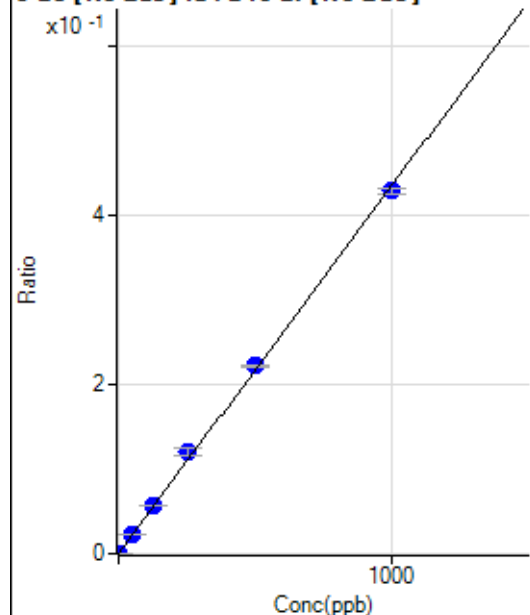


Batch Folder: D:\Agilent\ICPMH\1\DATA\P8101520 MS.b\
Analysis File: P8101520 MS.batch.bin
DA Date-Time: 2020-10-16 00:42:27
Calibration Title:
Calibration Method: External Calibration
VIS Interpolation Fit:

Level	Standard Data File	Sample Name	Acq. Date-Time
1	003CALB.d	S00	2020-10-15 14:54:13
2	004CALS.d	S02	2020-10-15 14:57:25
3	005CALS.d	S03	2020-10-15 15:00:33
4	006CALS.d	S04	2020-10-15 15:03:42
5	007CALS.d	S05	2020-10-15 15:06:44
6	008CALS.d	S06	2020-10-15 15:09:45
7	009CALS.d	S07	2020-10-15 15:12:43
8	010CALS.d	S08	2020-10-15 15:15:43

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	84.65	0.0001	P	7.2
2	☐	1.000	0.903	619.89	0.0005	P	5.7
3	☐	50.000	52.261	31009.61	0.0228	P	1.0
4	☐	125.000	131.840	79090.38	0.0573	P	1.2
5	☐	250.000	278.497	163164.71	0.1210	P	8.1
6	☐	500.000	510.239	313983.13	0.2217	P	1.7
7	☐	1000.000	986.788	616161.88	0.4288	P	1.6
8	☐			311.28	0.0002	P	4.5

$$y = 4.3443\text{E-}004 * x + 6.1959\text{E-}005$$

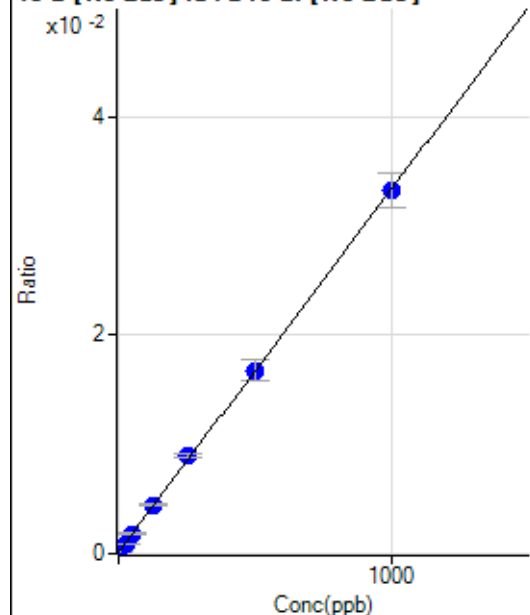
$$R = 0.9995$$

$$DL = 0.0306$$

$$BEC = 0.1426$$

Weight: <None>

Min Conc: 0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	183.30	0.0001	P	12.8
2	☐	25.000	22.207	1191.15	0.0009	P	4.9
3	☐	50.000	51.355	2507.06	0.0018	P	11.4
4	☐	125.000	130.914	6192.09	0.0045	P	6.3
5	☐	250.000	264.777	12103.28	0.0089	P	3.2
6	☐	500.000	500.935	23773.21	0.0168	P	11.3
7	☐	1000.000	995.101	47730.38	0.0332	P	9.5
8	☐			7167.69	0.0051	P	12.8

$$y = 3.3263\text{E-}005 * x + 1.3391\text{E-}004$$

$$R = 0.9999$$

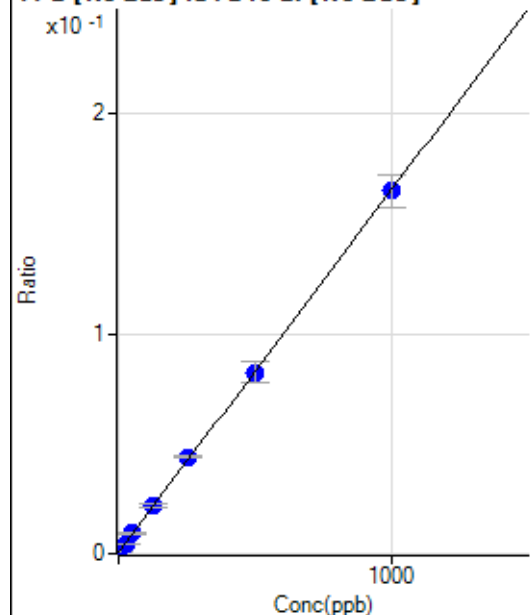
$$DL = 1.542$$

$$BEC = 4.026$$

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	851.86	0.0006	P	2.9
2	☐	25.000	22.379	5885.36	0.0043	P	9.9
3	☐	50.000	52.011	12514.86	0.0092	P	9.8
4	☐	125.000	128.641	30107.54	0.0218	P	10.0
5	☐	250.000	263.978	59738.48	0.0441	P	3.2
6	☐	500.000	497.508	116933.65	0.0826	P	10.8
7	☐	1000.000	997.261	236933.70	0.1650	P	9.2
8	☐			35174.39	0.0248	P	11.7

$$y = 1.6480\text{E-}004 * x + 6.2350\text{E-}004$$

$$R = 0.9999$$

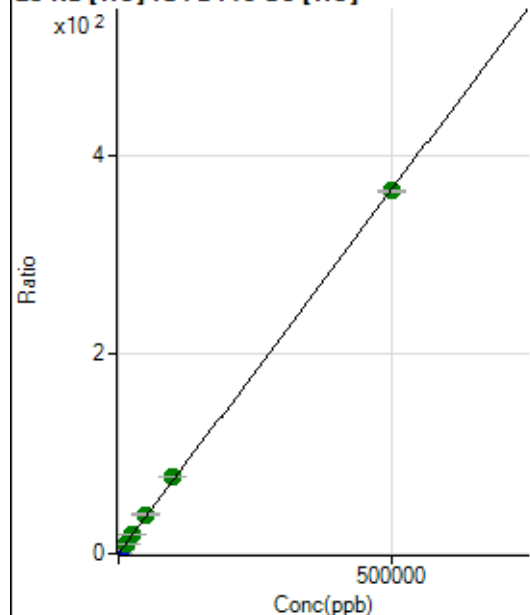
$$DL = 0.327$$

$$BEC = 3.783$$

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	30448.93	0.2282	P	1.7
2	☐	500.000	500.952	79611.47	0.5936	P	1.1
3	☐	5000.000	5522.373	572603.66	4.2557	P	0.3
4	☐	12500.000	13502.246	1375845.68	10.0755	A	2.0
5	☐	25000.000	27244.122	2730576.10	20.0976	A	0.8
6	☐	50000.000	53722.630	5309084.89	39.4086	A	2.7
7	☐	100000.00	104967.47	10367647.71	76.7819	A	1.6
8	☐	500000.00	498491.75	49719318.82	363.7825	A	0.6

$$y = 7.2931\text{E-}004 * x + 0.2282$$

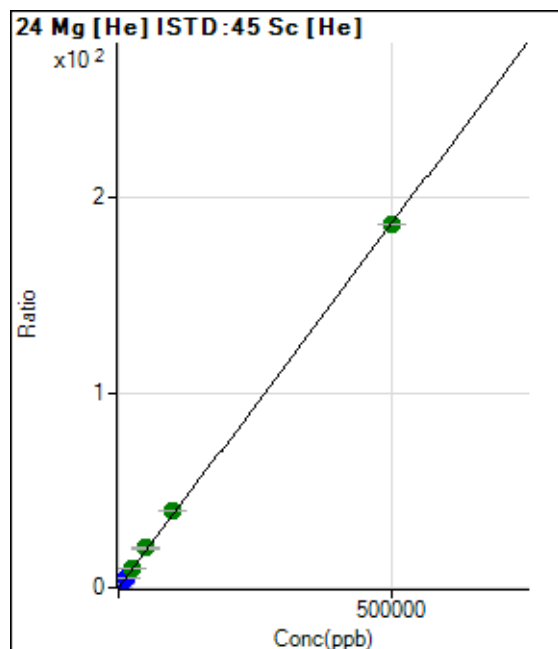
$$R = 0.9999$$

$$DL = 15.58$$

$$BEC = 312.9$$

Weight: <None>

Min Conc: 0



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	516.69	0.0039	P	13.6
2	☐	500.000	502.994	25739.98	0.1919	P	2.6
3	☐	5000.000	5597.726	282090.23	2.0966	P	0.8
4	☐	12500.000	13907.762	710529.49	5.2033	P	0.2
5	☐	25000.000	27529.103	1398768.49	10.2956	A	0.9
6	☐	50000.000	54453.528	2743245.38	20.3613	A	1.5
7	☐	100000.00	105580.04	5330263.40	39.4750	A	1.4
8	☐	500000.00	498271.00	25459579.74	186.2825	A	0.0

$$y = 3.7385E-004 * x + 0.0039$$

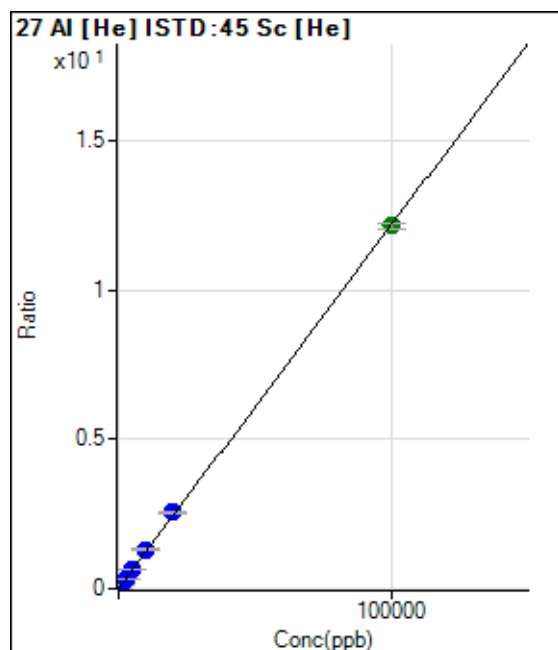
R = 0.9999

DL = 4.228

BEC = 10.37

Weight: <None>

Min Conc: 0



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	310.38	0.0023	P	10.3
2	☐	20.000	19.686	634.10	0.0047	P	6.1
3	☐	1000.000	1091.413	18215.75	0.1354	P	0.6
4	☐	2500.000	2706.382	45372.79	0.3323	P	1.5
5	☐	5000.000	5469.589	90904.39	0.6691	P	1.5
6	☐	10000.000	10790.435	177548.95	1.3178	P	1.4
7	☐	20000.000	20964.871	345444.91	2.5582	P	1.0
8	☐	100000.00	99698.429	1661512.43	12.1568	A	1.6

$$y = 1.2191E-004 * x + 0.0023$$

R = 0.9999

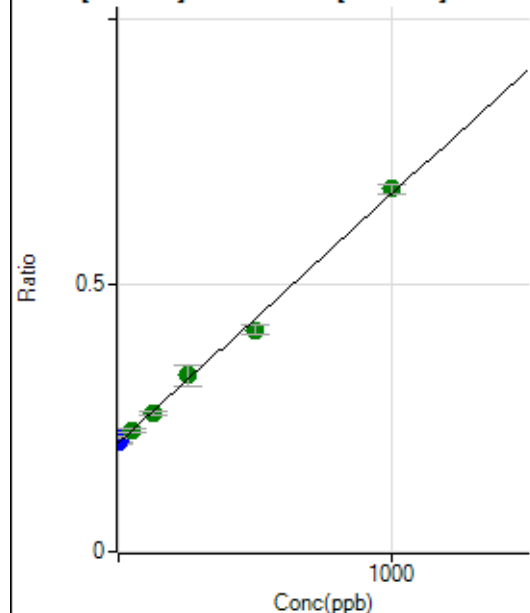
DL = 5.911

BEC = 19.1

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	795366.57	0.2046	P	1.1
2	☐	10.000	20.814	820676.42	0.2143	P	1.0
3	☐	50.000	47.830	886544.44	0.2270	A	2.8
4	☐	125.000	120.270	1024072.96	0.2608	A	2.8
5	☐	250.000	268.814	1234624.36	0.3301	A	11.2
6	☐	500.000	452.775	1638493.10	0.4160	A	4.0
7	☐	1000.000	1019.501	2721686.21	0.6805	A	2.9
8	☐			865068.66	0.2168	A	1.1

$$y = 4.6672E-004 * x + 0.2046$$

$$R = 0.9981$$

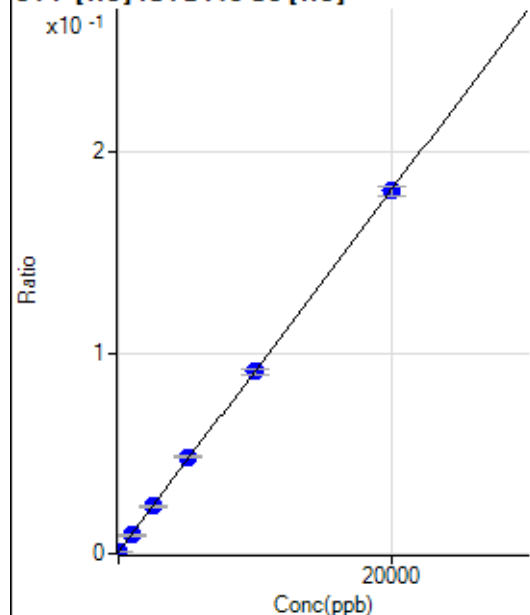
$$DL = 13.85$$

$$BEC = 438.4$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	-8.855	127.78	0.0010	P	14.8
2	☐	0.000	8.855	150.00	0.0011	P	33.8
3	☐	1000.000	923.505	1258.42	0.0094	P	11.1
4	☐	2500.000	2496.522	3211.56	0.0235	P	3.7
5	☐	5000.000	5228.678	6537.77	0.0481	P	2.1
6	☐	10000.000	9978.165	12247.12	0.0909	P	2.9
7	☐	20000.000	19958.008	24404.31	0.1807	P	2.3
8	☐			130.56	0.0010	P	3.6

$$y = 9.0044E-006 * x + 0.0010$$

$$R = 0.9999$$

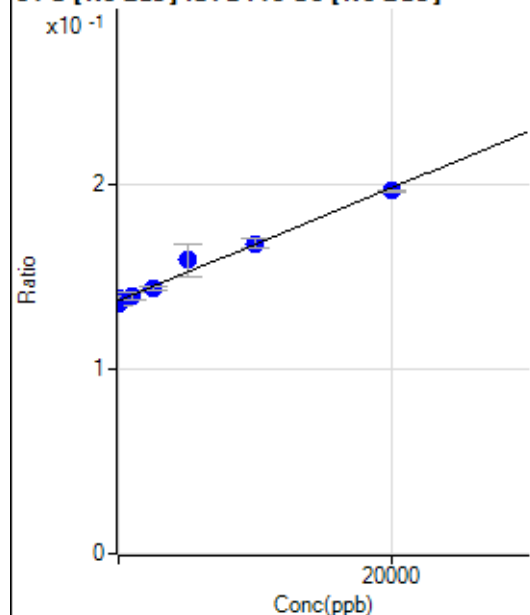
$$DL = 86.51$$

$$BEC = 115.3$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	-518.780	525430.22	0.1352	P	1.0
2	☐	0.000	518.780	529674.56	0.1383	P	1.3
3	☐	1000.000	721.237	542797.05	0.1390	P	2.9
4	☐	2500.000	2044.448	561634.10	0.1430	P	1.5
5	☐	5000.000	7193.307	593544.45	0.1587	P	11.1
6	☐	10000.000	10169.219	660965.58	0.1678	P	2.9
7	☐	20000.000	19437.946	784029.31	0.1960	P	0.3
8	☐			511407.47	0.1282	P	1.6

$$y = 3.0484\text{E-}006 * x + 0.1368$$

$$R = 0.9909$$

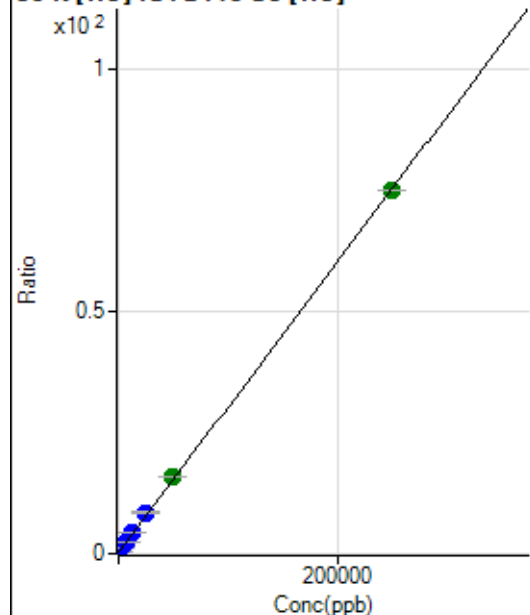
$$DL = 1568$$

$$BEC = 4.486\text{E}+04$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	26900.50	0.2016	P	2.6
2	☐	500.000	482.144	46394.63	0.3459	P	1.1
3	☐	2500.000	2760.272	138259.07	1.0276	P	0.7
4	☐	6250.000	6866.048	308077.34	2.2561	P	0.6
5	☐	12500.000	14025.646	597534.99	4.3984	P	1.5
6	☐	25000.000	27670.459	1142677.11	8.4812	P	1.5
7	☐	50000.000	52473.078	2147574.96	15.9026	A	0.5
8	☐	250000.00	249144.08	10216300.66	74.7505	A	0.1

$$y = 2.9922\text{E-}004 * x + 0.2016$$

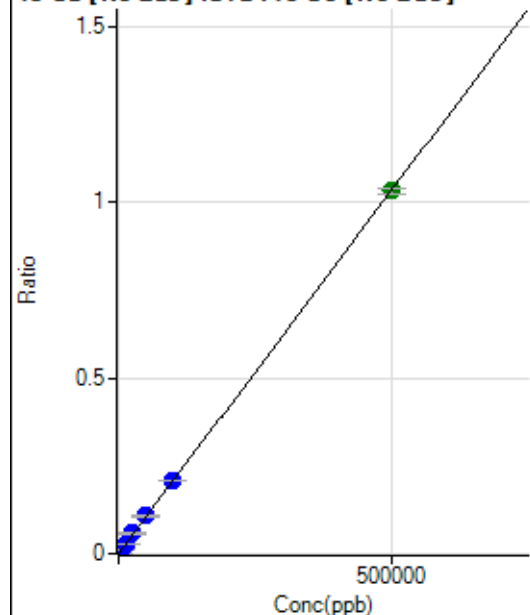
$$R = 0.9999$$

$$DL = 52.79$$

$$BEC = 673.9$$

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	277.05	0.0001	P	3.2
2	☐	500.000	482.979	4093.42	0.0011	P	0.8
3	☐	5000.000	5183.222	42109.63	0.0108	P	2.6
4	☐	12500.000	13082.934	106446.68	0.0271	P	1.1
5	☐	25000.000	28090.593	217442.52	0.0581	P	10.3
6	☐	50000.000	51947.567	423116.46	0.1074	P	2.8
7	☐	100000.00	101269.13	837127.66	0.2093	P	0.6
8	☐	500000.00	499380.49	4116630.43	1.0318	A	1.4

$$y = 2.0660\text{E-}006 * x + 7.1267\text{E-}005$$

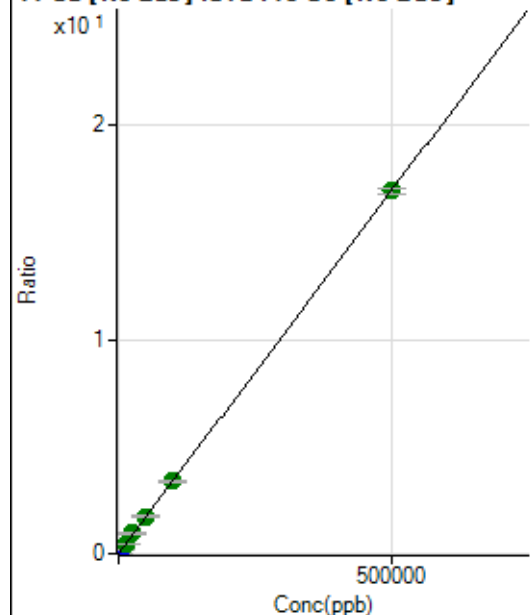
$$R = 1.0000$$

$$DL = 3.354$$

$$BEC = 34.49$$

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	18921.30	0.0049	P	1.3
2	☐	500.000	488.222	81985.98	0.0214	P	0.9
3	☐	5000.000	5216.051	709430.89	0.1816	P	3.2
4	☐	12500.000	13034.962	1753998.93	0.4466	A	2.1
5	☐	25000.000	28286.277	3605001.85	0.9634	A	10.5
6	☐	50000.000	51490.819	6893820.68	1.7498	A	2.9
7	☐	100000.00	99329.497	13483312.00	3.3710	A	0.7
8	☐	500000.00	499805.18	67594355.81	16.9424	A	1.6

$$y = 3.3888\text{E-}005 * x + 0.0049$$

$$R = 1.0000$$

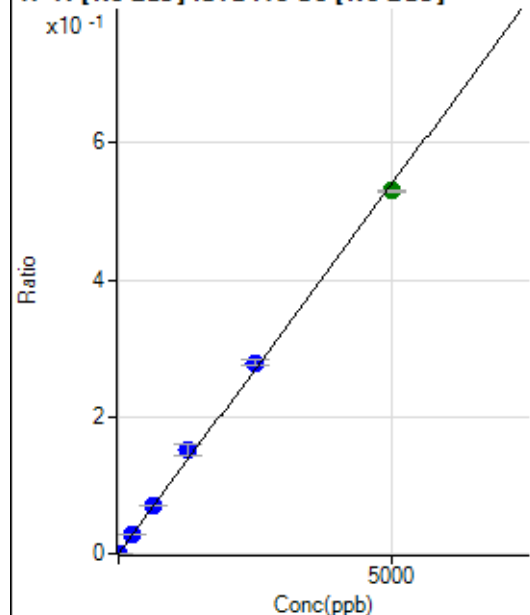
$$DL = 5.681$$

$$BEC = 143.7$$

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	402.80	0.0001	P	26.0
2	☐	5.000	5.079	2494.74	0.0007	P	1.3
3	☐	250.000	256.144	108316.30	0.0277	P	3.7
4	☐	625.000	652.588	276907.68	0.0705	P	1.0
5	☐	1250.000	1406.744	568081.90	0.1518	P	10.7
6	☐	2500.000	2588.573	1100446.56	0.2793	P	3.2
7	☐	5000.000	4912.772	2119998.92	0.5300	A	0.8
8	☐			680.59	0.0002	P	8.0

$$y = 1.0787\text{E-}004 * x + 1.0376\text{E-}004$$

$$R = 0.9992$$

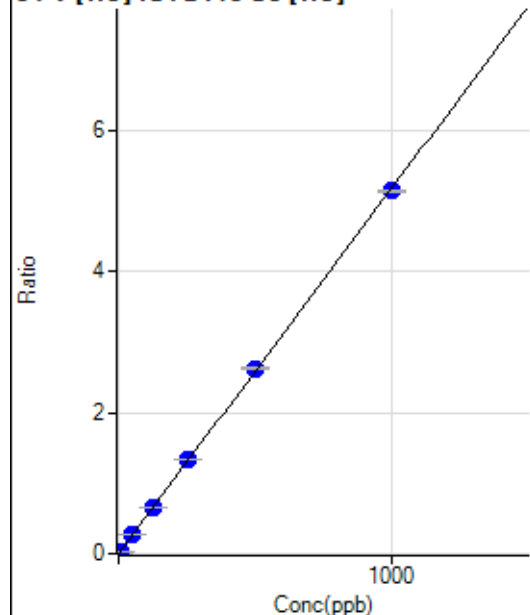
$$DL = 0.7504$$

$$BEC = 0.9619$$

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	12.22	0.0001	P	57.9
2	☐	5.000	4.823	3363.76	0.0251	P	1.6
3	☐	50.000	50.907	35497.31	0.2638	P	0.4
4	☐	125.000	127.252	90035.14	0.6593	P	0.5
5	☐	250.000	257.335	181139.77	1.3333	P	0.9
6	☐	500.000	508.181	354746.07	2.6328	P	0.4
7	☐	1000.000	993.750	695213.23	5.1484	P	0.9
8	☐			140.00	0.0010	P	22.7

$$y = 0.0052 * x + 9.1948\text{E-}005$$

$$R = 0.9999$$

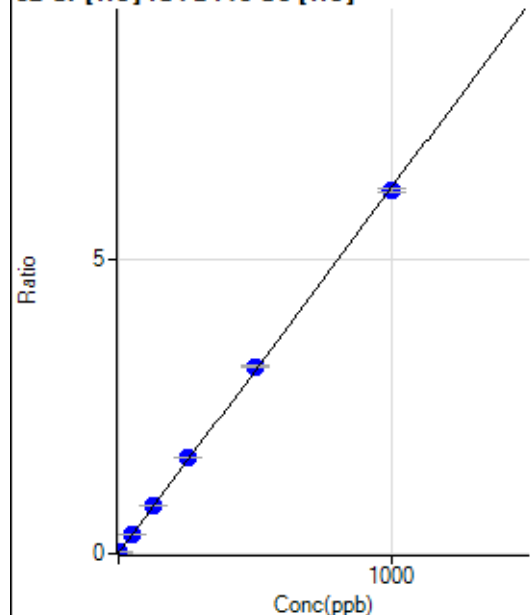
$$DL = 0.03084$$

$$BEC = 0.01775$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	920.04	0.0069	P	8.3
2	☐	2.000	1.944	2544.69	0.0190	P	2.7
3	☐	50.000	51.417	43876.03	0.3261	P	0.6
4	☐	125.000	128.501	109875.61	0.8046	P	0.5
5	☐	250.000	260.998	221064.85	1.6272	P	1.1
6	☐	500.000	510.975	428319.30	3.1790	P	1.1
7	☐	1000.000	991.255	831877.69	6.1606	P	1.2
8	☐			3754.98	0.0275	P	4.7

$$y = 0.0062 * x + 0.0069$$

$$R = 0.9998$$

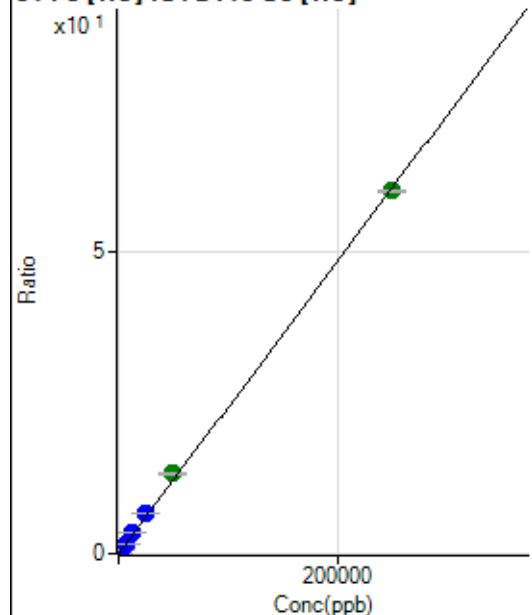
$$DL = 0.2755$$

$$BEC = 1.111$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	324.08	0.0024	P	16.9
2	☐	50.000	56.363	2157.62	0.0161	P	4.5
3	☐	2500.000	2782.539	91051.20	0.6767	P	1.3
4	☐	6250.000	6961.490	230694.08	1.6894	P	1.0
5	☐	12500.000	14201.860	467911.48	3.4440	P	0.7
6	☐	25000.000	27717.314	905352.30	6.7192	P	0.4
7	☐	50000.000	54791.052	1793149.71	13.2800	A	1.7
8	☐	250000.00	248664.35	8236175.65	60.2615	A	0.9

$$y = 2.4233E-004 * x + 0.0024$$

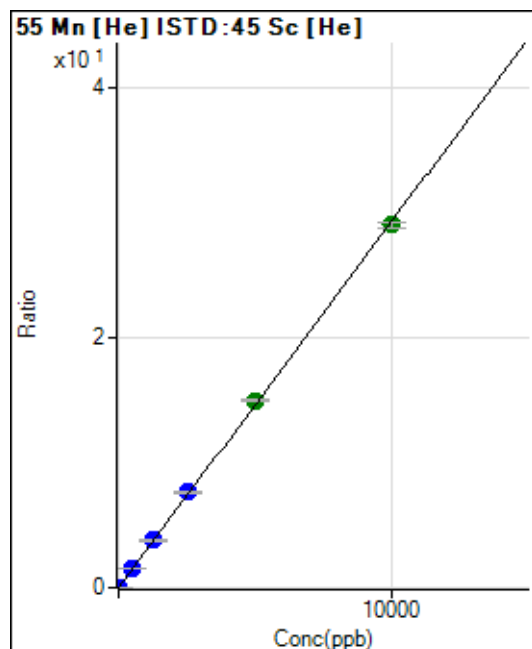
$$R = 0.9998$$

$$DL = 5.067$$

$$BEC = 10.01$$

Weight: <None>

Min Conc: 0



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	73.33	0.0006	P	21.1
2	☐	1.000	0.924	436.68	0.0033	P	7.6
3	☐	500.000	520.056	205041.08	1.5239	P	0.3
4	☐	1250.000	1288.437	515446.87	3.7747	P	0.7
5	☐	2500.000	2612.083	1039534.35	7.6519	P	1.6
6	☐	5000.000	5106.180	2015392.25	14.9577	A	0.9
7	☐	10000.000	9913.082	3921051.23	29.0383	A	1.3
8	☐			2994.80	0.0219	P	4.0

$$y = 0.0029 * x + 5.5053E-004$$

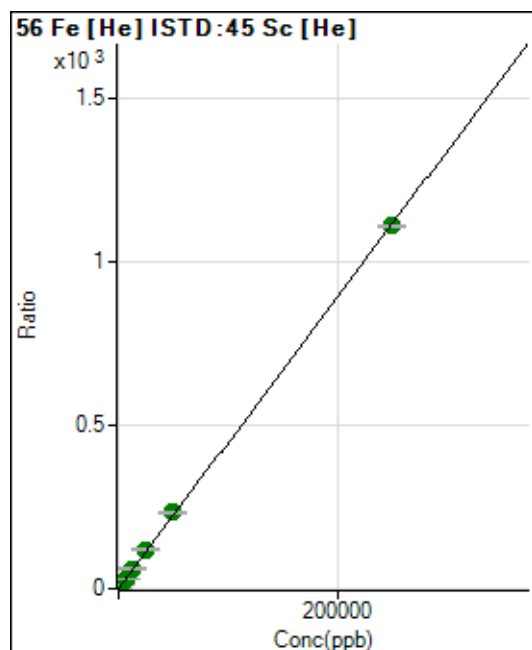
$$R = 0.9998$$

$$DL = 0.1189$$

$$BEC = 0.1879$$

Weight: <None>

Min Conc: 0



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	2489.15	0.0187	P	1.4
2	☐	50.000	50.731	32761.92	0.2443	P	1.4
3	☐	2500.000	2738.771	1641350.63	12.1988	A	0.6
4	☐	6250.000	6869.005	4174034.82	30.5671	A	0.5
5	☐	12500.000	13803.066	8341385.49	61.4048	A	2.4
6	☐	25000.000	26860.674	16096836.82	119.4758	A	1.8
7	☐	50000.000	52364.858	31448182.19	232.9002	A	1.6
8	☐	250000.00	249257.94	151506460.7	1,108.540	A	0.4

$$y = 0.0044 * x + 0.0187$$

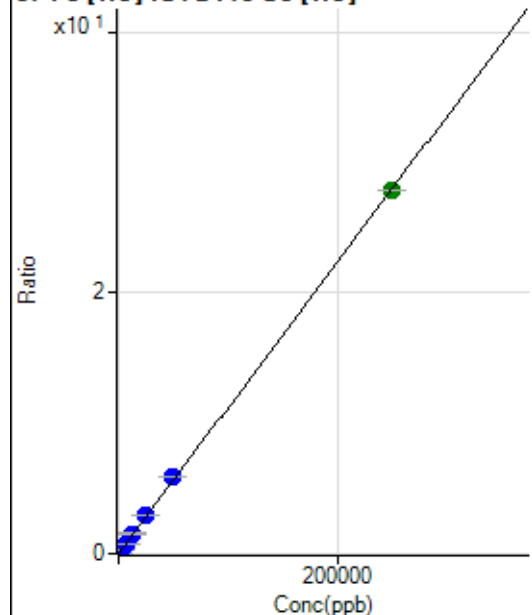
$$R = 0.9999$$

$$DL = 0.176$$

$$BEC = 4.194$$

Weight: <None>

Min Conc: 0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	103.71	0.0008	P	29.0
2	☐	50.000	52.419	888.93	0.0066	P	8.1
3	☐	2500.000	2736.739	41205.95	0.3062	P	1.1
4	☐	6250.000	6765.657	103228.09	0.7560	P	1.3
5	☐	12500.000	13818.408	209638.35	1.5432	P	2.0
6	☐	25000.000	26843.771	403835.71	2.9971	P	1.4
7	☐	50000.000	52787.612	795733.63	5.8929	P	1.2
8	☐	250000.00	249176.92	3801360.44	27.8138	A	0.1

$$y = 1.1162E-004 * x + 7.7621E-004$$

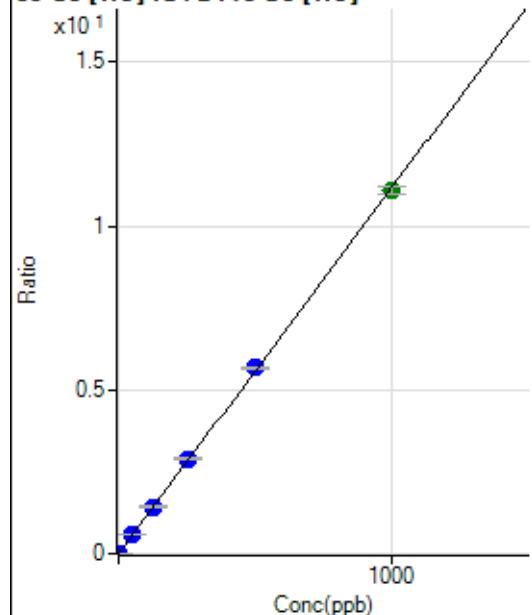
$R = 0.9999$

DL = 6.059

BEC = 6.954

Weight: <None>

Min Conc: 0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	67.78	0.0005	P	10.0
2	☐	1.000	0.907	1425.64	0.0106	P	4.9
3	☐	50.000	51.753	77769.73	0.5780	P	0.5
4	☐	125.000	128.697	196174.56	1.4366	P	0.6
5	☐	250.000	260.163	394461.74	2.9036	P	1.6
6	☐	500.000	508.879	765143.85	5.6790	P	1.1
7	☐	1000.000	992.470	1495403.18	11.0753	A	2.1
8	☐			2632.49	0.0193	P	2.1

$$y = 0.0112 * x + 5.0791E-004$$

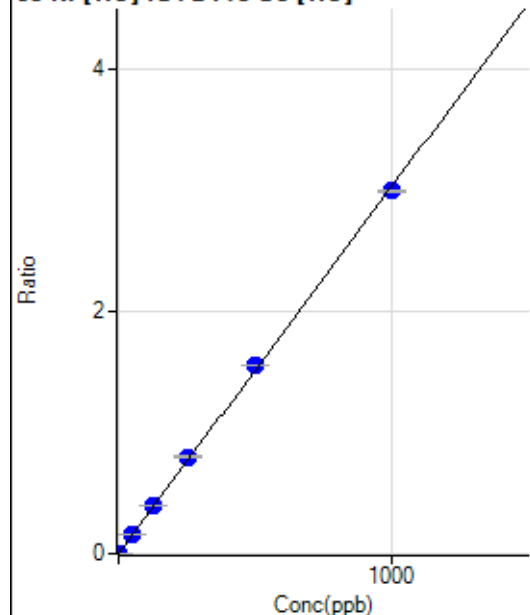
$R = 0.9999$

DL = 0.01365

BEC = 0.04552

Weight: <None>

Min Conc: 0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	158.89	0.0012	P	19.0
2	☐	1.000	1.109	610.02	0.0045	P	14.4
3	☐	50.000	53.118	21793.42	0.1620	P	1.6
4	☐	125.000	129.757	53795.60	0.3940	P	0.7
5	☐	250.000	264.342	108862.61	0.8013	P	1.6
6	☐	500.000	513.529	209600.02	1.5556	P	0.6
7	☐	1000.000	988.899	404374.46	2.9945	P	0.6
8	☐			1353.41	0.0099	P	1.1

$$y = 0.0030 * x + 0.0012$$

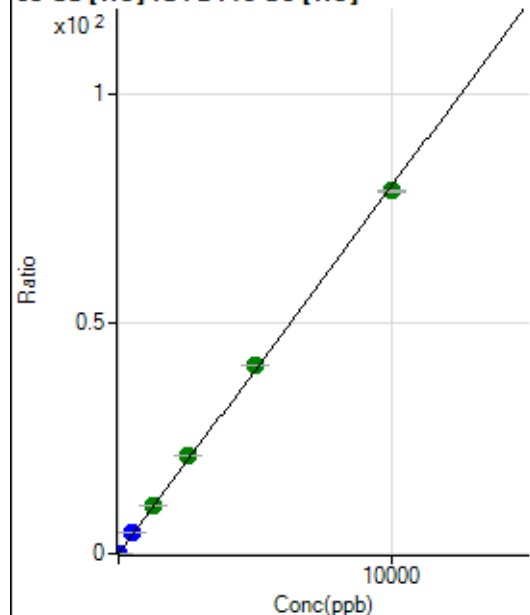
$$R = 0.9997$$

$$DL = 0.2241$$

$$BEC = 0.394$$

Weight: <None>

Min Conc: 0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	614.46	0.0046	P	7.5
2	☐	2.000	2.184	2955.89	0.0220	P	3.1
3	☐	500.000	555.088	596902.81	4.4364	P	1.4
4	☐	1250.000	1316.693	1436136.89	10.5170	A	0.6
5	☐	2500.000	2664.166	2890382.66	21.2752	A	1.2
6	☐	5000.000	5138.662	5528733.18	41.0314	A	0.6
7	☐	10000.000	9878.536	10651021.51	78.8744	A	0.7
8	☐			4988.70	0.0365	P	2.0

$$y = 0.0080 * x + 0.0046$$

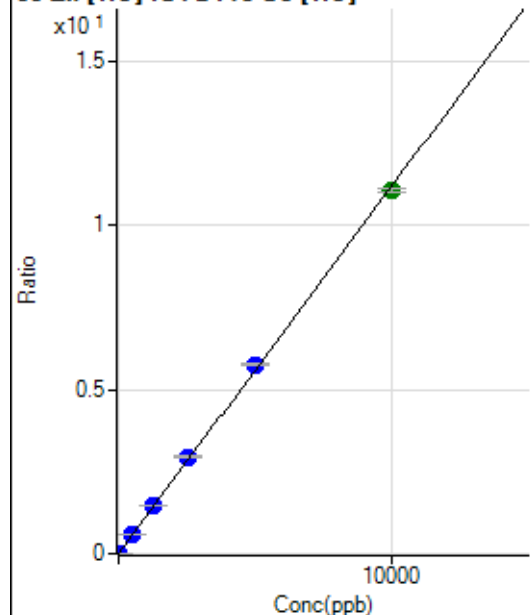
$$R = 0.9997$$

$$DL = 0.129$$

$$BEC = 0.5766$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	126.67	0.0009	P	3.5
2	☐	2.000	2.211	458.90	0.0034	P	0.6
3	☐	500.000	529.059	79732.65	0.5926	P	0.9
4	☐	1250.000	1302.126	198972.12	1.4571	P	0.7
5	☐	2500.000	2635.240	400503.25	2.9479	P	1.1
6	☐	5000.000	5157.097	777160.00	5.7681	P	0.9
7	☐	10000.000	9879.673	1492039.61	11.0493	A	1.0
8	☐			4027.28	0.0295	P	3.0

$$y = 0.0011 * x + 9.4909E-004$$

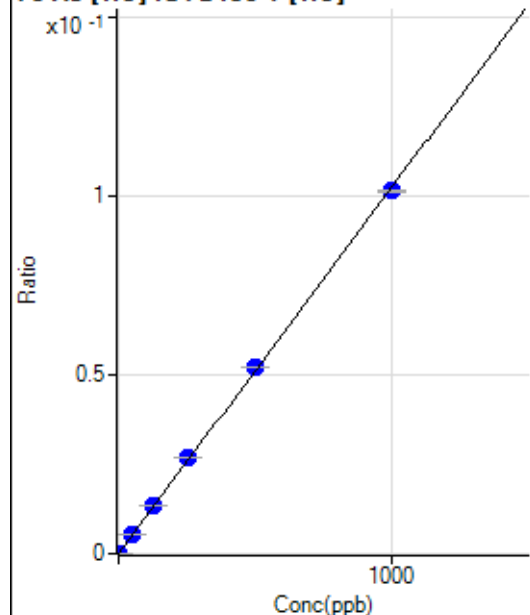
$$R = 0.9997$$

$$DL = 0.0895$$

$$BEC = 0.8487$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	12.67	0.0000	P	11.8
2	☐	1.000	0.909	113.68	0.0001	P	7.4
3	☐	50.000	50.699	5770.77	0.0052	P	2.1
4	☐	125.000	129.603	14694.10	0.0133	P	0.6
5	☐	250.000	261.564	29708.73	0.0267	P	0.5
6	☐	500.000	510.370	57793.46	0.0522	P	0.2
7	☐	1000.000	991.314	113152.54	0.1013	P	0.6
8	☐			56.34	0.0000	P	23.8

$$y = 1.0221E-004 * x + 1.1500E-005$$

$$R = 0.9998$$

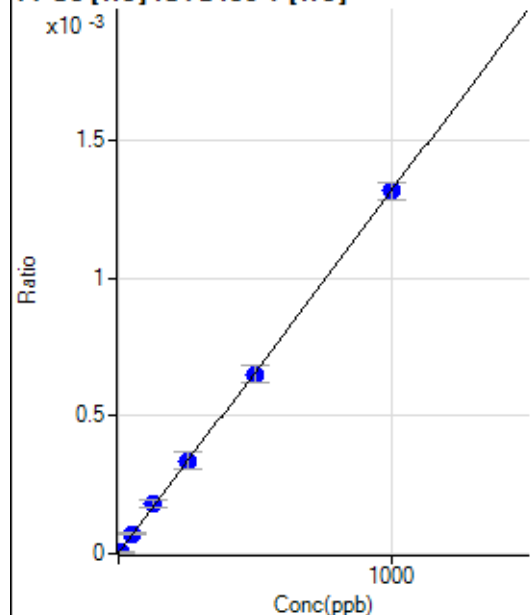
$$DL = 0.03982$$

$$BEC = 0.1125$$

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	2.22	0.0000	P	173.2
2	☐	5.000	2.334	5.55	0.0000	P	68.8
3	☐	50.000	52.342	78.89	0.0001	P	9.7
4	☐	125.000	137.803	203.34	0.0002	P	15.7
5	☐	250.000	255.341	375.57	0.0003	P	19.8
6	☐	500.000	494.533	723.36	0.0007	P	9.4
7	☐	1000.000	999.694	1472.32	0.0013	P	4.8
8	☐			3.33	0.0000	P	173.2

$$y = 1.3170\text{E-}006 * x + 2.0145\text{E-}006$$

$$R = 0.9999$$

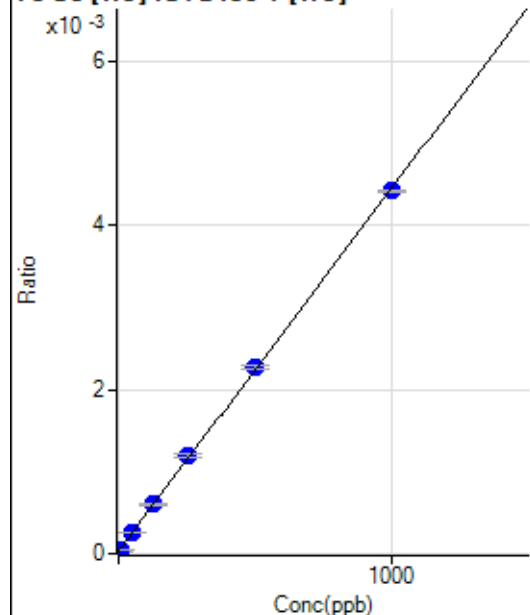
$$DL = 7.948$$

$$BEC = 1.53$$

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	36.67	0.0000	P	9.7
2	☐	5.000	3.960	55.34	0.0001	P	17.8
3	☐	50.000	50.233	283.70	0.0003	P	6.6
4	☐	125.000	127.836	663.09	0.0006	P	7.2
5	☐	250.000	261.602	1320.86	0.0012	P	3.4
6	☐	500.000	507.261	2519.49	0.0023	P	1.9
7	☐	1000.000	993.108	4937.37	0.0044	P	0.5
8	☐			35.33	0.0000	P	11.9

$$y = 4.4187\text{E-}006 * x + 3.3299\text{E-}005$$

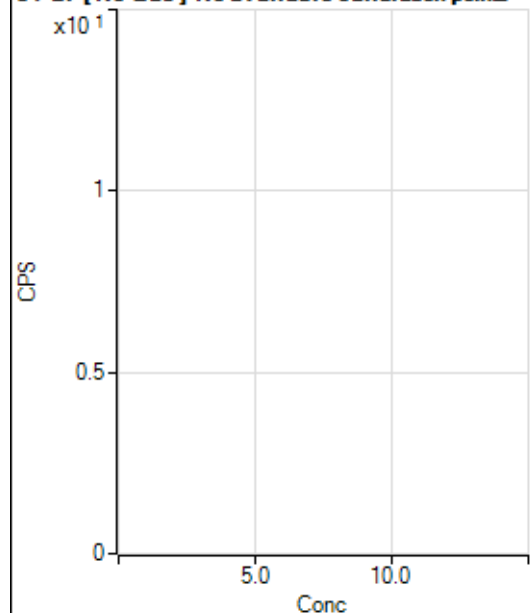
$$R = 0.9999$$

$$DL = 2.183$$

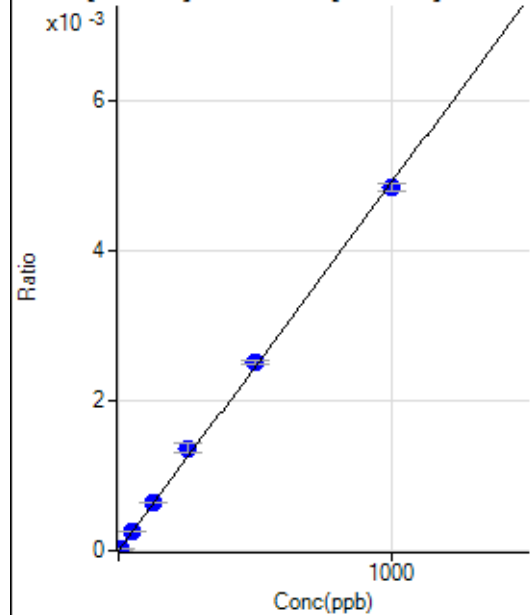
$$BEC = 7.536$$

Weight: <None>

Min Conc: 0

81 Br [No Gas] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			2886.62		P	3.8
2	☐			2909.98		P	8.2
3	☐			3000.12		P	10.2
4	☐			2956.71		P	4.6
5	☐			2946.70		P	8.4
6	☐			2816.53		P	3.8
7	☐			3026.79		P	2.2
8	☐			3273.77		P	6.1

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	-5.07	0.0000	P	-541.
2	☐	5.000	4.907	240.34	0.0000	P	19.3
3	☐	50.000	52.117	2591.64	0.0003	P	2.6
4	☐	125.000	131.856	6701.02	0.0006	P	1.6
5	☐	250.000	278.784	13496.31	0.0014	P	10.0
6	☐	500.000	512.545	26183.98	0.0025	P	1.9
7	☐	1000.000	985.569	51678.20	0.0048	P	1.9
8	☐			30.17	0.0000	P	100.5

$$y = 4.9160E-006 * x - 5.0193E-007$$

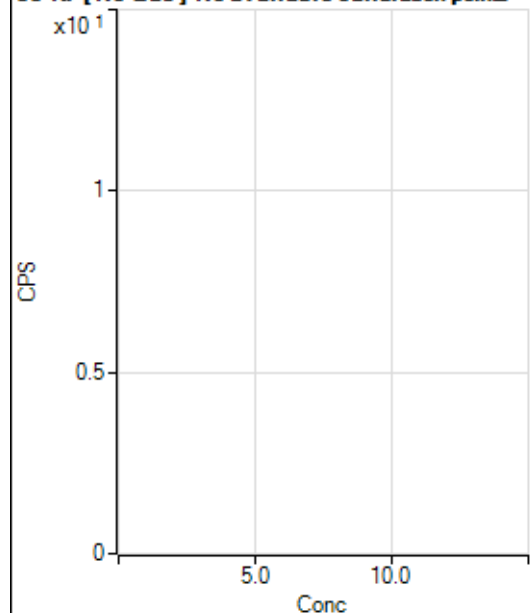
$$R = 0.9994$$

$$DL = 1.657$$

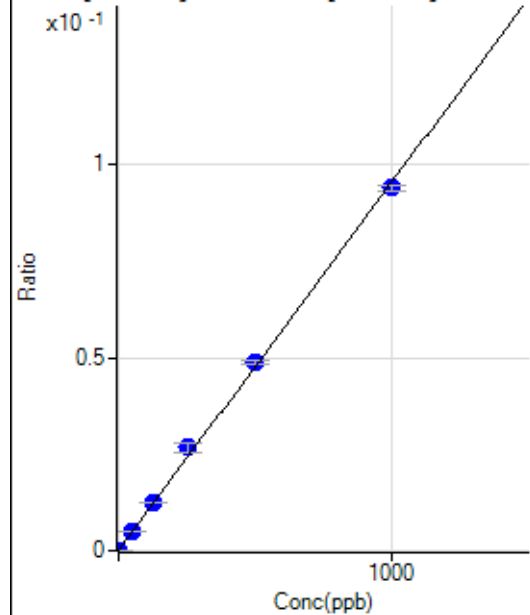
$$BEC = -0.1021$$

Weight: <None>

Min Conc: 0

83 Kr [No Gas] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			443.35		P	5.4
2	☐			433.34		P	12.0
3	☐			458.90		P	4.4
4	☐			418.90		P	6.4
5	☐			471.13		P	7.1
6	☐			481.13		P	8.7
7	☐			430.01		P	10.9
8	☐			445.56		P	6.8

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	658.37	0.0001	P	7.9
2	☐	1.000	0.859	1486.23	0.0001	P	6.6
3	☐	50.000	52.001	50823.69	0.0050	P	3.4
4	☐	125.000	129.448	128176.05	0.0124	P	0.8
5	☐	250.000	279.160	262537.22	0.0266	P	9.6
6	☐	500.000	512.879	508247.98	0.0489	P	1.9
7	☐	1000.000	985.615	1001758.80	0.0939	P	1.6
8	☐			5848.60	0.0006	P	4.7

$$y = 9.5211\text{E-}005 * x + 6.4171\text{E-}005$$

$$R = 0.9994$$

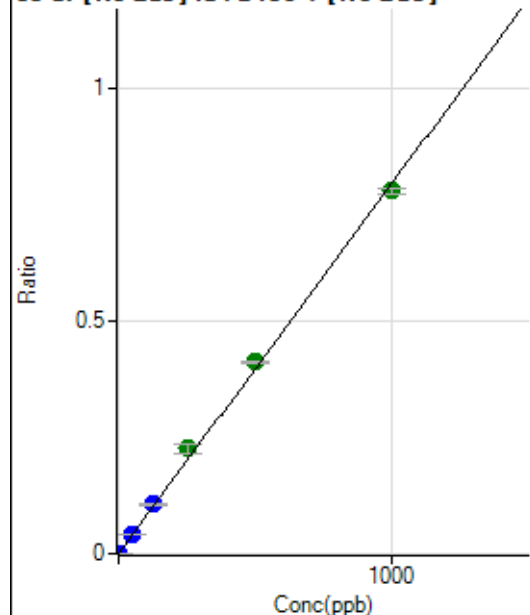
$$DL = 0.1592$$

$$BEC = 0.674$$

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	94.45	0.0000	P	19.2
2	☐	1.000	0.954	7807.96	0.0008	P	4.0
3	☐	50.000	53.449	430177.03	0.0424	P	2.7
4	☐	125.000	132.830	1091195.39	0.1055	P	0.7
5	☐	250.000	283.623	2218312.98	0.2252	A	10.0
6	☐	500.000	518.090	4275493.76	0.4113	A	1.7
7	☐	1000.000	981.398	8312015.55	0.7792	A	1.8
8	☐			45811.91	0.0044	P	1.2

$$y = 7.9393\text{E-}004 * x + 9.2189\text{E-}006$$

$$R = 0.9991$$

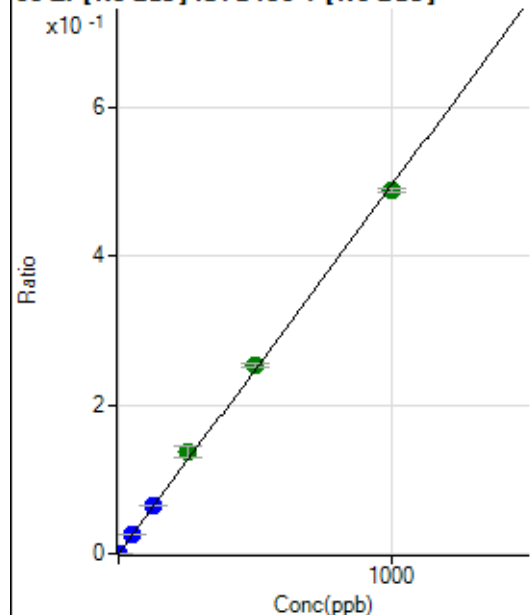
$$DL = 0.006698$$

$$BEC = 0.01161$$

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	344.46	0.0000	P	10.5
2	☐	1.000	0.886	4798.20	0.0005	P	4.1
3	☐	50.000	53.057	266049.09	0.0262	P	2.1
4	☐	125.000	130.742	668649.22	0.0646	P	0.1
5	☐	250.000	278.217	1353547.35	0.1375	A	11.0
6	☐	500.000	513.027	2634899.41	0.2535	A	1.7
7	☐	1000.000	985.562	5194734.53	0.4869	A	1.0
8	☐			1780.72	0.0002	P	10.1

$$y = 4.9405\text{E-}004 * x + 3.3564\text{E-}005$$

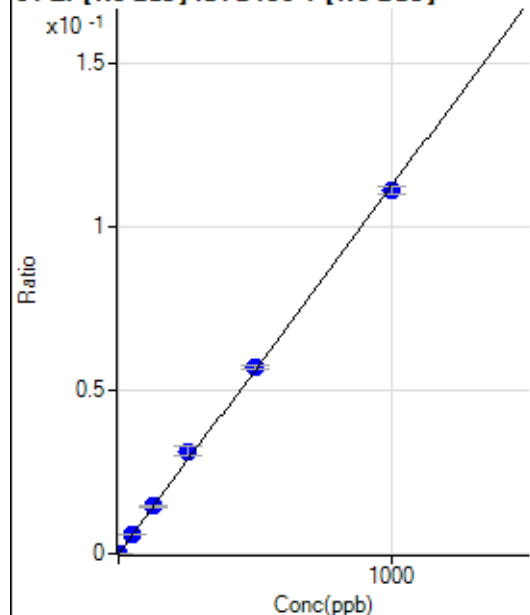
$$R = 0.9994$$

$$DL = 0.02133$$

$$BEC = 0.06794$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	69.45	0.0000	P	30.5
2	☐	1.000	0.839	1027.84	0.0001	P	3.9
3	☐	50.000	52.020	59218.05	0.0058	P	2.8
4	☐	125.000	128.461	149173.60	0.0144	P	1.9
5	☐	250.000	279.616	308925.29	0.0314	P	10.9
6	☐	500.000	509.664	594406.58	0.0572	P	2.1
7	☐	1000.000	987.231	1181585.45	0.1108	P	2.2
8	☐			347.24	0.0000	P	30.2

$$y = 1.1219\text{E-}004 * x + 6.7771\text{E-}006$$

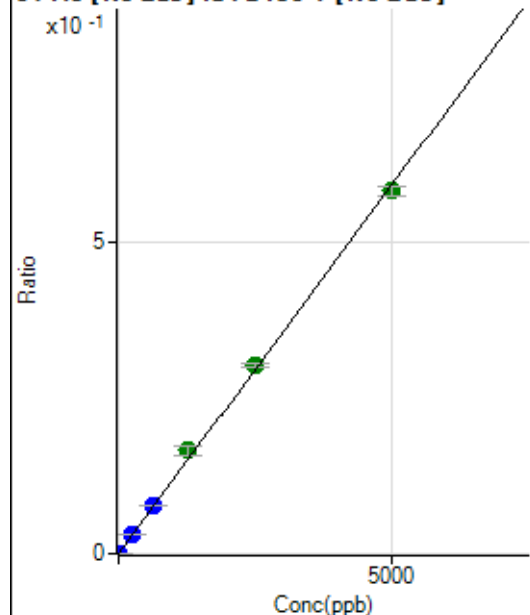
$$R = 0.9994$$

$$DL = 0.05532$$

$$BEC = 0.06041$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	175.01	0.0000	P	16.7
2	☐	5.000	4.897	6090.36	0.0006	P	4.2
3	☐	250.000	262.680	315889.97	0.0312	P	3.5
4	☐	625.000	656.964	806403.52	0.0779	P	1.0
5	☐	1250.000	1401.471	1638357.35	0.1662	A	9.4
6	☐	2500.000	2566.865	3164831.99	0.3045	A	1.9
7	☐	5000.000	4924.070	6230176.18	0.5841	A	2.4
8	☐			2383.61	0.0002	P	9.5

$$y = 1.1861\text{E-}004 * x + 1.7051\text{E-}005$$

$$R = 0.9993$$

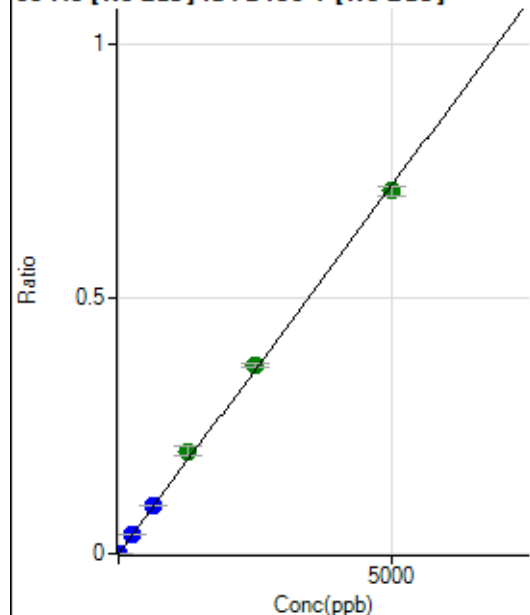
$$DL = 0.072$$

$$BEC = 0.1438$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	66.67	0.0000	P	49.3
2	☐	5.000	4.766	7071.43	0.0007	P	3.1
3	☐	250.000	265.851	388561.99	0.0384	P	4.7
4	☐	625.000	656.131	979296.20	0.0946	P	0.3
5	☐	1250.000	1393.895	1980873.20	0.2011	A	9.9
6	☐	2500.000	2556.761	3833322.70	0.3688	A	1.8
7	☐	5000.000	4930.962	7587176.12	0.7113	A	2.5
8	☐			2944.84	0.0003	P	4.1

$$y = 1.4424\text{E-}004 * x + 6.4879\text{E-}006$$

$$R = 0.9994$$

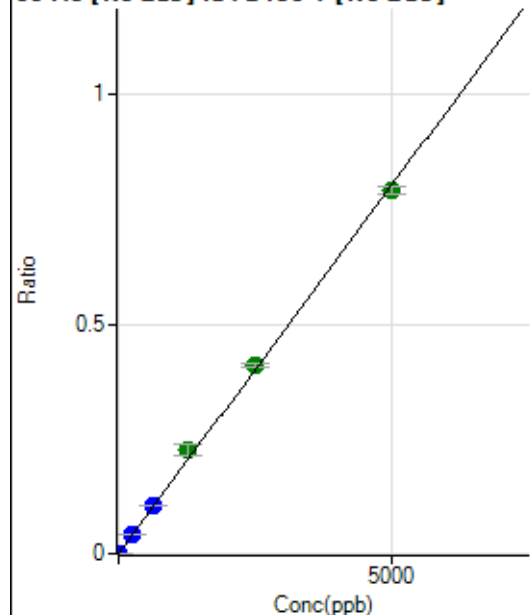
$$DL = 0.06656$$

$$BEC = 0.04498$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	94.45	0.0000	P	28.6
2	☐	5.000	4.783	7902.44	0.0008	P	5.6
3	☐	250.000	260.877	424141.70	0.0419	P	3.4
4	☐	625.000	654.550	1086289.01	0.1050	P	0.7
5	☐	1250.000	1401.801	2213541.98	0.2248	A	11.0
6	☐	2500.000	2562.200	4271351.18	0.4110	A	2.4
7	☐	5000.000	4926.712	8429764.16	0.7902	A	2.1
8	☐			3489.42	0.0003	P	9.9

$$y = 1.6039\text{E-}004 * x + 9.2123\text{E-}006$$

$$R = 0.9993$$

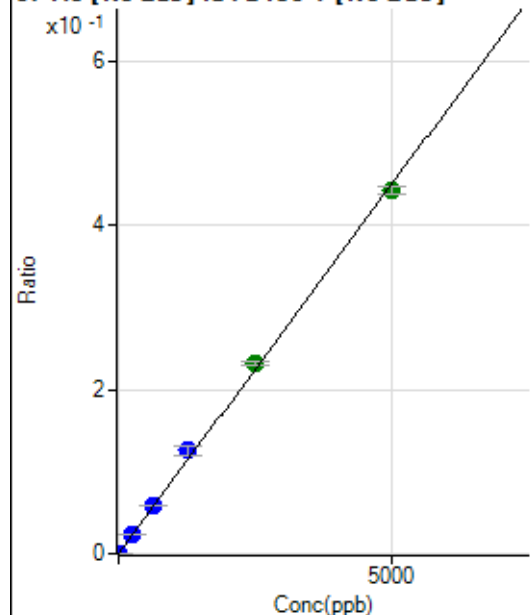
$$DL = 0.04921$$

$$BEC = 0.05744$$

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	41.67	0.0000	P	112.1
2	☐	5.000	5.014	4631.44	0.0005	P	5.4
3	☐	250.000	261.697	238391.40	0.0235	P	2.3
4	☐	625.000	648.976	603382.60	0.0583	P	0.6
5	☐	1250.000	1398.777	1238376.75	0.1257	P	9.8
6	☐	2500.000	2586.551	2415720.69	0.2324	A	2.5
7	☐	5000.000	4915.948	4712235.78	0.4417	A	2.2
8	☐			1639.04	0.0002	P	1.2

$$y = 8.9857\text{E-}005 * x + 4.0784\text{E-}006$$

$$R = 0.9993$$

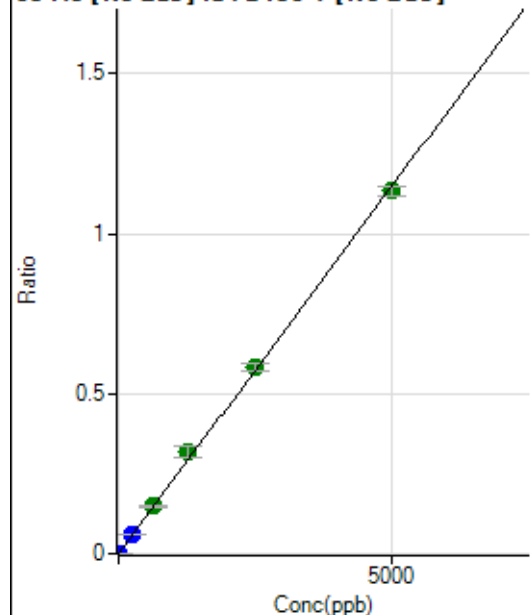
$$DL = 0.1526$$

$$BEC = 0.04539$$

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	72.23	0.0000	P	14.2
2	☐	5.000	4.756	11177.02	0.0011	P	1.4
3	☐	250.000	264.701	615085.59	0.0607	P	3.2
4	☐	625.000	645.072	1530129.71	0.1479	A	1.9
5	☐	1250.000	1384.747	3124175.66	0.3175	A	11.7
6	☐	2500.000	2540.621	6053877.22	0.5825	A	3.3
7	☐	5000.000	4942.759	12088493.85	1.1332	A	2.7
8	☐			4323.03	0.0004	P	6.4

$$y = 2.2927\text{E-}004 * x + 7.0468\text{E-}006$$

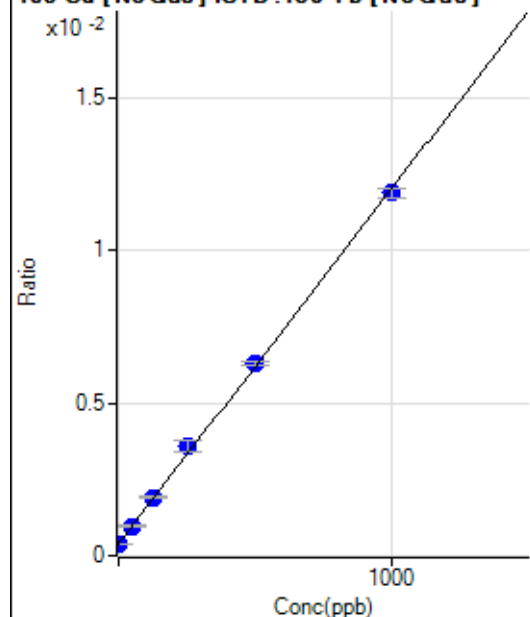
$$R = 0.9995$$

$$DL = 0.01306$$

$$BEC = 0.03074$$

Weight: <None>

Min Conc: 0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	2558.65	0.0004	P	7.3
2	☐	1.000	0.176	2553.09	0.0004	P	1.1
3	☐	50.000	50.396	6323.84	0.0010	P	5.1
4	☐	125.000	130.881	12558.85	0.0019	P	2.1
5	☐	250.000	275.205	22735.78	0.0036	P	10.6
6	☐	500.000	508.971	42204.16	0.0063	P	1.4
7	☐	1000.000	988.459	80800.55	0.0119	P	2.5
8	☐			2514.18	0.0004	P	8.3

$$y = 1.1639\text{E-}005 * x + 3.9034\text{E-}004$$

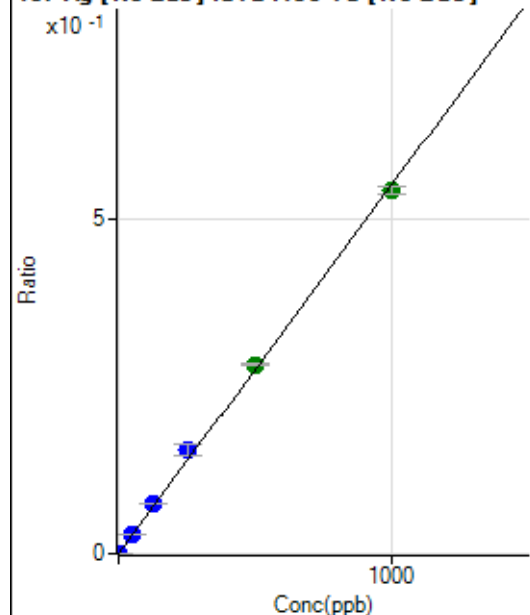
$$R = 0.9996$$

$$DL = 7.345$$

$$BEC = 33.54$$

Weight: <None>

Min Conc: 0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	52.78	0.0000	P	17.4
2	☐	1.000	0.989	3597.80	0.0006	P	2.5
3	☐	50.000	53.415	190489.75	0.0294	P	2.5
4	☐	125.000	133.709	483242.21	0.0736	P	0.5
5	☐	250.000	283.966	989328.12	0.1564	P	10.8
6	☐	500.000	511.844	1884148.37	0.2819	A	1.0
7	☐	1000.000	984.327	3682369.66	0.5421	A	1.9
8	☐			1866.86	0.0003	P	8.5

$$y = 5.5071\text{E-}004 * x + 8.0408\text{E-}006$$

$$R = 0.9992$$

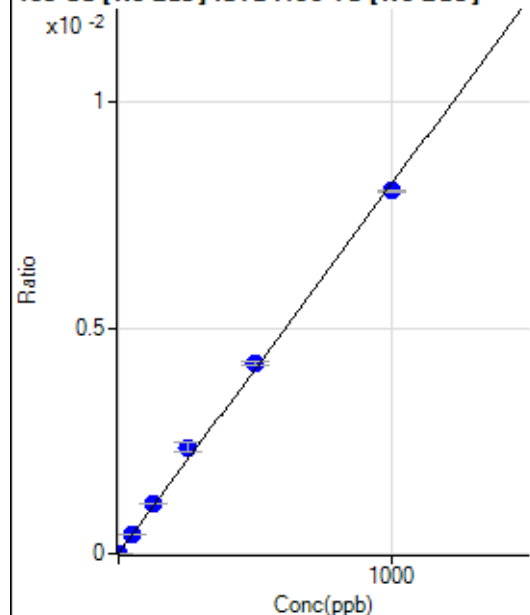
$$DL = 0.007607$$

$$BEC = 0.0146$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	11.11	0.0000	P	94.9
2	☐	1.000	1.225	76.39	0.0000	P	21.8
3	☐	50.000	52.224	2778.09	0.0004	P	4.6
4	☐	125.000	134.951	7260.31	0.0011	P	1.6
5	☐	250.000	287.341	14899.83	0.0024	P	9.7
6	☐	500.000	514.924	28183.03	0.0042	P	1.3
7	☐	1000.000	981.847	54604.80	0.0080	P	0.8
8	☐			61.11	0.0000	P	21.3

$$y = 8.1850\text{E-}006 * x + 1.7010\text{E-}006$$

$$R = 0.9990$$

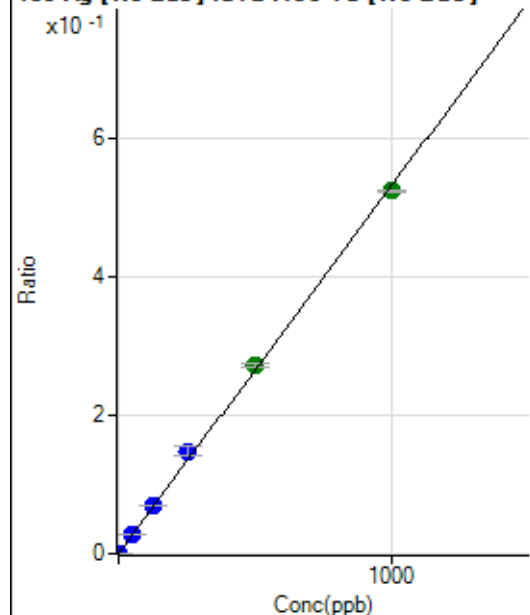
$$DL = 0.592$$

$$BEC = 0.2078$$

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	38.89	0.0000	P	54.7
2	☐	1.000	0.939	3281.04	0.0005	P	7.9
3	☐	50.000	52.623	180723.62	0.0279	P	0.7
4	☐	125.000	131.781	458564.93	0.0699	P	0.5
5	☐	250.000	279.088	936507.39	0.1480	P	10.3
6	☐	500.000	511.116	1811535.67	0.2710	A	2.2
7	☐	1000.000	986.191	3552453.81	0.5229	A	0.6
8	☐			1722.37	0.0003	P	8.5

$$y = 5.3025\text{E-}004 * x + 5.9531\text{E-}006$$

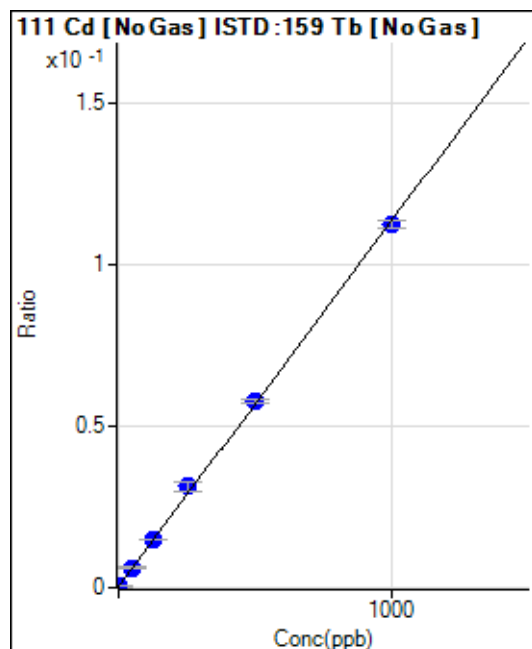
$$R = 0.9994$$

$$DL = 0.01843$$

$$BEC = 0.01123$$

Weight: <None>

Min Conc: 0



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	1793.00	0.0003	P	7.6
2	☐	1.000	1.009	2522.61	0.0004	P	1.9
3	☐	50.000	52.442	40185.02	0.0062	P	2.0
4	☐	125.000	130.454	98641.56	0.0150	P	0.7
5	☐	250.000	274.248	198130.03	0.0313	P	9.9
6	☐	500.000	508.122	386083.12	0.0578	P	1.4
7	☐	1000.000	989.073	761996.84	0.1122	P	2.0
8	☐			2049.10	0.0003	P	7.6

$$y = 1.1314\text{E-}004 * x + 2.7354\text{E-}004$$

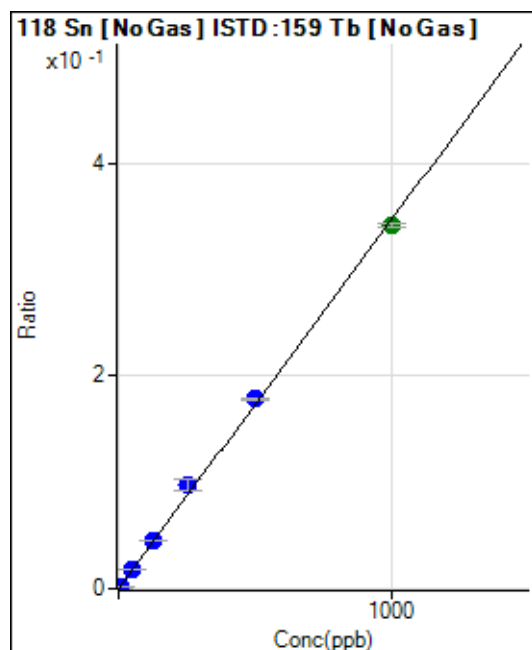
$$R = 0.9996$$

$$DL = 0.5545$$

$$BEC = 2.418$$

Weight: <None>

Min Conc: 0



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	175.01	0.0000	P	10.6
2	☐	5.000	4.814	11046.43	0.0017	P	5.9
3	☐	50.000	52.659	118471.09	0.0183	P	2.3
4	☐	125.000	132.097	300937.53	0.0459	P	1.0
5	☐	250.000	281.550	618339.60	0.0977	P	10.4
6	☐	500.000	515.217	1195157.78	0.1788	P	1.1
7	☐	1000.000	983.485	2318452.57	0.3413	A	0.9
8	☐			938.94	0.0001	P	5.9

$$y = 3.4699\text{E-}004 * x + 2.6711\text{E-}005$$

$$R = 0.9992$$

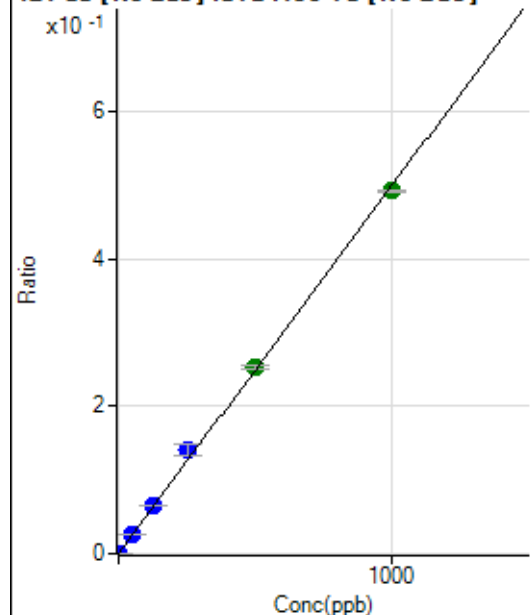
$$DL = 0.02438$$

$$BEC = 0.07698$$

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	47.22	0.0000	P	37.8
2	☐	2.000	1.978	6460.04	0.0010	P	1.2
3	☐	50.000	52.819	170444.92	0.0263	P	2.6
4	☐	125.000	130.927	428138.44	0.0653	P	1.5
5	☐	250.000	281.618	887939.56	0.1403	P	10.6
6	☐	500.000	508.371	1693360.15	0.2533	A	1.7
7	☐	1000.000	987.028	3341381.26	0.4919	A	0.7
8	☐			2208.58	0.0003	P	13.8

$$y = 4.9832\text{E-}004 * x + 7.2185\text{E-}006$$

$$R = 0.9994$$

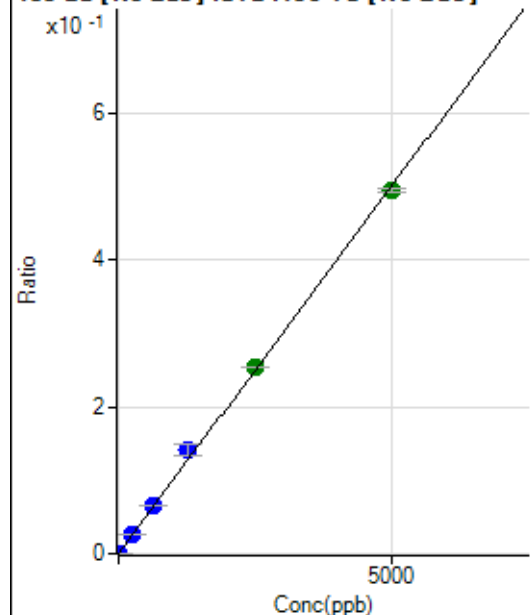
$$DL = 0.01641$$

$$BEC = 0.01449$$

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	75.3
2	☐	10.000	9.806	6410.01	0.0010	P	1.1
3	☐	250.000	263.860	170937.47	0.0264	P	1.0
4	☐	625.000	654.069	429294.62	0.0654	P	1.8
5	☐	1250.000	1408.452	890813.62	0.1409	P	11.6
6	☐	2500.000	2535.797	1695492.51	0.2537	A	0.5
7	☐	5000.000	4938.162	3355547.54	0.4940	A	1.2
8	☐			6098.75	0.0009	P	4.4

$$y = 1.0003\text{E-}004 * x + 4.2414\text{E-}006$$

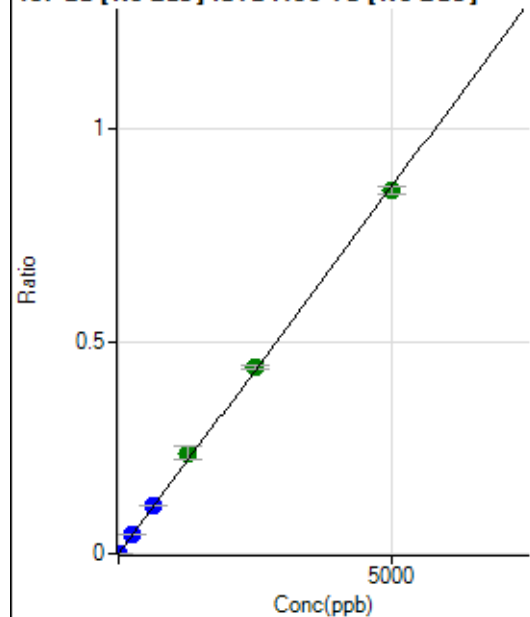
$$R = 0.9994$$

$$DL = 0.09573$$

$$BEC = 0.0424$$

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	30.56	0.0000	P	57.8
2	☐	10.000	9.711	10949.20	0.0017	P	3.1
3	☐	250.000	265.706	297324.74	0.0459	P	0.9
4	☐	625.000	661.240	749714.62	0.1143	P	1.2
5	☐	1250.000	1374.738	1501465.11	0.2375	A	12.0
6	☐	2500.000	2542.847	2936872.89	0.4394	A	1.4
7	☐	5000.000	4942.077	5800890.54	0.8539	A	2.2
8	☐			10226.37	0.0015	P	1.3

$$y = 1.7279E-004 * x + 4.6792E-006$$

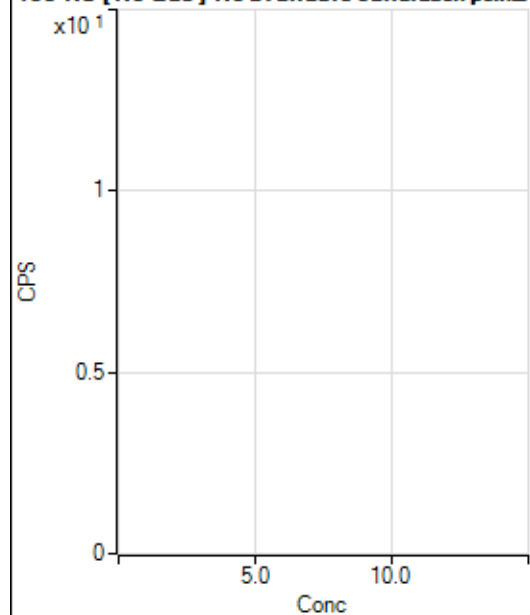
$$R = 0.9996$$

$$DL = 0.04697$$

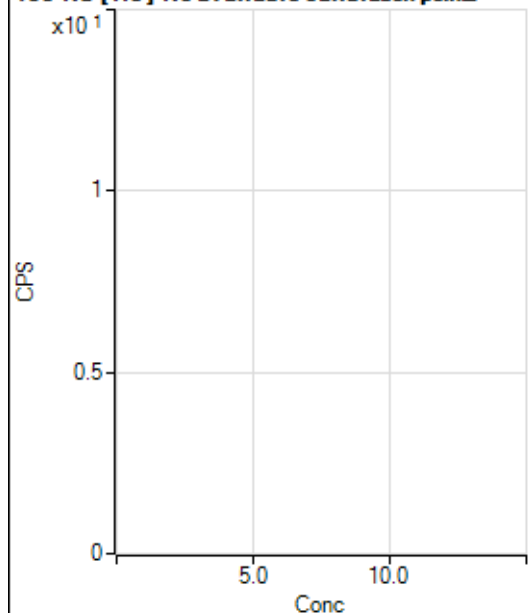
$$BEC = 0.02708$$

Weight: <None>

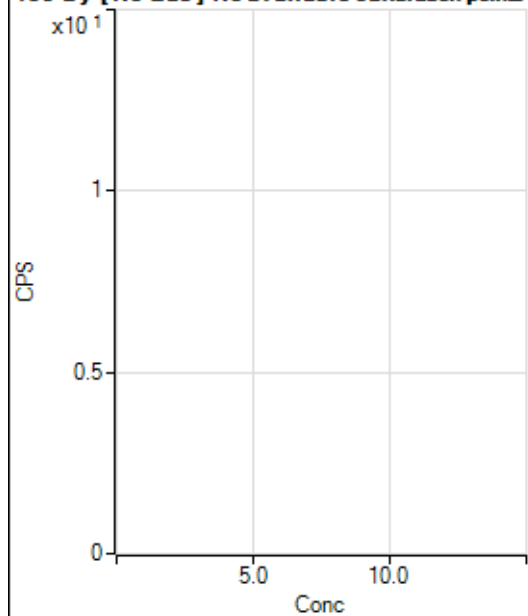
Min Conc: 0

150 Nd [No Gas] No available calibration points

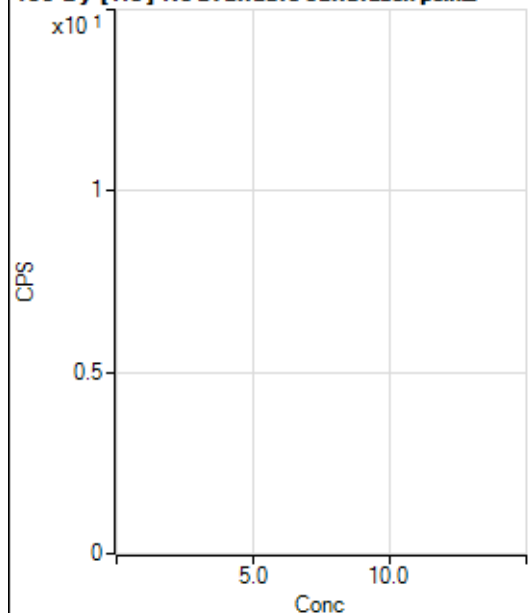
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			11.11		P	34.6
2	☐			11.11		P	91.7
3	☐			8.89		P	43.3
4	☐			28.89		P	13.3
5	☐			37.78		P	27.0
6	☐			64.45		P	46.7
7	☐			131.12		P	12.8
8	☐			22.22		P	45.8

150 Nd [He] No available calibration points

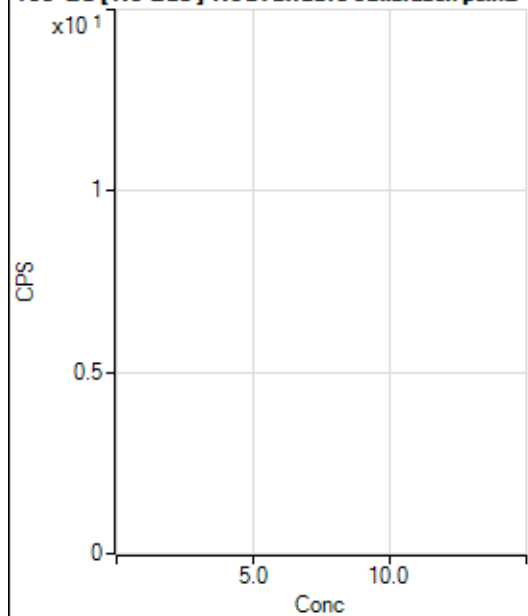
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			2.22		P	86.6
2	☐			0.00		P	
3	☐			1.11		P	173.2
4	☐			0.00		P	
5	☐			1.11		P	173.2
6	☐			2.22		P	173.2
7	☐			10.00		P	88.2
8	☐			8.89		P	43.3

156 Dy [No Gas] No available calibration points

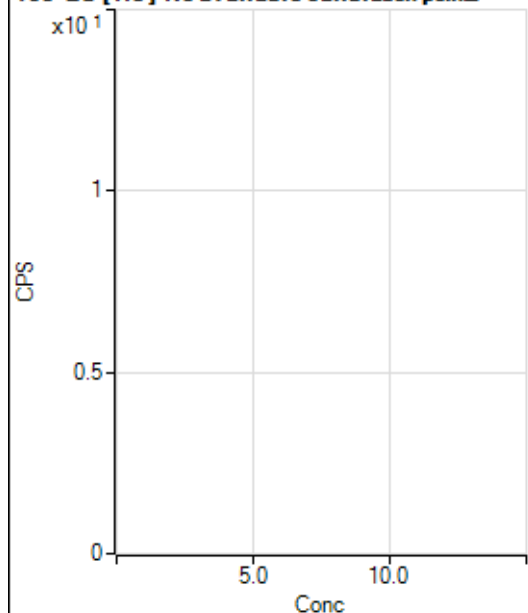
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			25.00		P	33.3
2	☐			8.33		P	100.0
3	☐			27.78		P	34.6
4	☐			11.11		P	86.6
5	☐			30.56		P	41.7
6	☐			86.11		P	22.4
7	☐			75.00		P	11.1
8	☐			200.01		P	15.0

156 Dy [He] No available calibration points

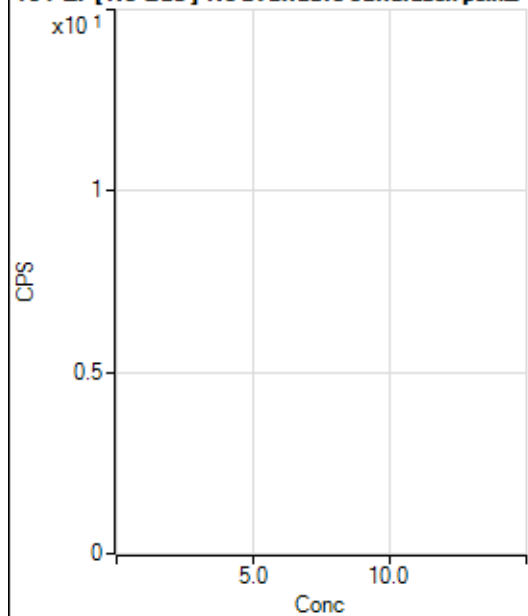
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			1.11		P	173.2
2	☐			2.22		P	86.6
3	☐			6.67		P	50.0
4	☐			10.00		P	0.0
5	☐			7.78		P	89.2
6	☐			13.33		P	86.6
7	☐			32.22		P	53.1
8	☐			104.45		P	9.8

160 Gd [No Gas] Noavailable calibration poin_

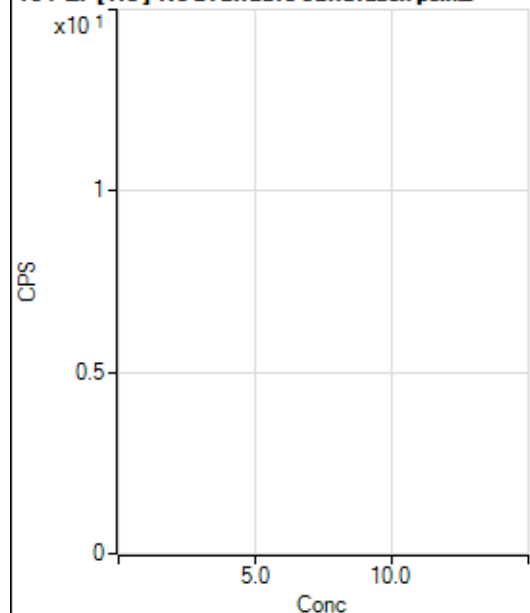
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			44.45		P	28.7
2	☐			44.45		P	10.8
3	☐			55.56		P	22.9
4	☐			55.55		P	8.7
5	☐			69.44		P	61.6
6	☐			69.45		P	18.3
7	☐			97.23		P	24.7
8	☐			255.56		P	18.0

160 Gd [He] No available calibration points

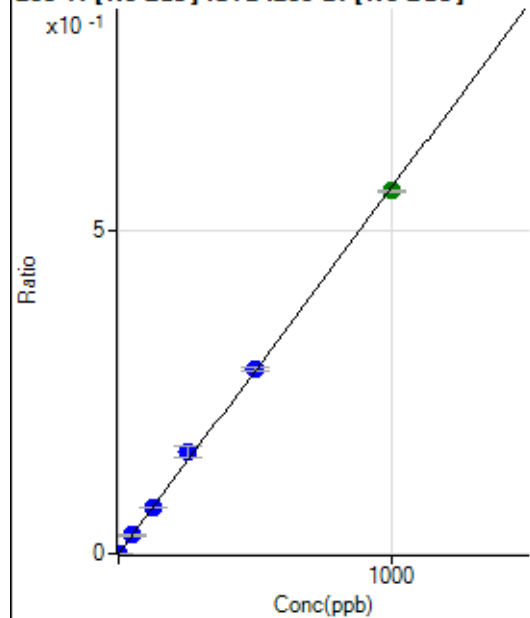
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			12.22		P	31.5
2	☐			17.78		P	54.1
3	☐			13.33		P	66.1
4	☐			21.11		P	45.6
5	☐			24.45		P	43.8
6	☐			27.78		P	6.9
7	☐			38.89		P	9.9
8	☐			113.34		P	17.9

164 Er [No Gas] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			30.56		P	41.7
2	☐			19.45		P	24.7
3	☐			22.22		P	43.3
4	☐			44.44		P	28.6
5	☐			47.22		P	50.9
6	☐			30.55		P	68.6
7	☐			52.78		P	77.9
8	☐			52.78		P	39.7

164 Er [He] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			14.44		P	35.3
2	☐			13.33		P	86.6
3	☐			11.11		P	62.5
4	☐			12.22		P	31.5
5	☐			8.89		P	57.3
6	☐			13.33		P	43.3
7	☐			12.22		P	15.7
8	☐			17.78		P	10.8

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	41.67	0.0000	P	20.8
2	☐	1.000	0.915	1866.86	0.0005	P	6.6
3	☐	50.000	50.474	101338.66	0.0286	P	2.9
4	☐	125.000	126.210	255055.66	0.0716	P	0.3
5	☐	250.000	278.035	530047.76	0.1577	P	10.7
6	☐	500.000	502.897	1025826.35	0.2852	P	1.8
7	☐	1000.000	991.368	2038631.51	0.5622	A	0.3
8	☐			1333.44	0.0004	P	12.0

$$y = 5.6712\text{E-}004 * x + 1.1857\text{E-}005$$

$$R = 0.9995$$

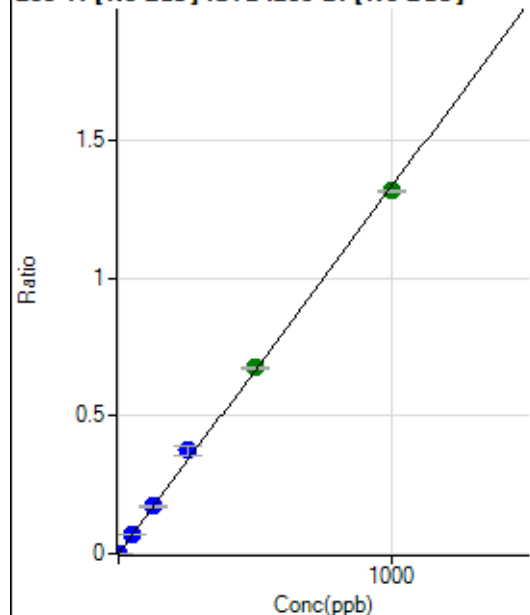
$$DL = 0.01304$$

$$BEC = 0.02091$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	116.67	0.0000	P	39.4
2	☐	1.000	0.944	4545.35	0.0013	P	3.7
3	☐	50.000	51.336	242369.46	0.0685	P	3.4
4	☐	125.000	128.408	610243.61	0.1713	P	0.4
5	☐	250.000	281.947	1264848.60	0.3760	P	9.6
6	☐	500.000	505.753	2426166.61	0.6745	A	1.2
7	☐	1000.000	988.644	4780849.15	1.3185	A	0.6
8	☐			3081.03	0.0009	P	8.9

$$y = 0.0013 * x + 3.3267E-005$$

$$R = 0.9994$$

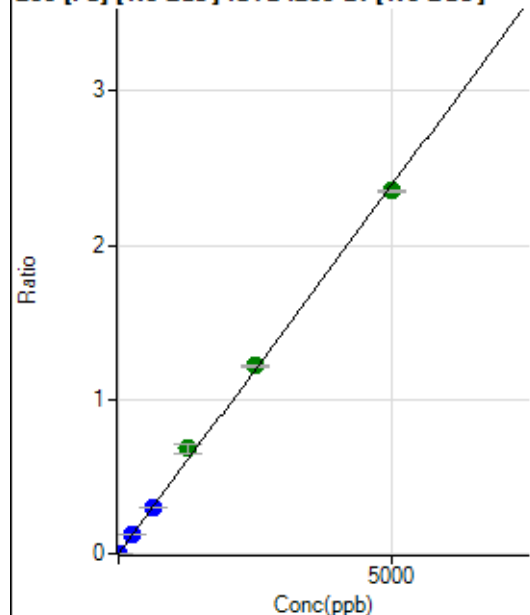
$$DL = 0.02945$$

$$BEC = 0.02494$$

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	522.25	0.0001	P	3.2
2	☐	1.000	0.881	2002.04	0.0006	P	3.3
3	☐	250.000	254.002	429371.63	0.1214	P	3.6
4	☐	625.000	635.356	1080732.55	0.3033	P	0.8
5	☐	1250.000	1427.094	2291692.85	0.6812	A	9.1
6	☐	2500.000	2552.953	4382591.94	1.2184	A	1.2
7	☐	5000.000	4927.755	8527077.51	2.3516	A	0.4
8	☐			4791.73	0.0014	P	2.3

$$y = 4.7719E-004 * x + 1.4834E-004$$

$$R = 0.9992$$

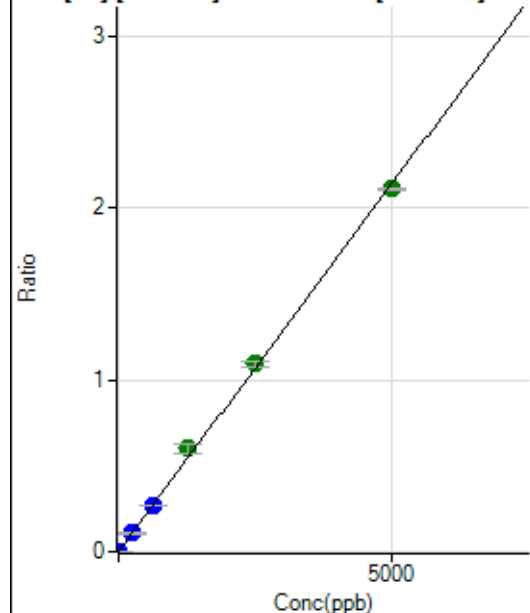
$$DL = 0.02986$$

$$BEC = 0.3109$$

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	450.02	0.0001	P	11.2
2	☐	1.000	0.944	1872.39	0.0005	P	2.6
3	☐	250.000	250.904	380496.23	0.1075	P	3.3
4	☐	625.000	625.981	955216.43	0.2681	P	0.3
5	☐	1250.000	1402.080	2020920.02	0.6004	A	8.3
6	☐	2500.000	2552.791	3930917.91	1.0930	A	2.7
7	☐	5000.000	4935.417	7661806.19	2.1130	A	0.7
8	☐			4189.64	0.0012	P	3.9

$$y = 4.2810E-004 * x + 1.2802E-004$$

$$R = 0.9994$$

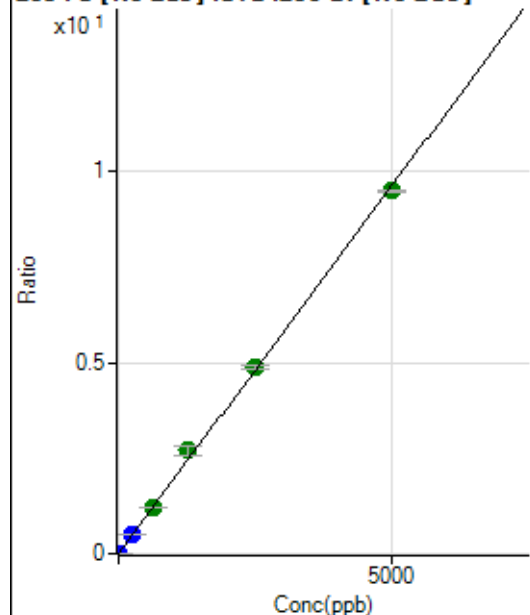
$$DL = 0.1005$$

$$BEC = 0.299$$

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	2120.49	0.0006	P	5.0
2	☐	1.000	0.873	8023.34	0.0023	P	1.2
3	☐	250.000	253.214	1723338.05	0.4870	P	2.6
4	☐	625.000	638.332	4370720.64	1.2268	A	0.5
5	☐	1250.000	1411.299	9123336.01	2.7115	A	9.1
6	☐	2500.000	2541.241	17559778.80	4.8820	A	1.9
7	☐	5000.000	4937.228	34390922.53	9.4844	A	0.3
8	☐			18766.69	0.0055	P	0.9

$$y = 0.0019 * x + 6.0269E-004$$

$$R = 0.9993$$

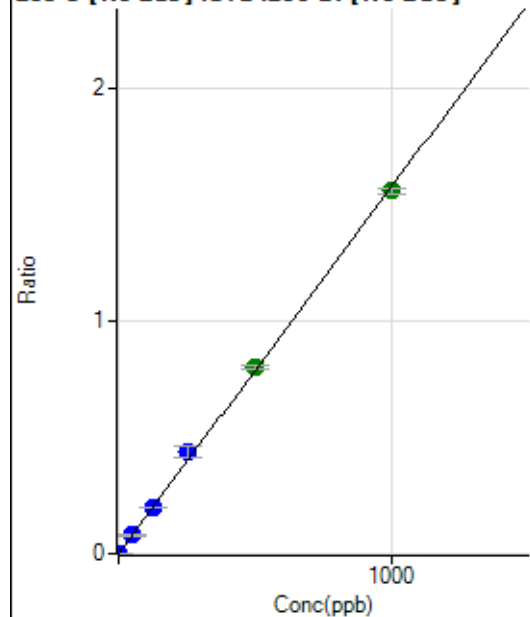
$$DL = 0.04752$$

$$BEC = 0.3138$$

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	19.44	0.0000	P	63.9
2	☐	1.000	0.928	5167.85	0.0015	P	6.0
3	☐	50.000	50.370	281325.45	0.0795	P	2.8
4	☐	125.000	125.195	703982.39	0.1976	P	0.6
5	☐	250.000	277.997	1475019.66	0.4387	P	10.4
6	☐	500.000	508.050	2884102.13	0.8018	A	2.3
7	☐	1000.000	988.933	5659165.27	1.5608	A	1.7
8	☐			686.15	0.0002	P	8.9

$$y = 0.0016 * x + 5.4838E-006$$

$$R = 0.9995$$

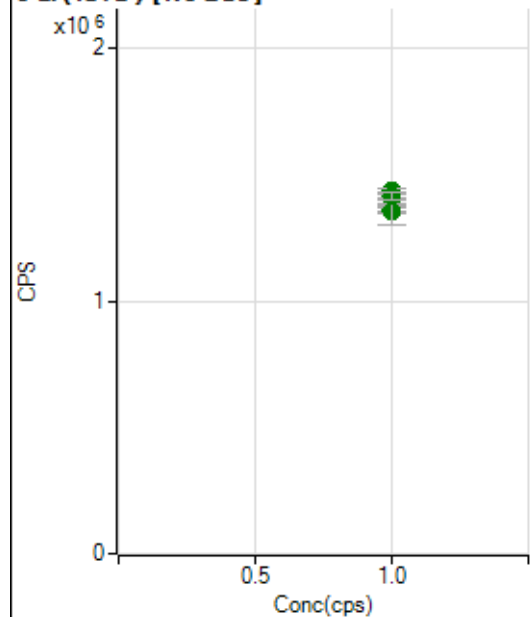
$$DL = 0.006664$$

$$BEC = 0.003475$$

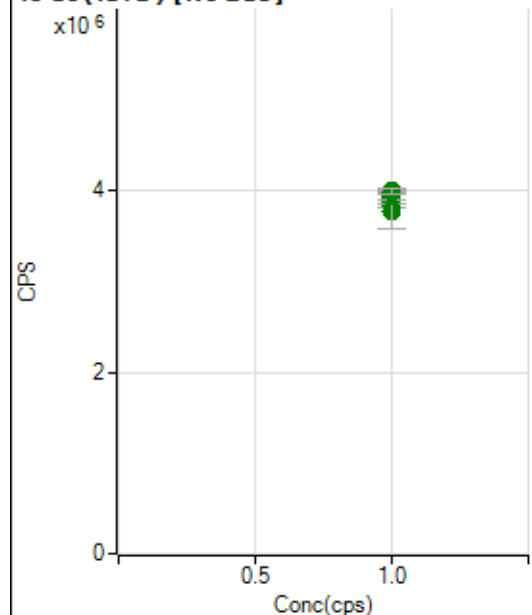
Weight: <None>

Min Conc: 0

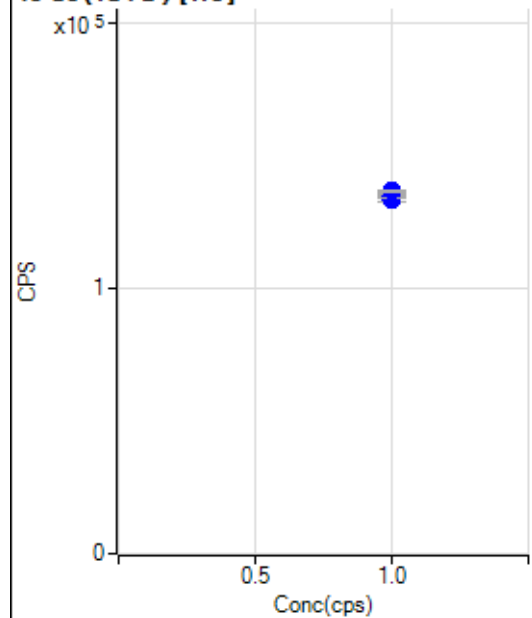
6 Li (ISTD) [No Gas]



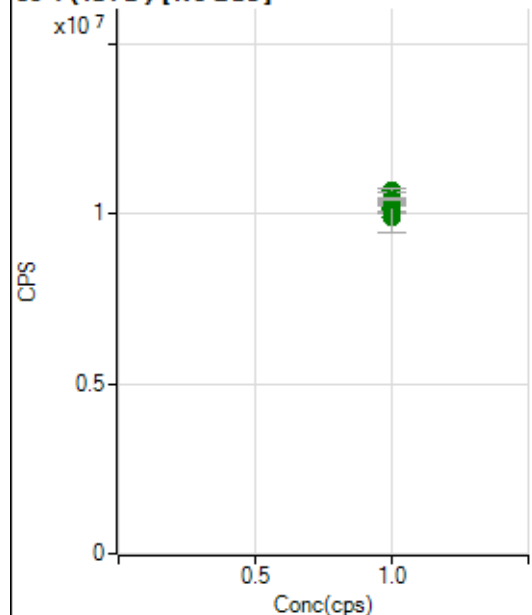
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		1366167.35		A	2.3
2	☐	1.000		1365548.92		A	2.0
3	☐	1.000		1362143.58		A	1.3
4	☐	1.000		1379444.66		A	0.6
5	☐	1.000		1353594.56		A	7.7
6	☐	1.000		1416224.63		A	1.0
7	☐	1.000		1437325.13		A	1.6
8	☐	1.000		1418877.41		A	2.0

45 Sc (ISTD) [No Gas]

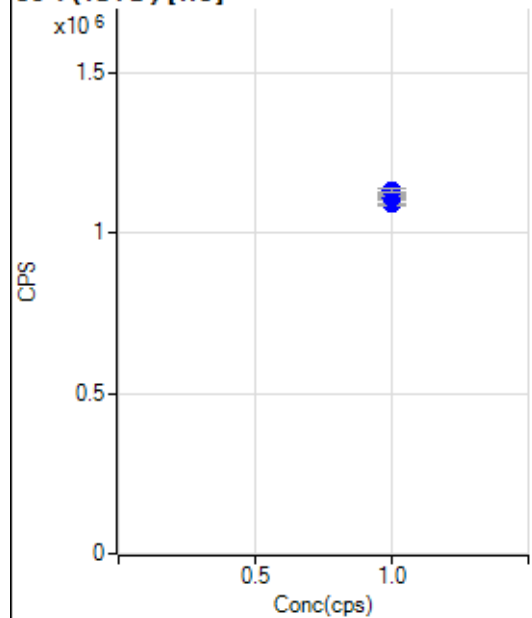
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		3887071.30		A	0.9
2	☐	1.000		3829015.22		A	1.0
3	☐	1.000		3908401.47		A	3.1
4	☐	1.000		3928159.87		A	1.3
5	☐	1.000		3767900.43		A	9.9
6	☐	1.000		3941532.96		A	2.4
7	☐	1.000		3999772.16		A	0.3
8	☐	1.000		3990270.29		A	1.5

45 Sc (ISTD) [He]

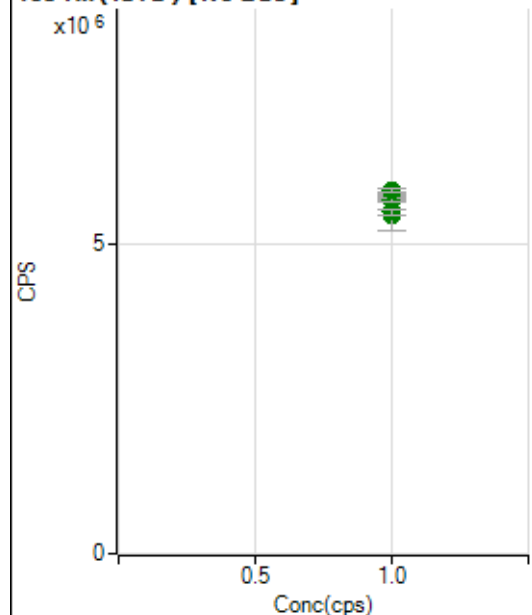
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		133430.73		P	1.3
2	☐	1.000		134125.32		P	0.3
3	☐	1.000		134549.26		P	0.3
4	☐	1.000		136553.66		P	0.1
5	☐	1.000		135872.32		P	1.4
6	☐	1.000		134744.53		P	1.3
7	☐	1.000		135046.09		P	1.3
8	☐	1.000		136671.94		P	0.3

89 Y (ISTD) [No Gas]

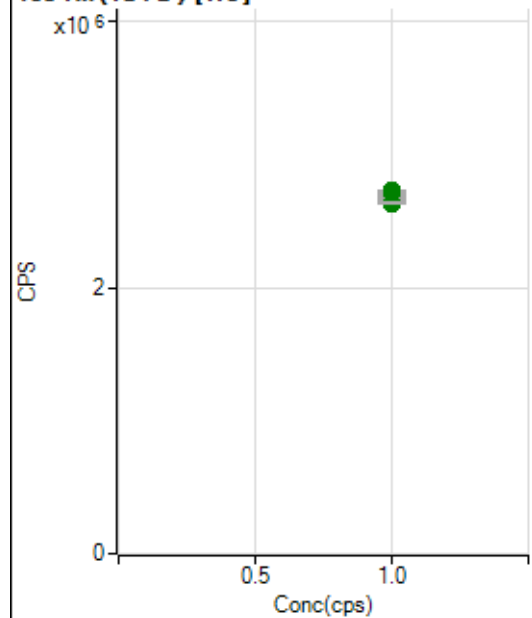
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		10257338.87		A	1.0
2	☐	1.000		10186049.15		A	1.8
3	☐	1.000		10140669.15		A	3.1
4	☐	1.000		10346334.01		A	0.8
5	☐	1.000		9917298.46		A	10.0
6	☐	1.000		10395652.83		A	1.4
7	☐	1.000		10668590.67		A	0.9
8	☐	1.000		10416096.65		A	0.8

89 Y (ISTD) [He]

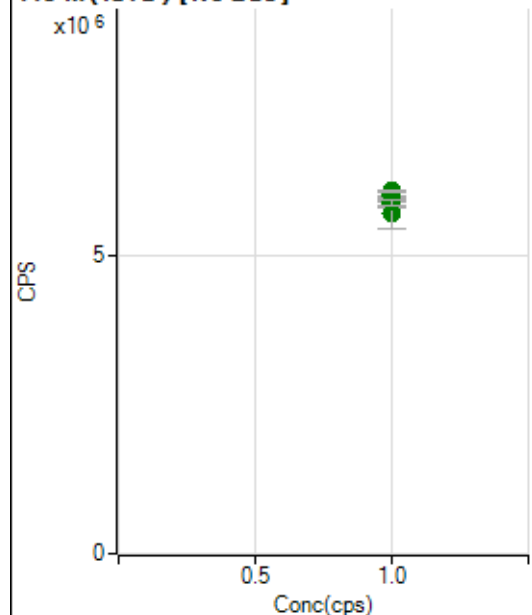
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		1101219.66		P	0.3
2	☐	1.000		1088923.84		P	0.5
3	☐	1.000		1111271.02		P	1.0
4	☐	1.000		1108305.87		P	0.4
5	☐	1.000		1110804.04		P	0.8
6	☐	1.000		1107677.68		P	0.6
7	☐	1.000		1116650.93		P	0.2
8	☐	1.000		1129965.63		P	0.9

103 Rh (ISTD) [No Gas]

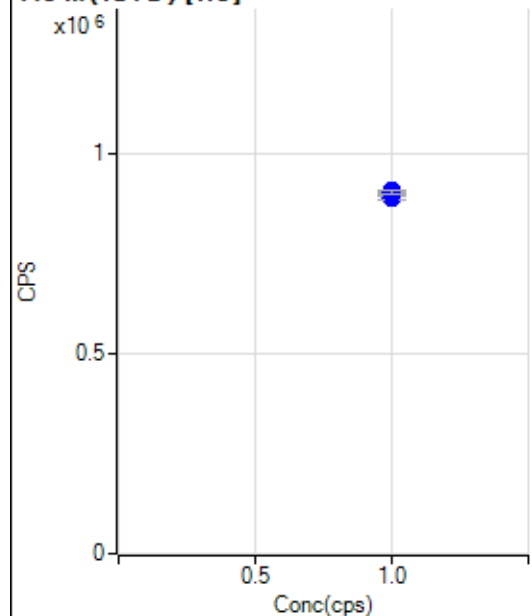
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		5771252.00		A	1.6
2	☐	1.000		5690332.12		A	1.2
3	☐	1.000		5773578.78		A	1.6
4	☐	1.000		5776826.56		A	0.7
5	☐	1.000		5443263.58		A	9.3
6	☐	1.000		5711380.73		A	1.2
7	☐	1.000		5844782.25		A	1.1
8	☐	1.000		5500861.93		A	1.5

103 Rh (ISTD) [He]

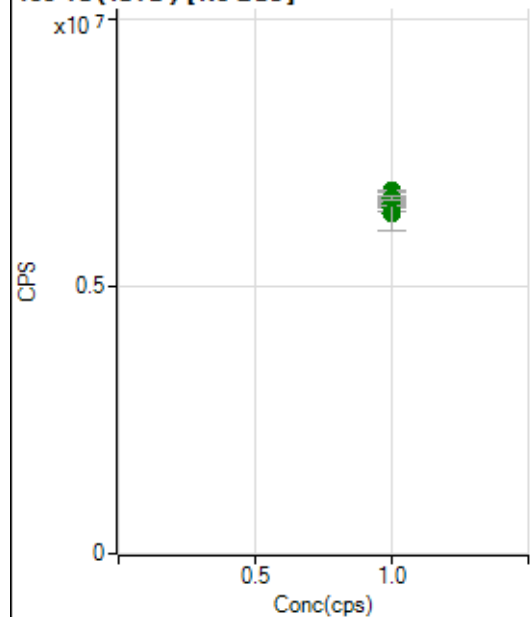
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		2725524.16		A	0.8
2	☐	1.000		2659560.52		A	1.7
3	☐	1.000		2686962.98		A	1.1
4	☐	1.000		2696205.15		A	0.9
5	☐	1.000		2667896.61		A	1.1
6	☐	1.000		2672212.89		A	0.9
7	☐	1.000		2664898.15		A	0.7
8	☐	1.000		2633459.49		A	0.9

115 In (ISTD) [No Gas]

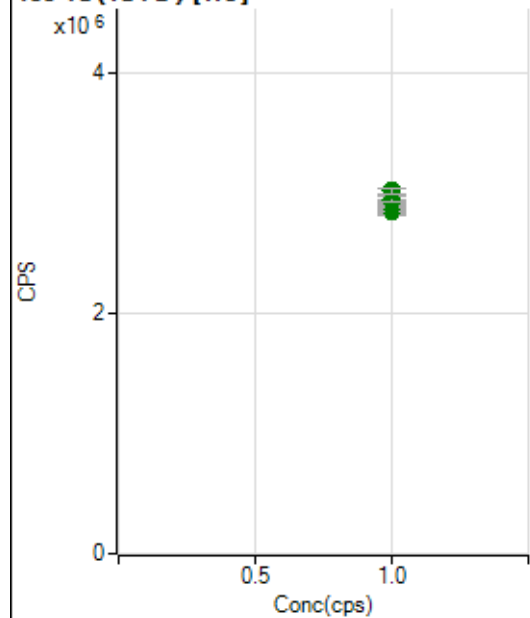
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		6015290.27		A	2.1
2	☐	1.000		5917290.71		A	1.4
3	☐	1.000		5844418.80		A	2.4
4	☐	1.000		6022231.26		A	1.3
5	☐	1.000		5692591.85		A	8.8
6	☐	1.000		5989204.66		A	1.4
7	☐	1.000		6068523.57		A	0.5
8	☐	1.000		5881246.52		A	1.7

115 In (ISTD) [He]

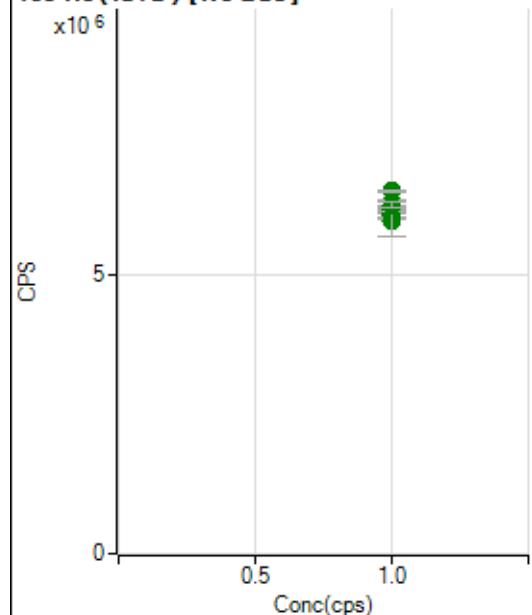
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		901751.01		P	1.1
2	☐	1.000		891715.99		P	0.9
3	☐	1.000		906589.34		P	0.9
4	☐	1.000		908816.46		P	0.4
5	☐	1.000		907521.39		P	0.9
6	☐	1.000		898482.65		P	0.8
7	☐	1.000		902383.05		P	0.7
8	☐	1.000		906218.02		P	0.8

159 Tb (ISTD) [No Gas]

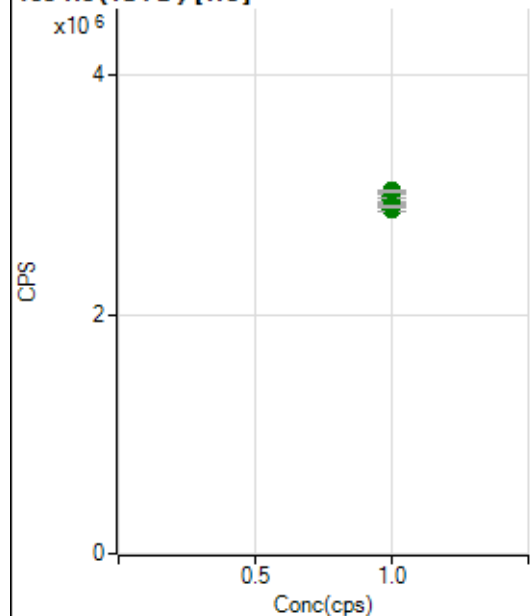
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		6556595.39		A	1.0
2	☐	1.000		6506550.32		A	1.0
3	☐	1.000		6475933.51		A	1.8
4	☐	1.000		6562138.03		A	1.3
5	☐	1.000		6371190.18		A	9.9
6	☐	1.000		6684215.11		A	0.4
7	☐	1.000		6793462.61		A	0.6
8	☐	1.000		6651045.04		A	1.2

159 Tb (ISTD) [He]

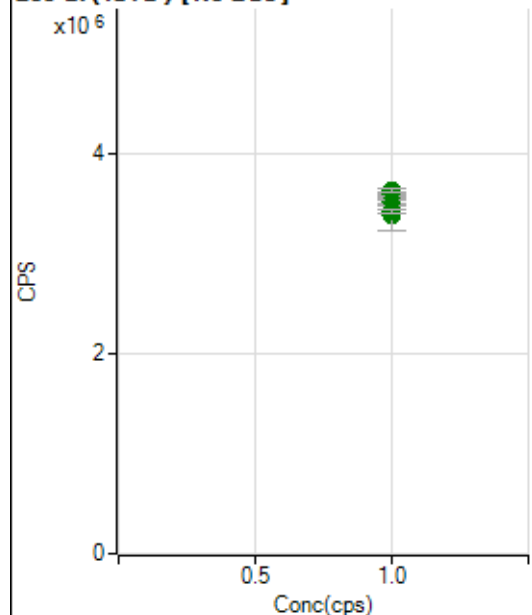
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		2865873.53		A	2.1
2	☐	1.000		2842902.39		A	1.8
3	☐	1.000		2861163.57		A	0.6
4	☐	1.000		2892460.30		A	1.0
5	☐	1.000		2892116.52		A	0.4
6	☐	1.000		2923430.41		A	1.4
7	☐	1.000		2950160.41		A	1.7
8	☐	1.000		3018432.14		A	1.7

165 Ho (ISTD) [No Gas]

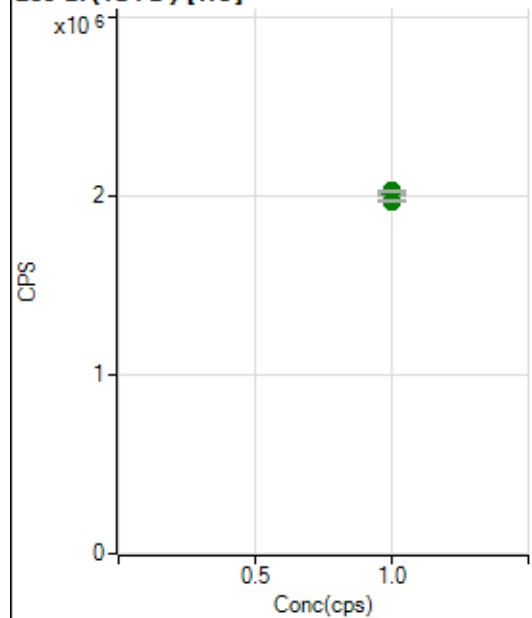
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		6037681.25		A	2.0
2	☐	1.000		6022517.15		A	1.8
3	☐	1.000		6088960.99		A	2.7
4	☐	1.000		6163486.34		A	0.9
5	☐	1.000		5935310.33		A	8.7
6	☐	1.000		6278567.37		A	1.4
7	☐	1.000		6485050.10		A	0.5
8	☐	1.000		6237869.02		A	1.7

165 Ho (ISTD) [He]

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		2875535.62		A	1.0
2	☐	1.000		2874404.68		A	0.8
3	☐	1.000		2912562.77		A	0.8
4	☐	1.000		2912411.94		A	0.8
5	☐	1.000		2957414.06		A	1.3
6	☐	1.000		2904779.23		A	0.4
7	☐	1.000		2993698.77		A	1.0
8	☐	1.000		3031671.31		A	0.8

209 Bi (ISTD) [No Gas]

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		3519288.63		A	1.8
2	☐	1.000		3519012.62		A	1.5
3	☐	1.000		3540611.96		A	3.1
4	☐	1.000		3562781.61		A	0.2
5	☐	1.000		3383541.41		A	9.3
6	☐	1.000		3597247.34		A	1.4
7	☐	1.000		3625972.90		A	0.9
8	☐	1.000		3414284.64		A	1.3

209 Bi (ISTD) [He]

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		1977324.90		A	0.3
2	☐	1.000		1972945.08		A	0.8
3	☐	1.000		2002106.59		A	0.2
4	☐	1.000		2008961.03		A	0.9
5	☐	1.000		2013797.49		A	1.4
6	☐	1.000		2006086.95		A	1.1
7	☐	1.000		2027666.24		A	0.2
8	☐	1.000		1968088.82		A	0.5

US EPA Tune Check Report

Operator Name Jaswal
Acq/Data Batch D:\Agilent\ICPMH\1\DATA\P8101520 MS.b
Acq. Date-Time 2020-10-15 14:29:01
Report Comment ---
Instrument Name G8403A SG19224459

[No Gas]

Sensitivity

Mass	Conc. [ug/l]	Count	CPS	Resp (Required) [cps/ug/l]	Resp (Flag)	RSD%	RSD% (Required)
9		2989	29888.82			1.336	5.000
24		54662	546624.89			1.080	5.000
25		7338	73378.78			0.983	5.000
26		8285	82847.65			1.130	5.000
59		23132	231321.75			1.216	5.000
113		3799	37985.04			1.528	5.000
115		11349	113486.61			1.364	5.000
206		4134	41338.59			1.781	5.000
207		3418	34184.89			1.609	5.000
208		8367	83669.60			1.720	5.000
220		1	8.40			34.038	

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

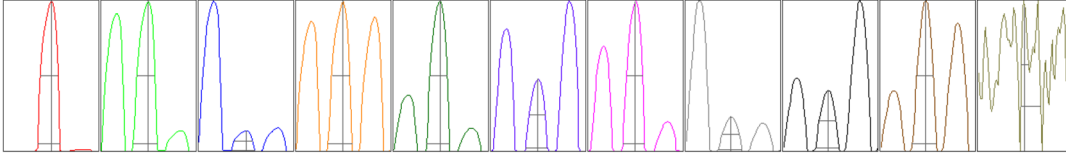
Mass	Rep#1 Count	Rep#2 Count	Rep#3 Count	Rep#4 Count	Rep#5 Count
9	2950	2989	2949	3015	3040
24	54575	54402	53951	54838	55546
25	7329	7288	7256	7379	7437
26	8237	8291	8153	8354	8388
59	23092	22958	22786	23355	23471
113	3780	3778	3732	3888	3816
115	11528	11448	11140	11376	11252
206	4084	4100	4064	4236	4186
207	3369	3427	3360	3493	3443
208	8313	8328	8199	8588	8407

US EPA Tune Check Report

Mass	Rep#1 Count	Rep#2 Count	Rep#3 Count	Rep#4 Count	Rep#5 Count
220	1	1	1	1	1

Integration Time [sec] 0.1

Resolution/Axis



Mass	Peak Height	Axis	Axis (Required)	Axis (Flag)
9	5682.39	9.05	8.90 - 9.10	
24	101421.94	24.00	23.90 - 24.10	
25	13356.22	25.05	24.90 - 25.10	
26	15560.99	26.00	25.90 - 26.10	
59	44719.46	59.00	58.90 - 59.10	
113	7815.71	113.00	112.90 - 113.10	
115	23372.03	115.00	114.90 - 115.10	
206	8104.25	205.95	205.90 - 206.10	
207	6716.26	206.95	206.90 - 207.10	
208	16654.70	207.95	207.90 - 208.10	
220	1.10	220.00	-	

Mass	W-50%	W-5%	W-5% (Required)	W-5% (Flag)
9	0.56	0.690	0.900	
24	0.56	0.769	0.900	
25	0.58	0.735	0.900	
26	0.57	0.769	0.900	
59	0.55	0.726	0.900	
113	0.51	0.683	0.900	
115	0.50	0.686	0.900	
206	0.53	0.743	0.900	
207	0.53	0.751	0.900	
208	0.52	0.771	0.900	
220	0.24	0.643		

Integration Time [sec] 0.1

Acquisition Time [sec] 256.770000000002

Y Axis Linear

Tune Parameters

Plasma Parameters

Plasma Mode HMI Nebulizer Gas 0.51 L/min Dilution Gas 0.46 L/min

US EPA Tune Check Report

RF Power	1600 W	Option Gas	---	Auxiliary Gas	0.90 L/min
RF Matching	1.40 V	Nebulizer Pump	0.10 rps	Plasma Gas	15.0 L/min
Sample Depth	10.0 mm	S/C Temp	2 °C		

Lens Parameters

Extract 1	-6.0 V	Omega Lens	10.4 V	Deflect	14.4 V
Extract 2	-230.0 V	Cell Entrance	-30 V	Plate Bias	-50 V
Omega Bias	-95 V	Cell Exit	-50 V		

Cell Parameters

Use Gas	No	3rd Gas Flow	---	Energy Discrimination	4.0 V
He Flow	0.0 mL/min	OctP Bias	-8.0 V		
H2 Flow	---	OctP RF	190 V		

QP Parameters

Mass Gain	122	Axis Gain	0.9991	QP Bias	-4.0 V
Mass Offset	125	Axis Offset	-0.02		

Hardware Settings

Torch

Torch H	0.7 mm	Torch V	-0.4 mm
---------	--------	---------	---------

EM

Discriminator	4.0 mV	Analog HV	2181 V	Pulse HV	1312 V
---------------	--------	-----------	--------	----------	--------

[He]

Sensitivity

Mass	Conc. [ug/l]	Count	CPS	Resp (Required) [cps/ug/l]	Resp (Flag)	RSD%	RSD% (Required)
59		5307	53073.06			2.330	
89		3184	31839.84			1.773	
205		10410	104097.07			2.033	

Mass	RSD% (Flag)
59	
89	
205	

Mass	Rep#1 Count	Rep#2 Count	Rep#3 Count	Rep#4 Count	Rep#5 Count
59	5424	5300	5307	5109	5398
89	3264	3147	3215	3122	3173
205	10727	10308	10453	10153	10408

Integration Time [sec] 0.1

Tune Parameters

Plasma Parameters

Plasma Mode	HMI	Nebulizer Gas	0.51 L/min	Dilution Gas	0.46 L/min
RF Power	1600 W	Option Gas	---	Auxiliary Gas	0.90 L/min
RF Matching	1.40 V	Nebulizer Pump	0.10 rps	Plasma Gas	15.0 L/min
Sample Depth	10.0 mm	S/C Temp	2 °C		

Lens Parameters

Extract 1	-6.0 V	Omega Lens	10.4 V	Deflect	4.8 V
-----------	--------	------------	--------	---------	-------

US EPA Tune Check Report

Extract 2	-230.0 V	Cell Entrance	-50 V	Plate Bias	-60 V
Omega Bias	-95 V	Cell Exit	-70 V		
Cell Parameters					
Use Gas	Yes	3rd Gas Flow	---	Energy Discrimination	5.0 V
He Flow	4.5 mL/min	OctP Bias	-18.0 V		
H2 Flow	---	OctP RF	200 V		
QP Parameters					
Mass Gain	122	Axis Gain	0.9991	QP Bias	-13.0 V
Mass Offset	125	Axis Offset	-0.02		
Hardware Settings					
Torch					
Torch H	0.7 mm	Torch V	-0.4 mm		
EM					
Discriminator	4.0 mV	Analog HV	2181 V	Pulse HV	1312 V