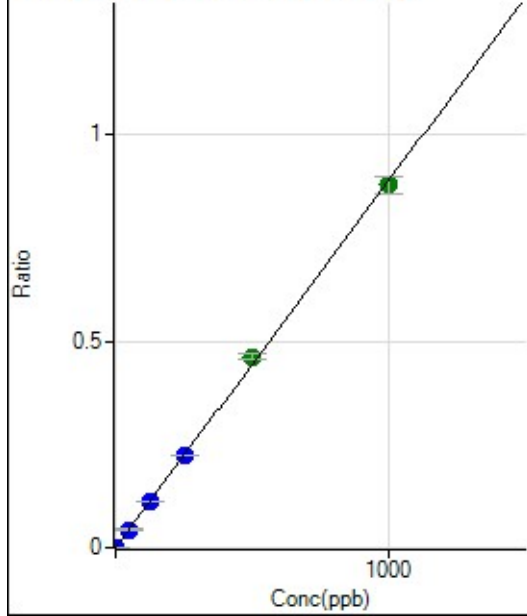


Calibration for 018ICSB.d

Batch Folder: C:\Agilent\ICPMH\1\DATA\P7011422 MS.b\
 Analysis File: P7011422 MS.batch.bin
 DA Date-Time: 01/14/22 17:02:01
 Calibration Title:
 Calibration Method: External Calibration
 VIS Interpolation Fit:

Level	Standard Data File	Sample Name	Acq. Date-Time
1	003CALB.d	S00	01/14/22 13:08:38
2	005CALS.d	S02	01/14/22 13:14:31
3	006CALS.d	S03	01/14/22 13:17:35
4	007CALS.d	S04	01/14/22 13:20:29
5	008CALS.d	S05	01/14/22 13:23:12
6	009CALS.d	S06	01/14/22 13:25:51
7	010CALS.d	S07	01/14/22 13:28:28
8	011CALS.d	S08	01/14/22 13:31:05

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



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	66.67	0.0000	P	7.5
2	☐	1.000	0.994	2401.32	0.0009	P	4.2
3	☐	50.000	49.698	118567.10	0.0442	P	2.6
4	☐	125.000	125.037	291466.77	0.1111	P	0.8
5	☐	250.000	250.110	578884.12	0.2222	P	0.2
6	☐	500.000	521.527	1162434.14	0.4633	A	3.1
7	☐	1000.000	989.219	2235359.93	0.8788	A	4.6
8	☐			2213.51	0.0009	P	6.9

$$y = 8.8838\text{E-}004 * x + 2.5218\text{E-}005$$

$$R = 0.9997$$

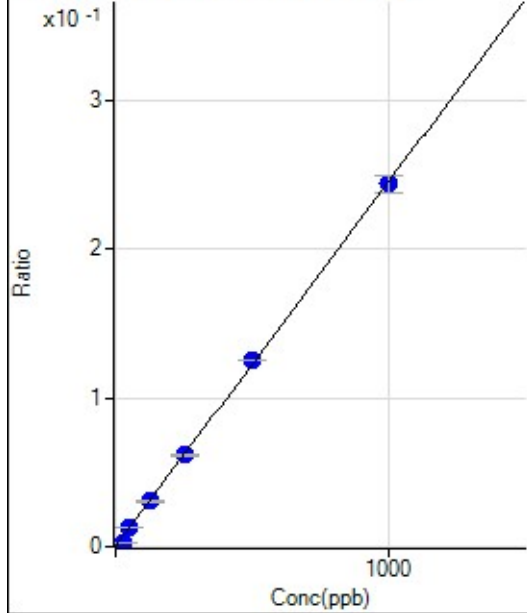
$$DL = 0.006381$$

$$BEC = 0.02839$$

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	425.02	0.0002	P	8.2
2	☐	25.000	11.955	8152.39	0.0031	P	6.7
3	☐	50.000	50.254	33447.73	0.0125	P	2.2
4	☐	125.000	124.923	80634.53	0.0307	P	2.9
5	☐	250.000	251.478	160774.45	0.0617	P	2.3
6	☐	500.000	510.568	314104.05	0.1251	P	0.2
7	☐	1000.000	994.669	619681.23	0.2436	P	4.9
8	☐			10920.83	0.0043	P	9.4

$$y = 2.4477\text{E-}004 * x + 1.6067\text{E-}004$$

$$R = 0.9998$$

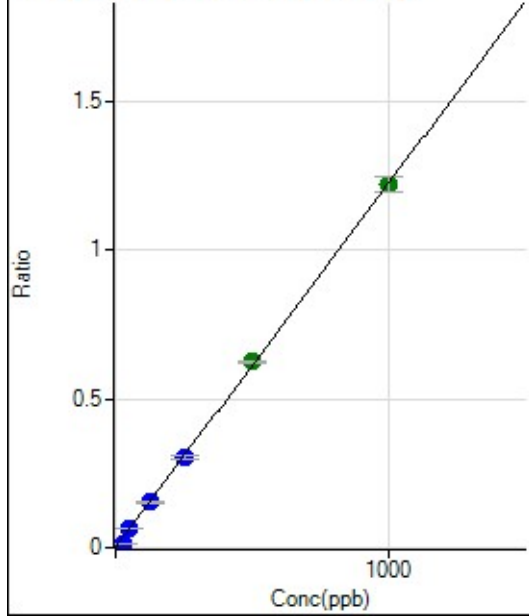
$$DL = 0.1613$$

$$BEC = 0.6564$$

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	2102.97	0.0008	P	11.7
2	☐	25.000	11.537	39464.65	0.0149	P	2.6
3	☐	50.000	49.921	166321.62	0.0619	P	1.1
4	☐	125.000	124.939	403549.04	0.1538	P	2.5
5	☐	250.000	247.702	792487.24	0.3042	P	2.9
6	☐	500.000	509.923	1569567.80	0.6254	A	1.2
7	☐	1000.000	995.961	3105535.88	1.2207	A	4.1
8	☐			53694.11	0.0211	P	9.1

$$y = 0.0012 * x + 7.9719E-004$$

$$R = 0.9998$$

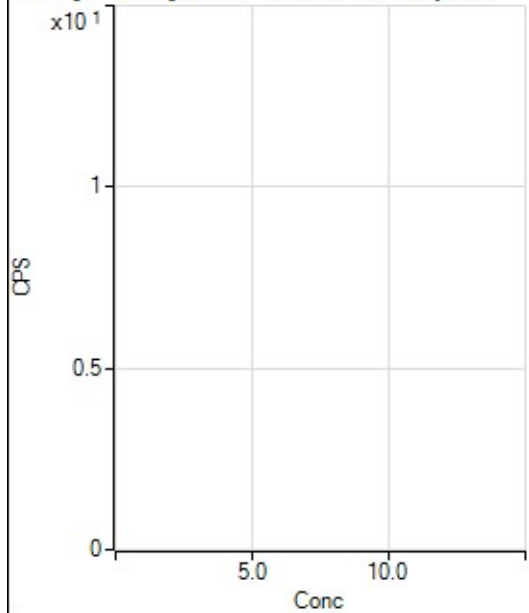
$$DL = 0.2285$$

$$BEC = 0.6508$$

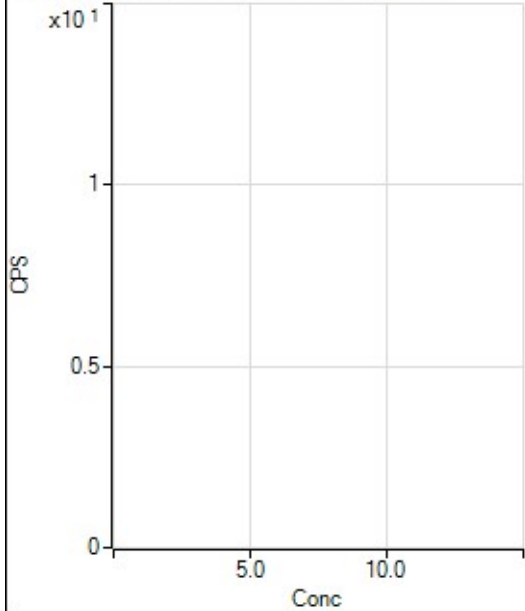
Weight: <None>

Min Conc: 0

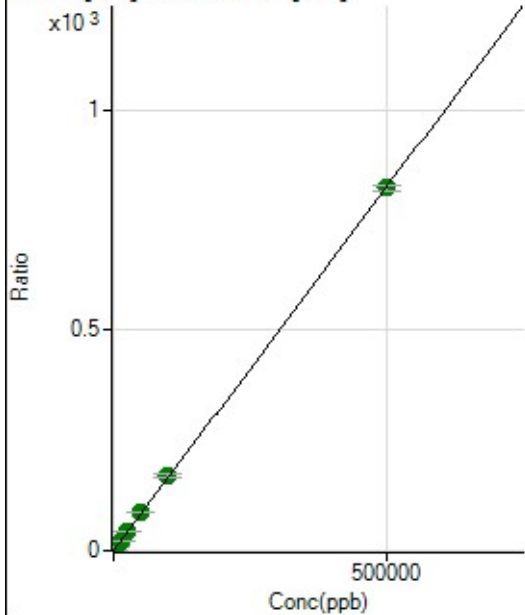
12 C [No Gas] No available calibration points



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

12 C [He] No available calibration points

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

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	18281.39	0.0297	P	8.2
2	☐	500.000	474.119	477518.08	0.8116	P	0.9
3	☐	5000.000	4719.671	4995962.15	7.8127	A	6.9
4	☐	12500.000	12494.643	12381150.04	20.6341	A	2.3
5	☐	25000.000	25428.287	24262919.06	41.9625	A	0.4
6	☐	50000.000	52312.778	48142871.91	86.2967	A	0.7
7	☐	100000.00	103627.36	97994141.08	170.9175	A	4.2
8	☐	500000.00	499024.79	479514258.87	822.9520	A	1.8

$$y = 0.0016 * x + 0.0297$$

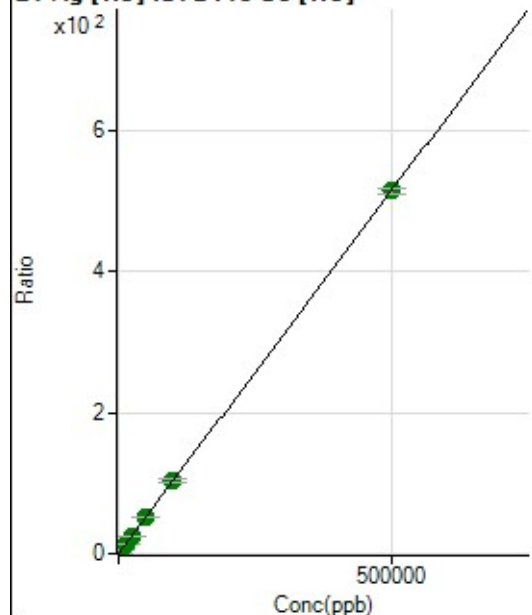
$$R = 1.0000$$

$$DL = 4.413$$

$$BEC = 18.02$$

Weight: <None>

Min Conc: 0

24 Mg [He] ISTD:45 Sc [He]

	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	281.49	0.0005	P	2.8
2	☐	500.000	471.453	285357.62	0.4850	P	0.7
3	☐	5000.000	4688.556	3081531.06	4.8189	A	6.9
4	☐	12500.000	12282.082	7575125.92	12.6228	A	1.4
5	☐	25000.000	25021.903	14869079.15	25.7157	A	0.6
6	☐	50000.000	51295.604	29409507.83	52.7173	A	0.4
7	☐	100000.00	100636.17	59307502.71	103.4250	A	3.4
8	☐	500000.00	499750.70	299248054.84	513.5980	A	1.9

$$y = 0.0010 * x + 4.5564E-004$$

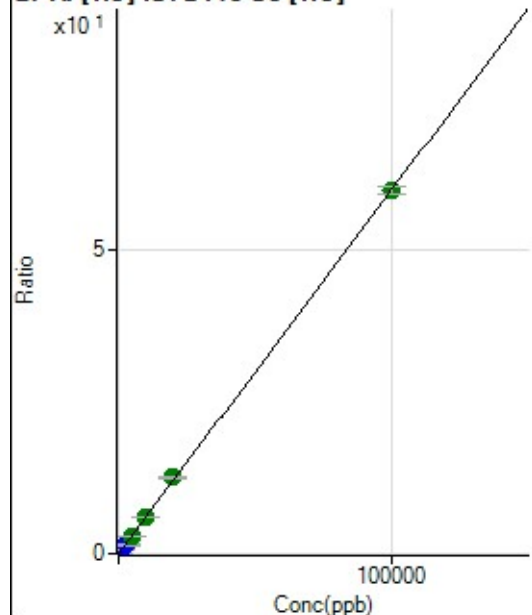
$$R = 1.0000$$

$$DL = 0.03666$$

$$BEC = 0.4434$$

Weight: <None>

Min Conc: 0

27 Al [He] ISTD:45 Sc [He]

	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	314.82	0.0005	P	13.3
2	☐	20.000	18.166	6677.49	0.0113	P	0.2
3	☐	1000.000	948.787	362183.43	0.5664	P	7.0
4	☐	2500.000	2389.564	855475.41	1.4258	P	2.2
5	☐	5000.000	4884.070	1684668.12	2.9137	A	0.8
6	☐	10000.000	10224.503	3402395.45	6.0990	A	0.4
7	☐	20000.000	20981.969	7177502.25	12.5154	A	3.0
8	☐	100000.00	99790.226	34678815.36	59.5213	A	2.1

$$y = 5.9646E-004 * x + 5.1296E-004$$

$$R = 0.9999$$

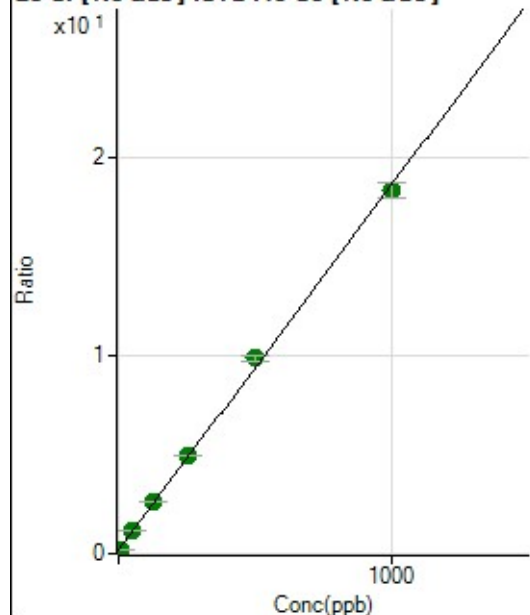
$$DL = 0.3443$$

$$BEC = 0.86$$

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	969334.23	0.1777	M	11.3
2	☐	10.000	2.446	1218536.07	0.2228	A	3.5
3	☐	50.000	54.042	6600774.93	1.1747	A	1.2
4	☐	125.000	131.852	14247249.62	2.6104	A	1.4
5	☐	250.000	258.179	26945316.57	4.9411	A	1.2
6	☐	500.000	526.280	50780919.19	9.8877	A	3.4
7	☐	1000.000	983.832	98166253.59	18.3297	A	4.4
8	☐			1658246.30	0.3221	A	11.0

$$y = 0.0185 * x + 0.1777$$

$$R = 0.9993$$

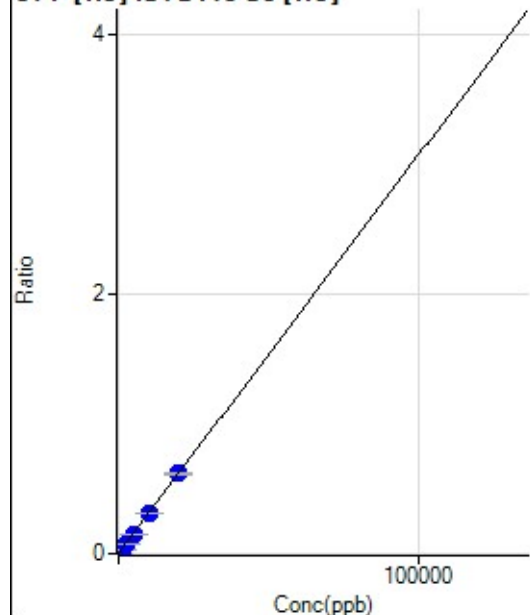
$$DL = 3.274$$

$$BEC = 9.629$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	-11.859	1083.40	0.0018	P	8.4
2	☐	0.000	11.859	1464.00	0.0025	P	2.6
3	☐	1000.000	937.440	19771.51	0.0309	P	6.2
4	☐	2500.000	2434.485	46128.54	0.0769	P	2.4
5	☐	5000.000	4933.814	88832.65	0.1536	P	0.7
6	☐	10000.000	10079.567	173852.09	0.3116	P	1.3
7	☐	20000.000	19988.080	353168.71	0.6159	P	3.8
8	☐			1597.34	0.0027	P	11.2

$$y = 3.0708E-005 * x + 0.0021$$

$$R = 1.0000$$

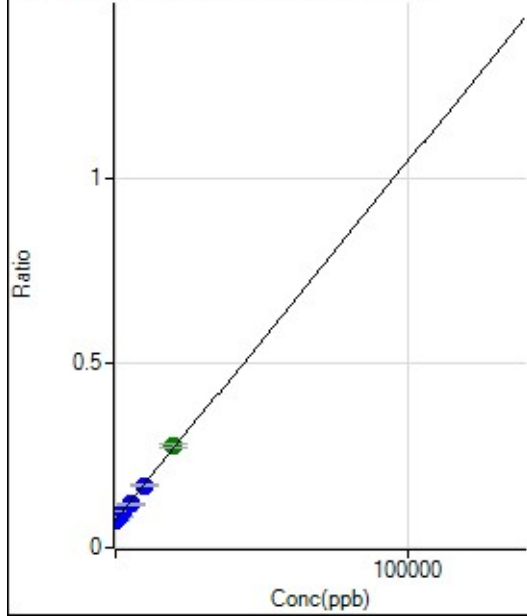
$$DL = 10.39$$

$$BEC = 69.18$$

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	-18.922	410866.97	0.0755	P	3.2
2	☐	0.000	18.922	415074.13	0.0759	P	2.3
3	☐	1000.000	781.058	468062.19	0.0833	P	1.5
4	☐	2500.000	2234.080	531939.10	0.0975	P	0.8
5	☐	5000.000	4346.737	643660.39	0.1180	P	1.5
6	☐	10000.000	9500.264	863995.77	0.1682	P	3.5
7	☐	20000.000	20457.371	1472903.86	0.2750	A	3.6
8	☐			328996.67	0.0639	P	9.7

$$y = 9.7412E-006 * x + 0.0757$$

R = 0.9990

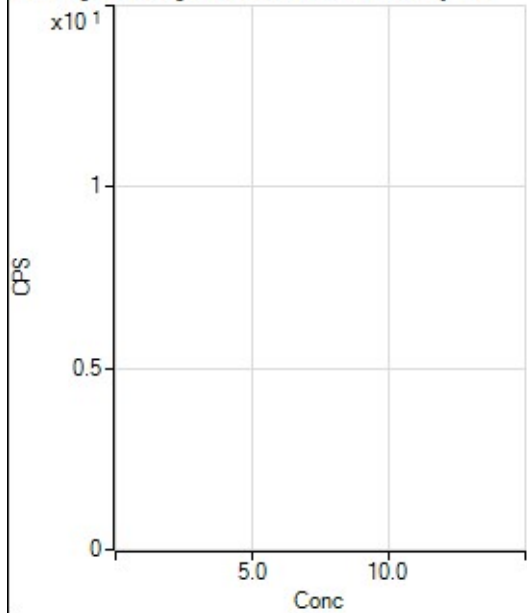
DL = 638.3

BEC = 7771

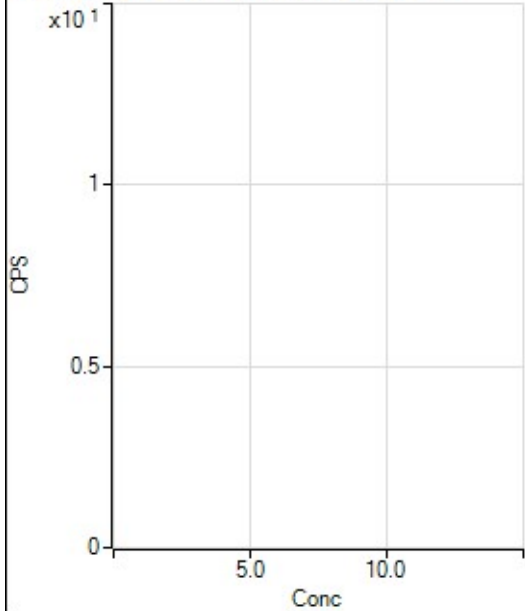
Weight: <None>

Min Conc: 0

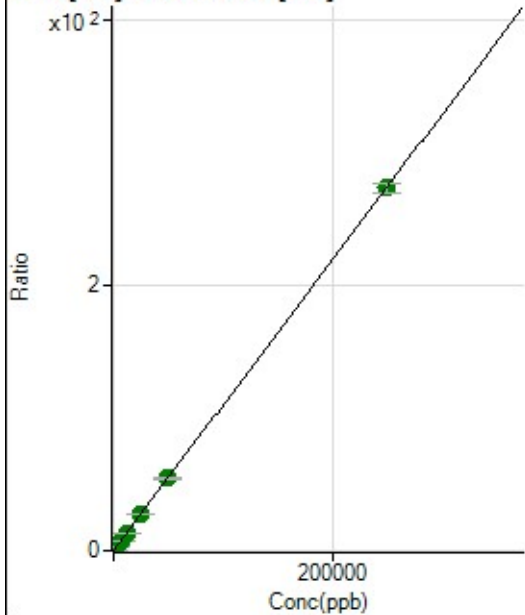
35 Cl [No Gas] No available calibration points



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

35 Cl [He] No available calibration points

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

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	83213.80	0.1353	P	8.3
2	☐	500.000	504.969	404006.44	0.6867	P	1.0
3	☐	2500.000	2317.083	1703949.59	2.6652	A	7.5
4	☐	6250.000	6105.764	4081590.72	6.8019	A	1.7
5	☐	12500.000	12323.538	7858322.22	13.5907	A	0.5
6	☐	25000.000	25175.243	15409335.41	27.6228	A	1.0
7	☐	50000.000	49987.593	31374173.62	54.7141	A	3.5
8	☐	250000.00	249999.20	159112736.89	273.0960	A	2.4

$$y = 0.0011 * x + 0.1353$$

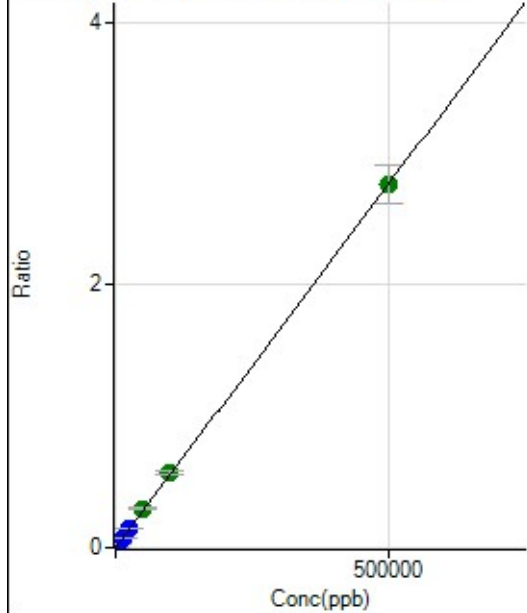
$$R = 1.0000$$

$$DL = 30.89$$

$$BEC = 123.9$$

Weight: <None>

Min Conc: 0

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

	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	233.34	0.0000	P	26.8
2	☐	500.000	484.845	14899.35	0.0027	P	4.8
3	☐	5000.000	5354.342	166705.75	0.0297	P	0.8
4	☐	12500.000	13387.113	404534.05	0.0741	P	1.4
5	☐	25000.000	26680.806	805262.83	0.1477	P	0.8
6	☐	50000.000	53875.348	1531383.25	0.2981	A	2.7
7	☐	100000.00	102597.17	3040184.20	0.5677	A	4.6
8	☐	500000.00	498983.28	14215387.99	2.7608	A	10.6

$$y = 5.5328\text{E-}006 * x + 4.2650\text{E-}005$$

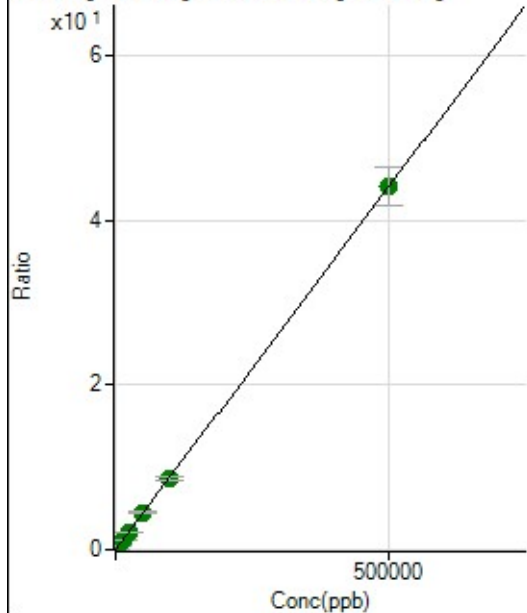
$$R = 1.0000$$

$$DL = 6.191$$

$$BEC = 7.709$$

Weight: <None>

Min Conc: 0

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

	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	10515.05	0.0019	P	8.4
2	☐	500.000	490.512	246800.38	0.0451	P	3.0
3	☐	5000.000	4999.105	2484428.57	0.4421	A	0.6
4	☐	12500.000	12444.176	5991391.28	1.0977	A	0.9
5	☐	25000.000	24593.955	11820286.81	2.1674	A	0.8
6	☐	50000.000	51311.231	23216122.22	4.5199	A	2.9
7	☐	100000.00	98433.153	46427601.04	8.6690	A	4.4
8	☐	500000.00	500203.96	226760056.46	44.0452	A	10.8

$$y = 8.8051\text{E-}005 * x + 0.0019$$

$$R = 1.0000$$

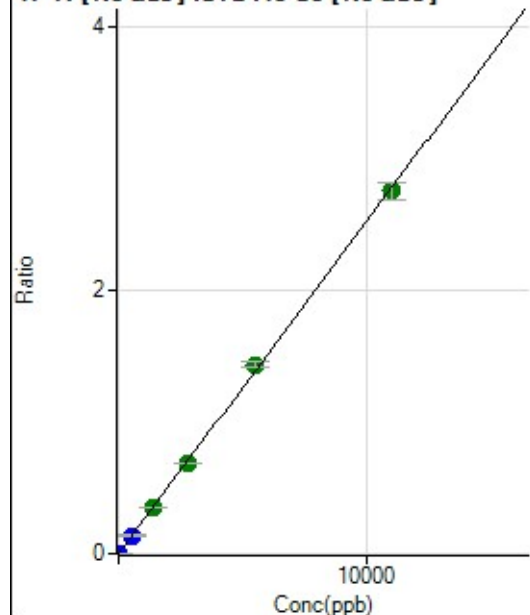
$$DL = 5.532$$

$$BEC = 21.97$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	102.78	0.0000	P	7.5
2	☐	5.000	4.997	7012.95	0.0013	P	4.5
3	☐	550.000	546.873	776485.03	0.1382	P	1.7
4	☐	1375.000	1381.901	1905918.38	0.3492	A	1.0
5	☐	2750.000	2722.782	3751944.44	0.6880	A	0.3
6	☐	5500.000	5691.191	7385969.18	1.4380	A	2.9
7	☐	11000.000	10910.503	14762938.52	2.7567	A	4.7
8	☐			5687.33	0.0011	P	6.0

$$y = 2.5267\text{E-}004 * x + 1.8862\text{E-}005$$

$$R = 0.9998$$

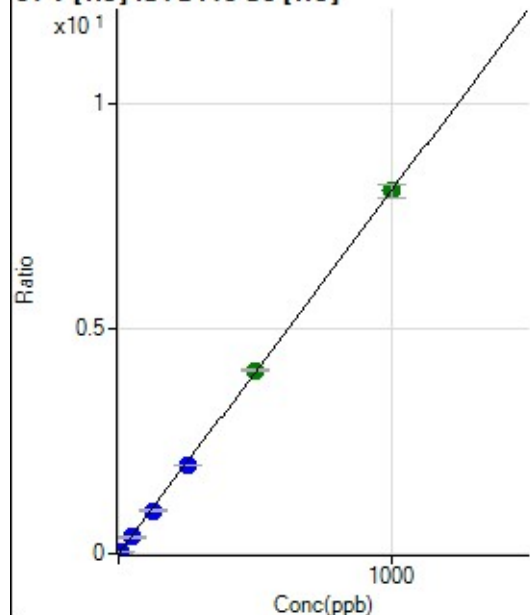
$$DL = 0.01677$$

$$BEC = 0.07465$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	10.00	0.0000	P	30.2
2	☐	5.000	4.701	22327.69	0.0379	P	1.5
3	☐	50.000	45.102	232742.61	0.3639	P	6.4
4	☐	125.000	119.088	576533.77	0.9608	P	2.2
5	☐	250.000	243.593	1136402.74	1.9654	P	0.2
6	☐	500.000	505.608	2275753.49	4.0794	A	0.5
7	☐	1000.000	999.783	4625309.13	8.0665	A	3.8
8	☐			3724.94	0.0064	P	5.9

$$y = 0.0081 * x + 1.6085\text{E-}005$$

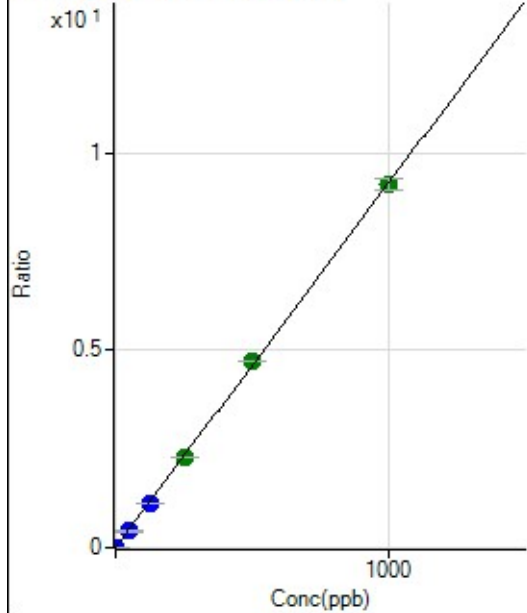
$$R = 0.9999$$

$$DL = 0.001806$$

$$BEC = 0.001994$$

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	2282.42	0.0037	P	9.9
2	☐	2.000	1.897	12478.57	0.0212	P	3.5
3	☐	50.000	45.740	272202.60	0.4257	P	6.7
4	☐	125.000	121.408	674246.77	1.1237	P	2.0
5	☐	250.000	247.968	1324752.55	2.2911	A	0.5
6	☐	500.000	511.597	2634824.41	4.7230	A	0.4
7	☐	1000.000	995.372	5267696.27	9.1857	A	3.2
8	☐			19176.71	0.0329	P	2.3

$$y = 0.0092 * x + 0.0037$$

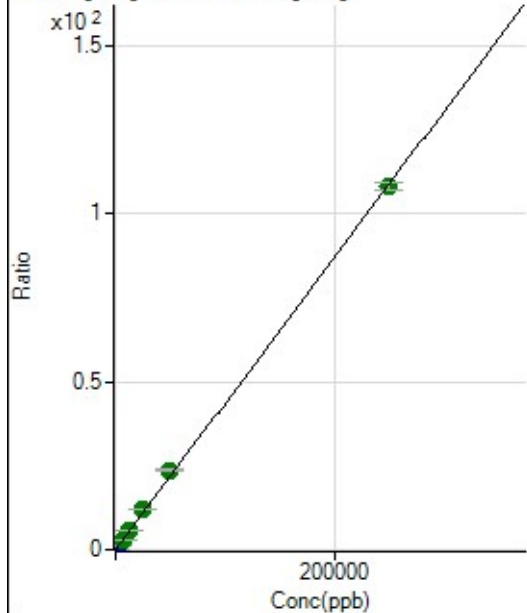
$$R = 0.9999$$

$$DL = 0.12$$

$$BEC = 0.4026$$

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	2245.81	0.0037	P	16.2
2	☐	50.000	55.937	16445.85	0.0279	P	2.1
3	☐	2500.000	2603.881	725176.40	1.1342	P	7.2
4	☐	6250.000	6700.725	1747891.81	2.9128	A	1.8
5	☐	12500.000	13556.242	3405229.69	5.8892	A	1.0
6	☐	25000.000	27964.297	6775053.72	12.1446	A	0.7
7	☐	50000.000	54541.137	13579355.86	23.6832	A	4.0
8	☐	250000.00	248730.22	62920630.50	107.9922	A	2.0

$$y = 4.3416E-004 * x + 0.0037$$

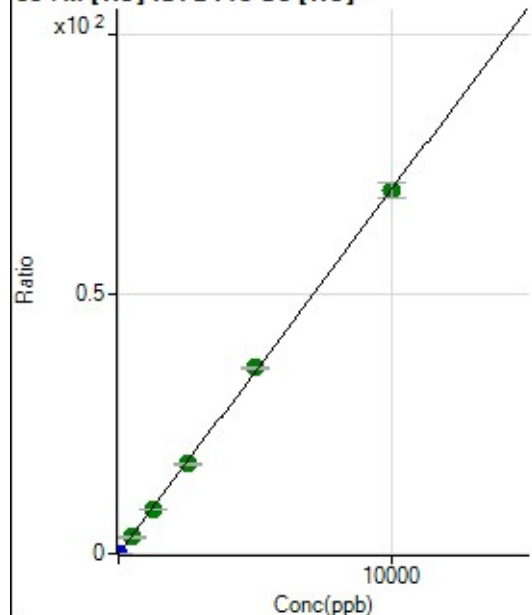
$$R = 0.9998$$

$$DL = 4.094$$

$$BEC = 8.435$$

Weight: <None>

Min Conc: 0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	213.34	0.0003	P	18.5
2	☐	1.000	0.970	4205.07	0.0072	P	6.9
3	☐	500.000	454.441	2039311.41	3.1890	A	6.8
4	☐	1250.000	1214.611	5114426.14	8.5230	A	1.6
5	☐	2500.000	2460.038	9981014.02	17.2619	A	0.6
6	☐	5000.000	5104.628	19982096.51	35.8183	A	0.8
7	☐	10000.000	9964.378	40087756.35	69.9181	A	4.1
8	☐			46647.70	0.0801	P	2.2

$$y = 0.0070 * x + 3.4434E-004$$

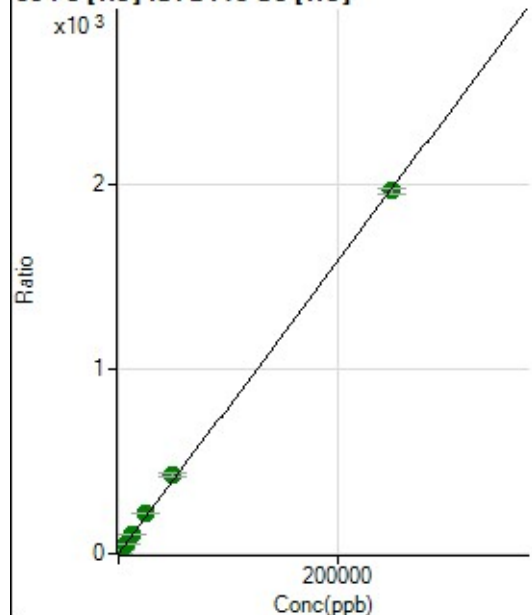
$$R = 0.9999$$

$$DL = 0.02724$$

$$BEC = 0.04907$$

Weight: <None>

Min Conc: 0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	14377.44	0.0234	P	6.2
2	☐	50.000	53.186	260923.92	0.4435	P	1.8
3	☐	2500.000	2491.290	12601584.77	19.7030	A	6.5
4	☐	6250.000	6565.647	31137784.03	51.8879	A	1.5
5	☐	12500.000	13363.670	61052440.72	105.5881	A	0.7
6	☐	25000.000	27750.065	122302356.44	219.2317	A	0.6
7	☐	50000.000	54332.431	246103061.06	429.2159	A	3.9
8	☐	250000.00	248807.51	1145241610.7	1,965.448	A	1.3

$$y = 0.0079 * x + 0.0234$$

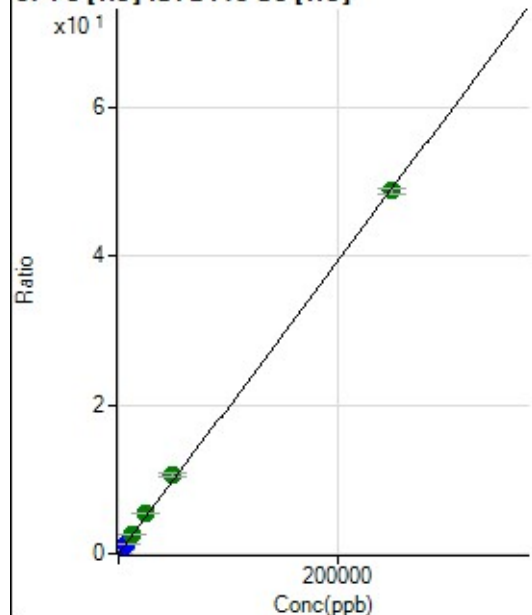
$$R = 0.9998$$

$$DL = 0.5465$$

$$BEC = 2.957$$

Weight: <None>

Min Conc: 0

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

	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	837.08	0.0014	P	7.0
2	☐	50.000	53.554	6964.67	0.0118	P	0.8
3	☐	2500.000	2535.755	318179.02	0.4975	P	6.4
4	☐	6250.000	6645.135	780970.73	1.3015	P	1.9
5	☐	12500.000	13439.971	1521249.53	2.6310	A	0.5
6	☐	25000.000	27453.145	2997244.66	5.3727	A	0.6
7	☐	50000.000	53938.339	6052959.91	10.5547	A	3.1
8	☐	250000.00	248909.78	28376528.18	48.7021	A	1.7

$$y = 1.9566\text{E-}004 * x + 0.0014$$

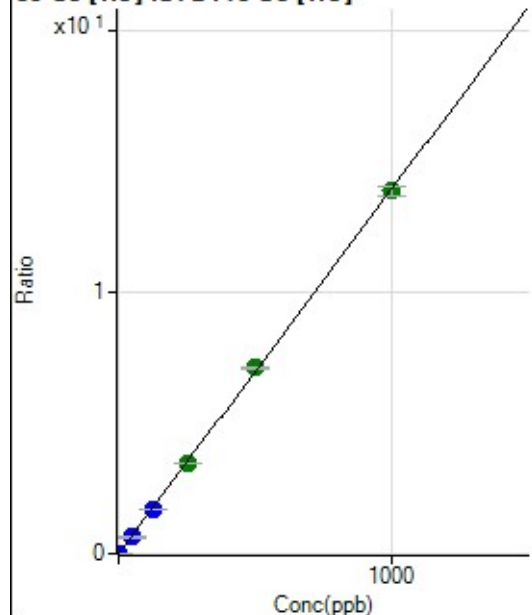
R = 0.9998

DL = 1.449

BEC = 6.939

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	97.78	0.0002	P	35.8
2	☐	1.000	0.983	8142.28	0.0138	P	1.8
3	☐	50.000	46.260	411880.76	0.6441	P	6.8
4	☐	125.000	121.337	1013511.54	1.6891	P	2.2
5	☐	250.000	249.105	2005040.56	3.4676	A	0.7
6	☐	500.000	510.174	3961661.26	7.1017	A	0.9
7	☐	1000.000	995.782	7949992.24	13.8612	A	2.6
8	☐			22483.58	0.0386	P	2.6

$$y = 0.0139 * x + 1.5801\text{E-}004$$

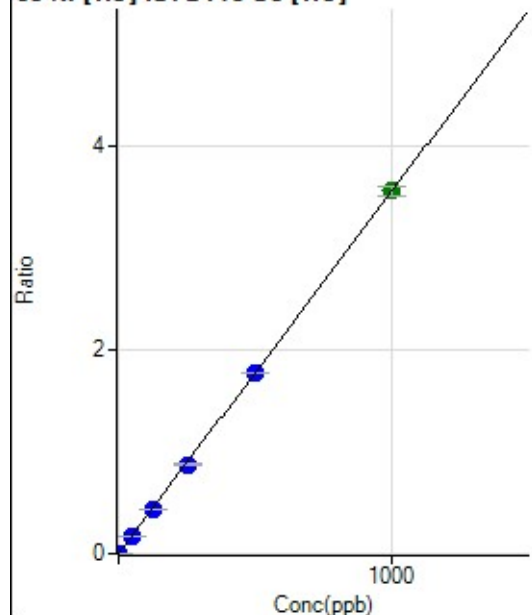
R = 0.9999

DL = 0.01219

BEC = 0.01135

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	400.01	0.0006	P	4.6
2	☐	1.000	0.945	2361.32	0.0040	P	1.5
3	☐	50.000	46.438	106097.72	0.1659	P	6.3
4	☐	125.000	121.130	258985.41	0.4316	P	2.4
5	☐	250.000	246.031	506536.73	0.8760	P	0.6
6	☐	500.000	499.434	991681.95	1.7777	P	0.4
7	☐	1000.000	1001.937	2045006.97	3.5656	A	2.6
8	☐			7692.03	0.0132	P	1.3

$$y = 0.0036 * x + 6.4914E-004$$

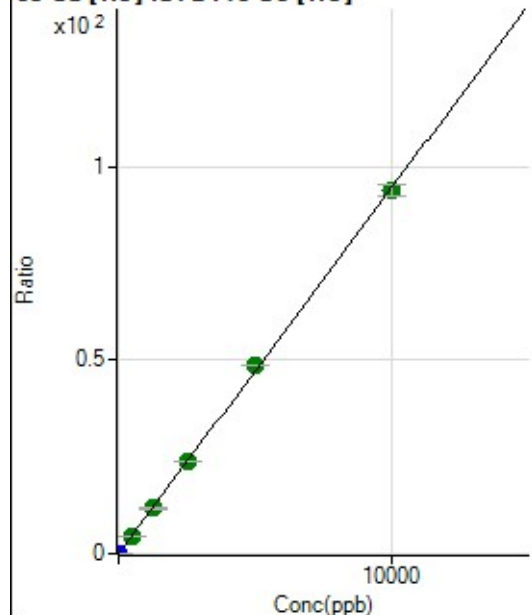
$$R = 1.0000$$

$$DL = 0.02511$$

$$BEC = 0.1824$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	9454.18	0.0153	P	3.7
2	☐	2.000	2.049	20417.35	0.0347	P	2.1
3	☐	500.000	475.963	2887470.37	4.5134	A	5.6
4	☐	1250.000	1236.076	7018718.09	11.6968	A	1.8
5	☐	2500.000	2515.812	13756166.46	23.7909	A	0.5
6	☐	5000.000	5154.273	27182200.15	48.7255	A	0.1
7	☐	10000.000	9921.853	53779456.98	93.7813	A	3.3
8	☐			51774.79	0.0888	P	0.4

$$y = 0.0095 * x + 0.0153$$

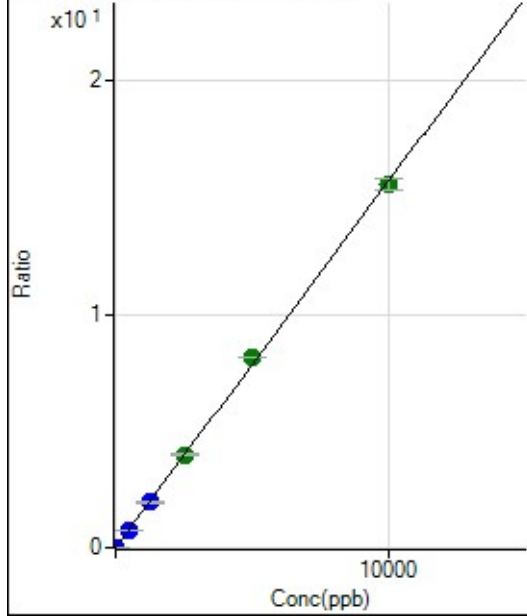
$$R = 0.9998$$

$$DL = 0.1793$$

$$BEC = 1.623$$

Weight: <None>

Min Conc: 0

⁶⁶Zn [He] ISTD: ⁴⁵Sc [He]

	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	371.12	0.0006	P	8.5
2	☐	2.000	2.335	2512.46	0.0043	P	2.5
3	☐	500.000	471.021	473474.46	0.7404	P	6.9
4	☐	1250.000	1237.869	1167095.83	1.9449	P	1.9
5	☐	2500.000	2536.602	2304143.14	3.9849	A	1.1
6	☐	5000.000	5192.822	4550521.01	8.1571	A	0.6
7	☐	10000.000	9897.404	8915473.96	15.5467	A	3.2
8	☐			37996.01	0.0652	P	2.0

$$y = 0.0016 * x + 6.0336E-004$$

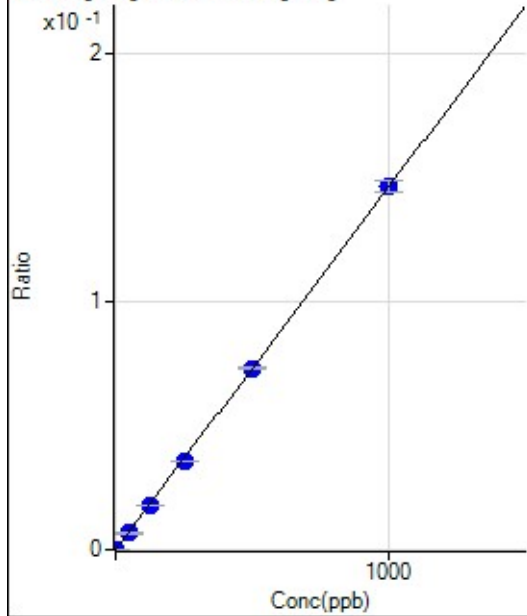
$$R = 0.9997$$

$$DL = 0.09791$$

$$BEC = 0.3841$$

Weight: <None>

Min Conc: 0

⁷⁵As [He] ISTD: ⁸⁹Y [He]

	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	19.13	0.0000	P	31.6
2	☐	1.000	1.014	632.12	0.0002	P	8.2
3	☐	50.000	45.886	29914.04	0.0067	P	6.5
4	☐	125.000	120.866	74282.66	0.0177	P	1.8
5	☐	250.000	245.726	146276.23	0.0359	P	0.4
6	☐	500.000	501.009	292133.14	0.0732	P	1.3
7	☐	1000.000	1001.286	587329.61	0.1463	P	3.1
8	☐			467.91	0.0001	P	2.7

$$y = 1.4610E-004 * x + 4.3741E-006$$

$$R = 1.0000$$

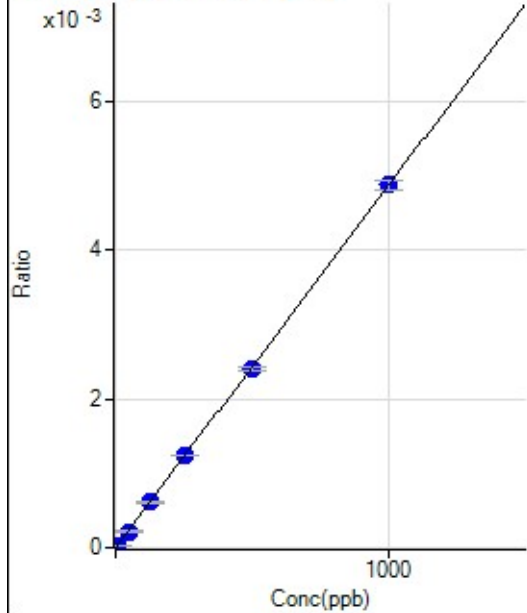
$$DL = 0.02834$$

$$BEC = 0.02994$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	0.00	0.0000	P	
2	☐	5.000	4.123	83.33	0.0000	P	7.4
3	☐	50.000	44.868	975.60	0.0002	P	5.4
4	☐	125.000	125.996	2582.47	0.0006	P	2.2
5	☐	250.000	253.353	5030.90	0.0012	P	0.5
6	☐	500.000	495.296	9634.32	0.0024	P	2.3
7	☐	1000.000	1001.650	19601.96	0.0049	P	2.8
8	☐			14.44	0.0000	P	36.0

$$y = 4.8742\text{E-}006 * x + 0.0000\text{E+}000$$

$$R = 1.0000$$

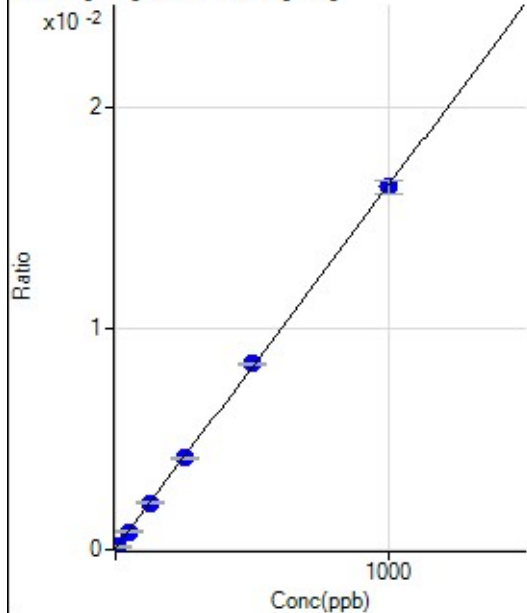
$$DL = 0$$

$$BEC = 0$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	219.76	0.0001	P	23.2
2	☐	5.000	4.893	546.31	0.0001	P	5.6
3	☐	50.000	46.162	3608.48	0.0008	P	6.0
4	☐	125.000	125.119	8849.60	0.0021	P	2.7
5	☐	250.000	248.854	16847.87	0.0041	P	1.3
6	☐	500.000	509.350	33564.52	0.0084	P	1.2
7	☐	1000.000	995.789	65805.41	0.0164	P	3.8
8	☐			255.56	0.0001	P	12.0

$$y = 1.6411\text{E-}005 * x + 5.1456\text{E-}005$$

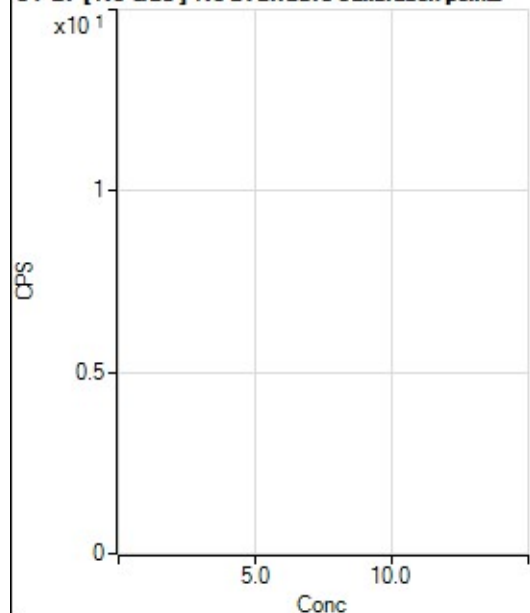
$$R = 0.9999$$

$$DL = 2.18$$

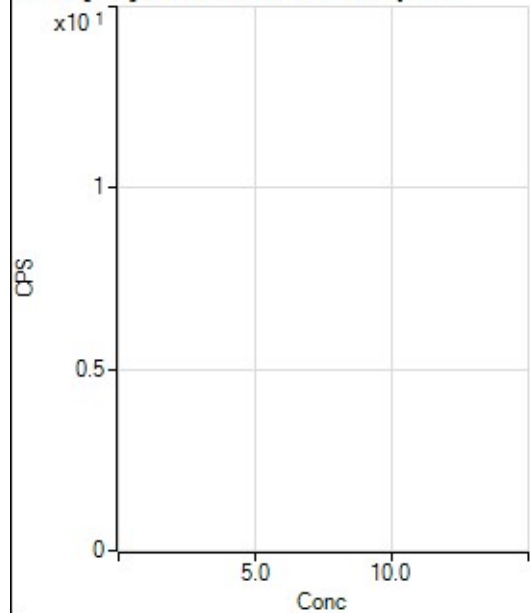
$$BEC = 3.135$$

Weight: <None>

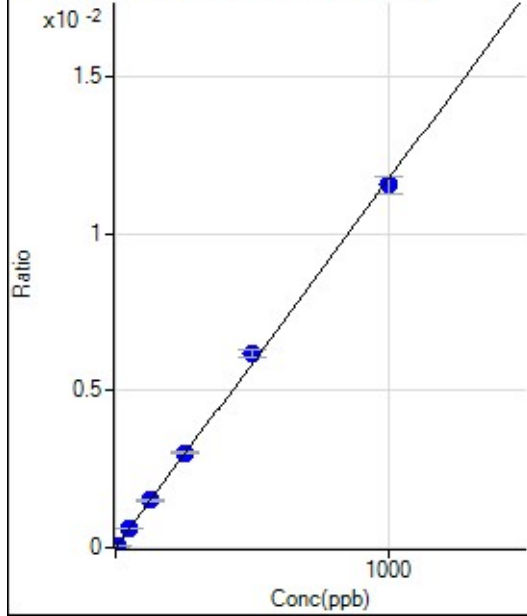
Min Conc: 0

81 Br [No Gas] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			9567.29		P	2.8
2	☐			9961.96		P	2.0
3	☐			9978.68		P	3.2
4	☐			9464.38		P	2.5
5	☐			9472.77		P	4.6
6	☐			9286.49		P	4.1
7	☐			9111.39		P	1.7
8	☐			9925.83		P	5.5

81 Br [He] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			136.81		P	11.2
2	☐			66.73		P	37.7
3	☐			70.07		P	24.7
4	☐			53.39		P	39.0
5	☐			73.41		P	7.9
6	☐			83.42		P	54.1
7	☐			76.74		P	19.9
8	☐			90.09		P	33.3

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	28.84	0.0000	P	282.
2	☐	5.000	4.626	796.19	0.0001	P	8.0
3	☐	50.000	52.130	8855.07	0.0006	P	3.5
4	☐	125.000	127.913	21571.74	0.0015	P	1.1
5	☐	250.000	257.424	43335.86	0.0030	P	0.7
6	☐	500.000	525.506	84228.93	0.0062	P	4.2
7	☐	1000.000	984.922	165044.69	0.0116	P	4.9
8	☐			140.87	0.0000	P	43.4

$$y = 1.1734\text{E-}005 * x + 1.9977\text{E-}006$$

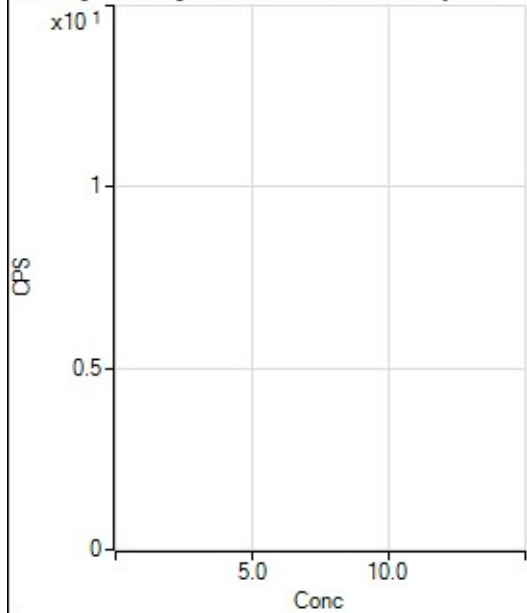
$$R = 0.9995$$

$$DL = 1.44$$

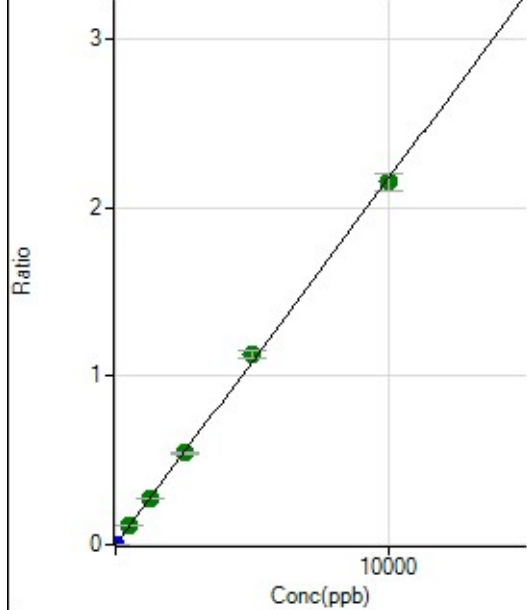
$$BEC = 0.1702$$

Weight: <None>

Min Conc: 0

83 Kr [No Gas] No available calibration points

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐			652.25		P	9.2
2	☐			668.91		P	5.0
3	☐			653.35		P	9.3
4	☐			585.57		P	9.9
5	☐			620.02		P	9.3
6	☐			618.91		P	9.7
7	☐			675.58		P	7.7
8	☐			645.58		P	10.2

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	925.05	0.0001	P	9.5
2	☐	1.000	0.995	3978.42	0.0003	P	10.1
3	☐	500.000	507.254	1592371.13	0.1103	A	0.5
4	☐	1250.000	1262.299	3938869.66	0.2744	A	1.1
5	☐	2500.000	2502.302	7798389.76	0.5439	A	0.8
6	☐	5000.000	5180.012	15376259.37	1.1260	A	3.9
7	☐	10000.000	9907.519	30749164.92	2.1535	A	4.7
8	☐			34073.45	0.0026	P	9.4

$$y = 2.1735E-004 * x + 6.5773E-005$$

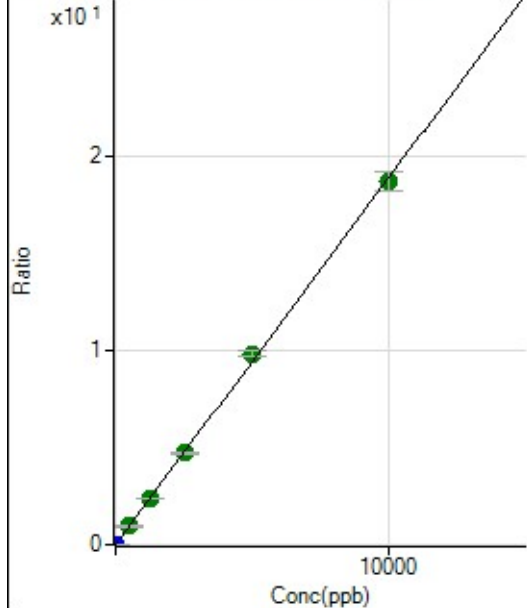
$$R = 0.9998$$

$$DL = 0.08656$$

$$BEC = 0.3026$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	197.23	0.0000	P	24.4
2	☐	1.000	0.963	25923.53	0.0018	P	2.6
3	☐	500.000	499.383	13632722.01	0.9446	A	1.3
4	☐	1250.000	1241.695	33708756.66	2.3486	A	1.0
5	☐	2500.000	2494.775	67647527.90	4.7188	A	1.2
6	☐	5000.000	5208.791	134560341.90	9.8523	A	3.5
7	☐	10000.000	9897.979	267289125.42	18.7218	A	5.2
8	☐			289609.29	0.0224	P	9.6

$$y = 0.0019 * x + 1.4054E-005$$

$$R = 0.9997$$

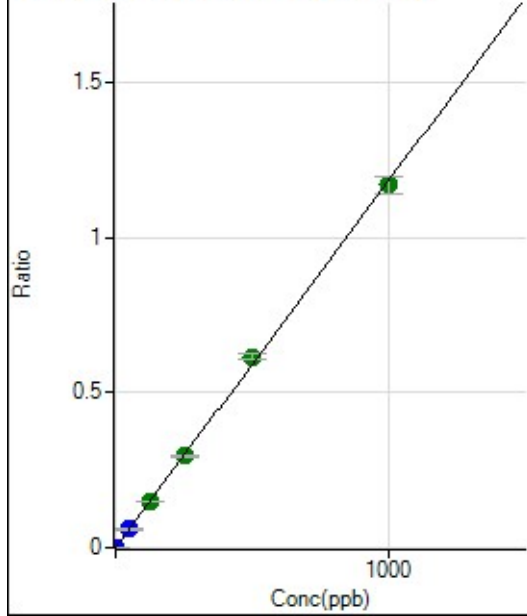
$$DL = 0.005435$$

$$BEC = 0.00743$$

Weight: <None>

Min Conc: 0

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



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	830.60	0.0001	P	11.6
2	☐	1.000	0.929	16342.90	0.0012	P	0.7
3	☐	50.000	49.921	851506.90	0.0590	P	2.1
4	☐	125.000	126.207	2139587.90	0.1491	A	1.8
5	☐	250.000	249.911	4231265.89	0.2951	A	0.8
6	☐	500.000	521.053	8404328.83	0.6153	A	3.3
7	☐	1000.000	989.349	16679969.47	1.1683	A	5.0
8	☐			24050.76	0.0019	P	9.6

$$y = 0.0012 * x + 5.9041E-005$$

$$R = 0.9997$$

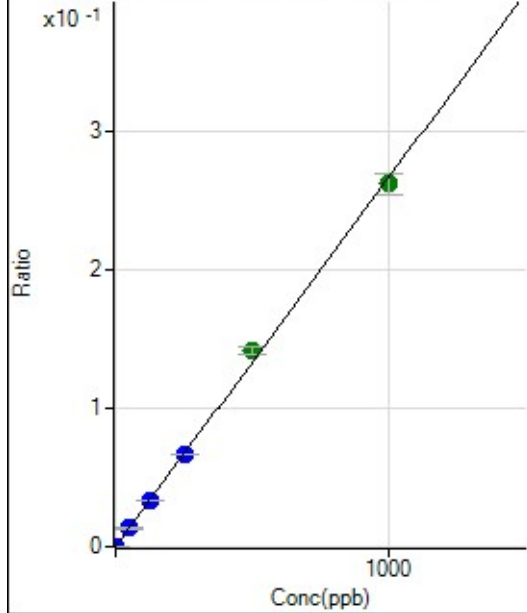
$$DL = 0.01745$$

$$BEC = 0.05$$

Weight: <None>

Min Conc: 0

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



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	116.67	0.0000	P	26.4
2	☐	1.000	0.936	3631.09	0.0003	P	6.6
3	☐	50.000	49.885	191516.45	0.0133	P	2.0
4	☐	125.000	125.374	478519.48	0.0333	P	0.8
5	☐	250.000	251.266	957804.40	0.0668	P	0.8
6	☐	500.000	532.506	1933224.06	0.1416	A	4.3
7	☐	1000.000	983.390	3732282.81	0.2615	A	5.8
8	☐			5376.12	0.0004	P	6.4

$$y = 2.6586E-004 * x + 8.2682E-006$$

$$R = 0.9992$$

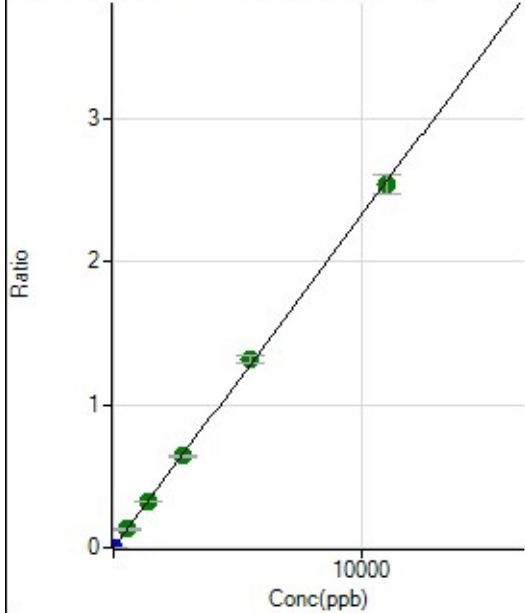
$$DL = 0.02463$$

$$BEC = 0.0311$$

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	358.35	0.0000	P	14.2
2	☐	5.000	5.713	19143.41	0.0014	P	3.3
3	☐	550.000	551.517	1852422.85	0.1284	A	2.5
4	☐	1375.000	1371.330	4580499.67	0.3191	A	1.2
5	☐	2750.000	2750.953	9177970.95	0.6402	A	0.9
6	☐	5500.000	5690.983	18084953.36	1.3244	A	4.1
7	☐	11000.000	10904.653	36229899.77	2.5377	A	5.2
8	☐			19366.00	0.0015	P	7.7

$$y = 2.3271\text{E-}004 * x + 2.5475\text{E-}005$$

$$R = 0.9998$$

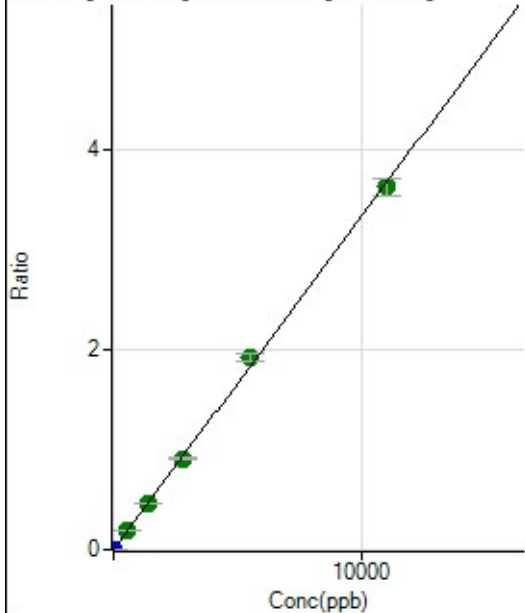
$$DL = 0.04661$$

$$BEC = 0.1095$$

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	86.11	0.0000	P	35.2
2	☐	5.000	5.069	23972.87	0.0017	P	3.9
3	☐	550.000	556.361	2679360.72	0.1857	A	1.5
4	☐	1375.000	1372.758	6574167.25	0.4581	A	2.5
5	☐	2750.000	2737.455	13093673.56	0.9134	A	1.8
6	☐	5500.000	5754.588	26216865.00	1.9202	A	4.5
7	☐	11000.000	10875.804	51820513.31	3.6290	A	4.6
8	☐			18748.62	0.0014	P	8.9

$$y = 3.3368\text{E-}004 * x + 6.0995\text{E-}006$$

$$R = 0.9996$$

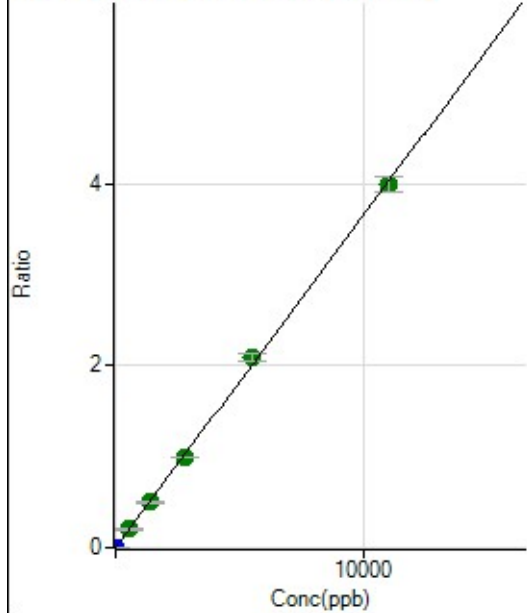
$$DL = 0.01929$$

$$BEC = 0.01828$$

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	205.56	0.0000	P	25.1
2	☐	5.000	5.092	26527.41	0.0019	P	3.1
3	☐	550.000	549.438	2901490.78	0.2011	A	2.3
4	☐	1375.000	1358.221	7132846.95	0.4970	A	1.9
5	☐	2750.000	2717.665	14255160.39	0.9944	A	1.5
6	☐	5500.000	5719.673	28576757.58	2.0929	A	4.3
7	☐	11000.000	10900.373	56956958.22	3.9885	A	4.3
8	☐			27100.71	0.0021	P	9.7

$$y = 3.6591\text{E-}004 * x + 1.4585\text{E-}005$$

$$R = 0.9997$$

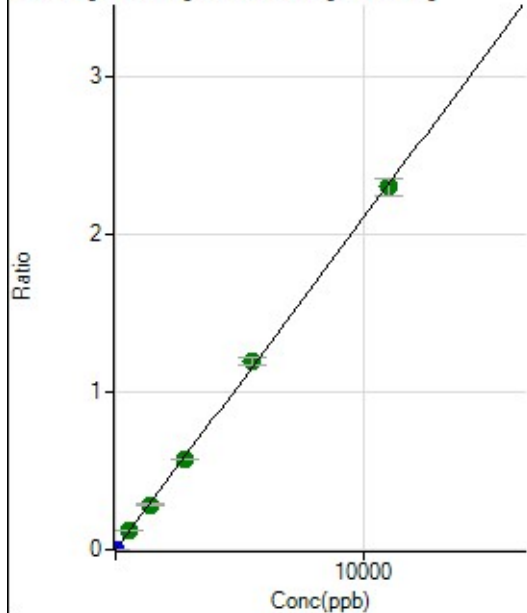
$$DL = 0.02996$$

$$BEC = 0.03986$$

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	80.56	0.0000	P	39.4
2	☐	5.000	4.973	14902.45	0.0011	P	4.3
3	☐	550.000	555.336	1691177.90	0.1172	A	1.8
4	☐	1375.000	1357.631	4111510.29	0.2865	A	0.7
5	☐	2750.000	2721.929	8233532.04	0.5743	A	0.8
6	☐	5500.000	5670.868	16337838.39	1.1965	A	4.3
7	☐	11000.000	10923.488	32911247.26	2.3048	A	4.5
8	☐			11513.15	0.0009	P	8.8

$$y = 2.1100\text{E-}004 * x + 5.7334\text{E-}006$$

$$R = 0.9998$$

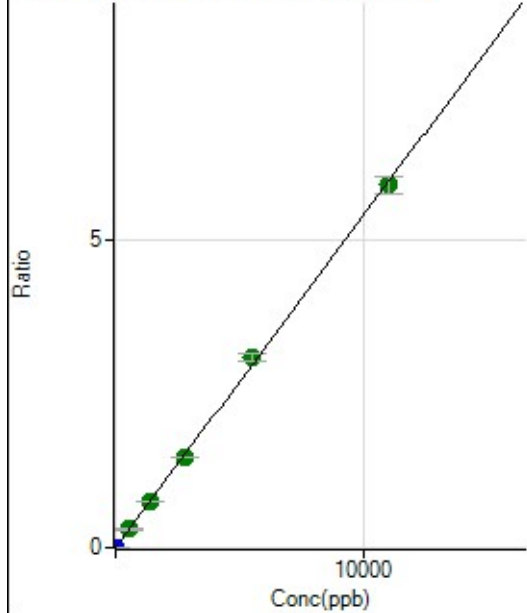
$$DL = 0.0321$$

$$BEC = 0.02717$$

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	202.78	0.0000	P	17.3
2	☐	5.000	4.954	38058.62	0.0027	P	1.7
3	☐	550.000	552.933	4314823.97	0.2990	A	2.1
4	☐	1375.000	1367.733	10614225.84	0.7395	A	1.1
5	☐	2750.000	2728.471	21149053.25	1.4753	A	1.2
6	☐	5500.000	5699.994	42085375.94	3.0820	A	4.1
7	☐	11000.000	10906.147	84192643.55	5.8969	A	5.1
8	☐			29249.27	0.0023	P	6.8

$$y = 5.4070E-004 * x + 1.4462E-005$$

$$R = 0.9998$$

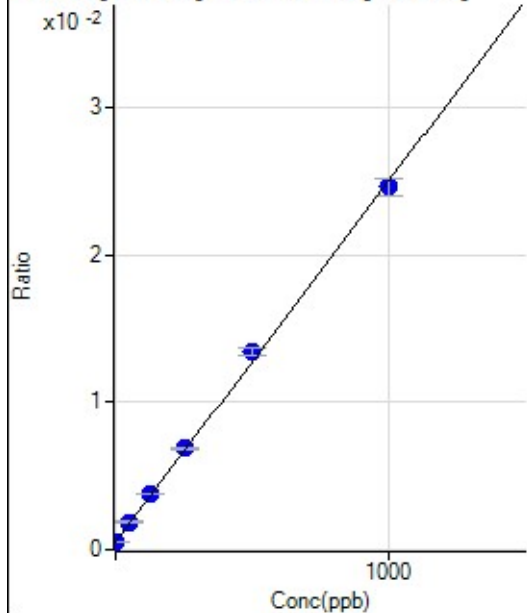
$$DL = 0.01389$$

$$BEC = 0.02675$$

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	5817.99	0.0005	P	2.5
2	☐	1.000	1.360	6129.22	0.0006	P	2.3
3	☐	50.000	55.092	20829.29	0.0019	P	1.8
4	☐	125.000	132.829	42025.19	0.0038	P	1.3
5	☐	250.000	258.703	78579.37	0.0069	P	1.2
6	☐	500.000	525.601	145849.74	0.0134	P	3.5
7	☐	1000.000	983.790	279774.25	0.0246	P	4.9
8	☐			6084.75	0.0006	P	2.1

$$y = 2.4483E-005 * x + 5.3892E-004$$

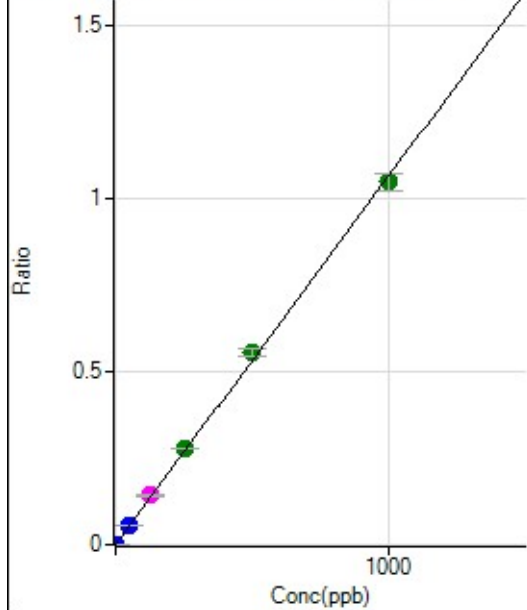
$$R = 0.9995$$

$$DL = 1.62$$

$$BEC = 22.01$$

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	94.44	0.0000	P	35.3
2	☐	1.000	1.023	11768.91	0.0011	P	5.0
3	☐	50.000	54.322	638639.28	0.0579	P	1.4
4	☐	125.000	133.186	1573243.33	0.1419	M	1.0
5	☐	250.000	260.171	3169236.42	0.2772	A	1.0
6	☐	500.000	522.924	6060345.54	0.5572	A	3.9
7	☐	1000.000	984.756	11920379.26	1.0492	A	5.0
8	☐			4120.14	0.0004	P	12.2

$$y = 0.0011 * x + 8.7313E-006$$

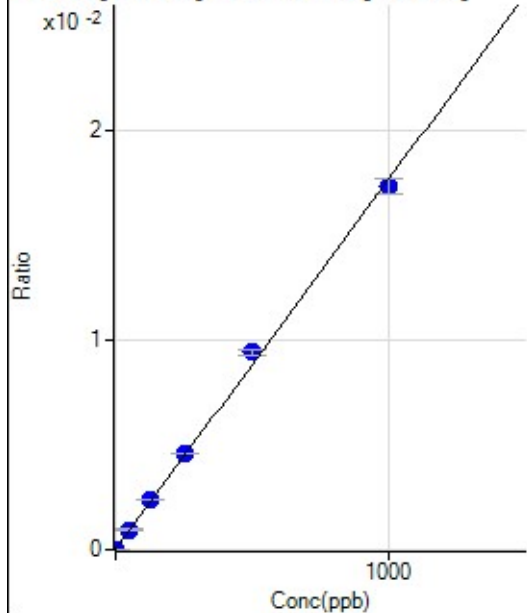
$$R = 0.9995$$

$$DL = 0.008682$$

$$BEC = 0.008195$$

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	156.95	0.0000	P	19.0
2	☐	1.000	1.003	344.45	0.0000	P	11.5
3	☐	50.000	53.557	10583.13	0.0010	P	1.8
4	☐	125.000	134.244	26417.16	0.0024	P	1.5
5	☐	250.000	257.782	52157.22	0.0046	P	0.6
6	☐	500.000	533.077	102457.47	0.0094	P	3.4
7	☐	1000.000	980.183	196638.20	0.0173	P	4.4
8	☐			368.07	0.0000	P	21.0

$$y = 1.7641E-005 * x + 1.4515E-005$$

$$R = 0.9991$$

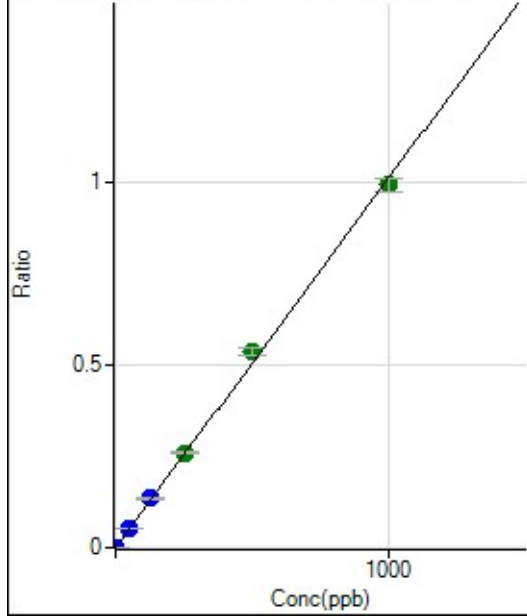
$$DL = 0.4689$$

$$BEC = 0.8228$$

Weight: <None>

Min Conc: 0

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



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	61.11	0.0000	P	18.7
2	☐	1.000	1.063	11593.88	0.0011	P	2.4
3	☐	50.000	54.134	605016.27	0.0548	P	1.4
4	☐	125.000	133.165	1495312.75	0.1349	P	1.2
5	☐	250.000	257.489	2981869.90	0.2608	A	1.2
6	☐	500.000	529.437	5833221.40	0.5363	A	3.7
7	☐	1000.000	982.182	11304748.34	0.9949	A	4.0
8	☐			3783.93	0.0004	P	8.9

$$y = 0.0010 * x + 5.6480E-006$$

$$R = 0.9993$$

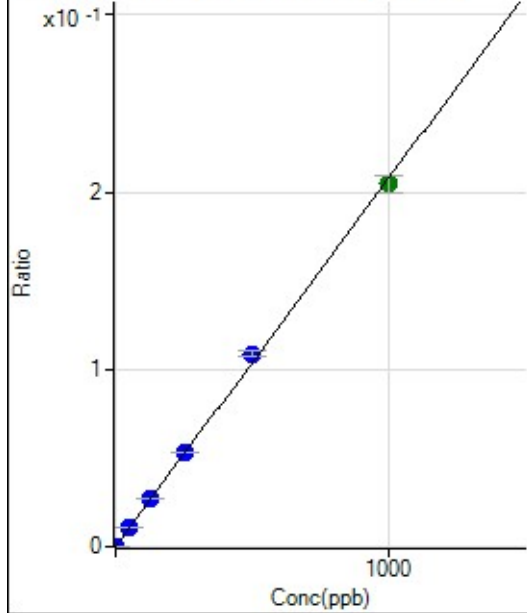
$$DL = 0.003134$$

$$BEC = 0.005576$$

Weight: <None>

Min Conc: 0

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



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	562.21	0.0001	P	2.4
2	☐	1.000	1.086	2972.07	0.0003	P	4.4
3	☐	50.000	53.023	122004.38	0.0111	P	1.1
4	☐	125.000	130.946	301891.75	0.0272	P	1.1
5	☐	250.000	255.795	607615.57	0.0531	P	0.5
6	☐	500.000	524.529	1184985.72	0.1089	P	3.3
7	☐	1000.000	985.393	2324569.54	0.2046	A	4.5
8	☐			2025.95	0.0002	P	10.4

$$y = 2.0757E-004 * x + 5.2097E-005$$

$$R = 0.9995$$

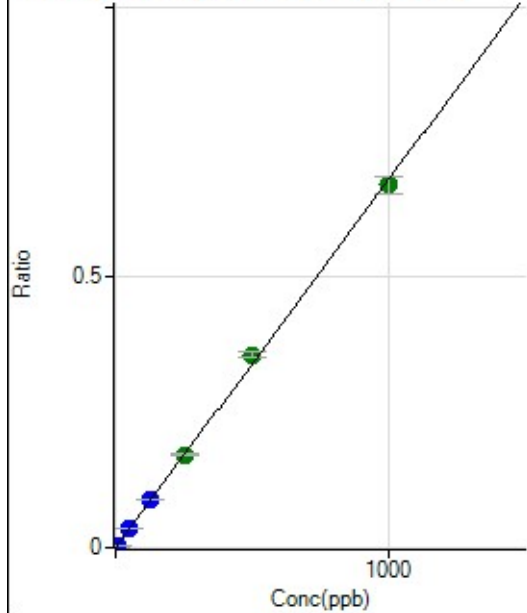
$$DL = 0.01828$$

$$BEC = 0.251$$

Weight: <None>

Min Conc: 0

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



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	1116.74	0.0001	P	8.0
2	☐	5.000	5.189	38931.03	0.0036	P	1.8
3	☐	50.000	52.144	392588.02	0.0356	P	1.4
4	☐	125.000	129.153	975419.53	0.0880	P	0.7
5	☐	250.000	253.161	1970487.82	0.1724	A	1.1
6	☐	500.000	524.334	3882835.50	0.3569	A	2.8
7	☐	1000.000	986.415	7626575.78	0.6713	A	5.1
8	☐			14357.51	0.0014	P	12.7

$$y = 6.8045\text{E-}004 * x + 1.0358\text{E-}004$$

$$R = 0.9995$$

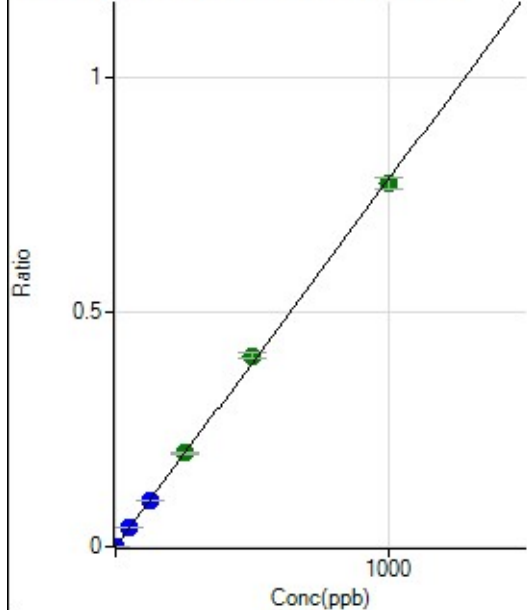
$$DL = 0.03664$$

$$BEC = 0.1522$$

Weight: <None>

Min Conc: 0

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



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	111.11	0.0000	P	8.5
2	☐	2.000	1.970	16640.54	0.0016	P	1.6
3	☐	50.000	51.067	441461.40	0.0400	P	1.1
4	☐	125.000	127.486	1107205.66	0.0999	P	1.2
5	☐	250.000	254.444	2278802.77	0.1993	A	0.5
6	☐	500.000	520.997	4439420.59	0.4081	A	3.7
7	☐	1000.000	988.026	8796370.86	0.7740	A	3.3
8	☐			9873.08	0.0010	P	7.6

$$y = 7.8335\text{E-}004 * x + 1.0293\text{E-}005$$

$$R = 0.9997$$

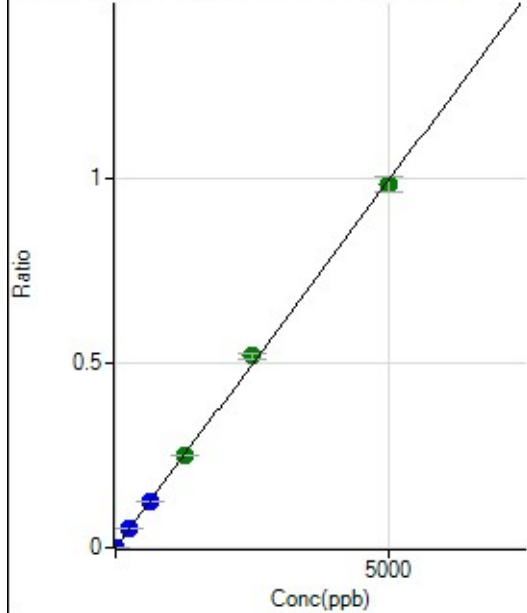
$$DL = 0.003344$$

$$BEC = 0.01314$$

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	43.6
2	☐	10.000	9.595	20473.66	0.0019	P	4.8
3	☐	250.000	251.971	553241.83	0.0501	P	1.7
4	☐	625.000	631.606	1393538.05	0.1257	P	0.9
5	☐	1250.000	1259.179	2865051.73	0.2506	A	0.3
6	☐	2500.000	2608.268	5647358.50	0.5191	A	3.0
7	☐	5000.000	4942.648	11177386.01	0.9837	A	4.3
8	☐			9631.29	0.0010	P	5.1

$$y = 1.9902\text{E-}004 * x + 2.5590\text{E-}006$$

$$R = 0.9996$$

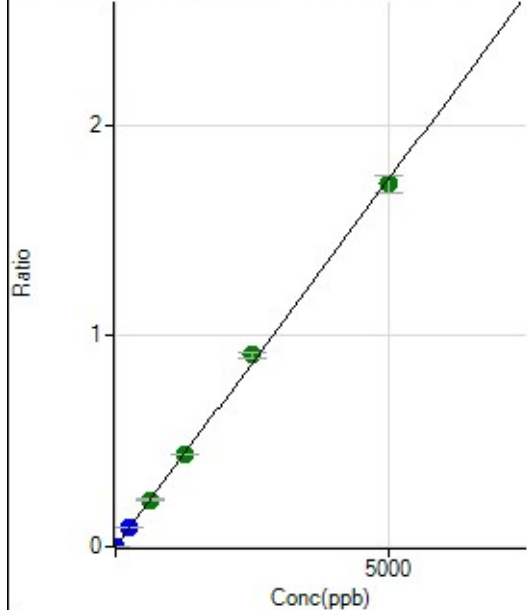
$$DL = 0.01681$$

$$BEC = 0.01286$$

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	58.34	0.0000	P	52.2
2	☐	10.000	9.629	35948.73	0.0034	P	4.2
3	☐	250.000	251.507	966113.23	0.0876	P	1.3
4	☐	625.000	639.278	2467403.96	0.2226	A	1.2
5	☐	1250.000	1254.090	4991356.36	0.4366	A	0.9
6	☐	2500.000	2612.772	9895068.37	0.9096	A	3.5
7	☐	5000.000	4940.732	19545264.50	1.7201	A	4.4
8	☐			16871.58	0.0017	P	10.7

$$y = 3.4815\text{E-}004 * x + 5.4078\text{E-}006$$

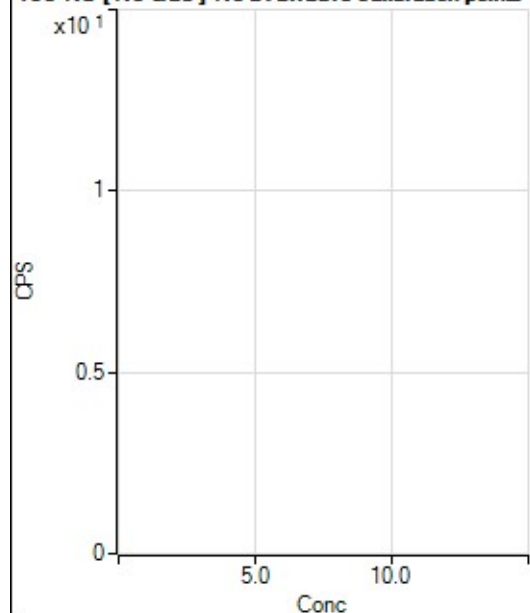
$$R = 0.9996$$

$$DL = 0.02432$$

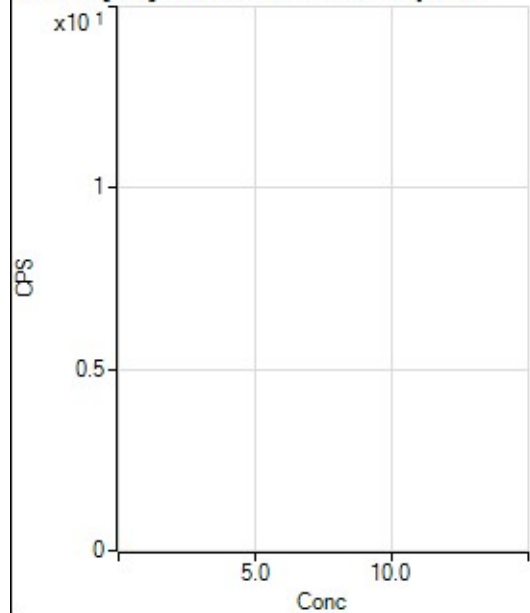
$$BEC = 0.01553$$

Weight: <None>

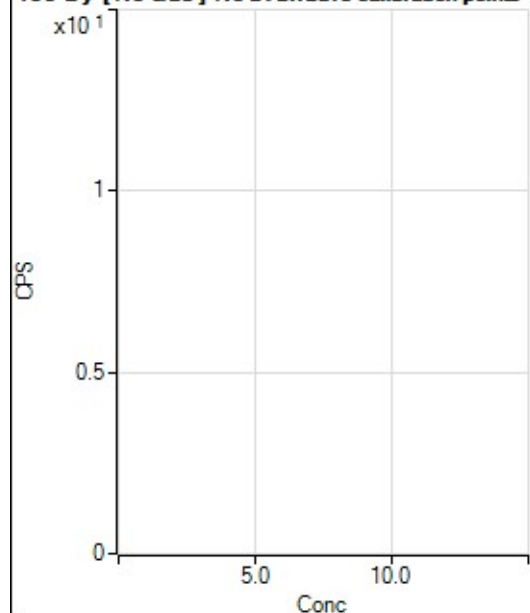
Min Conc: 0

150 Nd [No Gas] No available calibration points

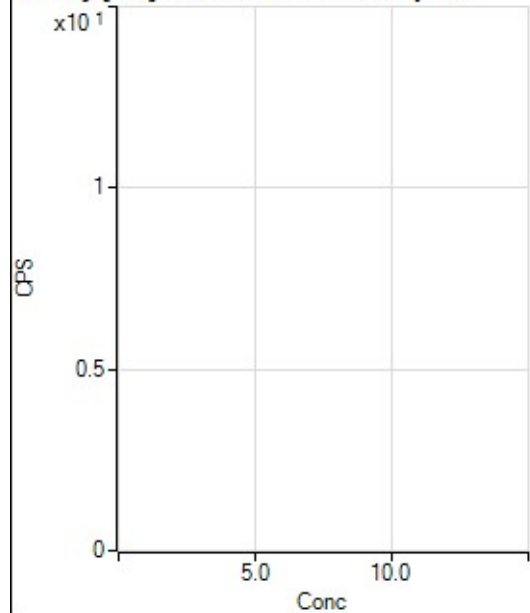
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			2.22		P	173.
2	☐			6.67		P	100.
3	☐			84.45		P	27.7
4	☐			144.45		P	7.0
5	☐			295.57		P	17.1
6	☐			533.35		P	10.9
7	☐			1053.40		P	12.2
8	☐			115.56		P	12.0

150 Nd [He] No available calibration points

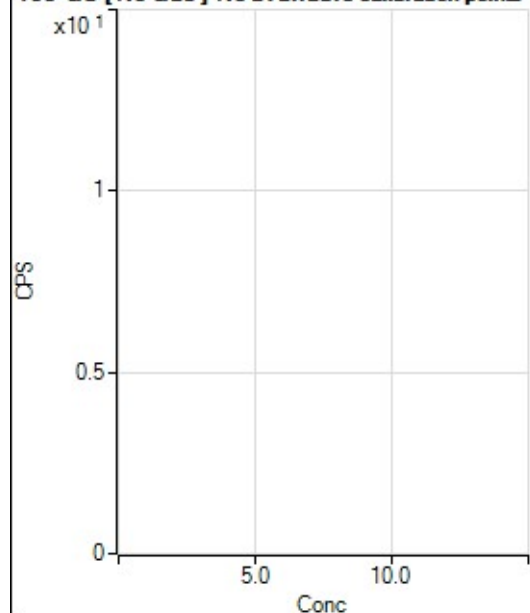
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			4.44		P	114.
2	☐			0.00		P	
3	☐			23.33		P	51.5
4	☐			37.78		P	18.4
5	☐			65.56		P	28.9
6	☐			156.67		P	20.3
7	☐			281.12		P	4.8
8	☐			55.55		P	24.3

156 Dy [No Gas] No available calibration points

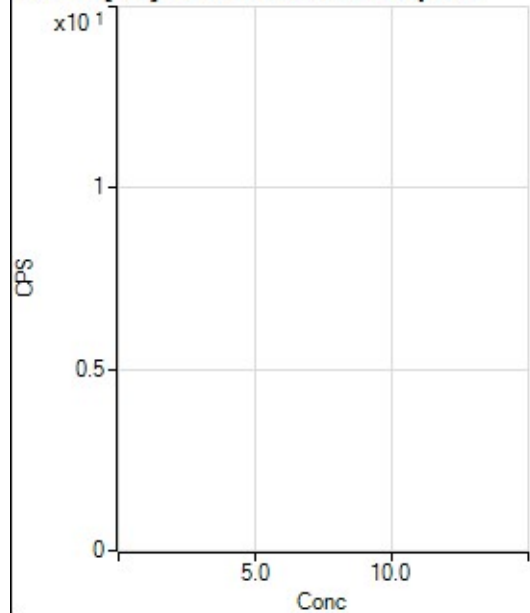
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			0.00		P	
2	☐			13.89		P	69.3
3	☐			58.34		P	14.3
4	☐			52.78		P	79.5
5	☐			150.00		P	29.4
6	☐			302.79		P	8.8
7	☐			619.48		P	8.6
8	☐			1875.17		P	12.8

156 Dy [He] No available calibration points

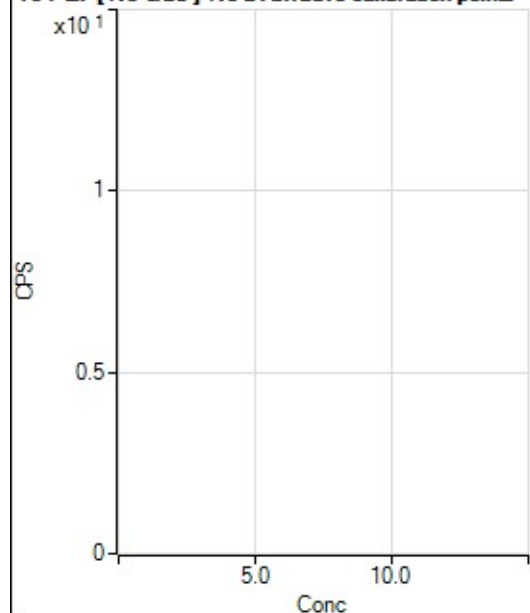
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			3.33		P	100.
2	☐			5.56		P	91.6
3	☐			34.45		P	11.2
4	☐			90.00		P	28.9
5	☐			172.23		P	4.9
6	☐			390.01		P	7.3
7	☐			695.58		P	10.3
8	☐			1341.19		P	7.0

160 Gd [No Gas] No available calibration points

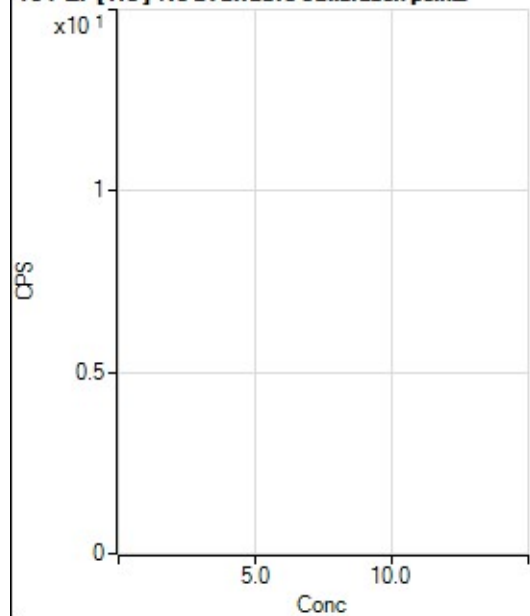
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			69.45		P	30.2
2	☐			72.22		P	24.0
3	☐			119.45		P	29.0
4	☐			136.11		P	7.1
5	☐			197.23		P	20.0
6	☐			280.57		P	6.2
7	☐			547.25		P	25.1
8	☐			1727.94		P	1.9

160 Gd [He] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			326.67		P	16.8
2	☐			340.01		P	15.4
3	☐			384.45		P	8.2
4	☐			360.01		P	8.1
5	☐			457.79		P	11.1
6	☐			531.13		P	7.5
7	☐			642.24		P	3.5
8	☐			1566.77		P	4.4

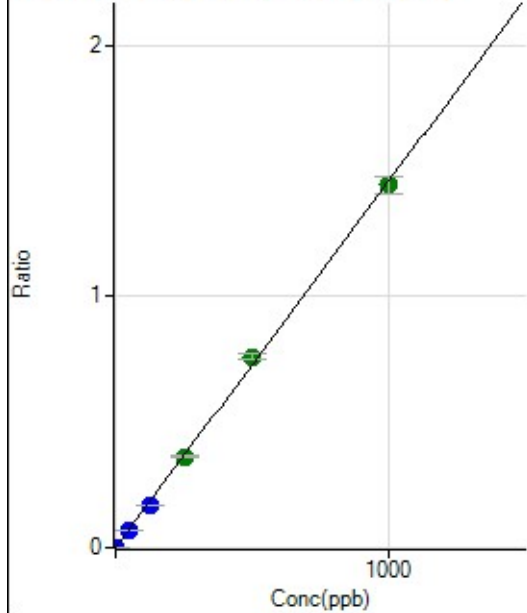
164 Er [No Gas] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			80.56		P	15.8
2	☐			72.22		P	17.6
3	☐			77.78		P	24.7
4	☐			116.67		P	37.8
5	☐			108.34		P	33.5
6	☐			183.34		P	18.2
7	☐			266.68		P	27.8
8	☐			325.01		P	18.5

164 Er [He] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			52.22		P	3.7
2	☐			43.33		P	50.4
3	☐			50.00		P	6.7
4	☐			74.45		P	27.4
5	☐			82.22		P	20.4
6	☐			108.89		P	27.8
7	☐			183.34		P	17.3
8	☐			210.01		P	14.5

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



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	886.16	0.0001	P	9.8
2	☐	1.000	0.855	10451.51	0.0014	P	2.8
3	☐	50.000	46.038	531688.27	0.0673	P	1.5
4	☐	125.000	116.582	1348981.54	0.1701	P	0.9
5	☐	250.000	247.205	2936680.93	0.3606	A	2.1
6	☐	500.000	522.363	5754725.91	0.7620	A	3.0
7	☐	1000.000	990.768	11200144.00	1.4451	A	4.9
8	☐			8533.46	0.0014	P	13.1

$$y = 0.0015 * x + 1.1710E-004$$

$$R = 0.9996$$

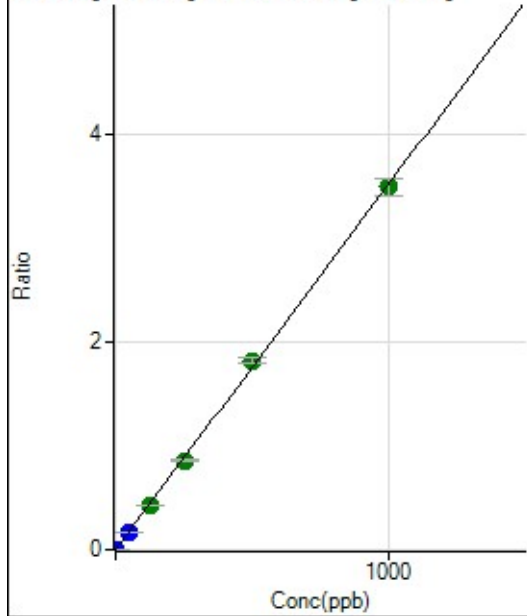
$$DL = 0.02361$$

$$BEC = 0.08029$$

Weight: <None>

Min Conc: 0

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



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	2230.80	0.0003	P	5.1
2	☐	1.000	0.863	25488.42	0.0033	P	0.9
3	☐	50.000	46.482	1292317.16	0.1635	P	1.9
4	☐	125.000	122.797	3420521.25	0.4314	A	0.3
5	☐	250.000	244.331	6987726.98	0.8581	A	1.2
6	☐	500.000	517.310	13720319.23	1.8165	A	2.6
7	☐	1000.000	993.214	27028920.57	3.4874	A	5.0
8	☐			20168.26	0.0032	P	7.5

$$y = 0.0035 * x + 2.9481E-004$$

$$R = 0.9998$$

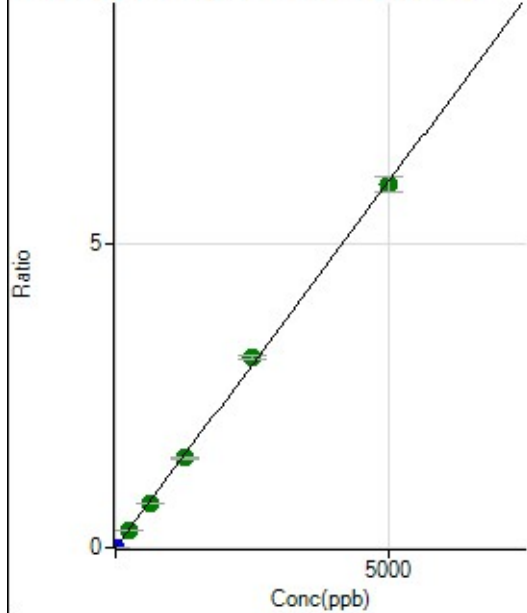
$$DL = 0.01295$$

$$BEC = 0.08397$$

Weight: <None>

Min Conc: 0

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



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	1235.26	0.0002	P	15.2
2	☐	1.000	0.866	9264.42	0.0012	P	0.7
3	☐	250.000	244.577	2333221.52	0.2952	A	2.7
4	☐	625.000	612.524	5859329.47	0.7390	A	1.2
5	☐	1250.000	1224.921	12034033.60	1.4778	A	1.3
6	☐	2500.000	2600.985	23698022.52	3.1377	A	2.9
7	☐	5000.000	4957.608	46357713.53	5.9804	A	4.2
8	☐			39253.31	0.0062	P	8.8

$$y = 0.0012 * x + 1.6369E-004$$

$$R = 0.9997$$

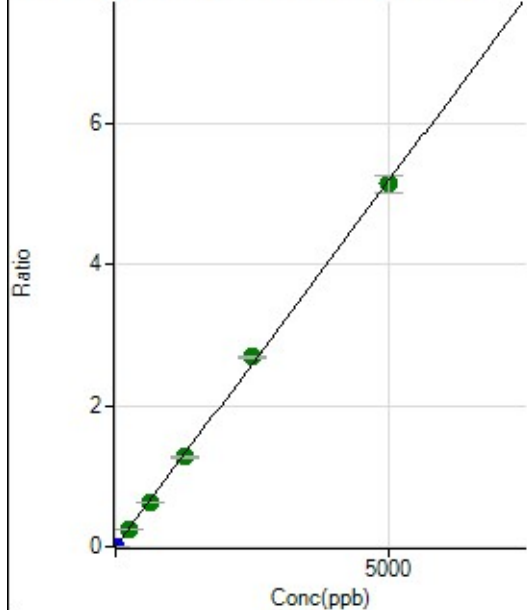
$$DL = 0.06185$$

$$BEC = 0.1357$$

Weight: <None>

Min Conc: 0

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



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	866.71	0.0001	P	7.6
2	☐	1.000	0.882	7874.64	0.0010	P	2.8
3	☐	250.000	242.913	1987522.63	0.2514	A	2.4
4	☐	625.000	611.646	5018308.62	0.6330	A	1.0
5	☐	1250.000	1223.969	10312252.78	1.2665	A	1.9
6	☐	2500.000	2591.709	20257851.38	2.6816	A	1.8
7	☐	5000.000	4962.677	39799142.56	5.1348	A	4.6
8	☐			32450.55	0.0052	P	10.5

$$y = 0.0010 * x + 1.1464E-004$$

$$R = 0.9997$$

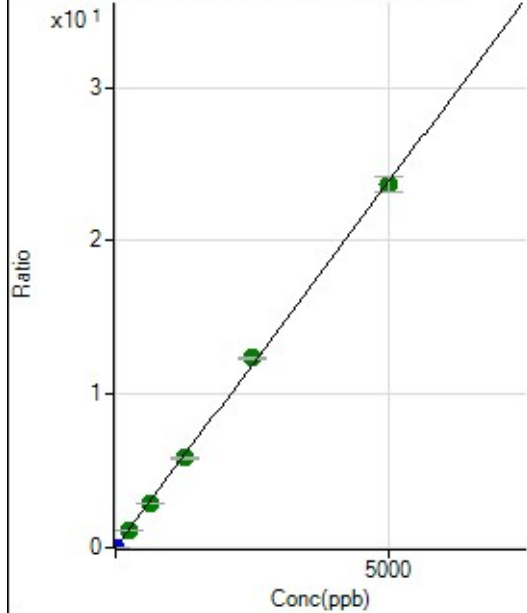
$$DL = 0.02542$$

$$BEC = 0.1108$$

Weight: <None>

Min Conc: 0

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



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	4520.75	0.0006	P	9.3
2	☐	1.000	0.877	36644.18	0.0048	P	1.7
3	☐	250.000	243.796	9192417.81	1.1629	A	1.7
4	☐	625.000	612.383	23151599.71	2.9201	A	0.8
5	☐	1250.000	1226.156	47606081.39	5.8462	A	1.0
6	☐	2500.000	2594.453	93445333.34	12.3695	A	1.6
7	☐	5000.000	4960.622	183329968.45	23.6501	A	4.1
8	☐			152702.20	0.0242	P	9.2

$$y = 0.0048 * x + 5.9856E-004$$

$$R = 0.9997$$

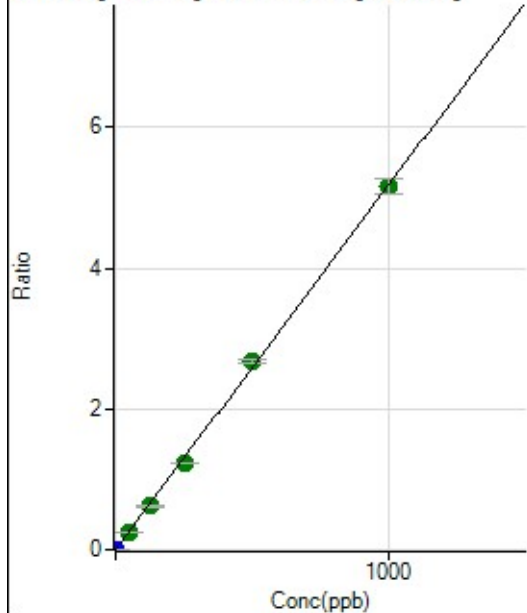
$$DL = 0.03495$$

$$BEC = 0.1256$$

Weight: <None>

Min Conc: 0

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



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	192.60	0.0000	P	5.7
2	☐	1.000	0.784	31304.52	0.0041	P	2.1
3	☐	50.000	46.210	1891330.54	0.2393	A	1.4
4	☐	125.000	118.859	4878986.05	0.6154	A	0.5
5	☐	250.000	237.786	10024062.96	1.2311	A	1.5
6	☐	500.000	516.786	20213473.95	2.6755	A	1.2
7	☐	1000.000	995.618	39953986.54	5.1545	A	4.4
8	☐			16870.45	0.0027	P	6.2

$$y = 0.0052 * x + 2.5476E-005$$

$$R = 0.9997$$

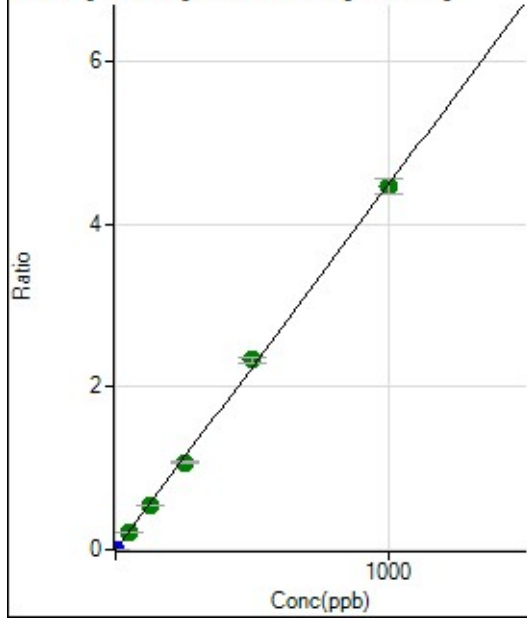
$$DL = 0.0008358$$

$$BEC = 0.004921$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	9.55	0.0000	P	196.
2	☐	1.000	0.852	29341.70	0.0038	P	2.7
3	☐	50.000	47.142	1674026.57	0.2118	A	2.2
4	☐	125.000	120.547	4293290.45	0.5415	A	1.2
5	☐	250.000	238.320	8716883.68	1.0706	A	1.9
6	☐	500.000	520.203	17648761.99	2.3368	A	3.2
7	☐	1000.000	993.518	34596060.35	4.4630	A	4.1
8	☐			10573.73	0.0017	P	7.0

$$y = 0.0045 * x + 1.3174E-006$$

$$R = 0.9996$$

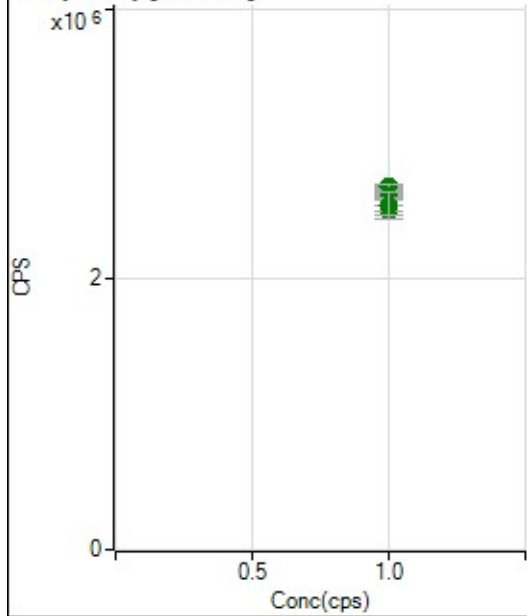
$$DL = 0.001724$$

$$BEC = 0.0002933$$

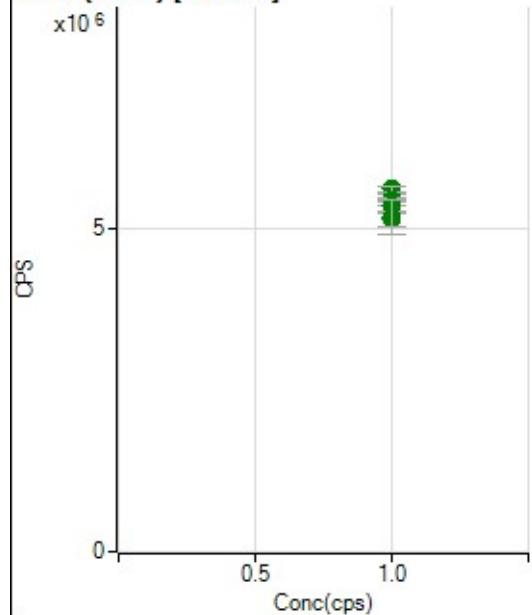
Weight: <None>

Min Conc: 0

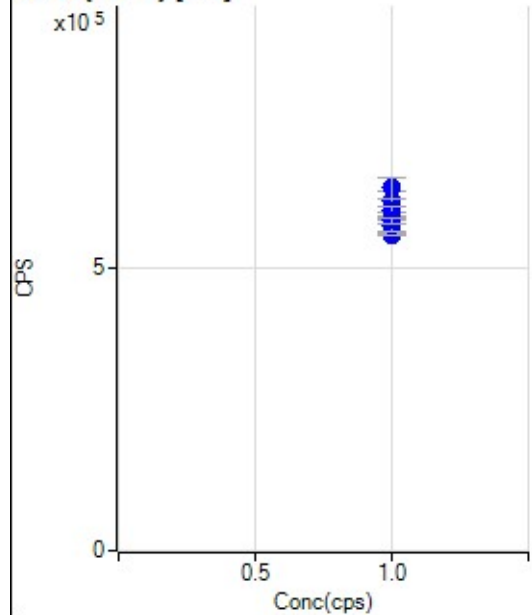
6 Li (ISTD) [No Gas]



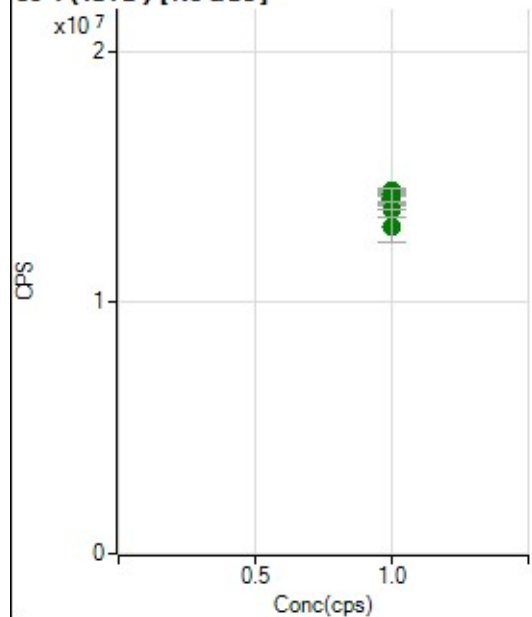
	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	1.000		2642240.20		A	2.1
2	☐	1.000		2645172.31		A	3.8
3	☐	1.000		2684806.92		A	1.8
4	☐	1.000		2623397.90		A	0.5
5	☐	1.000		2605041.21		A	0.4
6	☐	1.000		2510265.15		A	2.8
7	☐	1.000		2546396.32		A	3.6
8	☐	1.000		2545739.27		A	8.0

45 Sc (ISTD) [No Gas]

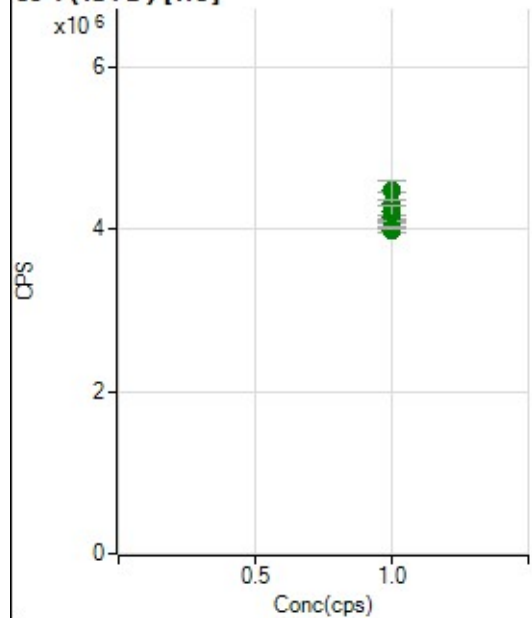
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		5444761.27		A	3.0
2	☐	1.000		5473312.35		A	3.6
3	☐	1.000		5619441.03		A	1.3
4	☐	1.000		5458532.31		A	1.2
5	☐	1.000		5453655.44		A	1.0
6	☐	1.000		5139896.03		A	3.6
7	☐	1.000		5360738.08		A	3.3
8	☐	1.000		5185544.33		A	10.0

45 Sc (ISTD) [He]

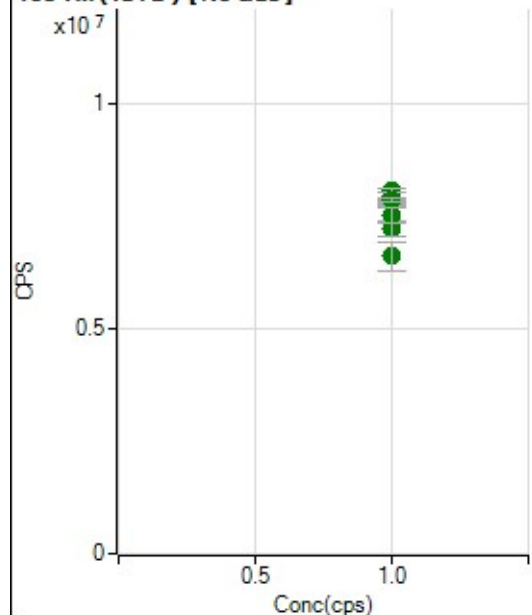
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		617147.42		P	6.4
2	☐	1.000		588419.64		P	1.5
3	☐	1.000		641073.56		P	5.5
4	☐	1.000		600248.06		P	2.8
5	☐	1.000		578205.79		P	0.3
6	☐	1.000		557865.56		P	0.5
7	☐	1.000		573886.76		P	3.4
8	☐	1.000		582748.14		P	1.4

89 Y (ISTD) [No Gas]

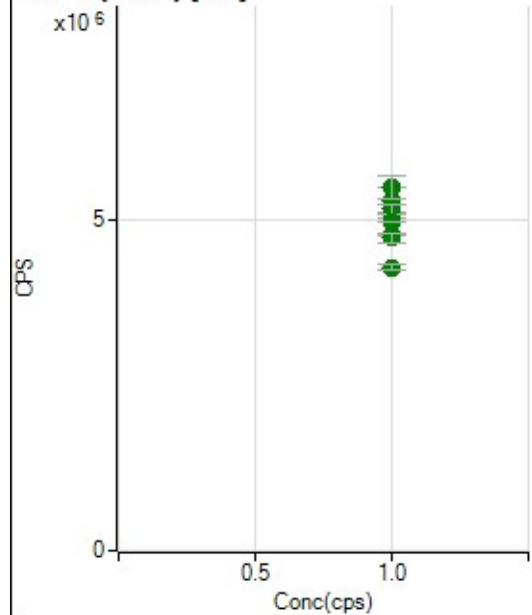
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		14055236.32		A	2.3
2	☐	1.000		14138300.62		A	4.0
3	☐	1.000		14434866.59		A	1.8
4	☐	1.000		14353117.28		A	0.8
5	☐	1.000		14336940.48		A	1.3
6	☐	1.000		13672660.91		A	4.7
7	☐	1.000		14295229.09		A	3.7
8	☐	1.000		13025151.06		A	10.1

89 Y (ISTD) [He]

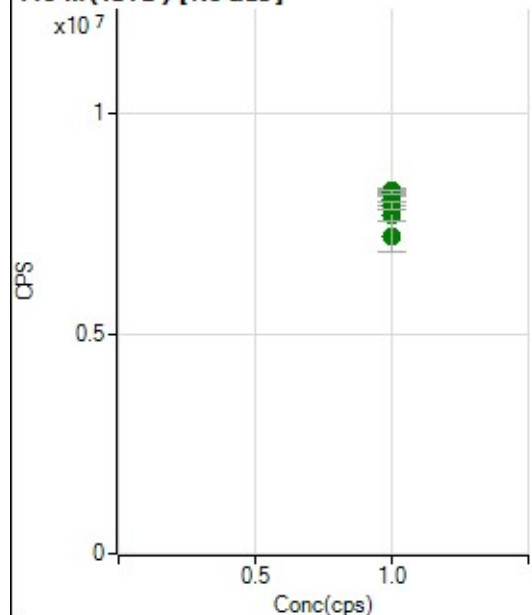
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		4314318.79		A	7.0
2	☐	1.000		4145196.40		A	0.9
3	☐	1.000		4469714.93		A	5.4
4	☐	1.000		4207296.15		A	3.7
5	☐	1.000		4074011.02		A	0.4
6	☐	1.000		3991349.00		A	1.8
7	☐	1.000		4017617.06		A	3.5
8	☐	1.000		4014660.88		A	0.8

103 Rh (ISTD) [No Gas]

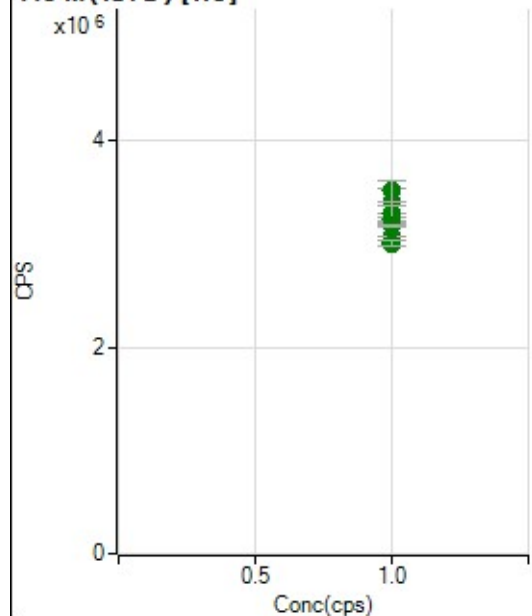
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		7878254.61		A	3.4
2	☐	1.000		7948130.51		A	4.2
3	☐	1.000		8061547.24		A	1.0
4	☐	1.000		7849767.31		A	0.3
5	☐	1.000		7857522.24		A	1.1
6	☐	1.000		7226762.04		A	4.5
7	☐	1.000		7518453.57		A	4.5
8	☐	1.000		6611166.50		A	10.0

103 Rh (ISTD) [He]

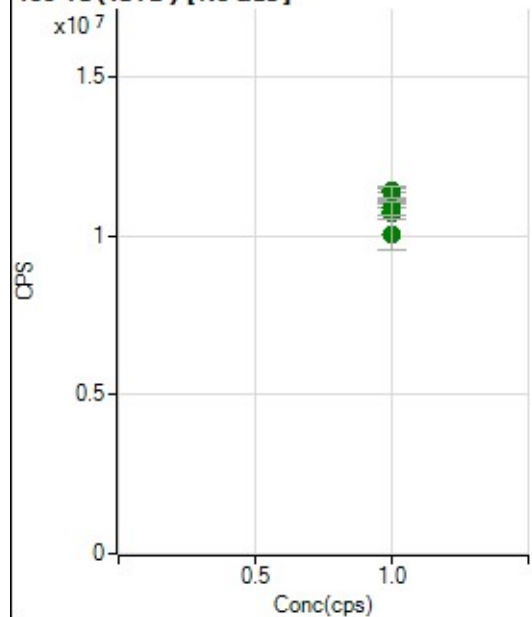
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		5299379.40		A	7.4
2	☐	1.000		5088739.96		A	1.3
3	☐	1.000		5499942.21		A	6.4
4	☐	1.000		5184231.63		A	2.9
5	☐	1.000		4983417.36		A	0.4
6	☐	1.000		4790194.34		A	0.1
7	☐	1.000		4738588.65		A	3.3
8	☐	1.000		4292126.85		A	2.1

115 In (ISTD) [No Gas]

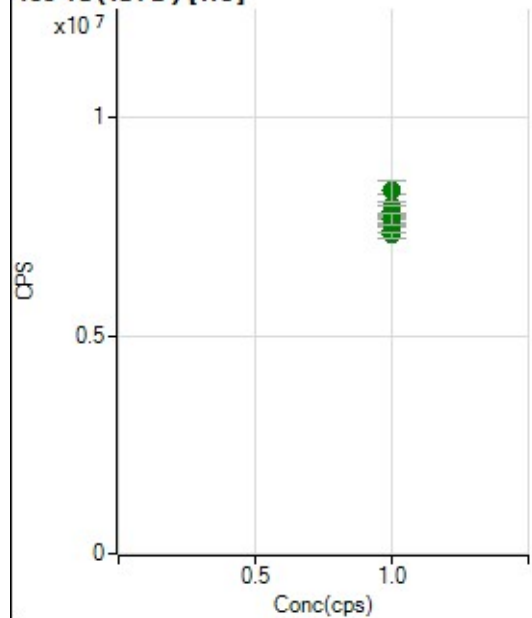
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		8047529.92		A	3.6
2	☐	1.000		8063230.58		A	3.8
3	☐	1.000		8245446.31		A	1.9
4	☐	1.000		8154430.61		A	1.1
5	☐	1.000		8223575.02		A	1.4
6	☐	1.000		7692933.92		A	3.3
7	☐	1.000		7907576.69		A	2.4
8	☐	1.000		7209940.35		A	10.0

115 In (ISTD) [He]

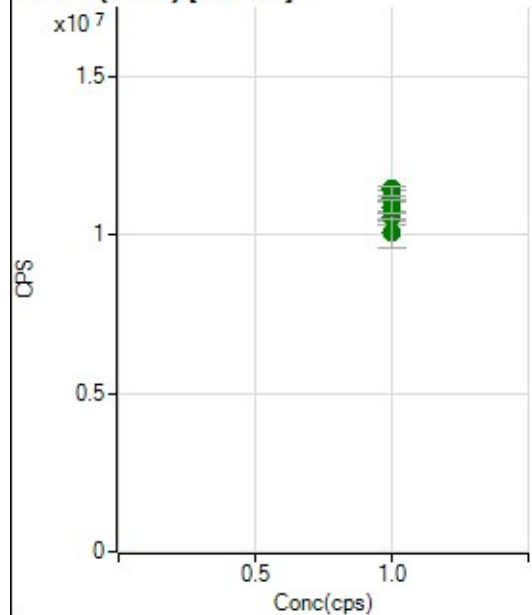
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		3414211.59		A	6.9
2	☐	1.000		3236367.54		A	1.4
3	☐	1.000		3515688.39		A	6.1
4	☐	1.000		3297382.87		A	4.6
5	☐	1.000		3183459.09		A	0.7
6	☐	1.000		3073136.03		A	0.4
7	☐	1.000		3026227.52		A	3.4
8	☐	1.000		3007062.31		A	1.4

159 Tb (ISTD) [No Gas]

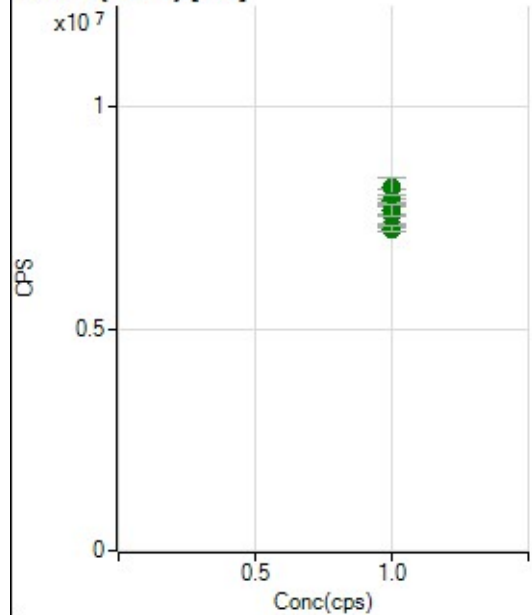
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		10795379.07		A	2.4
2	☐	1.000		10714838.24		A	3.1
3	☐	1.000		11034429.21		A	2.0
4	☐	1.000		11086672.89		A	1.2
5	☐	1.000		11432595.39		A	0.9
6	☐	1.000		10887411.37		A	3.7
7	☐	1.000		11373178.65		A	3.3
8	☐	1.000		10056234.99		A	10.0

159 Tb (ISTD) [He]

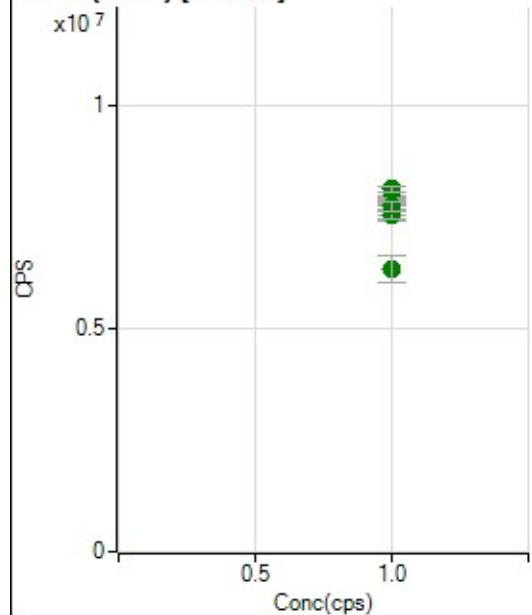
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		7967869.74		A	7.4
2	☐	1.000		7424726.07		A	1.8
3	☐	1.000		8320019.67		A	6.0
4	☐	1.000		7854825.79		A	3.6
5	☐	1.000		7763651.06		A	0.5
6	☐	1.000		7574072.18		A	0.8
7	☐	1.000		7667193.50		A	3.5
8	☐	1.000		7315744.41		A	1.7

165 Ho (ISTD) [No Gas]

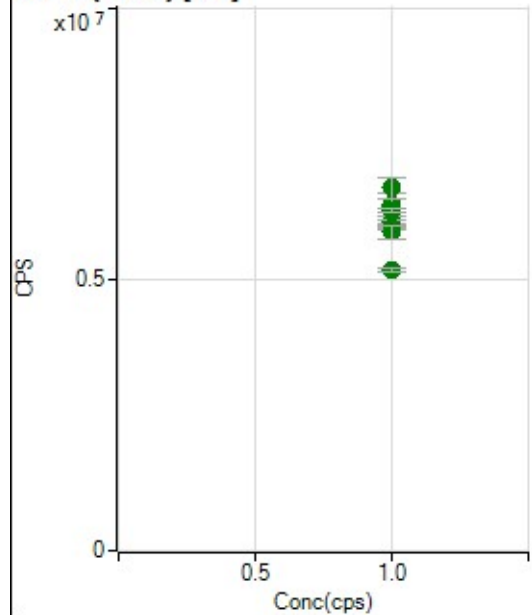
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		10578814.77		A	3.1
2	☐	1.000		10536431.16		A	3.8
3	☐	1.000		11069331.09		A	0.8
4	☐	1.000		11172093.45		A	1.4
5	☐	1.000		11447630.04		A	1.0
6	☐	1.000		10889395.53		A	4.2
7	☐	1.000		11398904.90		A	2.6
8	☐	1.000		10054207.42		A	9.4

165 Ho (ISTD) [He]

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		7854616.69		A	7.4
2	☐	1.000		7335385.10		A	1.6
3	☐	1.000		8183593.21		A	5.9
4	☐	1.000		7901740.44		A	3.6
5	☐	1.000		7798069.53		A	1.0
6	☐	1.000		7586292.32		A	0.4
7	☐	1.000		7691901.27		A	3.2
8	☐	1.000		7253102.81		A	2.0

209 Bi (ISTD) [No Gas]

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		7565550.37		A	3.2
2	☐	1.000		7667903.84		A	2.7
3	☐	1.000		7906437.10		A	2.0
4	☐	1.000		7928442.24		A	0.2
5	☐	1.000		8143659.18		A	1.4
6	☐	1.000		7556684.54		A	2.8
7	☐	1.000		7758186.27		A	3.0
8	☐	1.000		6339376.78		A	9.6

209 Bi (ISTD) [He]

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		6377851.15		A	6.9
2	☐	1.000		6066489.84		A	1.3
3	☐	1.000		6690863.65		A	5.5
4	☐	1.000		6362887.34		A	3.6
5	☐	1.000		6275171.64		A	1.5
6	☐	1.000		5941881.44		A	0.5
7	☐	1.000		5878918.18		A	4.0
8	☐	1.000		5178469.58		A	0.9