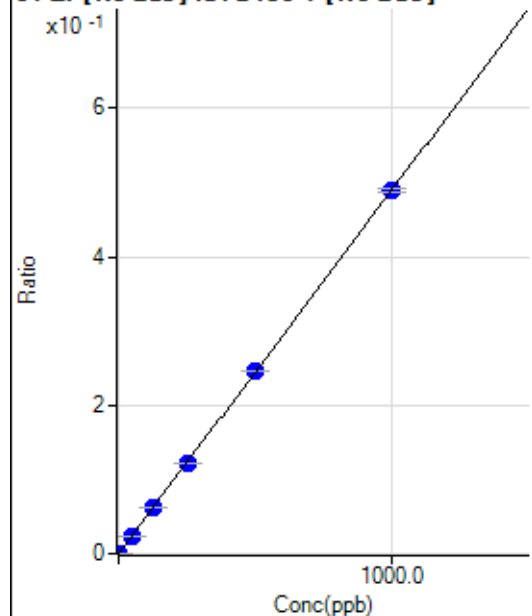
$$DL = 0.00291$$

$$BEC = 0.0251$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	94.45	0.0000	P	10.7
2	☐	0.100					
3	☐	1.000	0.709	2547.56	0.0004	P	2.7
4	☐	50.000	48.624	168806.41	0.0238	P	0.1
5	☐	125.000	125.279	432347.46	0.0613	P	0.8
6	☐	250.000	248.462	857410.83	0.1215	P	0.2
7	☐	500.000	502.666	1729566.86	0.2459	P	0.6
8	☐	1000.000	999.086	3428165.27	0.4887	P	1.2
9	☐			1077.87	0.0002	P	7.4

$$y = 4.8912E-004 * x + 1.3353E-005$$

$$R = 1.0000$$

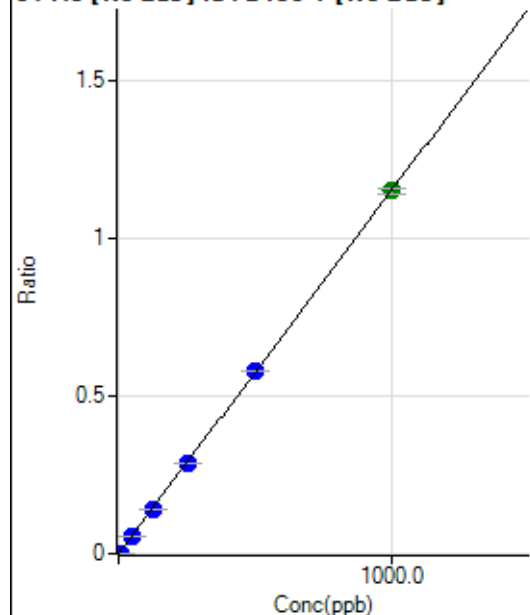
$$DL = 0.008788$$

$$BEC = 0.0273$$

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	216.68	0.0000	P	17.7
2	☐	0.500					
3	☐	5.000	1.852	15283.75	0.0022	P	3.8
4	☐	50.000	48.555	396132.20	0.0558	P	0.4
5	☐	125.000	123.595	1002333.60	0.1421	P	1.1
6	☐	250.000	248.807	2017698.72	0.2860	P	0.4
7	☐	500.000	502.720	4064946.23	0.5779	P	0.2
8	☐	1000.000	999.202	8056691.24	1.1485	A	1.5
9	☐			20092.65	0.0029	P	4.1

$$y = 0.0011 * x + 3.0619E-005$$

$$R = 1.0000$$

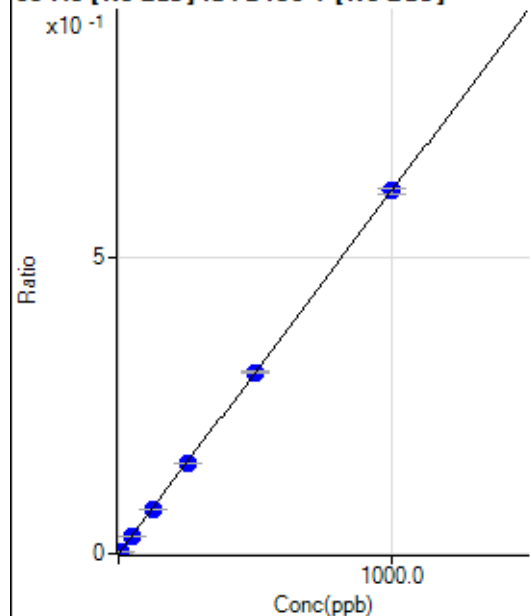
$$DL = 0.01411$$

$$BEC = 0.02664$$

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	119.45	0.0000	P	51.4
2	☐	0.500					
3	☐	5.000	4.436	19375.00	0.0027	P	1.9
4	☐	50.000	48.682	211892.05	0.0299	P	1.4
5	☐	125.000	122.877	531670.12	0.0754	P	0.5
6	☐	250.000	247.358	1070177.27	0.1517	P	0.1
7	☐	500.000	501.008	2161268.76	0.3072	P	0.2
8	☐	1000.000	1000.490	4303776.57	0.6135	P	1.5
9	☐			32020.28	0.0047	P	4.3

$$y = 6.1322E-004 * x + 1.6865E-005$$

$$R = 1.0000$$

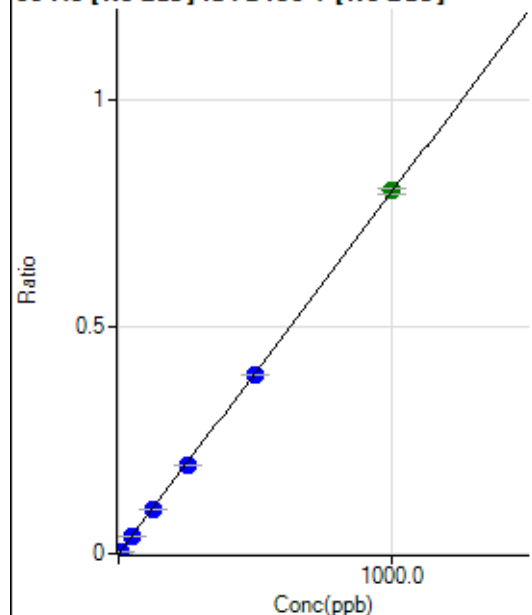
$$DL = 0.04239$$

$$BEC = 0.0275$$

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	125.01	0.0000	P	11.2
2	☐	0.500					
3	☐	5.000	3.860	21895.32	0.0031	P	3.6
4	☐	50.000	48.030	271561.61	0.0383	P	0.6
5	☐	125.000	120.990	680070.94	0.0964	P	0.6
6	☐	250.000	244.444	1373896.28	0.1948	P	0.3
7	☐	500.000	496.443	2782181.77	0.3955	P	0.3
8	☐	1000.000	1003.773	5609424.73	0.7997	A	1.7
9	☐			38709.06	0.0057	P	4.5

$$y = 7.9665\text{E-}004 * x + 1.7661\text{E-}005$$

$$R = 1.0000$$

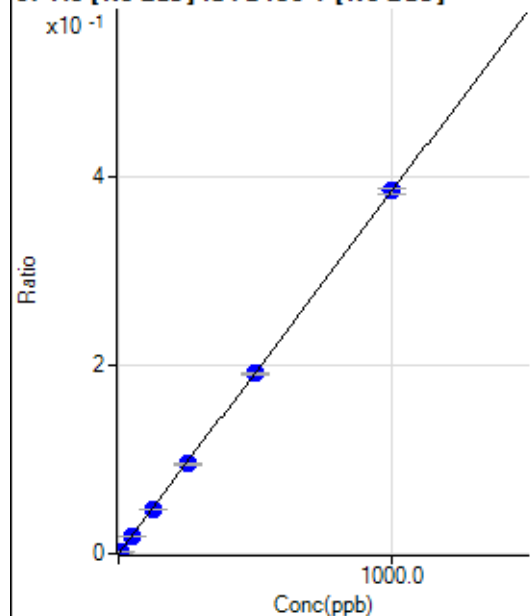
$$DL = 0.007463$$

$$BEC = 0.02217$$

Weight: <None>

Min Conc: 0

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



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	86.12	0.0000	P	24.4
2	☐	0.500					
3	☐	5.000	4.575	12508.84	0.0018	P	2.3
4	☐	50.000	48.262	131408.79	0.0185	P	0.9
5	☐	125.000	122.709	332125.26	0.0471	P	0.1
6	☐	250.000	247.901	670882.65	0.0951	P	0.9
7	☐	500.000	498.160	1344194.84	0.1911	P	0.8
8	☐	1000.000	1001.820	2695682.22	0.3843	P	1.3
9	☐			19767.27	0.0029	P	6.7

$$y = 3.8357\text{E-}004 * x + 1.2170\text{E-}005$$

$$R = 1.0000$$

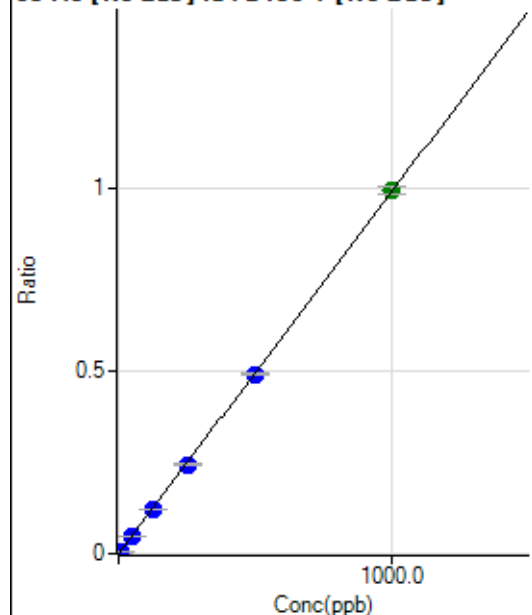
$$DL = 0.02325$$

$$BEC = 0.03173$$

Weight: <None>

Min Conc: 0

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



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	225.01	0.0000	P	26.3
2	☐	0.500					
3	☐	5.000	4.440	31343.68	0.0044	P	1.5
4	☐	50.000	47.730	335443.02	0.0473	P	1.2
5	☐	125.000	122.814	857934.47	0.1216	P	0.8
6	☐	250.000	246.363	1720876.67	0.2439	P	1.5
7	☐	500.000	495.825	3453223.08	0.4909	P	0.6
8	☐	1000.000	1003.386	6968218.82	0.9934	A	2.2
9	☐			50025.53	0.0073	P	7.3

$$y = 9.9003\text{E-}004 * x + 3.1823\text{E-}005$$

$$R = 1.0000$$

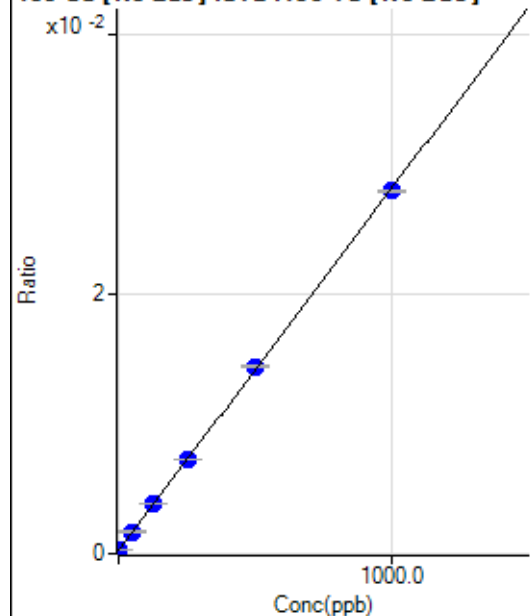
$$DL = 0.02538$$

$$BEC = 0.03214$$

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	1808.52	0.0002	P	4.8
2	☐	0.100					
3	☐	1.000	0.795	1991.89	0.0003	P	3.9
4	☐	50.000	52.489	13242.79	0.0017	P	1.0
5	☐	125.000	130.983	30414.11	0.0039	P	1.6
6	☐	250.000	252.423	56931.66	0.0073	P	0.8
7	☐	500.000	508.749	113412.72	0.0144	P	1.2
8	☐	1000.000	994.148	220288.66	0.0280	P	0.6
9	☐			1858.53	0.0002	P	9.3

$$y = 2.7910\text{E-}005 * x + 2.3324\text{E-}004$$

$$R = 0.9999$$

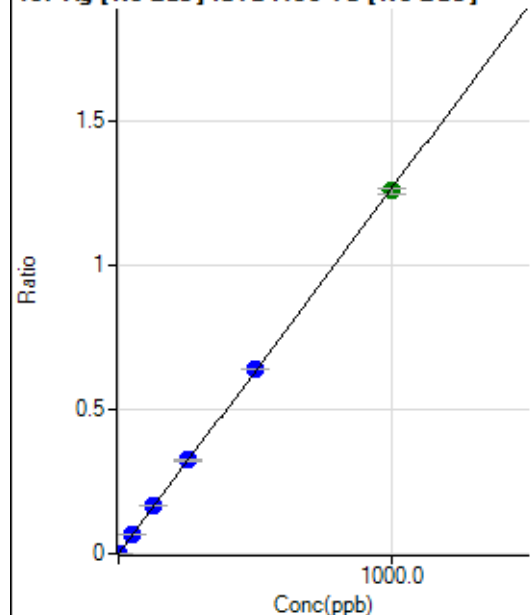
$$DL = 1.208$$

$$BEC = 8.357$$

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	38.89	0.0000	P	49.4
2	☐	0.100					
3	☐	1.000	0.947	9378.48	0.0012	P	2.1
4	☐	50.000	52.346	516139.60	0.0662	P	0.6
5	☐	125.000	130.746	1292828.97	0.1653	P	1.0
6	☐	250.000	256.208	2533908.39	0.3239	P	0.8
7	☐	500.000	506.371	5031177.46	0.6402	P	0.4
8	☐	1000.000	994.427	9898845.97	1.2573	A	1.4
9	☐			1205.67	0.0002	P	3.4

$$y = 0.0013 * x + 5.0084E-006$$

$$R = 0.9999$$

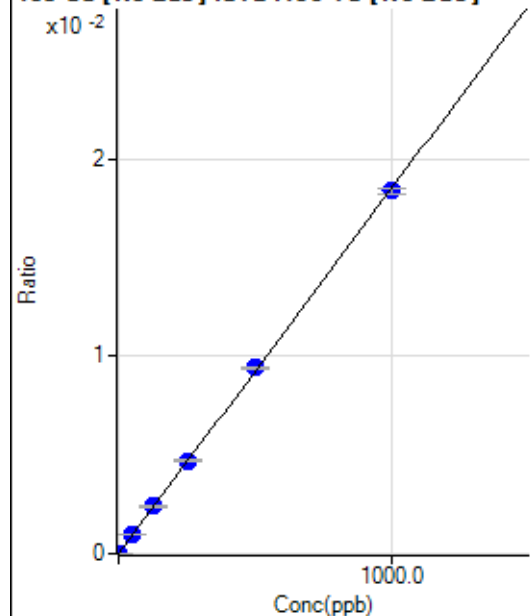
$$DL = 0.005865$$

$$BEC = 0.003961$$

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	5.56	0.0000	P	43.6
2	☐	0.100					
3	☐	1.000	1.116	166.67	0.0000	P	15.9
4	☐	50.000	53.464	7727.25	0.0010	P	0.7
5	☐	125.000	129.530	18766.88	0.0024	P	1.1
6	☐	250.000	254.461	36870.44	0.0047	P	0.9
7	☐	500.000	508.946	74080.07	0.0094	P	1.1
8	☐	1000.000	993.672	144898.13	0.0184	P	1.5
9	☐			59.72	0.0000	P	19.8

$$y = 1.8521E-005 * x + 7.1702E-007$$

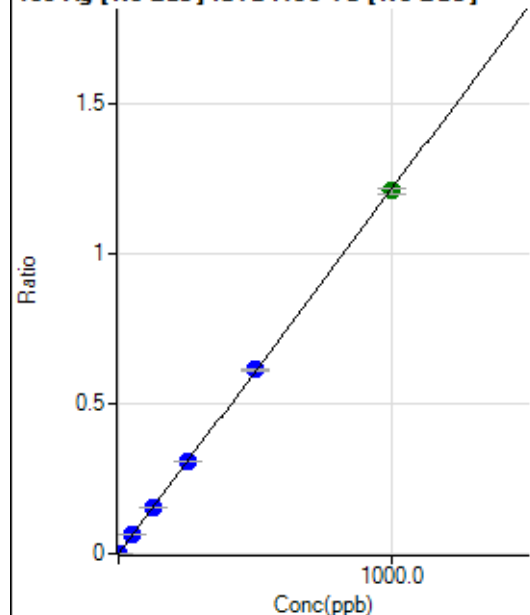
$$R = 0.9999$$

$$DL = 0.05064$$

$$BEC = 0.03871$$

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	25.00	0.0000	P	89.6
2	☐	0.100					
3	☐	1.000	0.946	8994.91	0.0012	P	6.4
4	☐	50.000	52.159	494789.31	0.0635	P	0.9
5	☐	125.000	128.712	1224496.50	0.1566	P	0.9
6	☐	250.000	255.016	2426565.55	0.3102	P	0.5
7	☐	500.000	505.218	4829463.74	0.6146	P	0.8
8	☐	1000.000	995.565	9534634.07	1.2111	A	1.3
9	☐			1208.44	0.0002	P	14.6

$$y = 0.0012 * x + 3.2446E-006$$

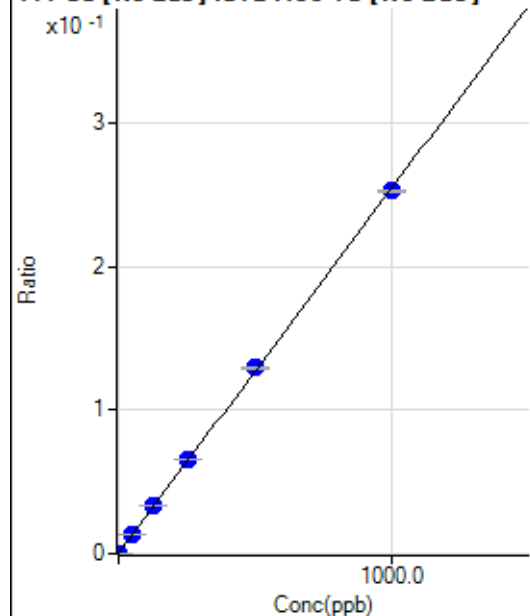
$$R = 1.0000$$

$$DL = 0.007171$$

$$BEC = 0.002667$$

Weight: <None>

Min Conc: 0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	1270.41	0.0002	P	4.3
2	☐	0.100					
3	☐	1.000	0.986	3230.60	0.0004	P	5.6
4	☐	50.000	52.020	104332.44	0.0134	P	0.6
5	☐	125.000	129.183	257956.31	0.0330	P	0.5
6	☐	250.000	256.518	511048.02	0.0653	P	0.2
7	☐	500.000	508.509	1016491.70	0.1294	P	0.5
8	☐	1000.000	993.492	1988480.27	0.2526	P	0.6
9	☐			1817.52	0.0002	P	2.7

$$y = 2.5405E-004 * x + 1.6383E-004$$

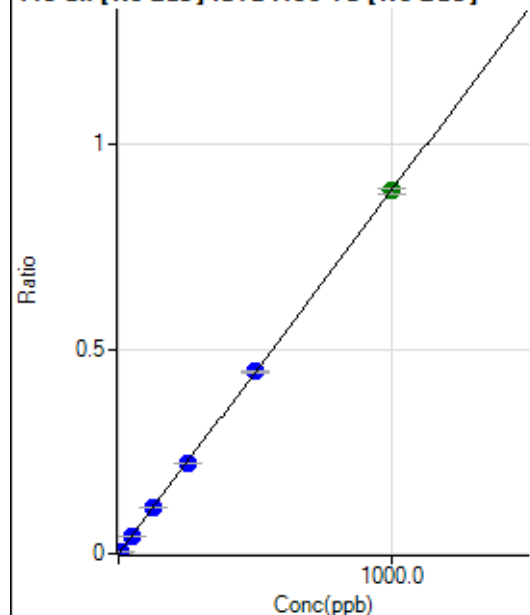
$$R = 0.9999$$

$$DL = 0.08282$$

$$BEC = 0.6449$$

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	516.70	0.0001	P	13.4
2	☐	0.500					
3	☐	5.000	4.671	32794.81	0.0042	P	0.4
4	☐	50.000	49.641	343584.23	0.0441	P	0.4
5	☐	125.000	124.863	865941.90	0.1107	P	0.4
6	☐	250.000	249.760	1731928.01	0.2214	P	0.4
7	☐	500.000	501.309	3491814.92	0.4443	P	0.6
8	☐	1000.000	999.443	6973810.31	0.8858	A	1.8
9	☐			9848.36	0.0013	P	10.7

$$y = 8.8624\text{E-}004 * x + 6.6684\text{E-}005$$

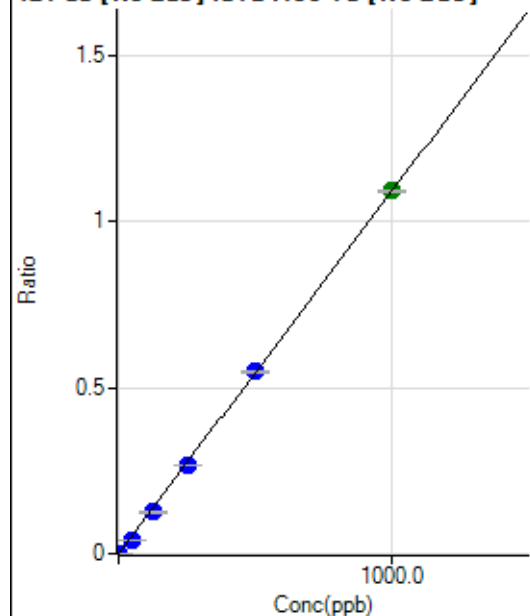
$$R = 1.0000$$

$$DL = 0.0303$$

$$BEC = 0.07524$$

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	166.68	0.0000	P	14.9
2	☐	0.200					
3	☐	2.000	1.840	15795.51	0.0020	P	1.0
4	☐	50.000	39.196	333088.10	0.0427	P	1.8
5	☐	125.000	114.593	976205.78	0.1248	P	2.1
6	☐	250.000	243.598	2075528.78	0.2653	P	0.6
7	☐	500.000	502.590	4301848.23	0.5474	P	0.4
8	☐	1000.000	1002.147	8593894.46	1.0915	A	0.9
9	☐			42440.55	0.0057	P	10.4

$$y = 0.0011 * x + 2.1518\text{E-}005$$

$$R = 0.9999$$

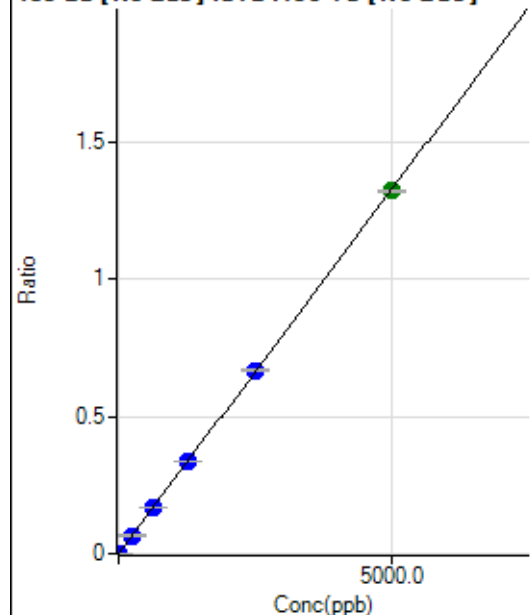
$$DL = 0.008817$$

$$BEC = 0.01976$$

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	50.00	0.0000	P	44.3
2	☐	1.000					
3	☐	10.000	9.652	20029.08	0.0026	P	3.9
4	☐	250.000	250.904	519536.21	0.0666	P	1.3
5	☐	625.000	626.942	1301884.73	0.1665	P	0.4
6	☐	1250.000	1264.725	2626716.46	0.3358	P	0.1
7	☐	2500.000	2522.296	5262772.08	0.6697	P	0.5
8	☐	5000.000	4984.884	10420728.62	1.3235	A	0.4
9	☐			3447.81	0.0005	P	2.5

$$y = 2.6551\text{E-}004 * x + 6.4455\text{E-}006$$

$$R = 1.0000$$

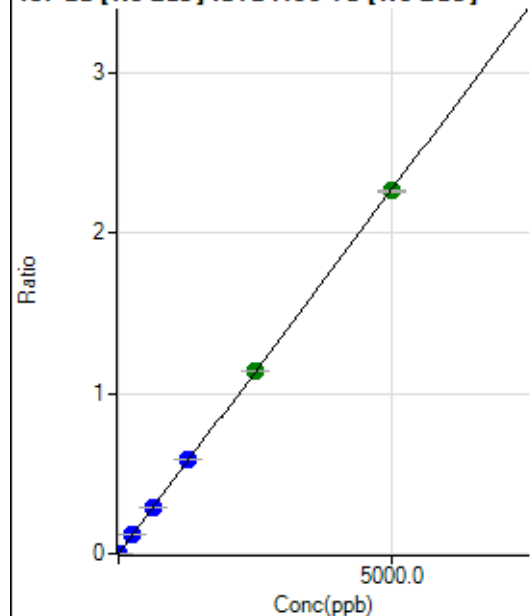
$$DL = 0.03229$$

$$BEC = 0.02428$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	50.00	0.0000	P	43.5
2	☐	1.000					
3	☐	10.000	9.989	35387.84	0.0045	P	1.3
4	☐	250.000	254.010	898780.26	0.1153	P	0.9
5	☐	625.000	637.227	2261245.63	0.2891	P	0.6
6	☐	1250.000	1286.817	4567208.04	0.5839	P	0.6
7	☐	2500.000	2504.318	8929339.96	1.1363	A	0.2
8	☐	5000.000	4986.908	17814907.69	2.2627	A	0.9
9	☐			6104.40	0.0008	P	5.6

$$y = 4.5373\text{E-}004 * x + 6.4340\text{E-}006$$

$$R = 1.0000$$

$$DL = 0.0185$$

$$BEC = 0.01418$$

Weight: <None>

Min Conc: 0

150 Nd [No Gas] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			4.45		P	86.6
2	☐						
3	☐			4.45		P	86.6
4	☐			33.34		P	60.0
5	☐			57.78		P	13.3
6	☐			131.12		P	25.1
7	☐			266.68		P	26.0
8	☐			448.91		P	2.3
9	☐			111.11		P	34.1

150 Nd [He] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			1.11		P	173.2
2	☐						
3	☐			1.11		P	173.2
4	☐			1.11		P	173.2
5	☐			10.00		P	33.3
6	☐			13.33		P	25.0
7	☐			21.11		P	18.2
8	☐			61.11		P	11.4
9	☐			40.00		P	8.3

156 Dy [No Gas] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			13.89		P	91.6
2	☐						
3	☐			8.33		P	0.0
4	☐			11.11		P	114.6
5	☐			13.89		P	124.9
6	☐			22.22		P	57.3
7	☐			75.00		P	11.1
8	☐			83.34		P	36.1
9	☐			136.12		P	19.7

156 Dy [He] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			3.33		P	173.2
2	☐						
3	☐			1.11		P	173.2
4	☐			4.45		P	86.6
5	☐			4.44		P	43.4
6	☐			2.22		P	173.2
7	☐			11.11		P	34.6
8	☐			28.89		P	37.1
9	☐			52.22		P	22.4

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			41.67		P	52.9
2	☐						
3	☐			44.45		P	39.0
4	☐			50.00		P	16.7
5	☐			25.00		P	33.3
6	☐			63.89		P	19.9
7	☐			55.56		P	22.9
8	☐			100.01		P	30.0
9	☐			152.79		P	16.7

160 Gd [He] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			20.00		P	44.1
2	☐						
3	☐			25.56		P	64.3
4	☐			20.00		P	0.0
5	☐			24.44		P	51.6
6	☐			26.67		P	25.0
7	☐			23.34		P	49.5
8	☐			40.00		P	36.3
9	☐			73.33		P	16.4

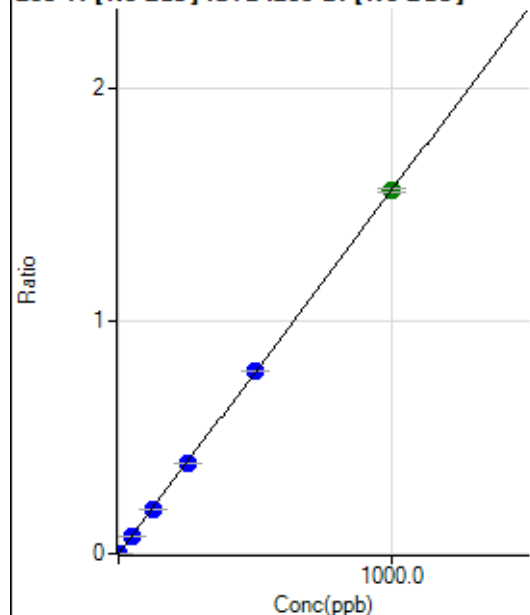
164 Er [No Gas] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			19.45		P	24.7
2	☐						
3	☐			50.00		P	16.7
4	☐			25.00		P	33.3
5	☐			36.11		P	48.0
6	☐			44.45		P	75.8
7	☐			19.44		P	49.5
8	☐			36.11		P	48.0
9	☐			41.67		P	52.9

164 Er [He] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			7.78		P	65.5
2	☐						
3	☐			25.56		P	54.3
4	☐			14.45		P	74.2
5	☐			8.89		P	114.5
6	☐			20.00		P	44.1
7	☐			17.78		P	10.8
8	☐			18.89		P	10.2
9	☐			31.11		P	32.7

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	75.00	0.0000	P	32.9
2	☐	0.100					
3	☐	1.000	0.920	6554.69	0.0015	P	4.9
4	☐	50.000	49.833	352679.29	0.0779	P	1.3
5	☐	125.000	123.496	883775.69	0.1931	P	0.7
6	☐	250.000	248.458	1785266.99	0.3886	P	0.3
7	☐	500.000	503.094	3557542.01	0.7868	P	0.2
8	☐	1000.000	999.035	6989285.05	1.5624	A	1.0
9	☐			3267.22	0.0008	P	9.7

$$y = 0.0016 * x + 1.6438E-005$$

$$R = 1.0000$$

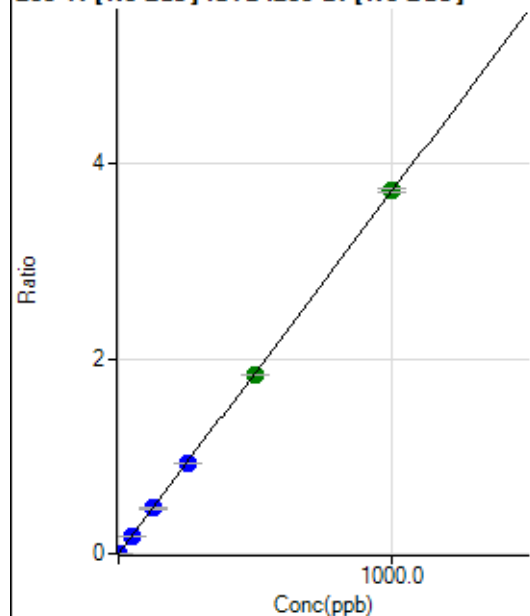
$$DL = 0.01036$$

$$BEC = 0.01051$$

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	155.56	0.0000	P	29.5
2	☐	0.100					
3	☐	1.000	0.973	16430.24	0.0037	P	4.2
4	☐	50.000	50.070	842169.22	0.1861	P	0.2
5	☐	125.000	125.409	2133062.81	0.4662	P	1.0
6	☐	250.000	249.705	4264507.52	0.9282	P	0.2
7	☐	500.000	495.109	8321271.28	1.8404	A	0.5
8	☐	1000.000	1002.465	16669329.36	3.7262	A	0.9
9	☐			8094.48	0.0020	P	4.8

$$y = 0.0037 * x + 3.4127E-005$$

$$R = 1.0000$$

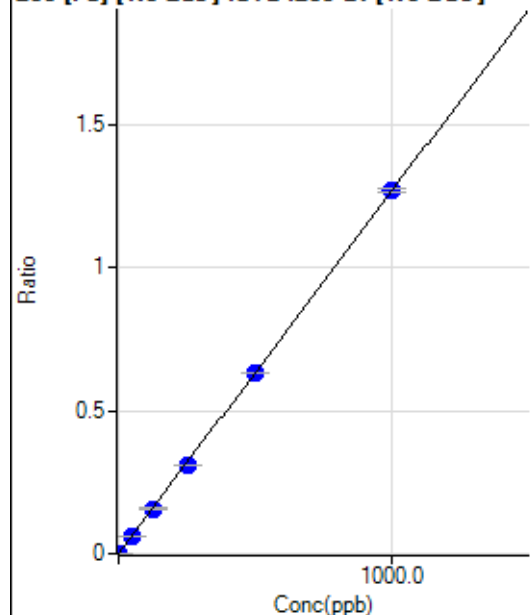
$$DL = 0.008139$$

$$BEC = 0.009181$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	564.85	0.0001	P	3.3
2	☐	0.100					
3	☐	1.000	0.985	6181.25	0.0014	P	4.1
4	☐	50.000	49.296	283418.99	0.0626	P	0.7
5	☐	125.000	124.116	720794.77	0.1575	P	1.6
6	☐	250.000	246.029	1434149.99	0.3122	P	0.2
7	☐	500.000	499.102	2862634.35	0.6331	P	0.4
8	☐	1000.000	1001.587	5683134.39	1.2704	P	1.0
9	☐			11525.68	0.0029	P	1.3

$$y = 0.0013 * x + 1.2392E-004$$

$$R = 1.0000$$

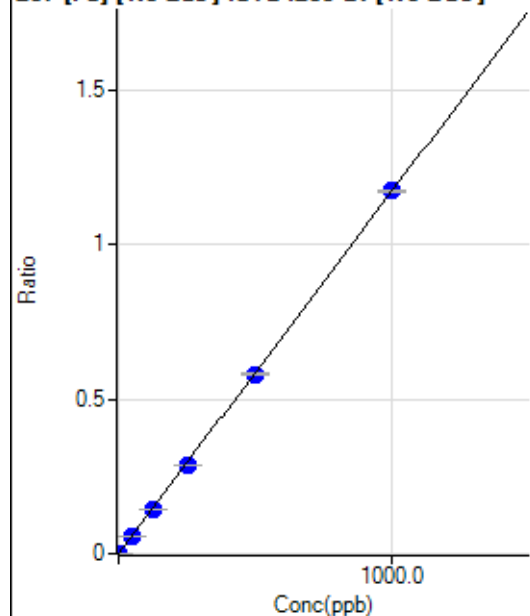
$$DL = 0.009811$$

$$BEC = 0.09771$$

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	503.73	0.0001	P	8.7
2	☐	0.100					
3	☐	1.000	0.948	5497.60	0.0012	P	5.0
4	☐	50.000	49.477	262789.50	0.0581	P	0.3
5	☐	125.000	123.409	662135.97	0.1447	P	1.2
6	☐	250.000	245.254	1320826.72	0.2875	P	0.4
7	☐	500.000	496.876	2632886.78	0.5823	P	1.0
8	☐	1000.000	1002.973	5257826.10	1.1753	P	0.8
9	☐			10563.75	0.0026	P	3.1

$$y = 0.0012 * x + 1.1049E-004$$

$$R = 1.0000$$

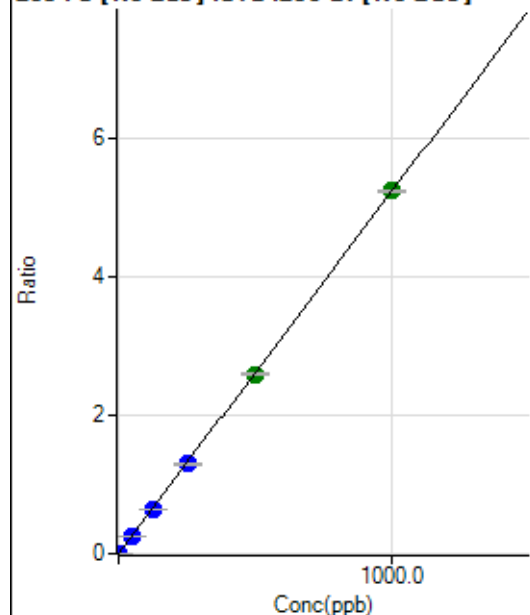
$$DL = 0.02451$$

$$BEC = 0.0943$$

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	2261.26	0.0005	P	6.9
2	☐	0.100					
3	☐	1.000	0.960	24774.48	0.0055	P	1.9
4	☐	50.000	49.462	1169550.40	0.2585	P	0.2
5	☐	125.000	123.608	2952495.23	0.6453	P	0.9
6	☐	250.000	247.077	5923650.83	1.2893	P	0.2
7	☐	500.000	496.700	11717072.14	2.5914	A	0.7
8	☐	1000.000	1002.582	23397654.75	5.2302	A	0.6
9	☐			46977.96	0.0117	P	1.3

$$y = 0.0052 * x + 4.9593E-004$$

$$R = 1.0000$$

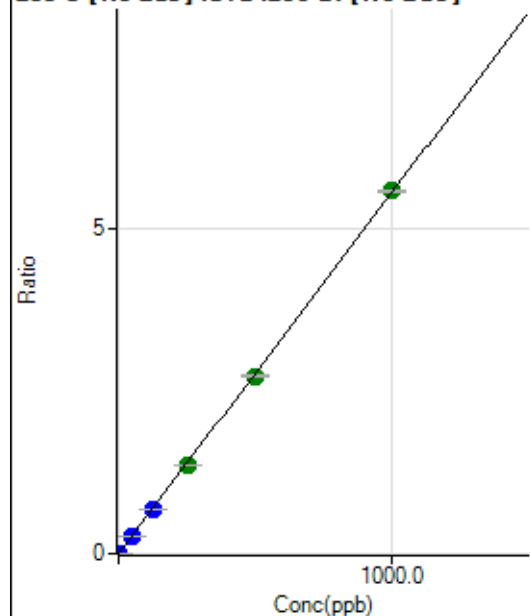
$$DL = 0.01974$$

$$BEC = 0.09507$$

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	247.24	0.0001	P	6.5
2	☐	0.100					
3	☐	1.000	0.976	24671.55	0.0055	P	2.2
4	☐	50.000	48.865	1229152.91	0.2717	P	0.0
5	☐	125.000	123.238	3134826.96	0.6851	P	0.3
6	☐	250.000	243.848	6227656.43	1.3555	A	0.9
7	☐	500.000	490.905	12339286.82	2.7289	A	1.1
8	☐	1000.000	1006.363	25025769.48	5.5941	A	0.3
9	☐			5926.61	0.0015	P	7.0

$$y = 0.0056 * x + 5.4224E-005$$

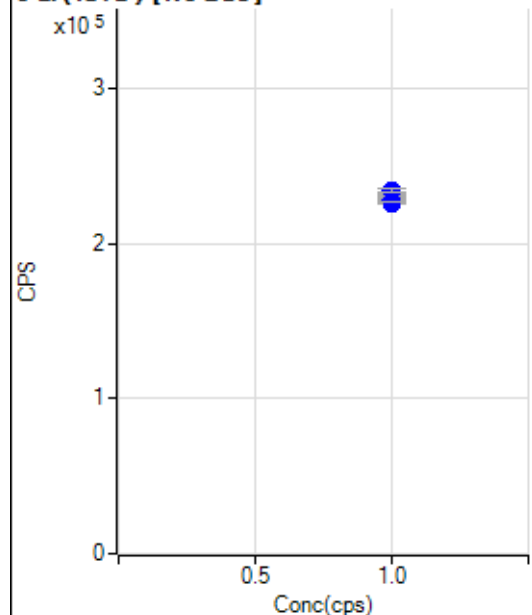
$$R = 0.9999$$

$$DL = 0.001891$$

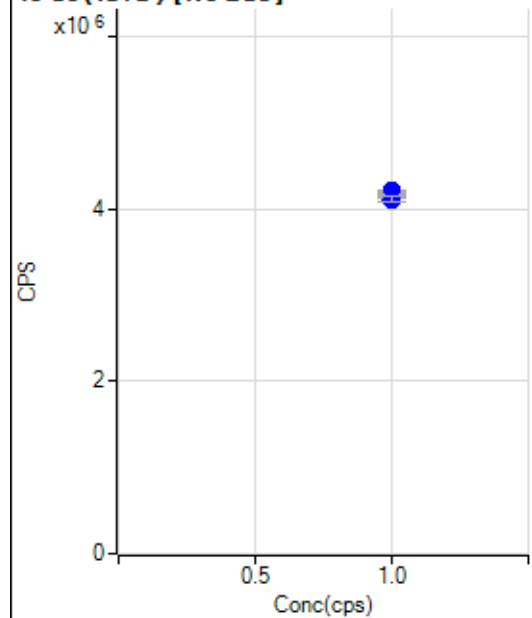
$$BEC = 0.009755$$

Weight: <None>

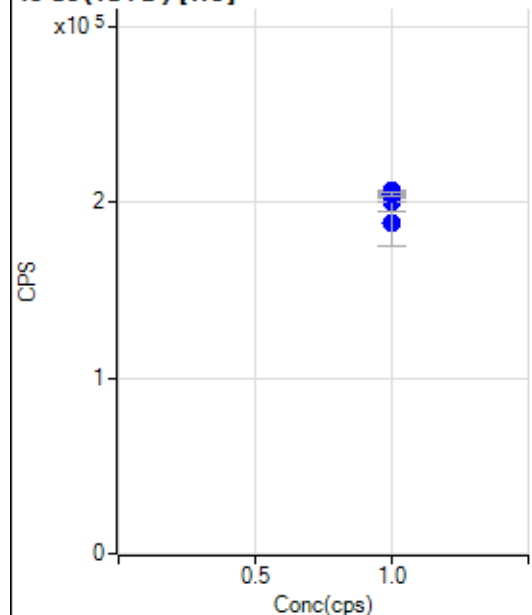
Min Conc: 0

6 Li (ISTD) [No Gas]

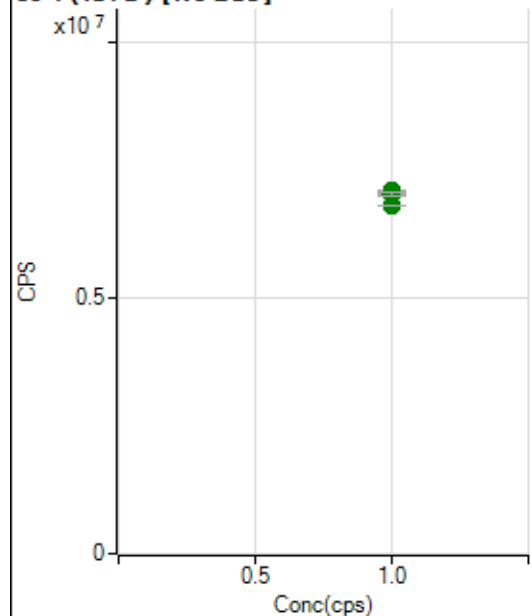
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		226150.40		P	0.4
2	☐	1.000					
3	☐	1.000		227634.64		P	0.4
4	☐	1.000		229499.09		P	0.6
5	☐	1.000		229921.12		P	0.6
6	☐	1.000		228965.55		P	1.2
7	☐	1.000		231203.11		P	0.7
8	☐	1.000		234145.63		P	0.9
9	☐	1.000		227234.04		P	0.2

45 Sc (ISTD) [No Gas]

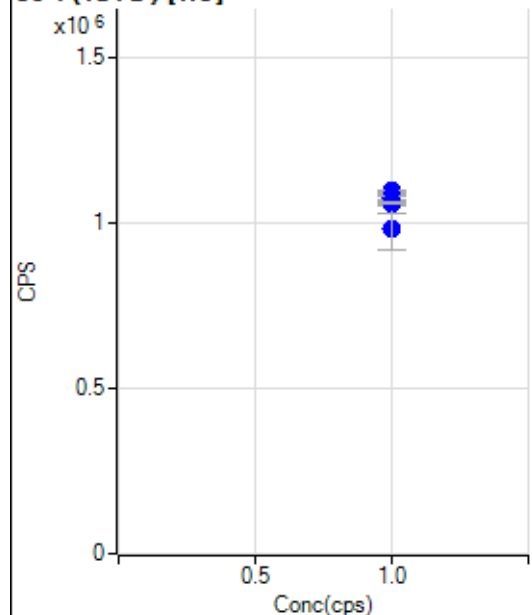
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		4192179.69		P	1.1
2	☐	1.000					
3	☐	1.000		4211537.42		P	0.5
4	☐	1.000		4212410.99		P	0.6
5	☐	1.000		4211927.52		P	0.3
6	☐	1.000		4171128.70		P	0.6
7	☐	1.000		4146044.41		P	0.3
8	☐	1.000		4160591.54		P	0.3
9	☐	1.000		4116075.74		P	1.6

45 Sc (ISTD) [He]

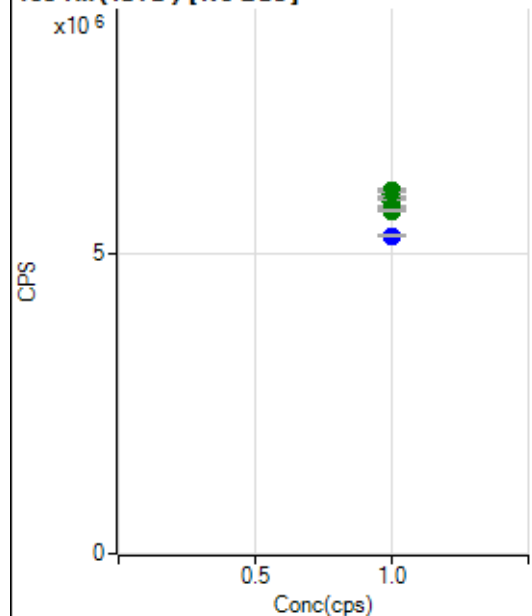
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		204682.38		P	0.2
2	☐	1.000					
3	☐	1.000		206511.42		P	0.6
4	☐	1.000		200098.85		P	5.5
5	☐	1.000		206440.90		P	0.3
6	☐	1.000		203384.65		P	0.6
7	☐	1.000		187762.28		P	13.6
8	☐	1.000		206192.37		P	0.3
9	☐	1.000		204636.06		P	0.8

89 Y (ISTD) [No Gas]

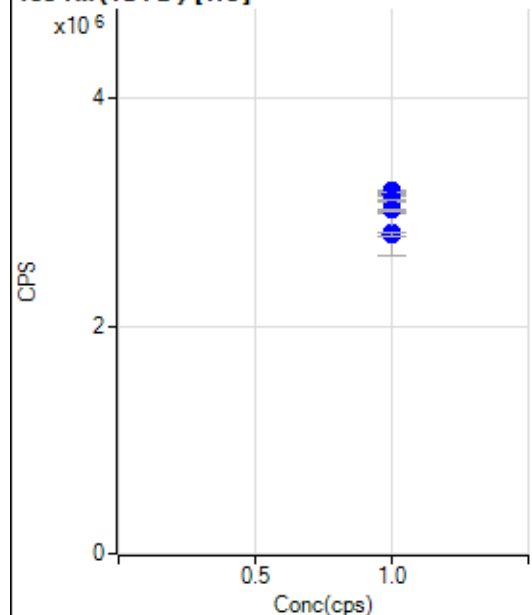
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		7076403.30		A	0.6
2	☐	1.000					
3	☐	1.000		7078378.37		A	0.5
4	☐	1.000		7093870.87		A	0.2
5	☐	1.000		7054511.35		A	1.0
6	☐	1.000		7054501.21		A	0.1
7	☐	1.000		7034399.48		A	0.3
8	☐	1.000		7015449.20		A	1.0
9	☐	1.000		6820923.23		A	0.1

89 Y (ISTD) [He]

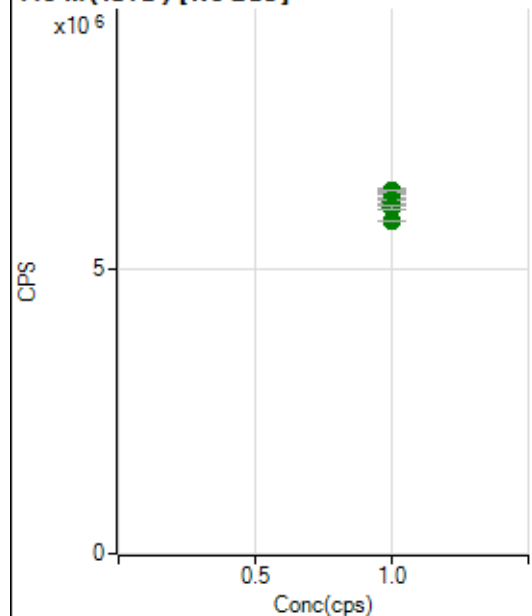
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		1085456.91		P	0.6
2	☐	1.000					
3	☐	1.000		1085817.68		P	0.2
4	☐	1.000		1059203.08		P	5.1
5	☐	1.000		1098617.92		P	0.7
6	☐	1.000		1082629.44		P	0.4
7	☐	1.000		985065.83		P	13.5
8	☐	1.000		1078315.37		P	0.9
9	☐	1.000		1063486.75		P	0.6

103 Rh (ISTD) [No Gas]

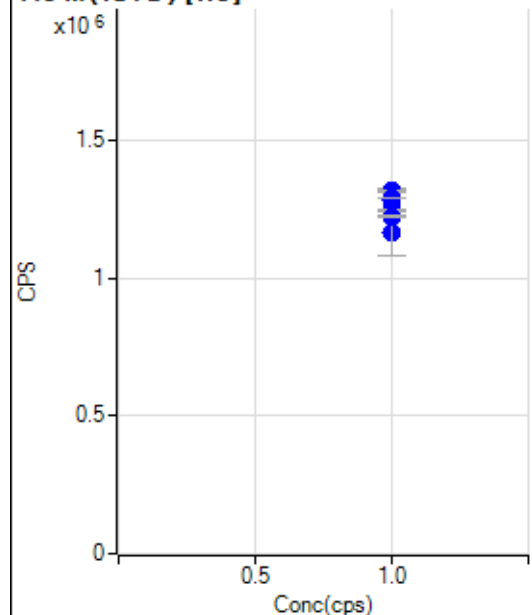
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		6043869.80		A	1.1
2	☐	1.000					
3	☐	1.000		6023436.72		A	0.5
4	☐	1.000		5993040.85		A	0.9
5	☐	1.000		5937203.74		A	0.3
6	☐	1.000		5856056.68		A	1.6
7	☐	1.000		5764444.09		A	0.6
8	☐	1.000		5714546.79		A	0.4
9	☐	1.000		5288524.73		P	0.5

103 Rh (ISTD) [He]

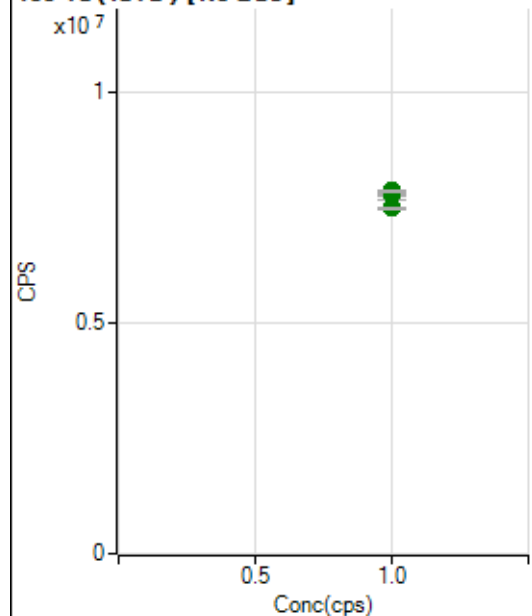
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		3172579.85		P	0.2
2	☐	1.000					
3	☐	1.000		3189672.42		P	0.5
4	☐	1.000		3086567.56		P	5.8
5	☐	1.000		3162978.22		P	0.8
6	☐	1.000		3103500.82		P	0.2
7	☐	1.000		2815023.99		P	13.9
8	☐	1.000		3019880.96		P	0.5
9	☐	1.000		2806630.86		P	0.7

115 In (ISTD) [No Gas]

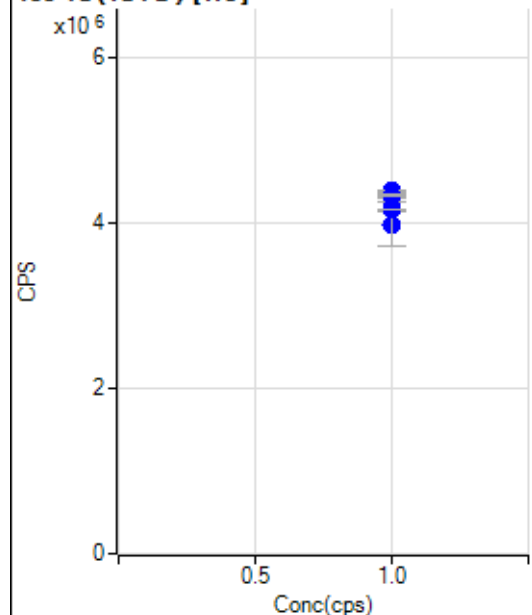
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		6380241.23		A	0.7
2	☐	1.000					
3	☐	1.000		6375566.13		A	1.3
4	☐	1.000		6376062.76		A	0.3
5	☐	1.000		6383765.66		A	0.2
6	☐	1.000		6235004.01		A	0.3
7	☐	1.000		6199135.77		A	0.9
8	☐	1.000		6086309.25		A	0.9
9	☐	1.000		5852713.75		A	0.3

115 In (ISTD) [He]

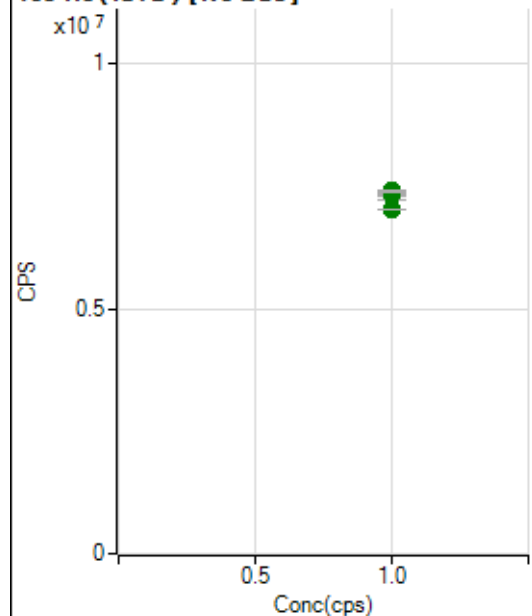
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		1318483.02		P	0.3
2	☐	1.000					
3	☐	1.000		1318777.31		P	0.5
4	☐	1.000		1286926.71		P	6.2
5	☐	1.000		1315734.65		P	0.6
6	☐	1.000		1295204.77		P	0.1
7	☐	1.000		1165960.21		P	13.7
8	☐	1.000		1248194.58		P	0.4
9	☐	1.000		1226411.46		P	0.2

159 Tb (ISTD) [No Gas]

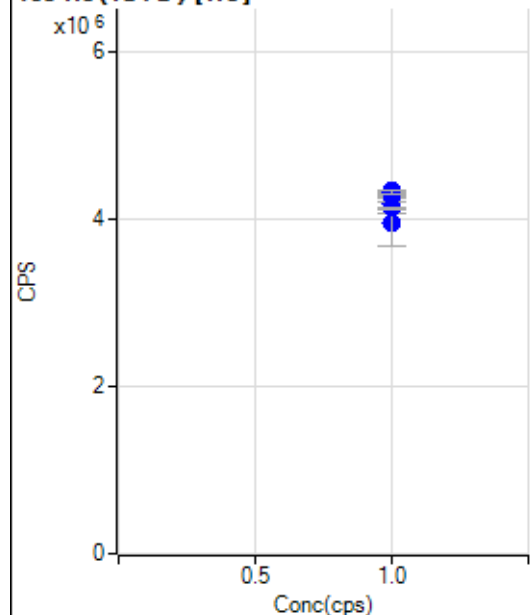
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		7758506.97		A	1.8
2	☐	1.000					
3	☐	1.000		7797359.54		A	0.9
4	☐	1.000		7797963.98		A	0.6
5	☐	1.000		7820794.40		A	0.8
6	☐	1.000		7822136.69		A	0.3
7	☐	1.000		7858300.86		A	0.3
8	☐	1.000		7873277.59		A	0.5
9	☐	1.000		7497242.67		A	0.4

159 Tb (ISTD) [He]

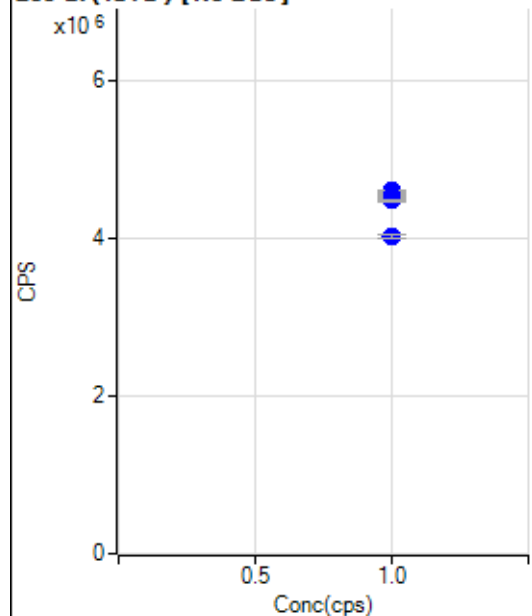
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		4321714.17		P	0.5
2	☐	1.000					
3	☐	1.000		4325952.12		P	0.2
4	☐	1.000		4247158.65		P	5.5
5	☐	1.000		4386100.46		P	0.6
6	☐	1.000		4334968.93		P	0.5
7	☐	1.000		3985418.97		P	13.7
8	☐	1.000		4335424.52		P	0.5
9	☐	1.000		4160754.59		P	0.4

165 Ho (ISTD) [No Gas]

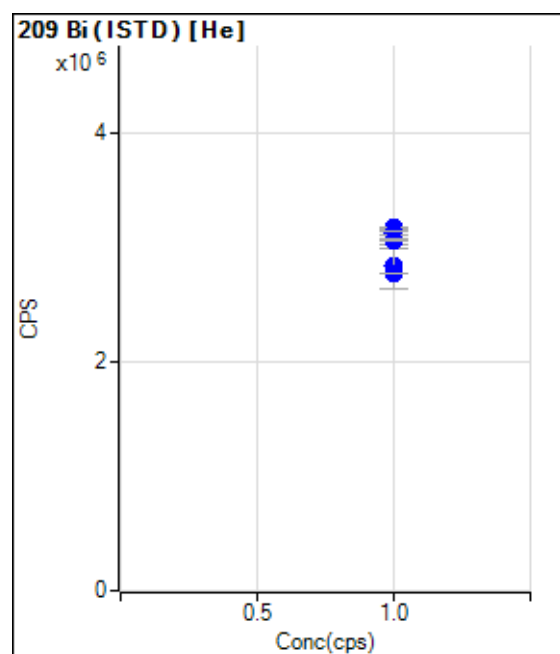
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		7396656.24		A	0.9
2	☐	1.000					
3	☐	1.000		7288092.35		A	1.3
4	☐	1.000		7352583.15		A	0.5
5	☐	1.000		7356671.17		A	1.0
6	☐	1.000		7359431.16		A	0.8
7	☐	1.000		7393695.04		A	0.4
8	☐	1.000		7411832.89		A	0.7
9	☐	1.000		7028852.50		A	0.4

165 Ho (ISTD) [He]

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		4271036.71		P	1.3
2	☐	1.000					
3	☐	1.000		4266987.16		P	0.5
4	☐	1.000		4178474.80		P	5.4
5	☐	1.000		4334175.66		P	0.6
6	☐	1.000		4283896.71		P	0.7
7	☐	1.000		3944177.89		P	13.7
8	☐	1.000		4311680.67		P	1.0
9	☐	1.000		4126174.00		P	0.6

209 Bi (ISTD) [No Gas]

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		4558542.81		P	0.7
2	☐	1.000					
3	☐	1.000		4500525.45		P	1.2
4	☐	1.000		4524277.64		P	0.8
5	☐	1.000		4575746.46		P	0.5
6	☐	1.000		4594474.06		P	0.9
7	☐	1.000		4521620.38		P	0.6
8	☐	1.000		4473578.61		P	0.2
9	☐	1.000		4020020.98		P	1.2



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		3165598.88		P	0.7
2	☐	1.000					
3	☐	1.000		3176866.79		P	0.7
4	☐	1.000		3082513.50		P	5.3
5	☐	1.000		3175573.11		P	0.6
6	☐	1.000		3131292.28		P	0.7
7	☐	1.000		2838279.84		P	13.1
8	☐	1.000		3068061.45		P	0.5
9	☐	1.000		2783944.09		P	0.2