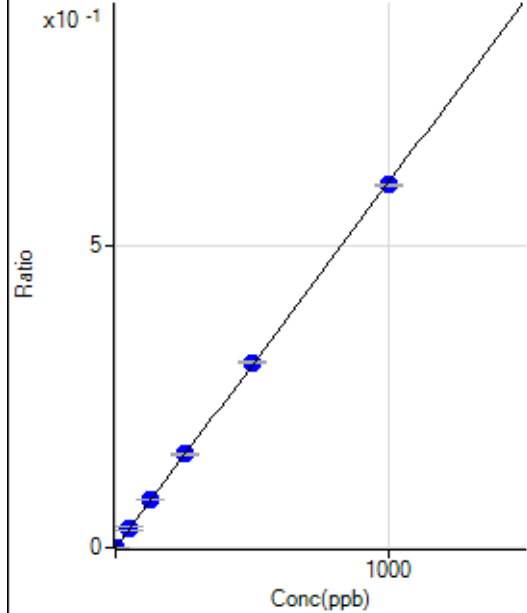


Batch Folder: C:\Agilent\ICPMH\1\DATA\P7051921MS2.b\
Analysis File: P7051921MS2.batch.bin
DA Date-Time: 2021-05-20 14:20:43
Calibration Title:
Calibration Method: External Calibration
VIS Interpolation Fit:

Level	Standard Data File	Sample Name	Acq. Date-Time
1	003CALB P7051921MS.D	S00	2021-05-19 11:20:04
2	004CALS P7051921MS.D	S01	2021-05-19 11:23:05
3	006CALS P7051921MS.D	S02	2021-05-19 11:29:04
4	008CALS P7051921MS.D	S03	2021-05-19 11:35:07
5	009CALS P7051921MS.D	S04	2021-05-19 11:38:07
6	010CALS P7051921MS.D	S05	2021-05-19 11:41:02
7	011CALS P7051921MS.D	S06	2021-05-19 11:43:51
8	012CALS P7051921MS.D	S07	2021-05-19 11:46:40
9	013CALS P7051921MS.D	S08	2021-05-19 11:49:24

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

	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	98.15	0.0000	P	11.8
2	☐	0.100	0.095	368.53	0.0001	P	19.9
3	☐	1.000	1.088	3268.91	0.0007	P	1.1
4	☐	50.000	51.170	146490.92	0.0309	P	16.5
5	☐	125.000	130.173	363313.82	0.0786	P	1.4
6	☐	250.000	257.063	704594.19	0.1553	P	2.2
7	☐	500.000	508.081	1343435.27	0.3069	P	0.7
8	☐	1000.000	993.488	2616856.08	0.6000	P	0.3
9	☐			551.87	0.0001	P	8.5

$$y = 6.0393\text{E-}004 * x + 2.0838\text{E-}005$$

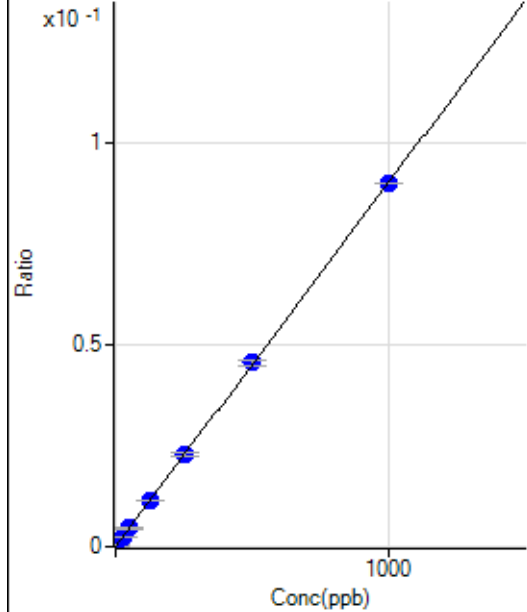
$$R = 0.9999$$

$$DL = 0.0122$$

$$BEC = 0.0345$$

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	186.12	0.0000	P	16.0
2	☐	2.500	2.430	1211.19	0.0003	P	7.7
3	☐	25.000	25.991	11462.92	0.0024	P	1.6
4	☐	50.000	50.193	21579.68	0.0046	P	15.9
5	☐	125.000	127.180	53021.07	0.0115	P	2.7
6	☐	250.000	251.877	102921.02	0.0227	P	5.1
7	☐	500.000	505.185	199035.09	0.0455	P	2.8
8	☐	1000.000	996.631	391011.94	0.0897	P	0.2
9	☐			8349.73	0.0021	P	6.9

$$y = 8.9919\text{E-}005 * x + 3.9524\text{E-}005$$

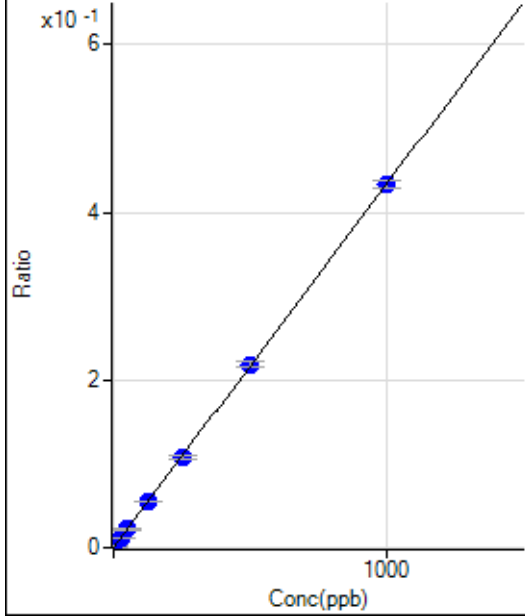
$$R = 1.0000$$

$$DL = 0.2108$$

$$BEC = 0.4396$$

Weight: <None>

Min Conc: 0

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

	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	1025.06	0.0002	P	8.6
2	☐	2.500	2.470	6043.04	0.0013	P	2.4
3	☐	25.000	25.576	54453.94	0.0113	P	4.2
4	☐	50.000	50.546	104766.42	0.0221	P	16.3
5	☐	125.000	125.801	252801.53	0.0547	P	2.1
6	☐	250.000	249.190	490649.30	0.1081	P	4.2
7	☐	500.000	503.745	956092.70	0.2184	P	3.0
8	☐	1000.000	998.188	1886449.89	0.4326	P	2.2
9	☐			41165.29	0.0105	P	9.1

$$y = 4.3313\text{E-}004 * x + 2.1764\text{E-}004$$

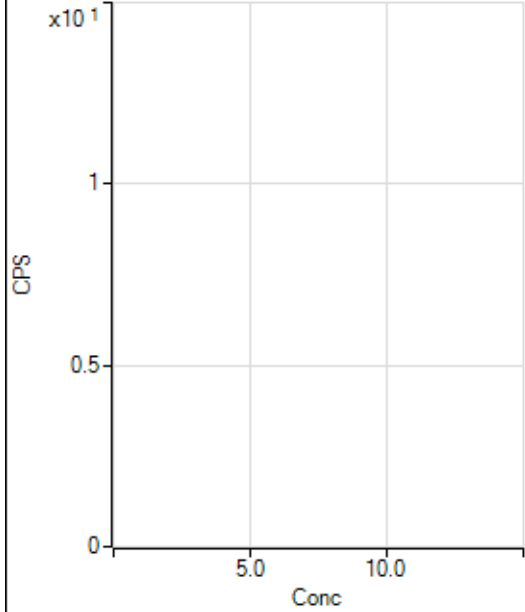
$$R = 1.0000$$

$$DL = 0.1302$$

$$BEC = 0.5025$$

Weight: <None>

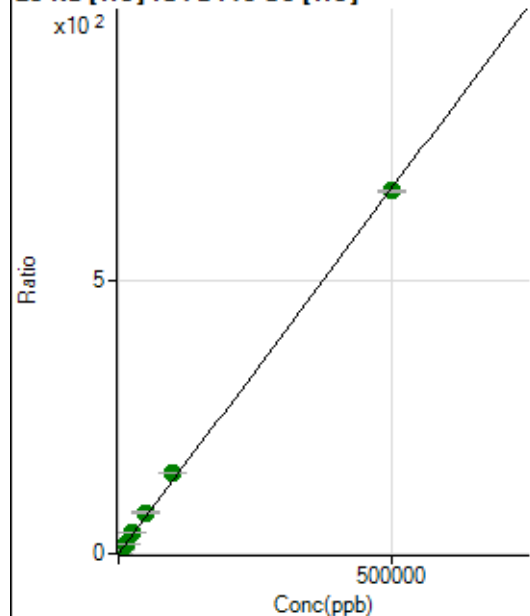
Min Conc: 0

12 C [No Gas] No available calibration points

	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐						
2	☐						
3	☐						
4	☐						
5	☐						
6	☐						
7	☐						
8	☐						
9	☐						

12 C [He] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐						
2	☐						
3	☐						
4	☐						
5	☐						
6	☐						
7	☐						
8	☐						
9	☐						

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	18206.66	0.0268	P	3.1
2	☐	50.000	57.078	69793.93	0.1029	P	0.6
3	☐	500.000	588.969	554771.28	0.8125	P	0.9
4	☐	5000.000	5699.064	5138000.02	7.6295	A	3.0
5	☐	12500.000	14325.948	12592597.91	19.1381	A	0.7
6	☐	25000.000	28832.001	25114912.75	38.4896	A	0.9
7	☐	50000.000	56588.475	49657036.43	75.5176	A	0.7
8	☐	100000.00	110806.42	98296229.03	147.8461	A	0.6
9	☐	500000.00	496935.53	437951377.69	662.9548	A	0.7

$$y = 0.0013 * x + 0.0268$$

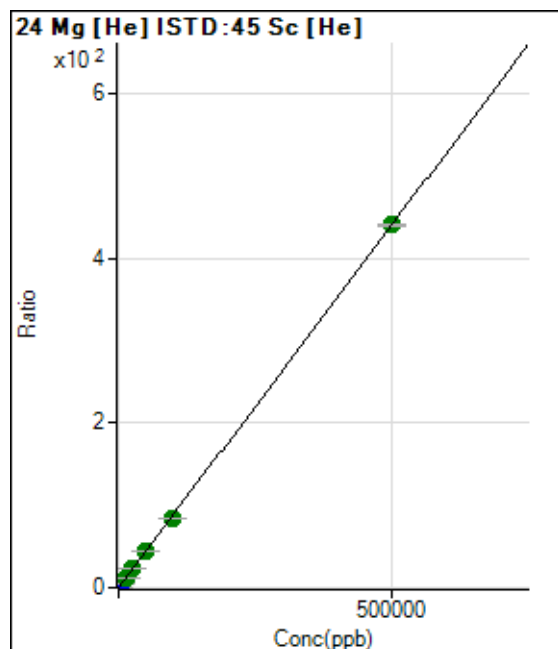
$$R = 0.9997$$

$$DL = 1.85$$

$$BEC = 20.09$$

Weight: <None>

Min Conc: 0



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	369.46	0.0005	P	15.7
2	☐	50.000	50.817	30698.59	0.0453	P	1.0
3	☐	500.000	513.926	309299.15	0.4530	P	0.2
4	☐	5000.000	5027.626	2981177.89	4.4265	P	2.4
5	☐	12500.000	12664.008	7335958.24	11.1490	A	1.4
6	☐	25000.000	25450.246	14619836.96	22.4050	A	0.4
7	☐	50000.000	49765.679	28808314.88	43.8104	A	0.8
8	☐	100000.00	96014.580	56192885.98	84.5244	A	1.5
9	☐	500000.00	500793.61	291232906.51	440.8609	A	0.3

$$y = 8.8032\text{E-}004 * x + 5.4364\text{E-}004$$

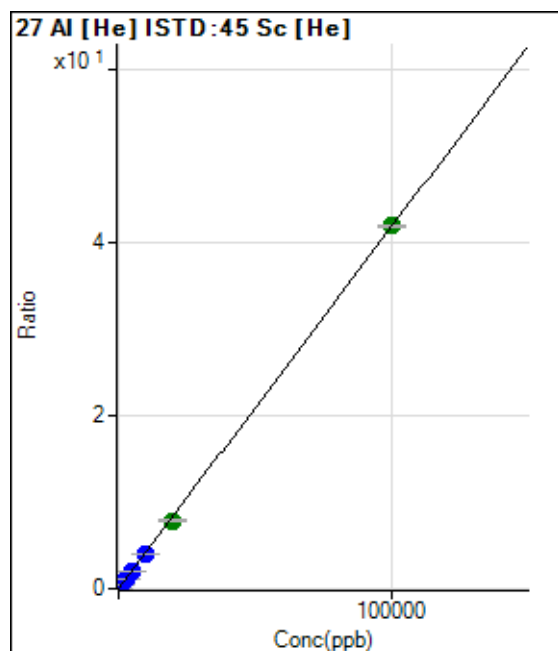
$$R = 1.0000$$

$$DL = 0.2905$$

$$BEC = 0.6175$$

Weight: <None>

Min Conc: 0



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	133.34	0.0002	P	38.6
2	☐	2.000	2.150	741.70	0.0011	P	4.6
3	☐	20.000	21.303	6209.78	0.0091	P	0.9
4	☐	1000.000	997.527	280760.54	0.4169	P	2.5
5	☐	2500.000	2533.078	696357.71	1.0583	P	1.1
6	☐	5000.000	5019.461	1368291.25	2.0969	P	0.4
7	☐	10000.000	9752.508	2678930.96	4.0740	P	0.3
8	☐	20000.000	18802.930	5221926.11	7.8546	A	1.1
9	☐	100000.00	100262.38	27666856.52	41.8818	A	0.4

$$y = 4.1772\text{E-}004 * x + 1.9596\text{E-}004$$

$$R = 0.9999$$

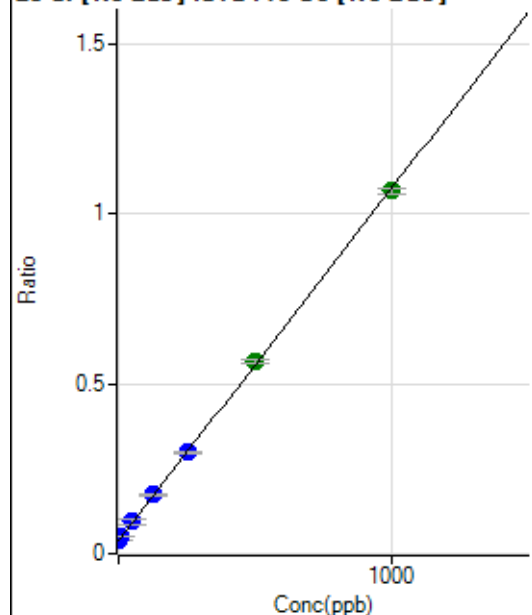
$$DL = 0.5438$$

$$BEC = 0.4691$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	326908.39	0.0380	P	1.0
2	☐	1.000	1.280	333776.58	0.0394	P	1.1
3	☐	10.000	10.076	417988.78	0.0485	P	0.6
4	☐	50.000	54.233	795307.57	0.0942	P	20.0
5	☐	125.000	130.419	1471479.87	0.1731	P	1.4
6	☐	250.000	251.939	2552851.73	0.2989	P	1.8
7	☐	500.000	510.989	4718818.46	0.5672	A	2.1
8	☐	1000.000	993.131	8977016.17	1.0664	A	1.8
9	☐			1201817.43	0.1534	P	6.8

$$y = 0.0010 * x + 0.0380$$

$$R = 0.9999$$

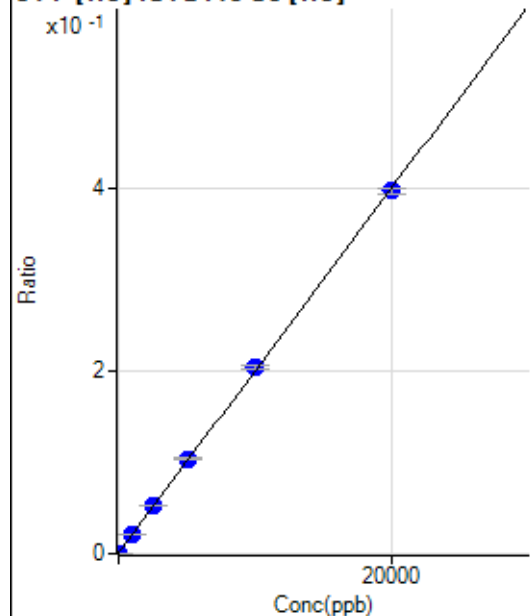
$$DL = 1.092$$

$$BEC = 36.73$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	-2.639	461.13	0.0007	P	4.7
2	☐	0.000	1.750	519.47	0.0008	P	10.8
3	☐	0.000	0.889	511.14	0.0007	P	17.1
4	☐	1000.000	1011.252	14123.67	0.0210	P	2.1
5	☐	2500.000	2583.568	34501.58	0.0524	P	0.9
6	☐	5000.000	5168.779	67971.41	0.1042	P	1.4
7	☐	10000.000	10178.573	134425.28	0.2044	P	1.4
8	☐	20000.000	19857.510	264683.27	0.3981	P	1.3
9	☐			652.81	0.0010	P	20.3

$$y = 2.0012E-005 * x + 7.3146E-004$$

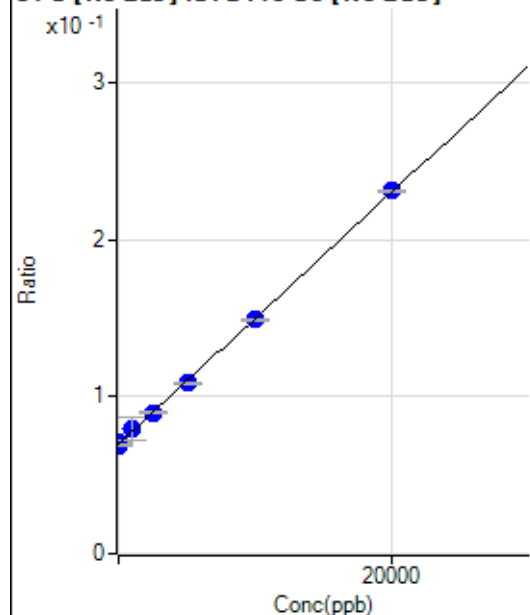
$$R = 0.9999$$

$$DL = 12.14$$

$$BEC = 36.55$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	-95.675	593060.64	0.0690	P	0.3
2	☐	0.000	106.554	598874.58	0.0706	P	1.4
3	☐	0.000	-10.879	600875.70	0.0697	P	1.8
4	☐	1000.000	1222.843	672926.95	0.0796	P	18.8
5	☐	2500.000	2503.377	763665.83	0.0898	P	1.2
6	☐	5000.000	4822.775	925923.13	0.1084	P	0.9
7	☐	10000.000	9858.600	1237792.99	0.1488	P	0.3
8	☐	20000.000	20103.442	1943319.14	0.2309	P	0.7
9	☐			516793.05	0.0660	P	2.6

$$y = 8.0127E-006 * x + 0.0698$$

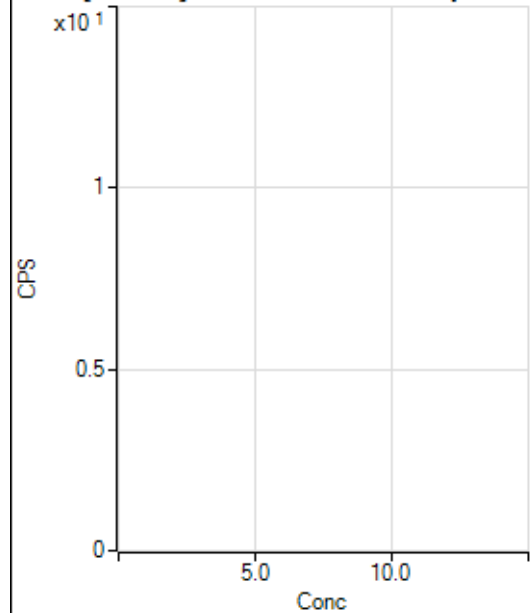
R = 0.9998

DL = 308.4

BEC = 8708

Weight: <None>

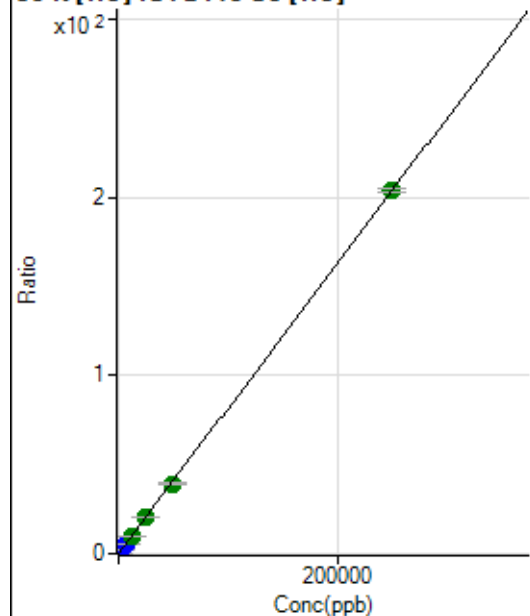
Min Conc: 0

35 Cl [No Gas] No available calibration points

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐						
2	☐						
3	☐						
4	☐						
5	☐						
6	☐						
7	☐						
8	☐						
9	☐						

35 Cl [He] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐						
2	☐						
3	☐						
4	☐						
5	☐						
6	☐						
7	☐						
8	☐						
9	☐						

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	52247.78	0.0769	P	1.7
2	☐	50.000	51.966	80760.62	0.1191	P	0.9
3	☐	500.000	518.056	339945.27	0.4978	P	0.1
4	☐	2500.000	2615.950	1483286.91	2.2025	P	2.8
5	☐	6250.000	6612.158	3585862.23	5.4497	P	0.8
6	☐	12500.000	12329.122	6587298.50	10.0952	A	0.9
7	☐	25000.000	24600.472	13194977.64	20.0665	A	0.5
8	☐	50000.000	48276.543	26131765.86	39.3050	A	0.8
9	☐	250000.00	250382.93	134456371.06	203.5308	A	1.0

$$y = 8.1257E-004 * x + 0.0769$$

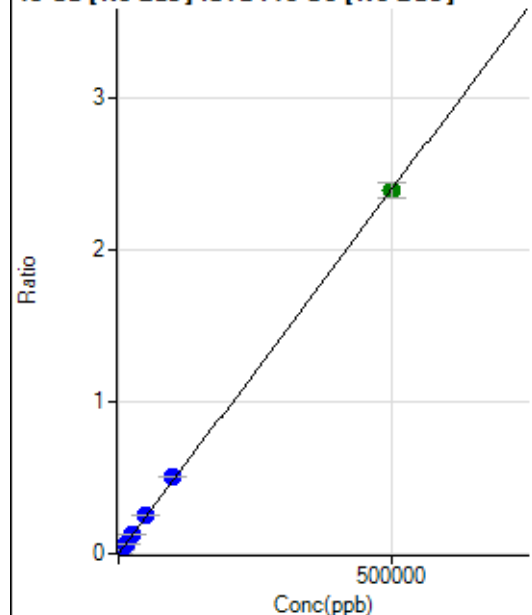
$$R = 1.0000$$

$$DL = 4.861$$

$$BEC = 94.63$$

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	286.12	0.0000	P	21.2
2	☐	50.000	52.406	2408.61	0.0003	P	4.6
3	☐	500.000	529.658	22150.34	0.0026	P	1.6
4	☐	5000.000	5532.573	223624.47	0.0265	P	21.0
5	☐	12500.000	13639.480	555257.21	0.0653	P	1.4
6	☐	25000.000	26908.453	1100217.58	0.1288	P	0.9
7	☐	50000.000	53666.128	2137432.80	0.2569	P	0.5
8	☐	100000.00	105357.92	4245130.74	0.5043	P	0.9
9	☐	500000.00	498432.53	18686008.93	2.3856	A	4.4

$$y = 4.7862\text{E-}006 * x + 3.3274\text{E-}005$$

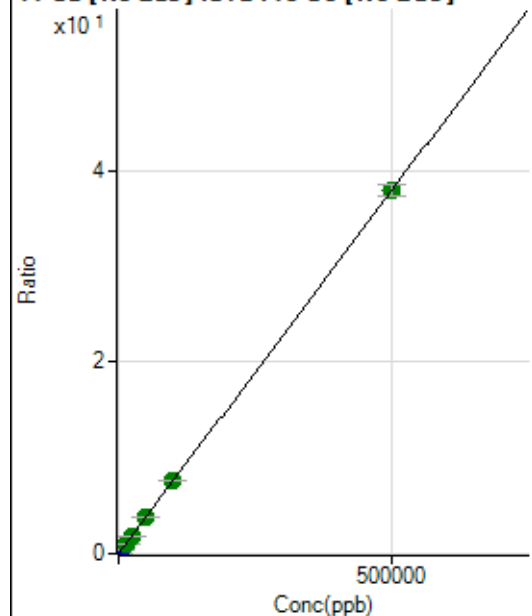
$$R = 0.9999$$

$$DL = 4.423$$

$$BEC = 6.952$$

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	10954.32	0.0013	P	3.4
2	☐	50.000	55.140	46245.02	0.0055	P	1.3
3	☐	500.000	535.478	360940.77	0.0419	P	0.8
4	☐	5000.000	5426.829	3481761.97	0.4125	P	20.4
5	☐	12500.000	12664.518	8169945.23	0.9610	A	1.6
6	☐	25000.000	24966.467	16170663.21	1.8933	A	0.4
7	☐	50000.000	50201.987	31665277.79	3.8058	A	1.0
8	☐	100000.00	99970.503	63786674.34	7.5774	A	0.5
9	☐	500000.00	499978.96	296859326.08	37.8914	A	3.3

$$y = 7.5784\text{E-}005 * x + 0.0013$$

$$R = 1.0000$$

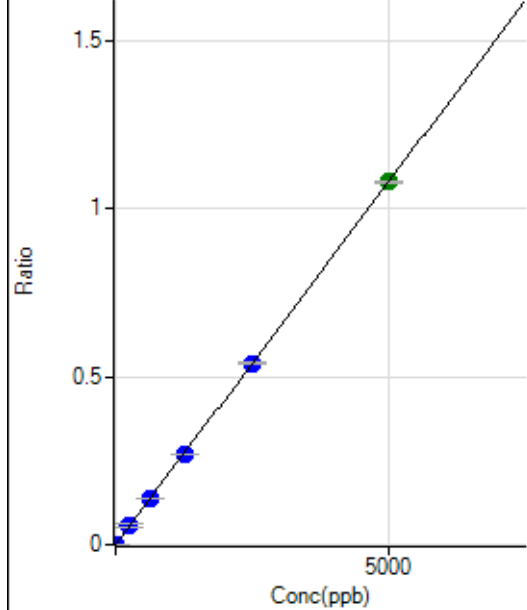
$$DL = 1.703$$

$$BEC = 16.82$$

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	136.11	0.0000	P	20.2
2	☐	0.500	0.490	1030.62	0.0001	P	15.0
3	☐	5.000	5.303	10003.69	0.0012	P	5.3
4	☐	250.000	258.683	471404.29	0.0558	P	20.2
5	☐	625.000	635.475	1166000.47	0.1372	P	0.6
6	☐	1250.000	1249.438	2302946.49	0.2696	P	0.8
7	☐	2500.000	2495.463	4480784.00	0.5385	P	1.0
8	☐	5000.000	5000.665	9084480.67	1.0792	A	0.4
9	☐			2491.94	0.0003	P	6.0

$$y = 2.1580E-004 * x + 1.5848E-005$$

$$R = 1.0000$$

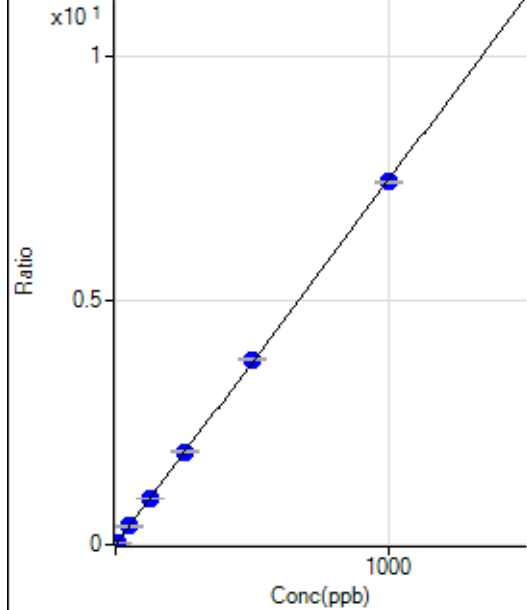
$$DL = 0.04453$$

$$BEC = 0.07344$$

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	16.67	0.0000	P	52.8
2	☐	0.500	0.499	2545.80	0.0038	P	4.8
3	☐	5.000	5.172	26401.43	0.0387	P	1.3
4	☐	50.000	50.528	254283.46	0.3776	P	2.5
5	☐	125.000	127.509	626948.19	0.9528	P	0.9
6	☐	250.000	255.264	1244589.24	1.9074	P	0.8
7	☐	500.000	507.000	2491031.45	3.7884	P	0.8
8	☐	1000.000	994.843	4942295.93	7.4335	P	0.4
9	☐			1302.30	0.0020	P	2.1

$$y = 0.0075 * x + 2.4511E-005$$

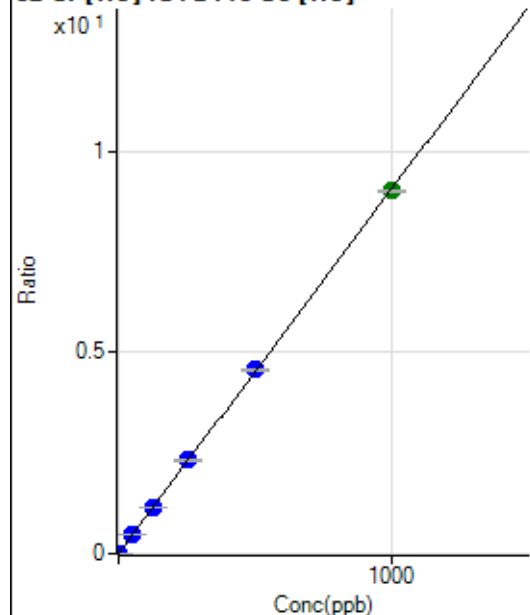
$$R = 0.9999$$

$$DL = 0.005196$$

$$BEC = 0.00328$$

Weight: <None>

Min Conc: 0

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

	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	2473.56	0.0036	P	4.8
2	☐	0.200	0.171	3516.02	0.0052	P	2.7
3	☐	2.000	2.133	15677.31	0.0230	P	1.4
4	☐	50.000	51.115	314279.51	0.4666	P	2.4
5	☐	125.000	128.446	767970.75	1.1671	P	0.1
6	☐	250.000	256.065	1515869.70	2.3231	P	1.0
7	☐	500.000	504.829	3009225.54	4.5765	P	1.2
8	☐	1000.000	995.582	5998275.26	9.0218	A	0.5
9	☐			39493.83	0.0598	P	1.2

$$y = 0.0091 * x + 0.0036$$

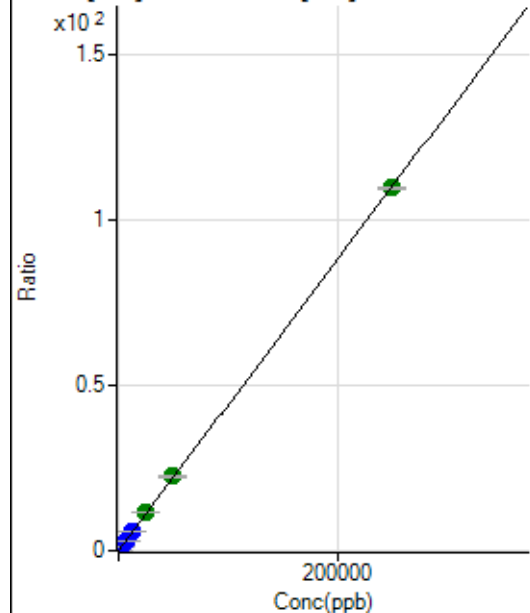
$$R = 1.0000$$

$$DL = 0.05781$$

$$BEC = 0.4018$$

Weight: <None>

Min Conc: 0

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

	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	1468.25	0.0022	P	9.2
2	☐	5.000	5.741	3173.61	0.0047	P	4.3
3	☐	50.000	57.699	18781.31	0.0275	P	1.3
4	☐	2500.000	2715.119	804777.01	1.1949	P	1.9
5	☐	6250.000	6854.880	1982771.68	3.0134	P	0.7
6	☐	12500.000	13478.368	3864910.19	5.9230	P	0.8
7	☐	25000.000	26121.801	7546847.10	11.4771	A	0.4
8	☐	50000.000	51007.014	14897719.28	22.4087	A	1.5
9	☐	250000.00	249620.22	72438645.26	109.6564	A	0.8

$$y = 4.3928E-004 * x + 0.0022$$

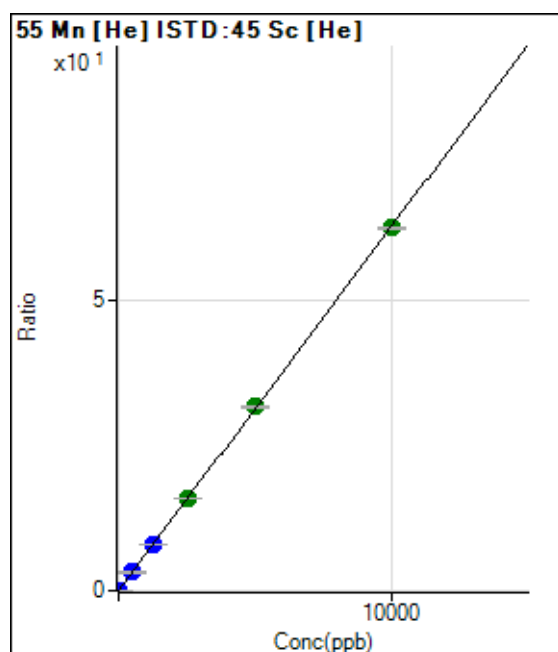
$$R = 1.0000$$

$$DL = 1.363$$

$$BEC = 4.917$$

Weight: <None>

Min Conc: 0



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	177.78	0.0003	P	15.9
2	☐	0.100	0.094	575.57	0.0008	P	5.4
3	☐	1.000	1.044	4644.11	0.0068	P	3.4
4	☐	500.000	505.280	2133079.53	3.1673	P	2.5
5	☐	1250.000	1268.930	5233584.82	7.9537	P	0.6
6	☐	2500.000	2516.746	10293463.60	15.7749	A	0.5
7	☐	5000.000	5064.783	20874195.80	31.7457	A	1.0
8	☐	10000.000	9960.792	41508896.60	62.4332	A	0.8
9	☐			26344.73	0.0399	P	0.8

$$y = 0.0063 * x + 2.6163E-004$$

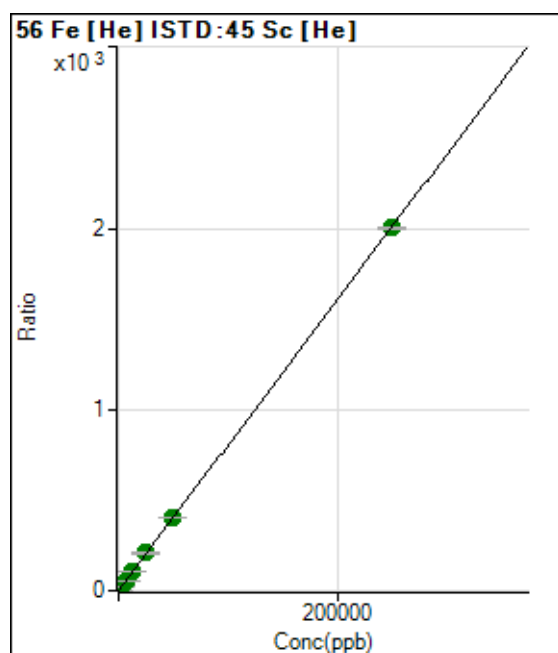
$$R = 1.0000$$

$$DL = 0.01994$$

$$BEC = 0.04174$$

Weight: <None>

Min Conc: 0



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	8459.99	0.0124	P	4.3
2	☐	5.000	5.216	36801.61	0.0543	P	1.2
3	☐	50.000	55.359	311651.13	0.4564	P	0.1
4	☐	2500.000	2558.834	13830297.76	20.5338	A	1.9
5	☐	6250.000	6544.397	34543341.28	52.4971	A	0.6
6	☐	12500.000	13012.091	68101089.02	104.3667	A	0.6
7	☐	25000.000	25920.528	136698379.91	207.8896	A	1.3
8	☐	50000.000	50621.147	269917093.07	405.9834	A	0.7
9	☐	250000.00	249750.16	1323150399.9	2002.956	A	0.4

$$y = 0.0080 * x + 0.0124$$

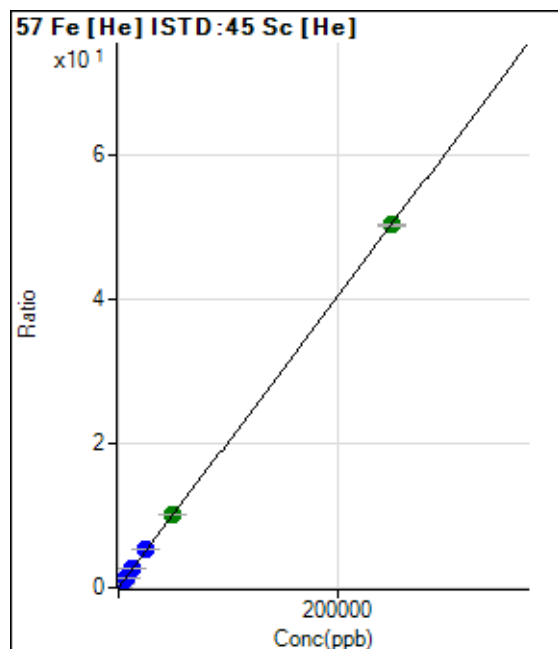
$$R = 1.0000$$

$$DL = 0.1985$$

$$BEC = 1.552$$

Weight: <None>

Min Conc: 0



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	174.08	0.0003	P	8.1
2	☐	5.000	5.218	887.08	0.0013	P	2.2
3	☐	50.000	54.846	7726.22	0.0113	P	4.0
4	☐	2500.000	2639.179	358681.08	0.5325	P	1.8
5	☐	6250.000	6702.405	889611.07	1.3520	P	0.1
6	☐	12500.000	13265.472	1745880.25	2.6756	P	0.9
7	☐	25000.000	26076.489	3458314.92	5.2593	P	0.6
8	☐	50000.000	50191.455	6730035.74	10.1228	A	0.9
9	☐	250000.00	249803.08	33280924.58	50.3804	A	0.5

$$y = 2.0168\text{E-}004 * x + 2.5620\text{E-}004$$

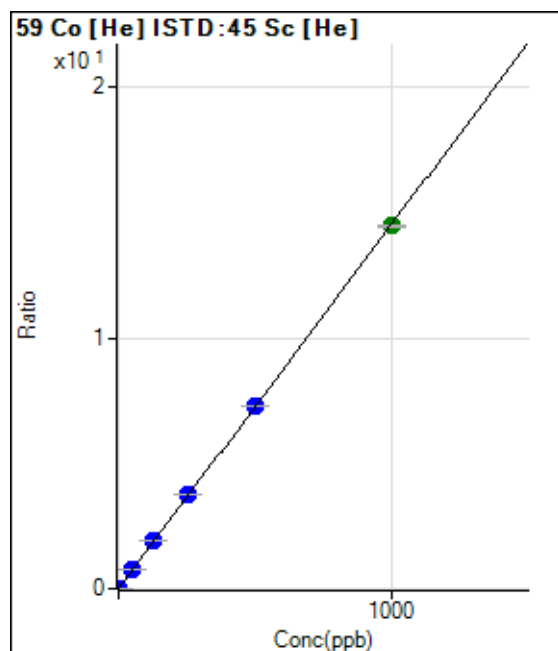
$$R = 1.0000$$

$$DL = 0.3102$$

$$BEC = 1.27$$

Weight: <None>

Min Conc: 0



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	253.34	0.0004	P	10.8
2	☐	0.100	0.099	1231.18	0.0018	P	6.3
3	☐	1.000	1.072	10875.19	0.0159	P	3.2
4	☐	50.000	51.921	507883.51	0.7541	P	2.1
5	☐	125.000	130.149	1243384.56	1.8897	P	0.9
6	☐	250.000	258.606	2449843.89	3.7544	P	0.6
7	☐	500.000	502.118	4793153.82	7.2894	P	0.7
8	☐	1000.000	996.050	9613573.12	14.4596	A	0.6
9	☐			15123.45	0.0229	P	1.6

$$y = 0.0145 * x + 3.7295\text{E-}004$$

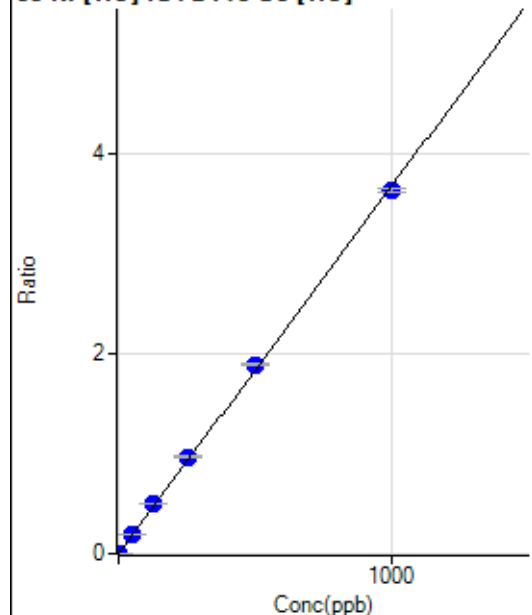
$$R = 0.9999$$

$$DL = 0.008318$$

$$BEC = 0.02569$$

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	95.56	0.0001	P	2.4
2	☐	0.100	0.102	348.90	0.0005	P	18.2
3	☐	1.000	1.138	2945.88	0.0043	P	4.1
4	☐	50.000	53.045	131156.10	0.1947	P	2.3
5	☐	125.000	134.137	323875.75	0.4922	P	0.8
6	☐	250.000	264.077	632239.08	0.9689	P	0.3
7	☐	500.000	515.405	1243369.10	1.8909	P	0.7
8	☐	1000.000	987.484	2408539.53	3.6227	P	1.0
9	☐			8157.90	0.0123	P	1.5

$$y = 0.0037 * x + 1.4063E-004$$

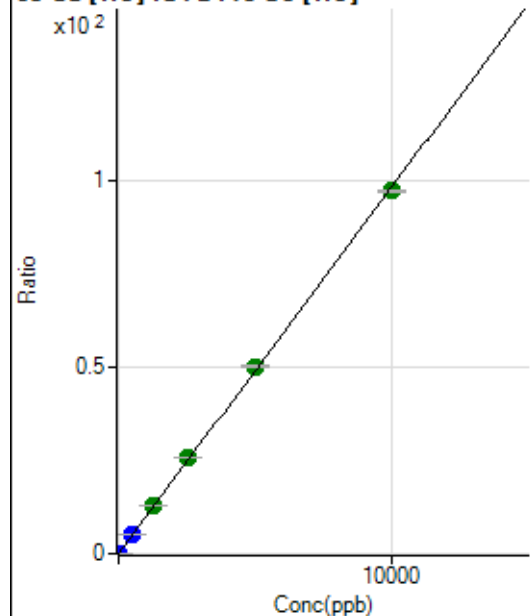
$$R = 0.9997$$

$$DL = 0.002802$$

$$BEC = 0.03834$$

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	1275.63	0.0019	P	3.6
2	☐	0.200	0.198	2590.26	0.0038	P	5.7
3	☐	2.000	2.127	15569.50	0.0228	P	0.7
4	☐	500.000	516.603	3423534.81	5.0831	P	2.1
5	☐	1250.000	1317.608	8528906.96	12.9617	A	0.9
6	☐	2500.000	2631.853	16892550.30	25.8884	A	0.9
7	☐	5000.000	5103.720	33010040.34	50.2014	A	0.9
8	☐	10000.000	9905.895	64780351.81	97.4350	A	0.6
9	☐			42021.18	0.0636	P	0.8

$$y = 0.0098 * x + 0.0019$$

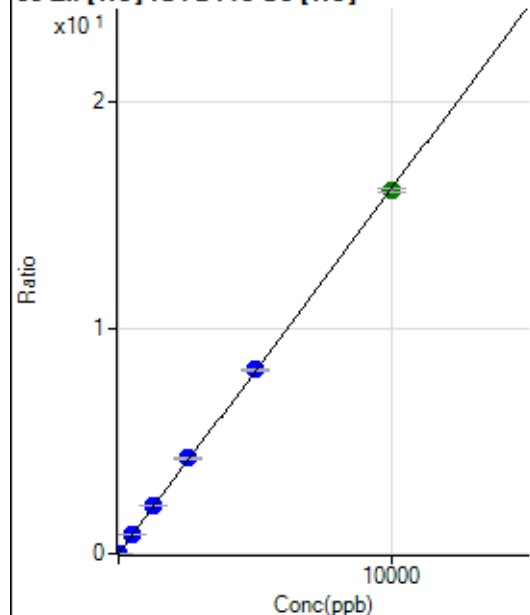
$$R = 0.9998$$

$$DL = 0.02042$$

$$BEC = 0.1908$$

Weight: <None>

Min Conc: 0

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

	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	662.25	0.0010	P	9.5
2	☒	0.200					
3	☐	2.000	2.232	3131.48	0.0046	P	3.4
4	☐	500.000	527.336	575255.15	0.8542	P	2.7
5	☐	1250.000	1321.744	1407815.97	2.1395	P	0.6
6	☐	2500.000	2612.126	2758400.27	4.2273	P	0.8
7	☐	5000.000	5036.274	5358783.53	8.1495	P	0.6
8	☐	10000.000	9943.497	10696999.77	16.0893	A	1.0
9	☐			22317.13	0.0338	P	2.5

$$y = 0.0016 * x + 9.7442E-004$$

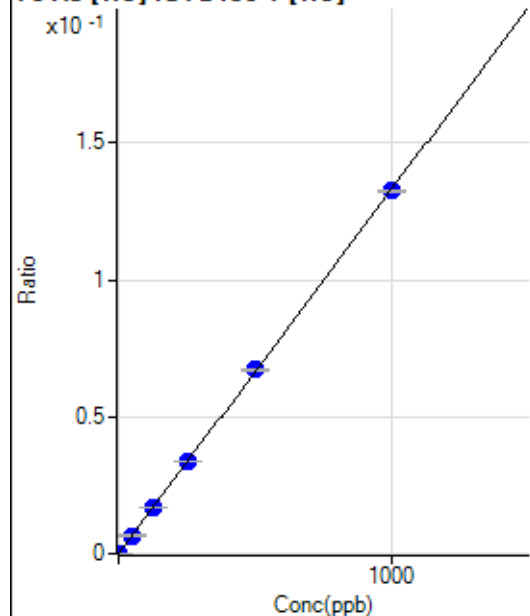
$$R = 0.9999$$

$$DL = 0.1714$$

$$BEC = 0.6022$$

Weight: <None>

Min Conc: 0

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

	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	32.71	0.0000	P	25.2
2	☐	0.100	0.085	88.27	0.0000	P	12.7
3	☐	1.000	1.030	712.99	0.0001	P	7.6
4	☐	50.000	50.062	32847.43	0.0067	P	3.3
5	☐	125.000	127.640	82046.60	0.0170	P	0.4
6	☐	250.000	254.129	162320.09	0.0338	P	0.4
7	☐	500.000	505.235	325955.67	0.0672	P	0.6
8	☐	1000.000	996.017	643981.68	0.1325	P	0.6
9	☐			323.46	0.0001	P	3.2

$$y = 1.3302E-004 * x + 6.5869E-006$$

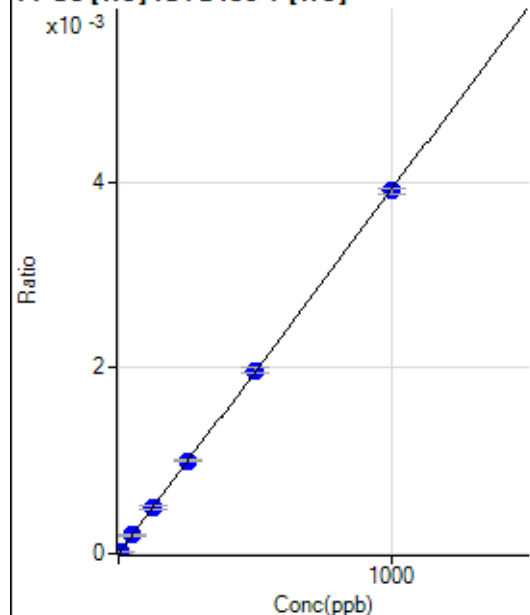
$$R = 1.0000$$

$$DL = 0.03745$$

$$BEC = 0.04952$$

Weight: <None>

Min Conc: 0

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

	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	1.11	0.0000	P	173.
2	☐	0.500	0.750	15.56	0.0000	P	75.8
3	☐	5.000	6.048	118.89	0.0000	P	16.4
4	☐	50.000	50.406	974.49	0.0002	P	4.2
5	☐	125.000	127.985	2423.56	0.0005	P	8.3
6	☐	250.000	255.947	4816.41	0.0010	P	1.9
7	☐	500.000	503.944	9577.69	0.0020	P	2.4
8	☐	1000.000	996.142	18972.54	0.0039	P	1.8
9	☐			6.67	0.0000	P	0.4

$$y = 3.9188\text{E-}006 * x + 2.2324\text{E-}007$$

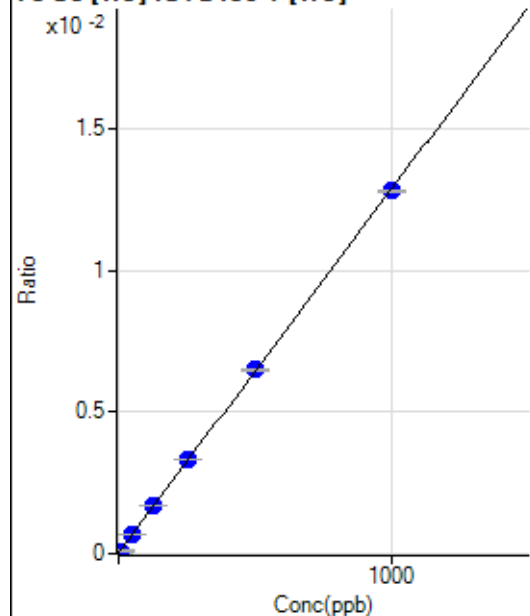
$$R = 1.0000$$

$$DL = 0.296$$

$$BEC = 0.05697$$

Weight: <None>

Min Conc: 0

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

	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	136.42	0.0000	P	7.0
2	☐	0.500	0.431	162.97	0.0000	P	12.8
3	☐	5.000	5.553	491.37	0.0001	P	9.1
4	☐	50.000	50.636	3344.23	0.0007	P	4.3
5	☐	125.000	130.352	8231.38	0.0017	P	0.8
6	☐	250.000	258.586	16099.08	0.0034	P	0.3
7	☐	500.000	504.210	31583.06	0.0065	P	1.0
8	☐	1000.000	995.045	62336.08	0.0128	P	0.6
9	☐			175.93	0.0000	P	1.9

$$y = 1.2862\text{E-}005 * x + 2.7491\text{E-}005$$

$$R = 0.9999$$

$$DL = 0.4479$$

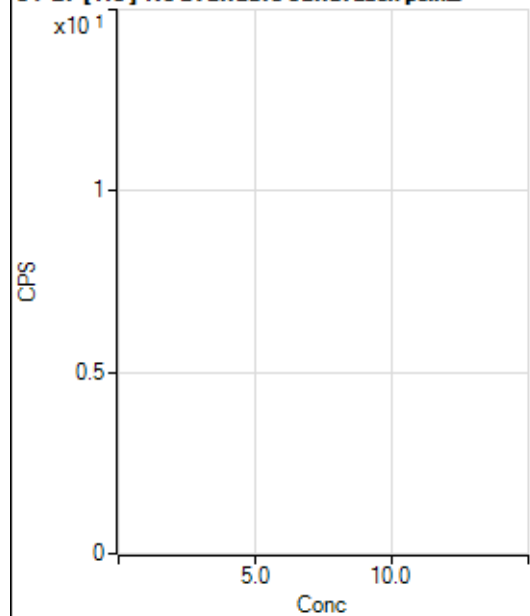
$$BEC = 2.137$$

Weight: <None>

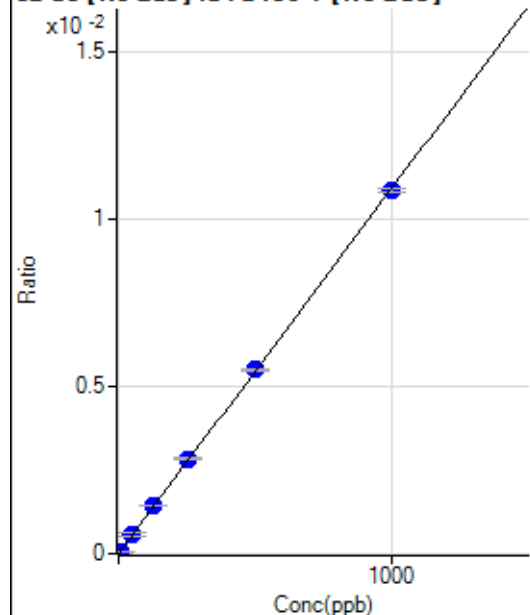
Min Conc: 0

81 Br [No Gas] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			9753.51		P	3.2
2	☐			9800.79		P	5.7
3	☐			9870.34		P	4.6
4	☐			9697.92		P	0.9
5	☐			9547.86		P	3.4
6	☐			9770.27		P	2.9
7	☐			9650.72		P	1.2
8	☐			10167.72		P	1.5
9	☐			10123.26		P	1.3

81 Br [He] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			83.42		P	38.6
2	☐			103.44		P	45.7
3	☐			100.10		P	17.3
4	☐			96.76		P	15.8
5	☐			100.10		P	45.8
6	☐			70.07		P	28.6
7	☐			106.77		P	10.8
8	☐			176.85		P	34.1
9	☐			170.18		P	21.2

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	-72.90	0.0000	P	-68.
2	☒	0.500					
3	☐	5.000	5.604	1256.39	0.0001	P	3.7
4	☐	50.000	53.692	12493.84	0.0006	P	18.1
5	☐	125.000	132.019	30383.01	0.0014	P	1.3
6	☐	250.000	258.771	60362.60	0.0028	P	1.8
7	☐	500.000	505.212	117299.11	0.0055	P	0.8
8	☐	1000.000	994.136	232033.32	0.0108	P	1.1
9	☐			64.73	0.0000	P	169.

$$y = 1.0903E-005 * x - 3.3596E-006$$

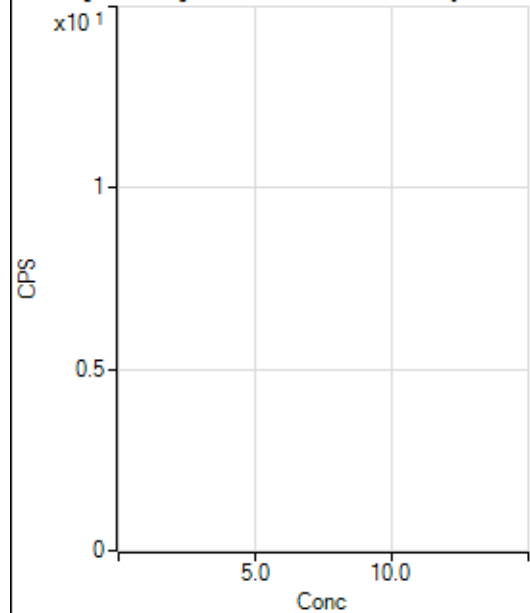
$$R = 0.9999$$

$$DL = 0.6364$$

$$BEC = -0.3081$$

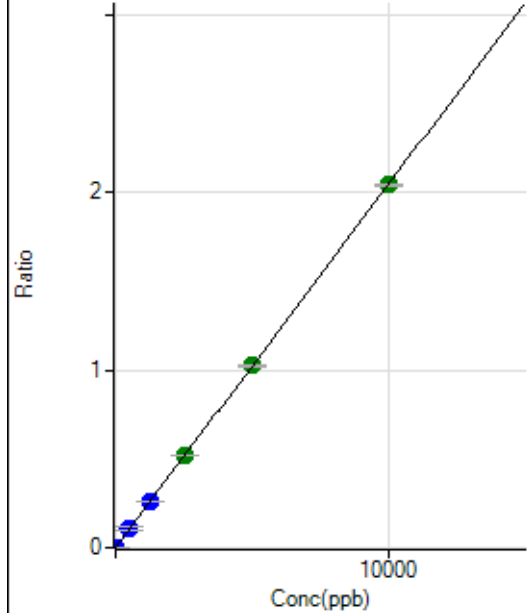
Weight: <None>

Min Conc: 0

83 Kr [No Gas] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐			2025.72		P	1.5
2	☐			1954.60		P	1.8
3	☐			1950.15		P	1.6
4	☐			1911.26		P	5.1
5	☐			1911.26		P	4.5
6	☐			1992.38		P	2.8
7	☐			1891.25		P	1.8
8	☐			2011.27		P	2.4
9	☐			1867.92		P	2.4

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



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	3136.56	0.0001	P	6.3
2	☐	0.100	0.100	3494.97	0.0002	P	3.1
3	☐	1.000	1.071	7913.50	0.0004	P	2.1
4	☐	500.000	507.754	2230352.33	0.1040	P	18.9
5	☐	1250.000	1266.552	5483897.52	0.2592	P	0.5
6	☐	2500.000	2530.598	11090121.86	0.5177	A	1.3
7	☐	5000.000	5011.467	21843152.40	1.0251	A	1.1
8	☐	10000.000	9984.161	43734022.16	2.0421	A	0.2
9	☐			17619.48	0.0009	P	2.7

$$y = 2.0452E-004 * x + 1.4470E-004$$

$$R = 1.0000$$

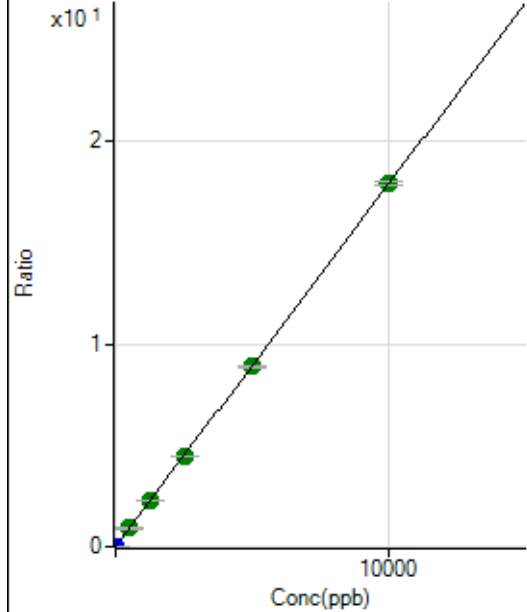
$$DL = 0.1342$$

$$BEC = 0.7075$$

Weight: <None>

Min Conc: 0

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



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	672.26	0.0000	P	16.5
2	☐	0.100	0.099	4386.88	0.0002	P	1.6
3	☐	1.000	1.056	41730.71	0.0019	P	1.6
4	☐	500.000	507.113	19443777.00	0.9061	A	18.4
5	☐	1250.000	1268.071	47940287.53	2.2658	A	1.4
6	☐	2500.000	2499.520	95673022.28	4.4662	A	1.1
7	☐	5000.000	4974.949	189412363.96	8.8892	A	1.3
8	☐	10000.000	10010.031	383019633.56	17.8859	A	1.0
9	☐			126623.57	0.0065	P	2.8

$$y = 0.0018 * x + 3.1016E-005$$

$$R = 1.0000$$

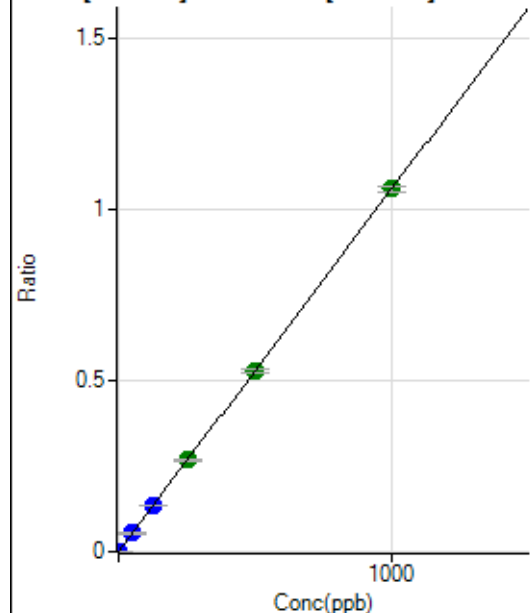
$$DL = 0.008602$$

$$BEC = 0.01736$$

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	1350.10	0.0001	P	10.3
2	☐	0.100	0.099	3542.20	0.0002	P	4.1
3	☐	1.000	1.000	24429.75	0.0011	P	3.5
4	☐	50.000	50.767	1155940.55	0.0539	P	18.7
5	☐	125.000	128.154	2876442.71	0.1359	P	0.2
6	☐	250.000	252.147	5728480.55	0.2674	A	1.4
7	☐	500.000	496.758	11224546.61	0.5268	A	1.9
8	☐	1000.000	1000.652	22722249.64	1.0611	A	1.4
9	☐			6640.61	0.0003	P	4.1

$$y = 0.0011 * x + 6.2294E-005$$

$$R = 1.0000$$

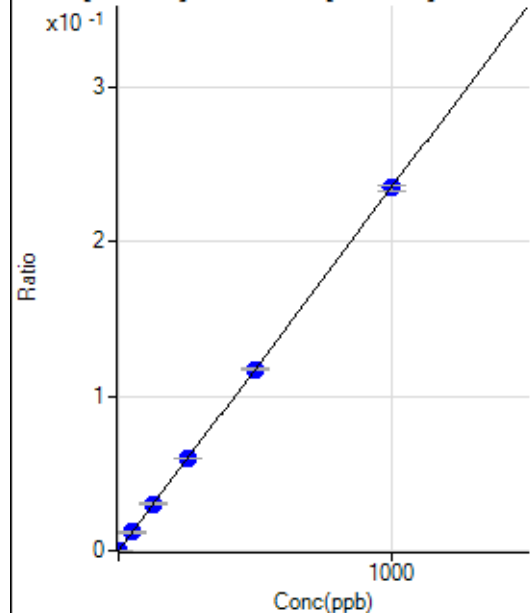
$$DL = 0.01823$$

$$BEC = 0.05875$$

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	255.56	0.0000	P	13.3
2	☐	0.100	0.092	705.59	0.0000	P	5.2
3	☐	1.000	0.980	5273.32	0.0002	P	6.4
4	☐	50.000	50.685	255906.67	0.0119	P	19.1
5	☐	125.000	129.626	645460.12	0.0305	P	0.3
6	☐	250.000	254.419	1282305.60	0.0599	P	1.8
7	☐	500.000	498.768	2500347.54	0.1173	P	1.5
8	☐	1000.000	998.899	5032192.73	0.2350	P	1.5
9	☐			1436.22	0.0001	P	4.7

$$y = 2.3525E-004 * x + 1.1788E-005$$

$$R = 1.0000$$

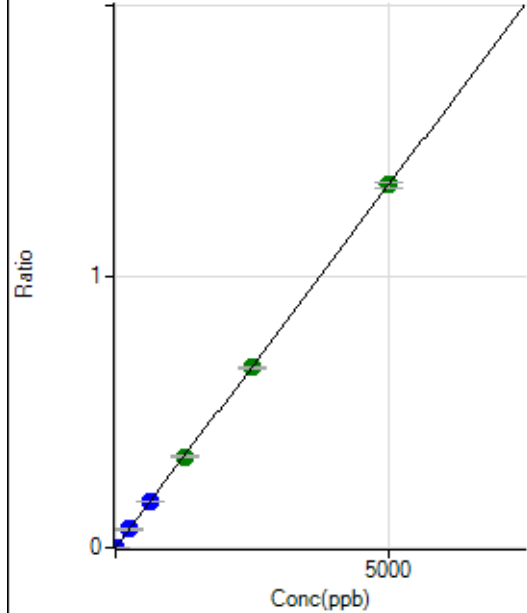
$$DL = 0.02005$$

$$BEC = 0.05011$$

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	522.25	0.0000	P	12.7
2	☐	0.500	0.516	3433.85	0.0002	P	7.2
3	☐	5.000	4.991	29586.62	0.0014	P	2.6
4	☐	250.000	251.924	1446699.10	0.0674	P	18.8
5	☐	625.000	636.164	3603031.68	0.1703	P	0.5
6	☐	1250.000	1258.426	7215466.57	0.3368	A	1.3
7	☐	2500.000	2483.703	14165086.95	0.6648	A	1.1
8	☐	5000.000	5004.550	28683281.54	1.3395	A	1.3
9	☐			14593.85	0.0007	P	3.1

$$y = 2.6764E-004 * x + 2.4092E-005$$

$$R = 1.0000$$

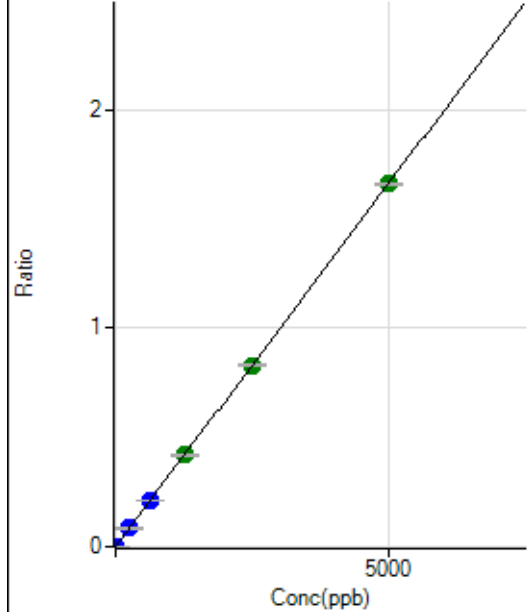
$$DL = 0.03428$$

$$BEC = 0.09002$$

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	177.78	0.0000	P	24.3
2	☐	0.500	0.516	3797.82	0.0002	P	1.4
3	☐	5.000	5.096	36984.53	0.0017	P	2.4
4	☐	250.000	253.985	1808143.33	0.0843	P	19.0
5	☐	625.000	635.679	4464818.59	0.2110	P	0.7
6	☐	1250.000	1263.010	8981428.07	0.4193	A	1.2
7	☐	2500.000	2496.343	17657186.51	0.8287	A	1.2
8	☐	5000.000	4997.042	35522132.74	1.6588	A	0.9
9	☐			22971.73	0.0012	P	5.4

$$y = 3.3195E-004 * x + 8.2057E-006$$

$$R = 1.0000$$

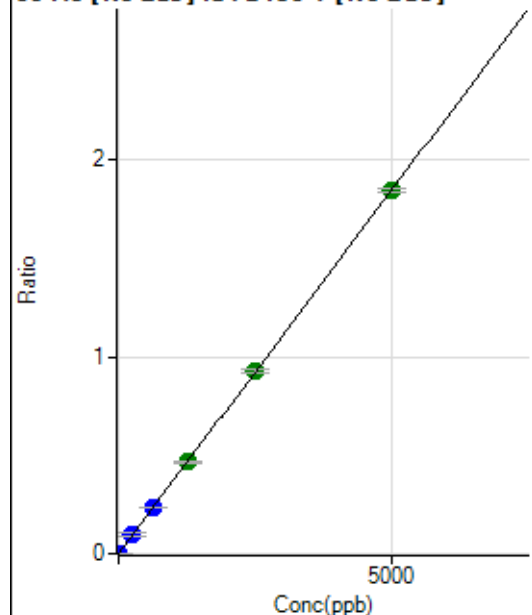
$$DL = 0.01804$$

$$BEC = 0.02472$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	288.90	0.0000	P	22.1
2	☐	0.500	0.501	4203.52	0.0002	P	7.1
3	☐	5.000	5.071	41065.08	0.0019	P	0.2
4	☐	250.000	254.788	2019928.67	0.0942	P	18.7
5	☐	625.000	638.644	4993846.29	0.2360	P	0.7
6	☐	1250.000	1262.003	9990190.33	0.4664	A	1.9
7	☐	2500.000	2504.915	19724180.65	0.9257	A	2.0
8	☐	5000.000	4992.597	39509831.09	1.8450	A	1.1
9	☐			26054.81	0.0013	P	8.0

$$y = 3.6955E-004 * x + 1.3334E-005$$

$$R = 1.0000$$

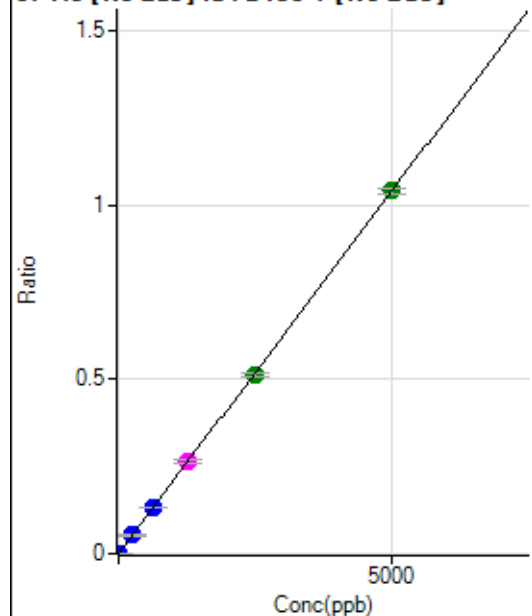
$$DL = 0.02387$$

$$BEC = 0.03608$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	80.56	0.0000	P	25.9
2	☐	0.500	0.509	2319.70	0.0001	P	3.0
3	☐	5.000	5.077	23046.83	0.0011	P	2.5
4	☐	250.000	253.876	1131984.98	0.0528	P	18.9
5	☐	625.000	640.081	2815449.74	0.1331	P	0.6
6	☐	1250.000	1268.909	5650111.02	0.2638	M	3.2
7	☐	2500.000	2470.802	10944381.84	0.5136	A	1.5
8	☐	5000.000	5007.793	22292793.20	1.0410	A	1.3
9	☐			13659.71	0.0007	P	7.7

$$y = 2.0788E-004 * x + 3.7157E-006$$

$$R = 1.0000$$

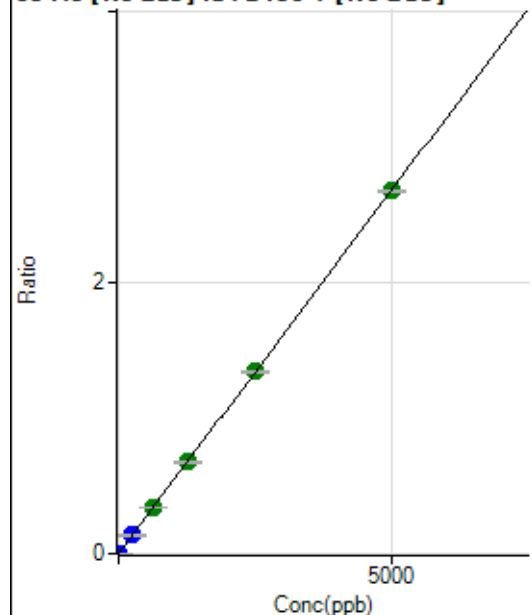
$$DL = 0.01389$$

$$BEC = 0.01787$$

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	250.01	0.0000	P	14.8
2	☐	0.500	0.513	6062.56	0.0003	P	5.2
3	☐	5.000	5.062	59298.27	0.0027	P	0.9
4	☐	250.000	253.577	2916030.56	0.1360	P	18.8
5	☐	625.000	635.155	7205265.35	0.3405	A	0.1
6	☐	1250.000	1265.080	14528335.92	0.6783	A	2.3
7	☐	2500.000	2506.702	28636105.15	1.3439	A	1.3
8	☐	5000.000	4991.431	57307897.81	2.6761	A	0.7
9	☐			35118.80	0.0018	P	6.3

$$y = 5.3613\text{E-}004 * x + 1.1537\text{E-}005$$

$$R = 1.0000$$

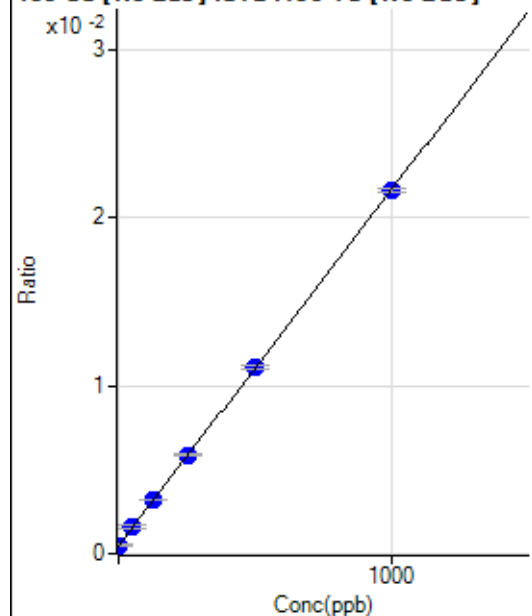
$$DL = 0.009533$$

$$BEC = 0.02152$$

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	9675.76	0.0005	P	5.7
2	☐	0.100	0.720	9817.53	0.0005	P	0.4
3	☐	1.000	2.028	10515.25	0.0005	P	3.7
4	☐	50.000	52.956	32668.82	0.0016	P	13.8
5	☐	125.000	130.147	65883.65	0.0032	P	1.3
6	☐	250.000	255.987	121889.21	0.0059	P	0.6
7	☐	500.000	501.705	225488.65	0.0111	P	1.4
8	☐	1000.000	996.859	442291.53	0.0216	P	1.2
9	☐			9570.16	0.0005	P	4.2

$$y = 2.1181\text{E-}005 * x + 4.6622\text{E-}004$$

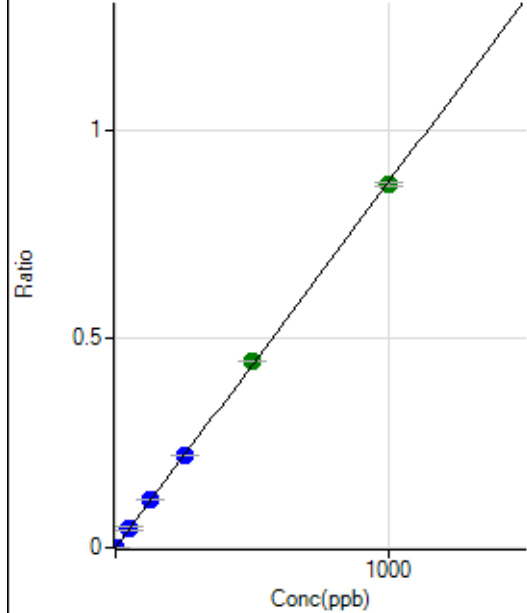
$$R = 1.0000$$

$$DL = 3.761$$

$$BEC = 22.01$$

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	127.78	0.0000	P	24.9
2	☐	0.100	0.098	1866.84	0.0001	P	7.3
3	☐	1.000	1.089	19797.52	0.0010	P	1.5
4	☐	50.000	53.778	961726.43	0.0470	P	19.4
5	☐	125.000	132.375	2366904.59	0.1158	P	0.6
6	☐	250.000	254.759	4612421.93	0.2228	P	0.3
7	☐	500.000	509.932	9066000.98	0.4460	A	0.5
8	☐	1000.000	992.733	17794832.69	0.8682	A	1.1
9	☐			5881.92	0.0003	P	3.8

$$y = 8.7459\text{E-}004 * x + 6.1593\text{E-}006$$

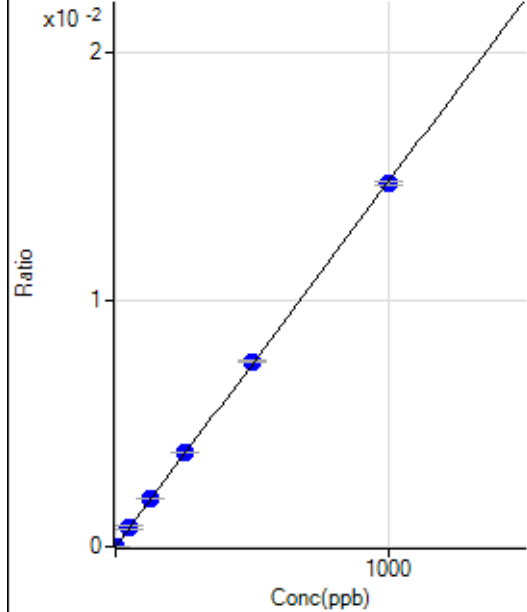
$$R = 0.9999$$

$$DL = 0.005256$$

$$BEC = 0.007043$$

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	90.28	0.0000	P	11.5
2	☐	0.100	0.107	120.84	0.0000	P	18.5
3	☐	1.000	1.067	415.29	0.0000	P	7.0
4	☐	50.000	52.273	15877.05	0.0008	P	19.6
5	☐	125.000	131.724	39882.33	0.0020	P	0.6
6	☐	250.000	256.920	78679.89	0.0038	P	1.2
7	☐	500.000	506.943	152368.33	0.0075	P	1.6
8	☐	1000.000	993.844	301089.78	0.0147	P	1.0
9	☐			247.23	0.0000	P	8.6

$$y = 1.4777\text{E-}005 * x + 4.3496\text{E-}006$$

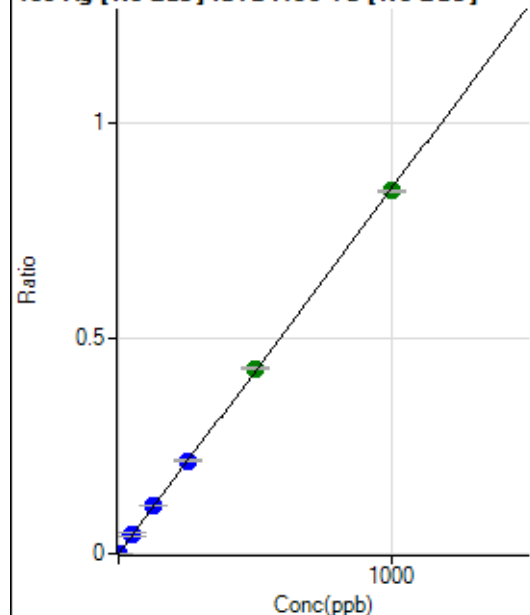
$$R = 0.9999$$

$$DL = 0.1018$$

$$BEC = 0.2943$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	30.55	0.0000	P	15.7
2	☐	0.100	0.095	1669.59	0.0001	P	2.7
3	☐	1.000	1.064	18654.43	0.0009	P	1.8
4	☐	50.000	54.039	937111.63	0.0458	P	19.0
5	☐	125.000	132.395	2294645.36	0.1122	P	1.2
6	☐	250.000	255.394	4482176.88	0.2165	P	0.9
7	☐	500.000	506.517	8729412.44	0.4294	A	0.8
8	☐	1000.000	994.266	17276714.10	0.8429	A	0.7
9	☐			5503.99	0.0003	P	8.5

$$y = 8.4781E-004 * x + 1.4721E-006$$

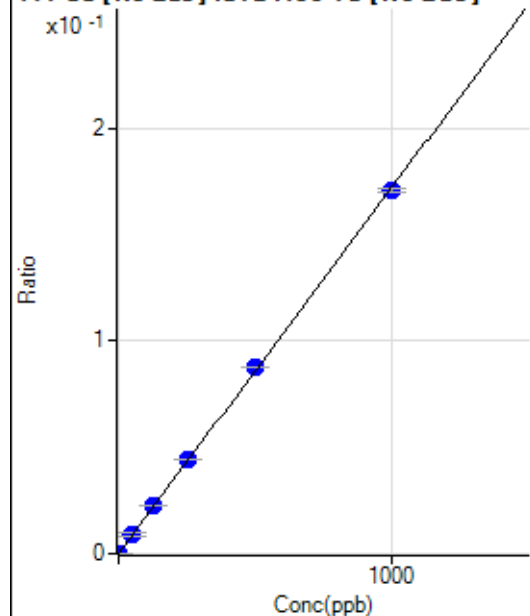
$$R = 0.9999$$

$$DL = 0.0008175$$

$$BEC = 0.001736$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	153.93	0.0000	P	11.5
2	☐	0.100	0.124	585.39	0.0000	P	4.3
3	☐	1.000	1.133	4178.63	0.0002	P	3.5
4	☐	50.000	53.706	189101.39	0.0092	P	19.2
5	☐	125.000	133.009	467996.52	0.0229	P	0.6
6	☐	250.000	257.519	917353.79	0.0443	P	0.3
7	☐	500.000	510.001	1783906.67	0.0878	P	0.6
8	☐	1000.000	991.933	3498074.96	0.1707	P	1.0
9	☐			1022.56	0.0001	P	5.8

$$y = 1.7206E-004 * x + 7.4161E-006$$

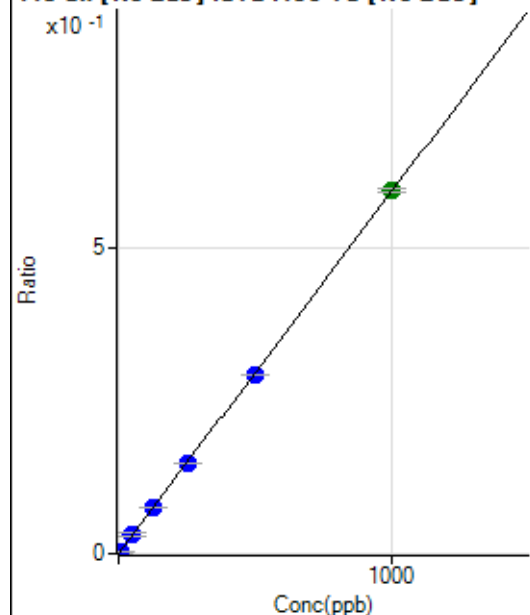
$$R = 0.9999$$

$$DL = 0.01486$$

$$BEC = 0.0431$$

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	1972.42	0.0001	P	5.7
2	☐	0.500	0.527	8285.98	0.0004	P	5.2
3	☐	5.000	5.296	66540.70	0.0032	P	1.0
4	☐	50.000	52.240	632370.64	0.0309	P	19.6
5	☐	125.000	128.492	1552907.77	0.0760	P	1.0
6	☐	250.000	250.673	3065799.01	0.1481	P	1.1
7	☐	500.000	493.752	5928166.37	0.2916	P	0.6
8	☐	1000.000	1002.406	12132438.12	0.5920	A	0.9
9	☐			10064.96	0.0005	P	2.0

$$y = 5.9044\text{E-}004 * x + 9.5035\text{E-}005$$

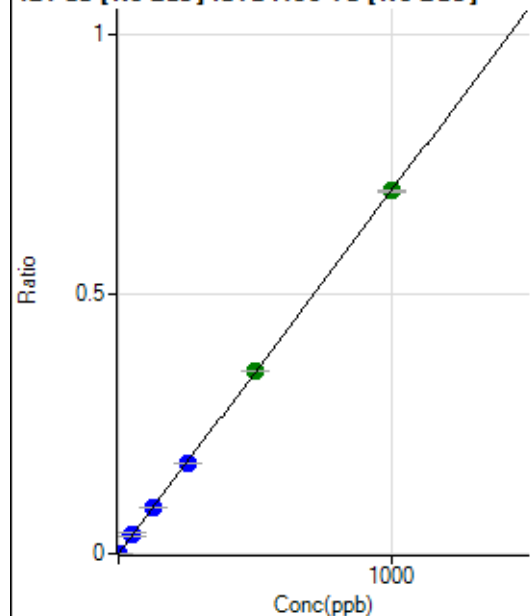
$$R = 1.0000$$

$$DL = 0.02752$$

$$BEC = 0.161$$

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	177.78	0.0000	P	7.3
2	☐	0.200	0.198	2989.29	0.0001	P	3.4
3	☐	2.000	2.077	30146.62	0.0015	P	1.5
4	☐	50.000	51.293	732423.69	0.0358	P	19.9
5	☐	125.000	126.992	1813983.92	0.0887	P	1.0
6	☐	250.000	247.944	3586118.13	0.1732	P	1.1
7	☐	500.000	501.878	7128097.64	0.3507	A	0.3
8	☐	1000.000	999.262	14309566.47	0.6982	A	0.7
9	☐			9550.71	0.0005	P	3.7

$$y = 6.9867\text{E-}004 * x + 8.5666\text{E-}006$$

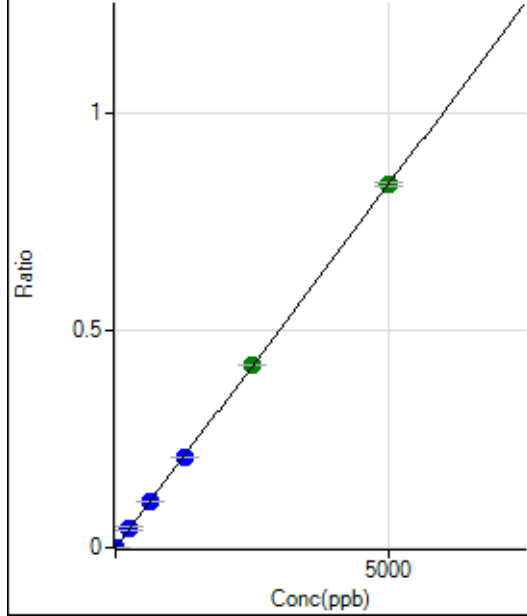
$$R = 1.0000$$

$$DL = 0.002684$$

$$BEC = 0.01226$$

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	61.11	0.0000	P	34.3
2	☐	1.000	1.062	3672.80	0.0002	P	2.1
3	☐	10.000	10.447	36052.89	0.0017	P	2.1
4	☐	250.000	256.651	876196.63	0.0428	P	18.6
5	☐	625.000	633.193	2159573.18	0.1056	P	1.4
6	☐	1250.000	1240.094	4282750.70	0.2069	P	1.0
7	☐	2500.000	2509.883	8512050.10	0.4187	A	0.3
8	☐	5000.000	4996.178	17084133.37	0.8335	A	1.0
9	☐			6899.13	0.0004	P	5.5

$$y = 1.6683\text{E-}004 * x + 2.9443\text{E-}006$$

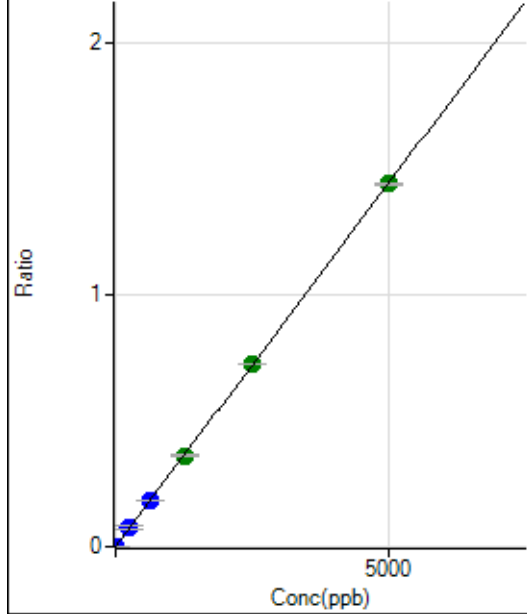
$$R = 1.0000$$

$$DL = 0.01817$$

$$BEC = 0.01765$$

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	91.67	0.0000	P	41.6
2	☐	1.000	1.006	6015.36	0.0003	P	1.7
3	☐	10.000	10.555	63048.71	0.0031	P	0.9
4	☐	250.000	258.085	1523997.06	0.0745	P	19.4
5	☐	625.000	639.282	3774663.58	0.1846	P	0.9
6	☐	1250.000	1254.721	7501700.69	0.3624	A	1.8
7	☐	2500.000	2507.465	14721981.06	0.7242	A	0.5
8	☐	5000.000	4992.897	29557990.59	1.4421	A	0.8
9	☐			12316.86	0.0007	P	0.6

$$y = 2.8882\text{E-}004 * x + 4.4153\text{E-}006$$

$$R = 1.0000$$

$$DL = 0.01908$$

$$BEC = 0.01529$$

Weight: <None>

Min Conc: 0

150 Nd [No Gas] No available calibration points

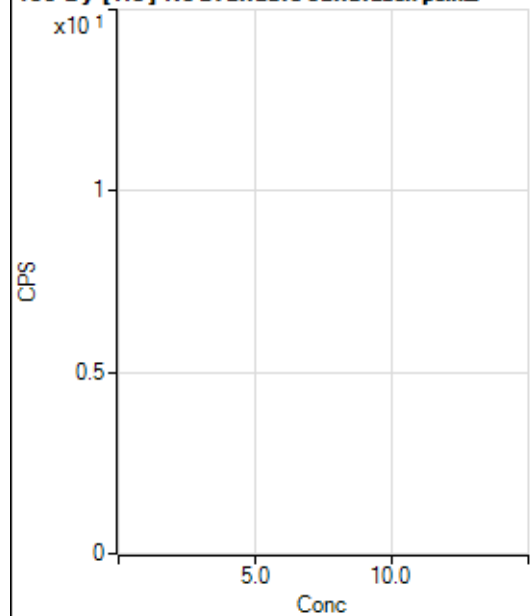
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			0.00		P	
2	☐			2.22		P	173.
3	☐			11.11		P	69.3
4	☐			68.89		P	20.1
5	☐			171.12		P	17.6
6	☐			348.90		P	25.4
7	☐			595.58		P	5.2
8	☐			1397.88		P	2.3
9	☐			93.34		P	7.1

150 Nd [He] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			0.00		P	
2	☐			1.11		P	173.
3	☐			3.33		P	100.
4	☐			11.11		P	62.5
5	☐			31.11		P	43.3
6	☐			50.00		P	23.1
7	☐			105.56		P	22.8
8	☐			178.89		P	14.0
9	☐			58.89		P	42.5

156 Dy [No Gas] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			5.55		P	86.6
2	☐			8.33		P	100.
3	☐			16.67		P	86.6
4	☐			72.22		P	29.0
5	☐			152.78		P	11.4
6	☐			330.57		P	25.3
7	☐			558.36		P	17.0
8	☐			1138.97		P	4.3
9	☐			4220.20		P	3.4

156 Dy [He] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			7.78		P	65.5
2	☐			11.11		P	96.4
3	☐			5.56		P	34.7
4	☐			53.33		P	22.5
5	☐			86.67		P	16.8
6	☐			198.89		P	10.6
7	☐			397.79		P	5.1
8	☐			696.69		P	7.5
9	☐			2947.02		P	2.1

160 Gd [No Gas] Noavailable calibration poin_

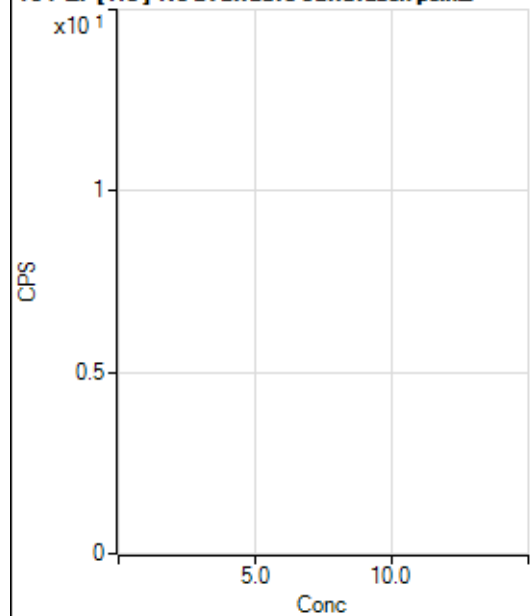
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			94.45		P	45.3
2	☐			91.67		P	9.1
3	☐			102.78		P	4.7
4	☐			163.89		P	17.9
5	☐			252.79		P	16.3
6	☐			338.90		P	3.8
7	☐			588.92		P	5.7
8	☐			1030.63		P	3.4
9	☐			4348.05		P	2.9

160 Gd [He] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			144.45		P	4.8
2	☐			108.89		P	21.7
3	☐			111.11		P	12.1
4	☐			178.89		P	22.4
5	☐			210.00		P	7.9
6	☐			312.23		P	7.7
7	☐			512.24		P	2.7
8	☐			860.04		P	9.3
9	☐			3476.03		P	2.8

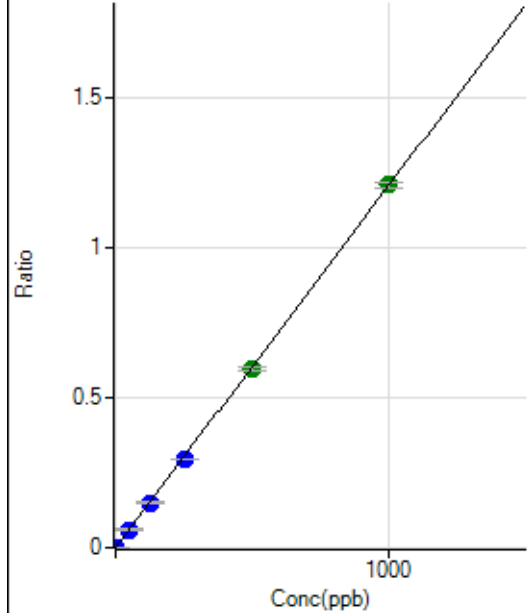
164 Er [No Gas] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			125.00		P	26.7
2	☐			119.45		P	40.9
3	☐			125.00		P	20.0
4	☐			122.23		P	10.4
5	☐			161.12		P	7.9
6	☐			183.34		P	20.8
7	☐			208.34		P	10.6
8	☐			269.45		P	24.0
9	☐			788.94		P	15.4

164 Er [He] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			77.78		P	22.0
2	☐			83.33		P	6.9
3	☐			100.00		P	23.3
4	☐			92.22		P	32.4
5	☐			100.00		P	11.6
6	☐			92.22		P	9.1
7	☐			118.89		P	36.5
8	☐			205.56		P	8.3
9	☐			501.13		P	5.0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	2100.22	0.0001	P	6.9
2	☐	0.100	0.097	3692.28	0.0003	P	3.4
3	☐	1.000	0.984	18983.36	0.0013	P	1.4
4	☐	50.000	49.738	840137.10	0.0600	P	17.2
5	☐	125.000	124.693	2080003.82	0.1503	P	0.6
6	☐	250.000	245.160	4104230.52	0.2953	P	1.0
7	☐	500.000	496.441	8077049.92	0.5979	A	2.1
8	☐	1000.000	1003.041	16063258.52	1.2078	A	1.6
9	☐			5704.13	0.0005	P	8.0

$$y = 0.0012 * x + 1.4745E-004$$

$$R = 1.0000$$

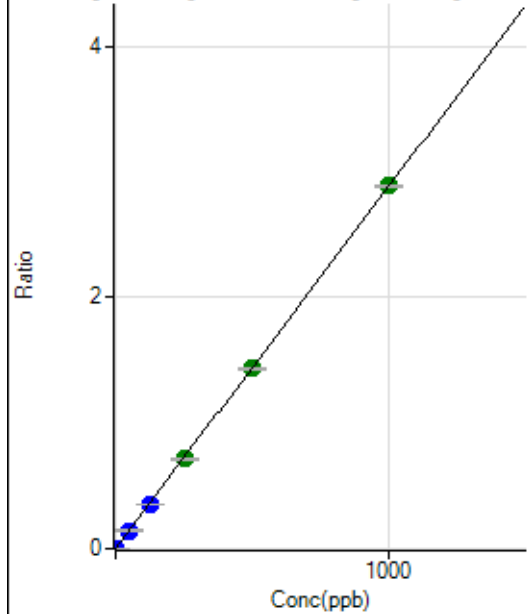
$$DL = 0.02521$$

$$BEC = 0.1225$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	5070.54	0.0004	P	5.0
2	☐	0.100	0.090	8603.04	0.0006	P	1.5
3	☐	1.000	0.997	46029.81	0.0032	P	1.3
4	☐	50.000	49.550	2004453.23	0.1431	P	16.6
5	☐	125.000	123.728	4939624.11	0.3569	P	1.1
6	☐	250.000	247.206	9904781.12	0.7127	A	1.7
7	☐	500.000	497.643	19378502.86	1.4344	A	1.6
8	☐	1000.000	1002.058	38408527.94	2.8879	A	0.6
9	☐			13251.42	0.0012	P	7.9

$$y = 0.0029 * x + 3.5599E-004$$

$$R = 1.0000$$

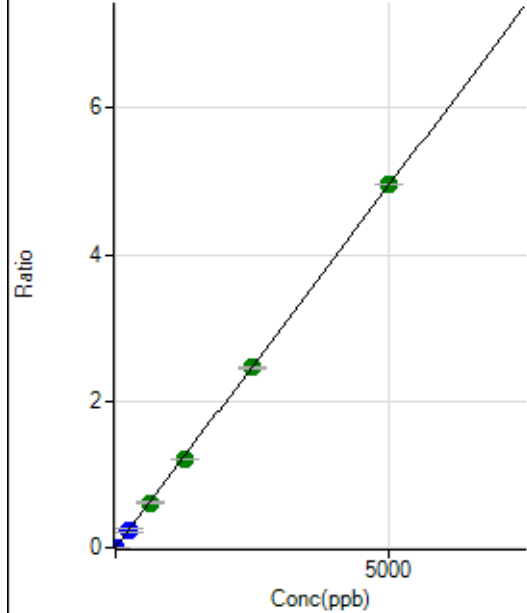
$$DL = 0.01847$$

$$BEC = 0.1235$$

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	974.13	0.0001	P	2.0
2	☐	0.100	0.109	2453.97	0.0002	P	1.7
3	☐	1.000	1.015	15249.71	0.0011	P	2.8
4	☐	250.000	241.436	3337459.54	0.2385	P	17.1
5	☐	625.000	623.898	8527277.85	0.6161	A	0.7
6	☐	1250.000	1224.962	16810110.10	1.2096	A	0.4
7	☐	2500.000	2485.235	33152876.43	2.4540	A	1.7
8	☐	5000.000	5014.208	65849466.29	4.9511	A	0.1
9	☐			120940.67	0.0109	P	2.6

$$y = 9.8739\text{E-}004 * x + 6.8380\text{E-}005$$

$$R = 1.0000$$

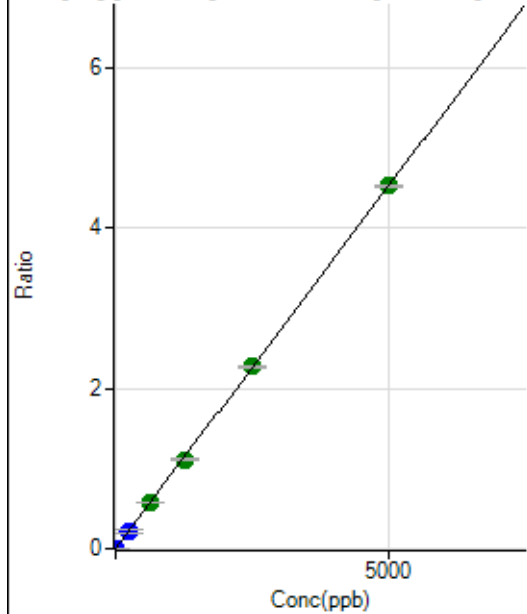
$$DL = 0.004072$$

$$BEC = 0.06925$$

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	909.31	0.0001	P	9.7
2	☐	0.100	0.096	2103.90	0.0002	P	7.6
3	☐	1.000	0.955	13208.56	0.0009	P	1.5
4	☐	250.000	240.100	3036241.68	0.2171	P	17.7
5	☐	625.000	628.057	7856997.80	0.5677	A	1.0
6	☐	1250.000	1230.739	15458693.98	1.1124	A	1.5
7	☐	2500.000	2506.028	30599748.60	2.2649	A	1.2
8	☐	5000.000	5001.914	60123674.96	4.5206	A	0.3
9	☐			108781.94	0.0098	P	2.8

$$y = 9.0376\text{E-}004 * x + 6.3792\text{E-}005$$

$$R = 1.0000$$

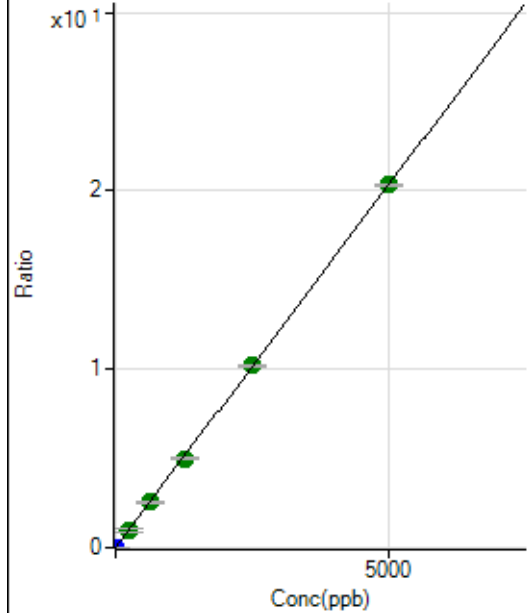
$$DL = 0.02053$$

$$BEC = 0.07059$$

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	4052.17	0.0003	P	2.9
2	☐	0.100	0.103	9790.47	0.0007	P	2.3
3	☐	1.000	0.984	61044.58	0.0043	P	1.0
4	☐	250.000	244.303	13887572.11	0.9933	A	18.2
5	☐	625.000	624.747	35150370.06	2.5396	A	0.6
6	☐	1250.000	1231.960	69593094.73	5.0077	A	1.3
7	☐	2500.000	2505.950	137617501.68	10.1859	A	1.0
8	☐	5000.000	5001.852	270397700.03	20.3307	A	0.3
9	☐			491598.58	0.0442	P	2.4

$$y = 0.0041 * x + 2.8438E-004$$

$$R = 1.0000$$

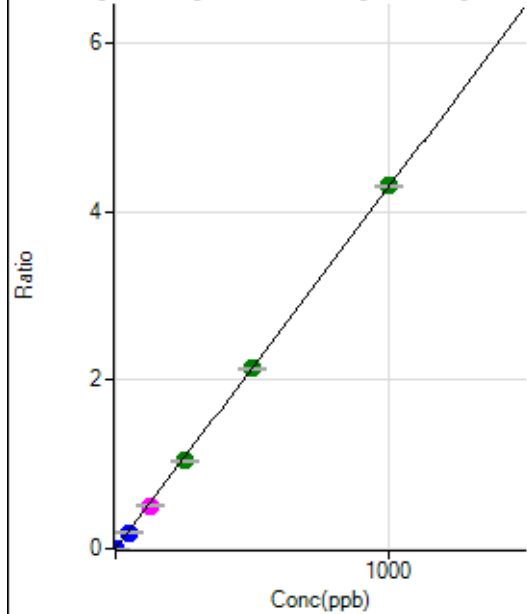
$$DL = 0.006148$$

$$BEC = 0.06996$$

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	713.00	0.0001	P	20.9
2	☐	0.100	-0.003	540.76	0.0000	P	18.8
3	☐	1.000	-0.003	512.98	0.0000	P	7.9
4	☐	50.000	44.921	2697580.33	0.1928	P	17.2
5	☐	125.000	118.623	7043269.95	0.5089	M	3.9
6	☐	250.000	242.291	14445208.19	1.0394	A	1.4
7	☐	500.000	498.422	28888926.57	2.1382	A	0.4
8	☐	1000.000	1003.768	57270008.69	4.3060	A	0.7
9	☐			12506.15	0.0011	P	2.6

$$y = 0.0043 * x + 5.0090E-005$$

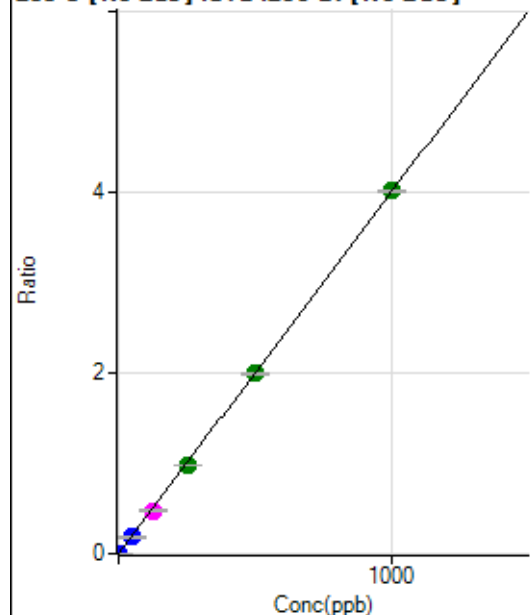
$$R = 1.0000$$

$$DL = 0.007311$$

$$BEC = 0.01168$$

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	80.56	0.0000	P	20.8
2	☐	0.100	0.087	4945.55	0.0004	P	4.4
3	☐	1.000	0.915	52249.55	0.0037	P	1.0
4	☐	50.000	45.341	2540245.67	0.1815	P	17.0
5	☐	125.000	117.619	6515655.48	0.4708	M	3.6
6	☐	250.000	244.927	13624327.13	0.9804	A	1.2
7	☐	500.000	498.451	26955146.78	1.9951	A	1.0
8	☐	1000.000	1003.198	53406130.36	4.0154	A	0.4
9	☐			8658.71	0.0008	P	4.9

$$y = 0.0040 * x + 5.6491E-006$$

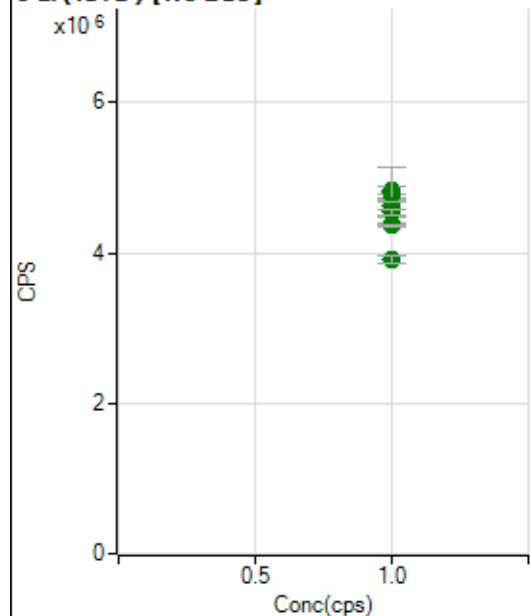
$$R = 1.0000$$

$$DL = 0.0008808$$

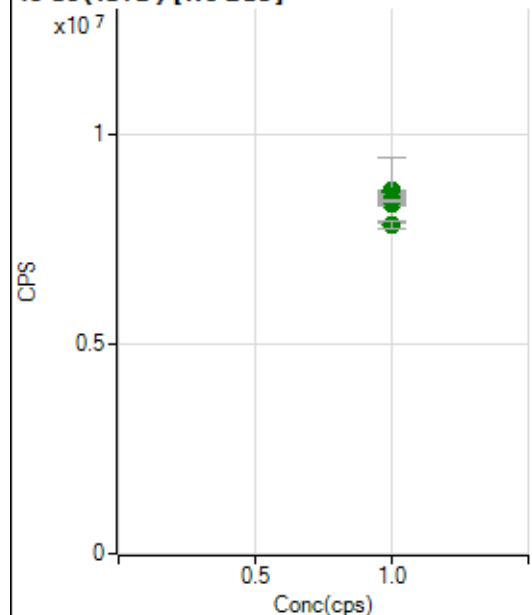
$$BEC = 0.001411$$

Weight: <None>

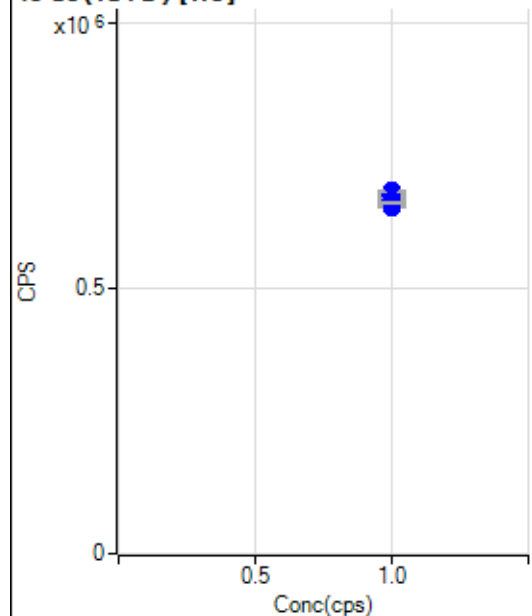
Min Conc: 0

6 Li (ISTD) [No Gas]

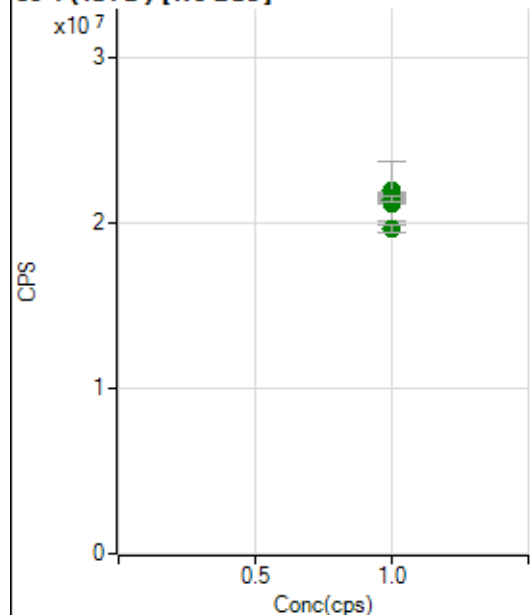
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	1.000		4710041.39		A	0.5
2	☐	1.000		4693892.05		A	0.3
3	☐	1.000		4822487.64		A	2.1
4	☐	1.000		4808217.01		A	13.5
5	☐	1.000		4621085.70		A	2.0
6	☐	1.000		4539165.45		A	1.9
7	☐	1.000		4378031.91		A	0.4
8	☐	1.000		4361293.51		A	0.2
9	☐	1.000		3910346.33		A	2.2

45 Sc (ISTD) [No Gas]

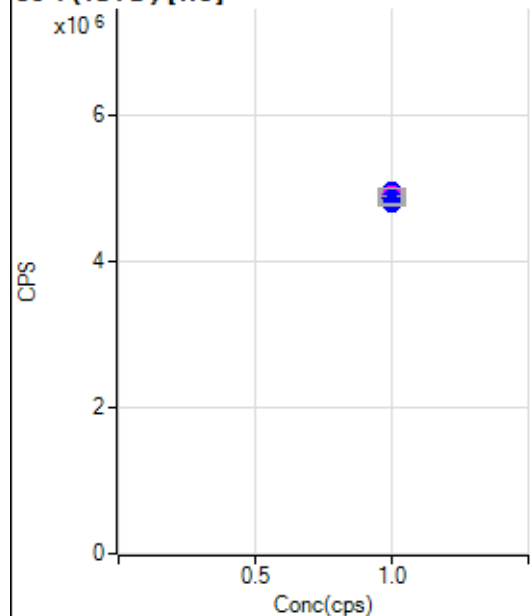
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		8594655.22		A	0.6
2	☐	1.000		8480866.26		A	1.5
3	☐	1.000		8623991.33		A	1.2
4	☐	1.000		8648665.64		A	17.9
5	☐	1.000		8501653.62		A	0.5
6	☐	1.000		8540902.37		A	0.7
7	☐	1.000		8320564.88		A	0.6
8	☐	1.000		8418092.86		A	0.3
9	☐	1.000		7839211.76		A	2.8

45 Sc (ISTD) [He]

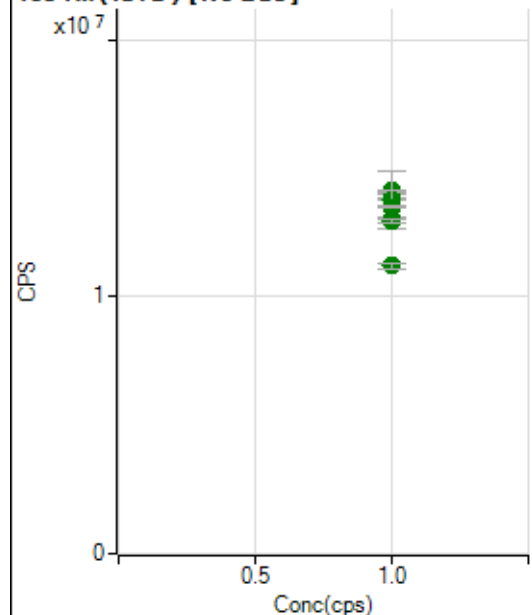
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		679520.96		P	0.5
2	☐	1.000		678004.80		P	0.9
3	☐	1.000		682828.89		P	0.9
4	☐	1.000		673716.23		P	2.2
5	☐	1.000		657999.65		P	0.5
6	☐	1.000		652531.13		P	0.5
7	☐	1.000		657564.40		P	0.4
8	☐	1.000		664880.17		P	1.0
9	☐	1.000		660604.08		P	0.6

89 Y (ISTD) [No Gas]

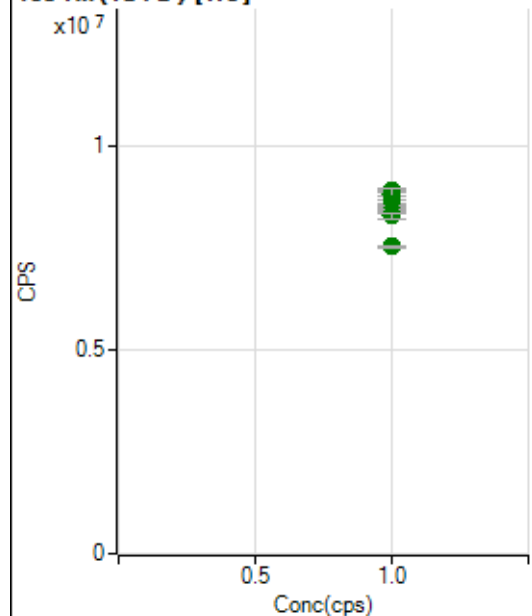
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		21674866.90		A	0.3
2	☐	1.000		21175330.10		A	0.8
3	☐	1.000		21758240.79		A	0.6
4	☐	1.000		21900671.48		A	16.5
5	☐	1.000		21158528.44		A	0.3
6	☐	1.000		21423305.93		A	1.0
7	☐	1.000		21309805.79		A	1.1
8	☐	1.000		21416154.54		A	1.1
9	☐	1.000		19610832.76		A	1.9

89 Y (ISTD) [He]

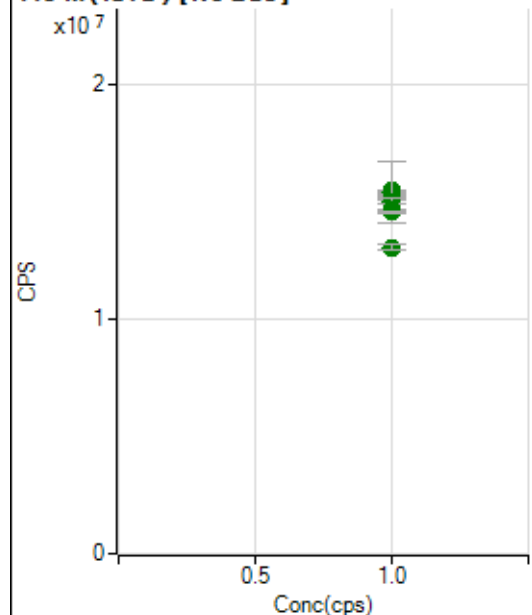
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		4963131.32		P	0.5
2	☐	1.000		4935879.33		P	0.8
3	☐	1.000		4965206.70		P	0.8
4	☐	1.000		4930589.20		M	2.7
5	☐	1.000		4830386.87		P	0.1
6	☐	1.000		4800800.69		P	0.4
7	☐	1.000		4849618.99		P	0.4
8	☐	1.000		4860422.36		P	0.9
9	☐	1.000		4778064.38		P	0.4

103 Rh (ISTD) [No Gas]

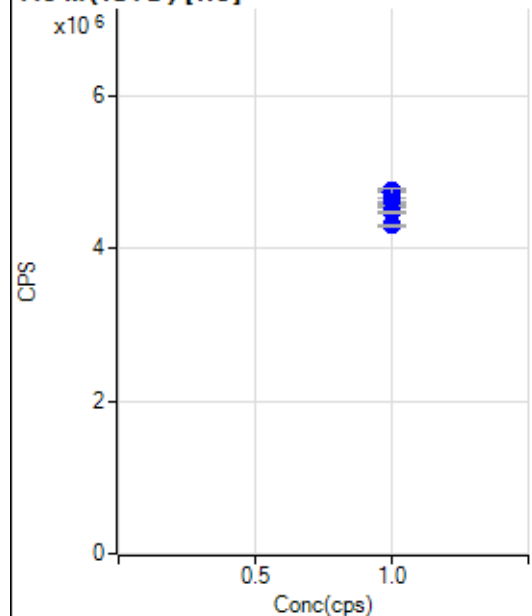
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		13997769.24		A	0.5
2	☐	1.000		13795849.66		A	0.3
3	☐	1.000		14124853.68		A	0.3
4	☐	1.000		13800378.68		A	16.3
5	☐	1.000		13504439.10		A	0.0
6	☐	1.000		13491420.77		A	0.4
7	☐	1.000		13051929.80		A	0.2
8	☐	1.000		12936168.00		A	0.9
9	☐	1.000		11202739.69		A	2.1

103 Rh (ISTD) [He]

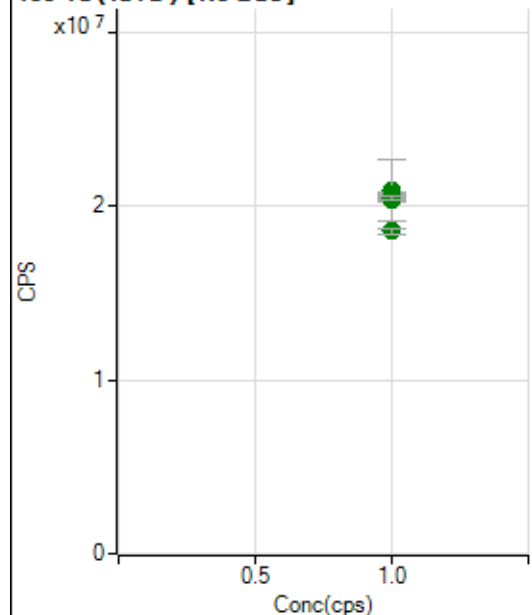
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		8863675.77		A	0.3
2	☐	1.000		8821900.07		A	1.5
3	☐	1.000		8888668.13		A	0.3
4	☐	1.000		8816552.64		A	2.9
5	☐	1.000		8562244.04		A	0.7
6	☐	1.000		8504259.74		A	0.6
7	☐	1.000		8409366.96		A	0.6
8	☐	1.000		8268884.74		A	1.3
9	☐	1.000		7521185.93		A	0.8

115 In (ISTD) [No Gas]

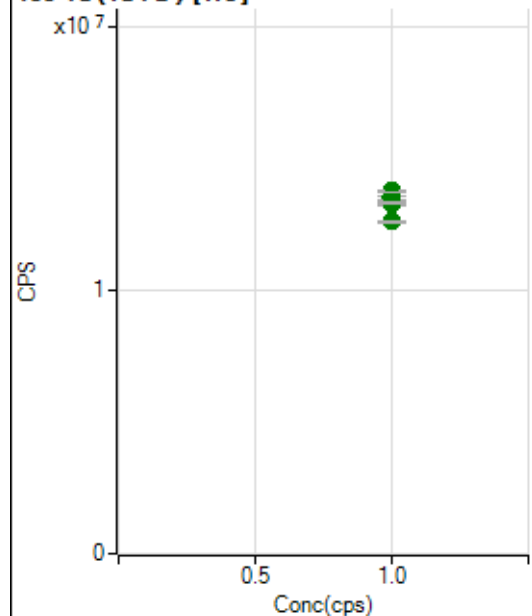
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		15360027.33		A	0.6
2	☐	1.000		15242273.30		A	0.4
3	☐	1.000		15457002.52		A	0.6
4	☐	1.000		15429201.11		A	17.1
5	☐	1.000		15020359.72		A	1.3
6	☐	1.000		15010402.28		A	1.4
7	☐	1.000		14639995.20		A	0.6
8	☐	1.000		14554940.16		A	0.7
9	☐	1.000		13035351.06		A	2.0

115 In (ISTD) [He]

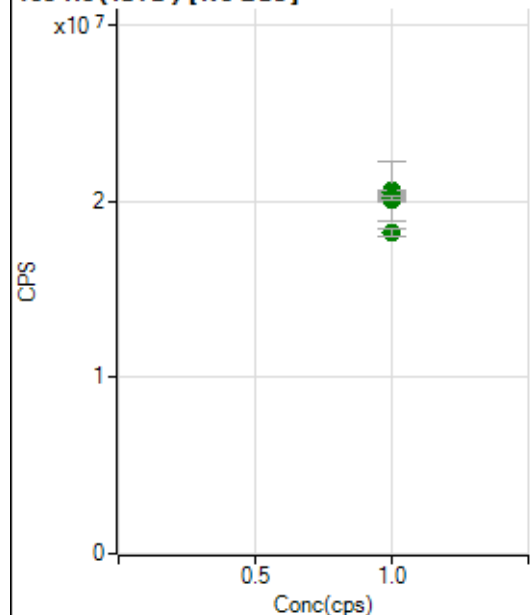
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		4750798.33		P	0.9
2	☐	1.000		4750810.49		P	0.8
3	☐	1.000		4753978.56		P	0.9
4	☐	1.000		4725475.27		P	2.2
5	☐	1.000		4606425.47		P	0.3
6	☐	1.000		4562987.76		P	0.5
7	☐	1.000		4540894.81		P	0.7
8	☐	1.000		4477175.68		P	0.6
9	☐	1.000		4302775.53		P	0.4

159 Tb (ISTD) [No Gas]

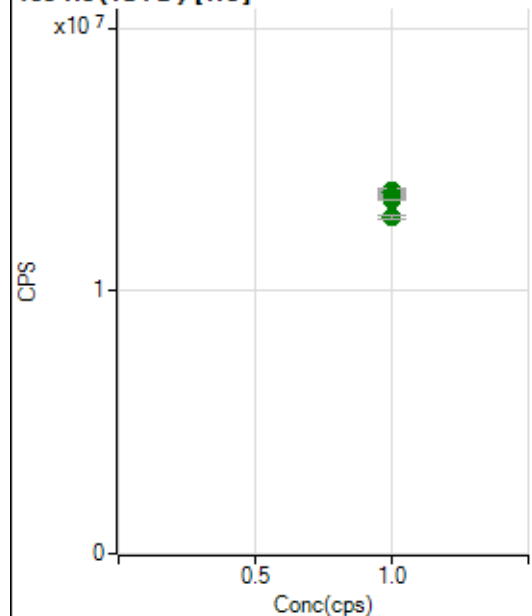
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		20754336.77		A	0.3
2	☐	1.000		20390713.86		A	0.6
3	☐	1.000		20651219.83		A	0.0
4	☐	1.000		20899138.58		A	16.9
5	☐	1.000		20443583.72		A	0.7
6	☐	1.000		20700678.72		A	0.3
7	☐	1.000		20327948.72		A	0.1
8	☐	1.000		20496178.03		A	0.6
9	☐	1.000		18566184.17		A	1.6

159 Tb (ISTD) [He]

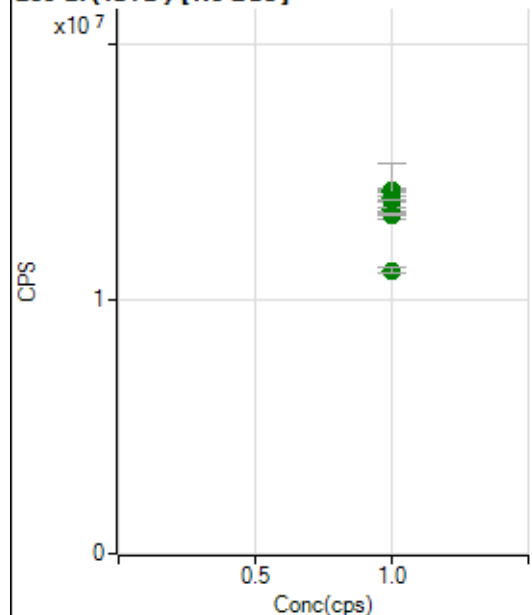
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		13516666.88		A	0.8
2	☐	1.000		13463033.69		A	1.4
3	☐	1.000		13781767.29		A	0.2
4	☐	1.000		13577992.71		A	2.1
5	☐	1.000		13315039.52		A	1.4
6	☐	1.000		13365324.52		A	0.6
7	☐	1.000		13337359.11		A	0.4
8	☐	1.000		13343718.27		A	0.9
9	☐	1.000		12610388.98		A	0.4

165 Ho (ISTD) [No Gas]

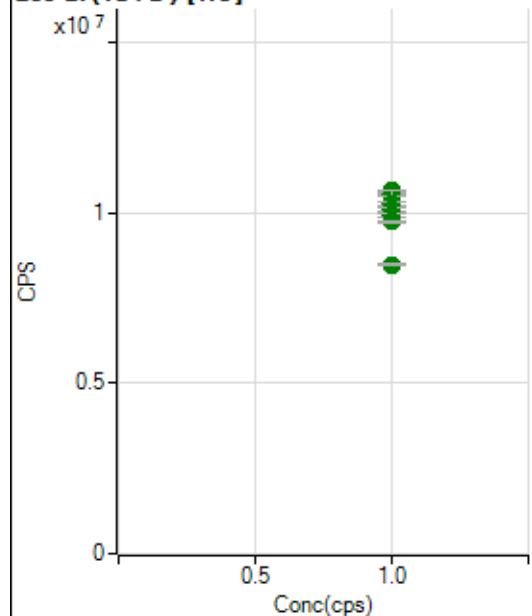
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		20499206.22		A	0.6
2	☐	1.000		20171799.14		A	1.6
3	☐	1.000		20490265.67		A	0.4
4	☐	1.000		20606626.36		A	16.4
5	☐	1.000		20366165.53		A	0.7
6	☐	1.000		20533862.89		A	0.6
7	☐	1.000		20140319.84		A	0.3
8	☐	1.000		20205057.89		A	0.7
9	☐	1.000		18229730.70		A	2.8

165 Ho (ISTD) [He]

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		13711157.71		A	0.2
2	☐	1.000		13647951.19		A	1.3
3	☐	1.000		13806968.55		A	0.5
4	☐	1.000		13745579.38		A	2.0
5	☐	1.000		13540512.16		A	0.7
6	☐	1.000		13602276.46		A	0.3
7	☐	1.000		13558653.83		A	0.8
8	☐	1.000		13469064.11		A	0.3
9	☐	1.000		12798459.81		A	1.0

209 Bi (ISTD) [No Gas]

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		14247159.65		A	0.8
2	☐	1.000		13956901.60		A	1.2
3	☐	1.000		14252383.40		A	0.9
4	☐	1.000		14237895.35		A	14.9
5	☐	1.000		13840874.65		A	0.3
6	☐	1.000		13897351.46		A	0.1
7	☐	1.000		13511358.27		A	1.0
8	☐	1.000		13300039.94		A	0.6
9	☐	1.000		11137603.58		A	2.1

209 Bi (ISTD) [He]

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		10590063.31		A	0.5
2	☐	1.000		10589317.27		A	1.4
3	☐	1.000		10630272.20		A	0.4
4	☐	1.000		10544067.97		A	1.6
5	☐	1.000		10245821.79		A	0.7
6	☐	1.000		10095509.71		A	1.0
7	☐	1.000		9924318.95		A	1.2
8	☐	1.000		9732117.15		A	0.5
9	☐	1.000		8466220.99		A	0.7

US EPA Tune Check Sample Report

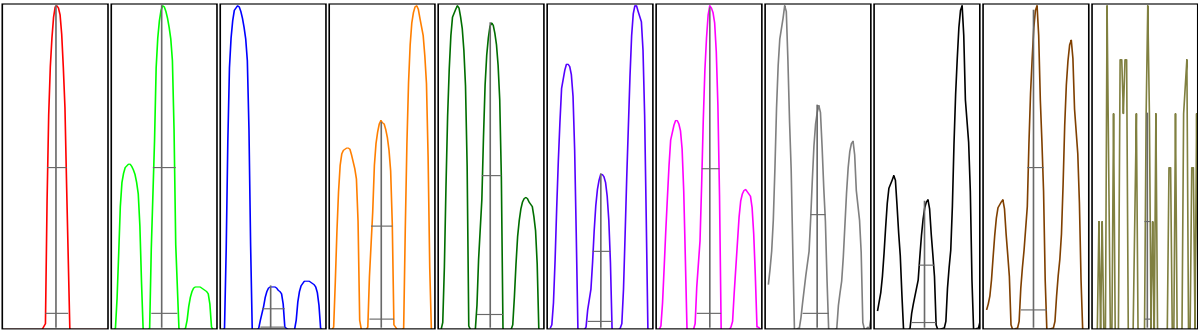
Batch Folder C:\Agilent\ICPMH\1\DATA\P7051921MS.b
Report Comment
Instrument Name G8403A JP14410463

[No Gas]

Mass	Count (Mean)	RSD% (Actual)	RSD% (Required)	RSD% (Flag)
9	11873	0.78	5.00	
24	100353	0.75	5.00	
25	12990	0.65	5.00	
26	14597	0.88	5.00	
59	31414	0.65	5.00	
113	18791	0.48	5.00	
115	60795	1.33	5.00	
206	25903	0.45	5.00	
207	21871	0.76	5.00	
208	54077	0.78	5.00	
220	0	106.86		

Mass	Replicate 1 Count	Replicate 2 Count	Replicate 3 Count	Replicate 4 Count	Replicate 5 Count
9	11850	11754	11872	12012	11876
24	99694	99685	100170	101445	100772
25	12916	12884	13033	13074	13043
26	14424	14510	14629	14737	14685
59	31222	31289	31331	31731	31497
113	18675	18774	18855	18905	18744
115	61869	61169	60809	60432	59697
206	25802	25857	25803	26007	26047
207	21698	21690	21939	21998	22032
208	53709	53652	54029	54626	54367
220	0	0	0	0	0

Integration Time [sec] = 0.1



Mass	Peak Height	Axis (Actual)	Axis (Required)	Axis (Flag)	Width-X% (Actual)	Width-X% (Required)	Width- X% (Flag)
9	21959	9.05	8.9 - 9.1		0.690	0.900	
24	166649	23.95	23.9 - 24.1		0.781	0.900	
25	21807	24.95	24.9 - 25.1		0.742	0.900	
26	24941	26.00	25.9 - 26.1		0.739	0.900	
59	56421	59.00	58.9 - 59.1		0.763	0.900	
113	36852	113.05	112.9 - 113.1		0.727	0.900	
115	118199	115.05	114.9 - 115.1		0.730	0.900	
206	57868	206.00	205.9 - 206.1		0.770	0.900	
207	48135	206.95	206.9 - 207.1		0.729	0.900	
208	120564	207.95	207.9 - 208.1		0.763	0.900	
220	0	220.10	-		0.195		

X% = 5 Integration Time [sec] = 0.1 Acquisition Time [sec] = 256.8 Y Axis = Linear

Tune Parameters

Plasma Paramters

ParameterName	Value	Unit	ParameterName	Value	Unit	ParameterName	Value	Unit
RF Power	1600	W	Carrier Gas	0.75	L/min	S/C Temp		2 °C
RF Matching	1.80	V	Option Gas	0.0	%	Gas Switch		Dilution Gas
Smpl Depth	9.0	mm	Nebulizer Pump	0.10	rpm	Makeup/Dilution Gas		0.40 L/min

Lenses Parameters

ParameterName	Value	Unit	ParameterName	Value	Unit	ParameterName	Value	Unit
Extract 1	0.0	V	Omega Lens	9.7	V	Deflect	13.2	V
Extract 2	-140.0	V	Cell Entrance	-30	V	Plate Bias	-35	V
Omega Bias	-80	V	Cell Exit	-50	V			

Cell Parameters

ParameterName	Value	Unit	ParameterName	Value	Unit	ParameterName	Value	Unit
Use Gas	No		OctP Bias	-8.0	V	Energy Discrimination		5.0 V
He Flow	0.0	mL/min	OctP RF	170	V			

[He]

Mass	Count (Mean)	RSD% (Actual)	RSD% (Required)
59	11434	2.66	
89	45485	2.20	
205	28026	2.36	

Mass	Replicate 1 Count	Replicate 2 Count	Replicate 3 Count	Replicate 4 Count	Replicate 5 Count
59	11242	11345	11332	11972	11279
89	44717	45272	45457	47183	44799
205	27287	27659	27896	29019	28271

Integration Time [sec] = 0.1

Tune Parameters

Plasma Paramters

ParameterName	Value	Unit	ParameterName	Value	Unit	ParameterName	Value	Unit
RF Power	1600	W	Carrier Gas	0.75	L/min	S/C Temp		2 °C
RF Matching	1.80	V	Option Gas	0.0	%	Gas Switch		Dilution Gas
Smpl Depth	9.0	mm	Nebulizer Pump	0.10	rpm	Makeup/Dilution Gas		0.40 L/min

Lenses Parameters

ParameterName	Value	Unit	ParameterName	Value	Unit	ParameterName	Value	Unit
Extract 1	0.0	V	Omega Lens	9.9	V	Deflect	2.0	V
Extract 2	-150.0	V	Cell Entrance	-40	V	Plate Bias	-60	V
Omega Bias	-90	V	Cell Exit	-60	V			

Cell Parameters

ParameterName	Value	Unit	ParameterName	Value	Unit	ParameterName	Value	Unit
Use Gas	Yes		OctP Bias	-18.0	V	Energy Discrimination		5.0 V
He Flow	3.9	mL/min	OctP RF	190	V			