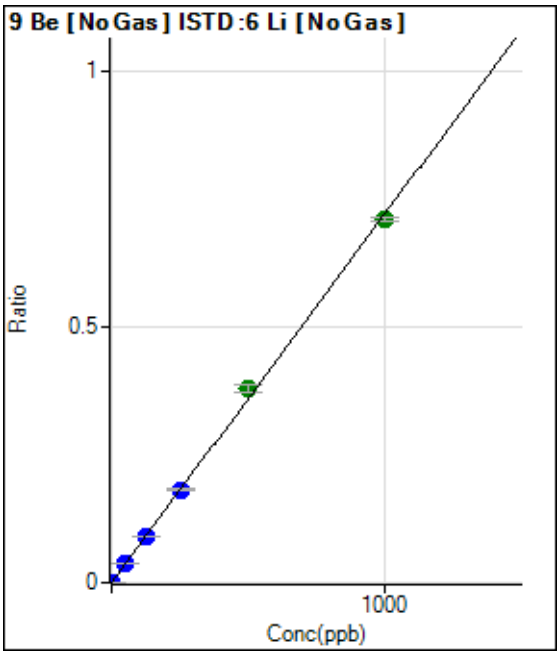
Batch Folder: C:\Agilent\ICPMH\1\DATA\P7122821 MS1.b\
Analysis File: P7122821 MS1.batch.bin
DA Date-Time: 12/28/2021 5:09:55 PM
Calibration Title:
Calibration Method: External Calibration
VIS Interpolation Fit:

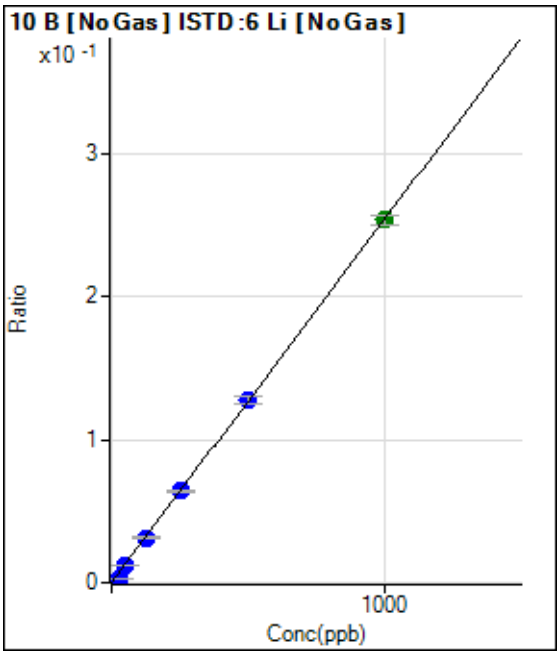
Level	Standard Data File	Sample Name	Acq. Date-Time
1	003CALB.d	S00	12/28/2021 2:55:55 PM
2	005CALS.d	S02	12/28/2021 3:03:00 PM
3	006CALS.d	S03	12/28/2021 3:06:33 PM
4	007CALS.d	S04	12/28/2021 3:09:54 PM
5	008CALS.d	S05	12/28/2021 3:12:50 PM
6	009CALS.d	S06	12/28/2021 3:16:02 PM
7	010CALS.d	S07	12/28/2021 3:18:58 PM
8	011CALS.d	S08	12/28/2021 3:22:10 PM



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	80.00	0.0000	P	29.7
2	☐	1.000	1.010	3959.43	0.0007	P	3.8
3	☐	50.000	49.991	193914.61	0.0360	P	1.0
4	☐	125.000	127.135	447229.88	0.0916	P	0.7
5	☐	250.000	253.017	893344.07	0.1822	P	1.1
6	☐	500.000	527.503	1732280.50	0.3798	A	3.3
7	☐	1000.000	985.228	3179819.78	0.7094	A	1.1
8	☐			387.79	0.0001	P	4.9

y = 7.1999E-004 * x + 1.4877E-005
R = 0.9994
DL = 0.01843

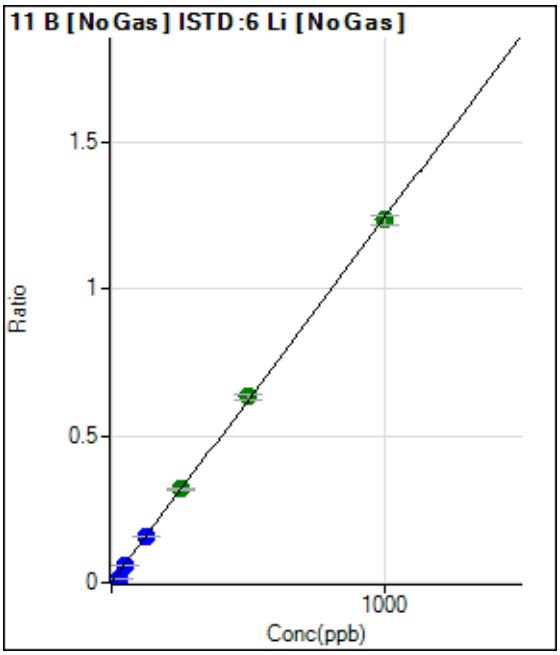
Weight: <None>
Min Conc: 0



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	797.26	0.0001	P	11.1
2	☐	25.000	11.042	15772.19	0.0030	P	5.9
3	☐	50.000	47.830	66289.33	0.0123	P	1.3
4	☐	125.000	123.616	154244.47	0.0316	P	0.9
5	☐	250.000	251.692	314555.19	0.0641	P	3.2
6	☐	500.000	503.245	583885.21	0.1281	P	4.8
7	☐	1000.000	998.585	1138733.63	0.2540	A	2.8
8	☐			22060.61	0.0052	P	9.6

y = 2.5423E-004 * x + 1.4875E-004
R = 0.9999
DL = 0.1957

Weight: <None>
Min Conc: 0



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	3672.74	0.0007	P	2.8
2	☐	25.000	11.017	76651.03	0.0144	P	3.4
3	☐	50.000	46.810	316654.88	0.0588	P	1.3
4	☐	125.000	124.764	759961.95	0.1556	P	1.6
5	☐	250.000	255.418	1558517.22	0.3178	A	2.8
6	☐	500.000	509.494	2887844.75	0.6332	A	3.0
7	☐	1000.000	994.437	5537480.03	1.2352	A	2.9
8	☐			106802.22	0.0252	P	7.5

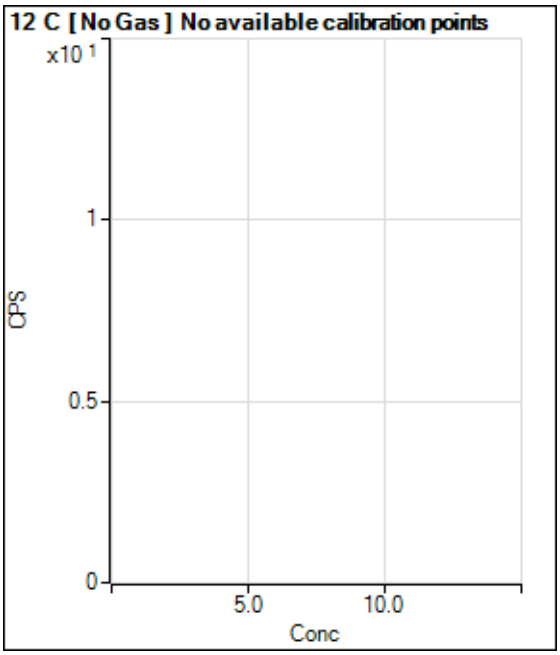
y = 0.0012 * x + 6.8517E-004

R = 0.9998

DL = 0.0469

Weight: <None>

Min Conc: 0



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
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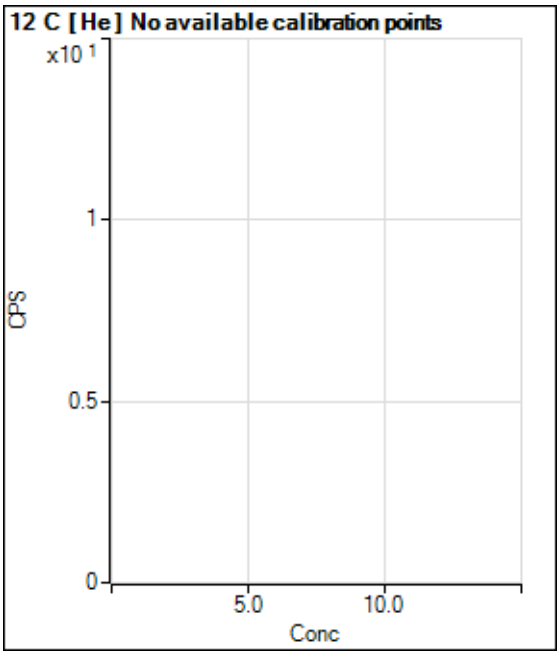
2	☐						
3	☐						
4	☐						
5	☐						
6	☐						
7	☐						
8	☐						



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
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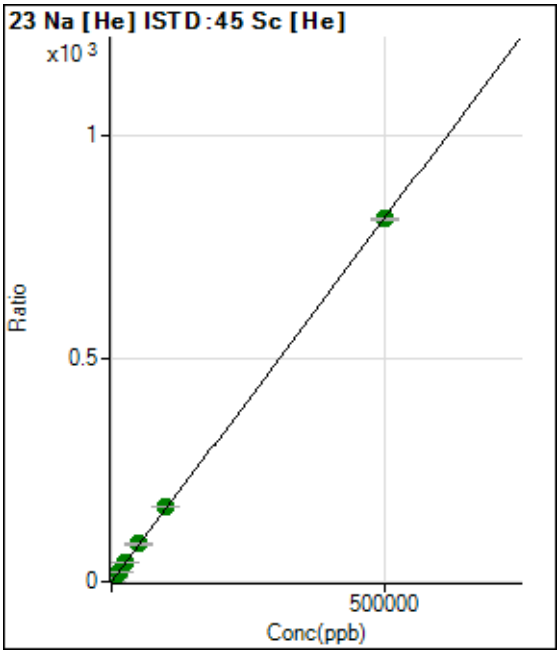
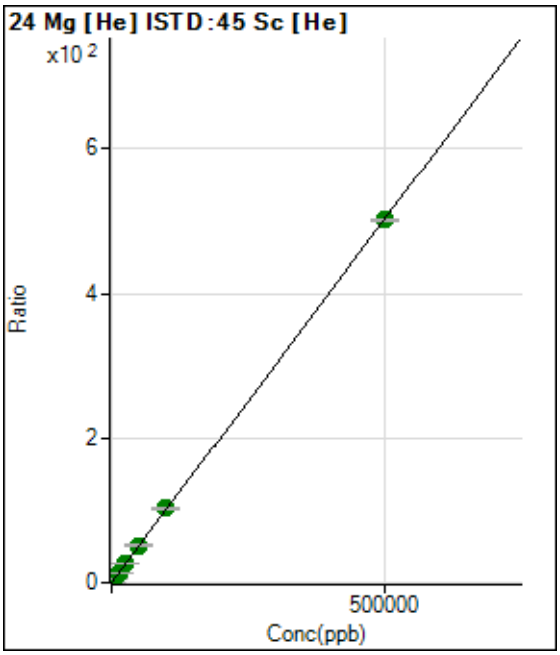
2	☐						
3	☐						
4	☐						
5	☐						
6	☐						
7	☐						
8	☐						



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	21439.27	0.0266	P	3.2
2	☐	500.000	453.646	608534.15	0.7664	P	0.8
3	☐	5000.000	5136.659	6699121.50	8.4031	A	5.4
4	☐	12500.000	12905.427	15390902.77	21.0718	A	1.4
5	☐	25000.000	25858.567	31098960.88	42.1948	A	0.3
6	☐	50000.000	52329.889	58208619.36	85.3623	A	4.5
7	☐	100000.00	102905.41	114375030.33	167.8371	A	0.6
8	☐	500000.00	499131.54	583223716.74	813.9733	A	0.4

y = 0.0016 * x + 0.0266
R = 1.0000
DL = 1.586

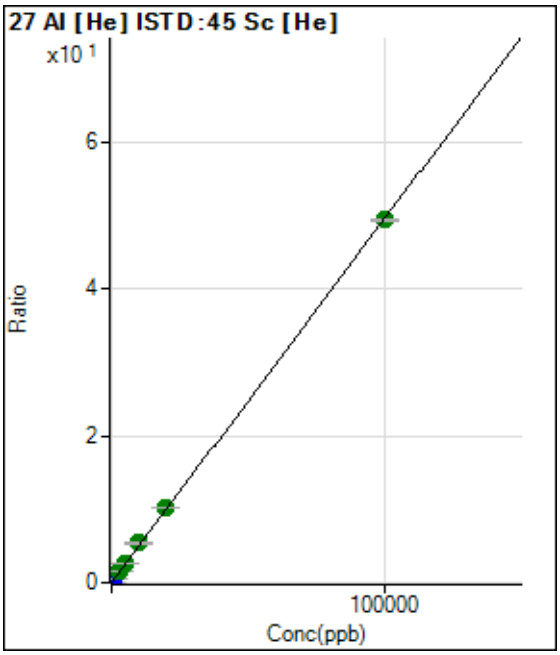
Weight: <None>
Min Conc: 0



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	248.16	0.0003	P	13.3
2	☐	500.000	455.209	363414.70	0.4577	P	0.6
3	☐	5000.000	5085.928	4073047.17	5.1104	A	6.3
4	☐	12500.000	12717.986	9333716.87	12.7788	A	0.6
5	☐	25000.000	25390.430	18802374.49	25.5115	A	0.6
6	☐	50000.000	51539.836	35314282.27	51.7852	A	4.3
7	☐	100000.00	102219.06	70023524.71	102.7054	A	2.6
8	☐	500000.00	499376.41	359519245.07	501.7513	A	0.3

y = 0.0010 * x + 3.0850E-004
R = 1.0000
DL = 0.1225

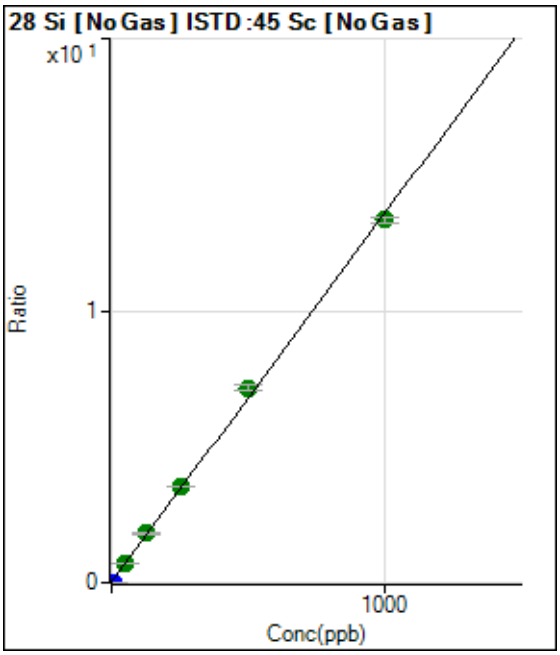
Weight: <None>
Min Conc: 0



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	233.34	0.0003	P	9.3
2	☐	20.000	17.690	7199.94	0.0091	P	1.6
3	☐	1000.000	1019.766	403461.91	0.5063	P	6.7
4	☐	2500.000	3378.305	1224557.19	1.6766	A	0.5
5	☐	5000.000	5204.075	1903480.06	2.5826	A	0.4
6	☐	10000.000	11042.492	3737210.30	5.4797	A	4.0
7	☐	20000.000	20713.694	7006277.65	10.2786	A	1.1
8	☐	100000.00	99720.653	35454692.69	49.4826	A	0.3

y = 4.9621E-004 * x + 2.8866E-004
R = 0.9999
DL = 0.1618

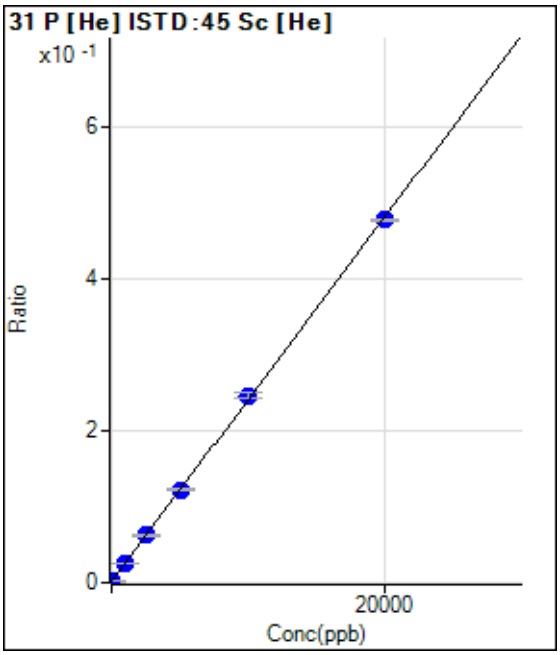
Weight: <None>
Min Conc: 0



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	238751.64	0.0242	P	1.9
2	☐	10.000	0.714	327031.69	0.0339	P	0.8
3	☐	50.000	52.519	7089959.53	0.7354	A	0.5
4	☐	125.000	131.419	16191601.40	1.8039	A	1.3
5	☐	250.000	259.674	32207742.04	3.5409	A	0.3
6	☐	500.000	527.114	60152333.29	7.1627	A	2.8
7	☐	1000.000	983.189	111502160.83	13.3391	A	1.3
8	☐			760983.36	0.0905	P	0.7

y = 0.0135 * x + 0.0242
R = 0.9993
DL = 0.1001

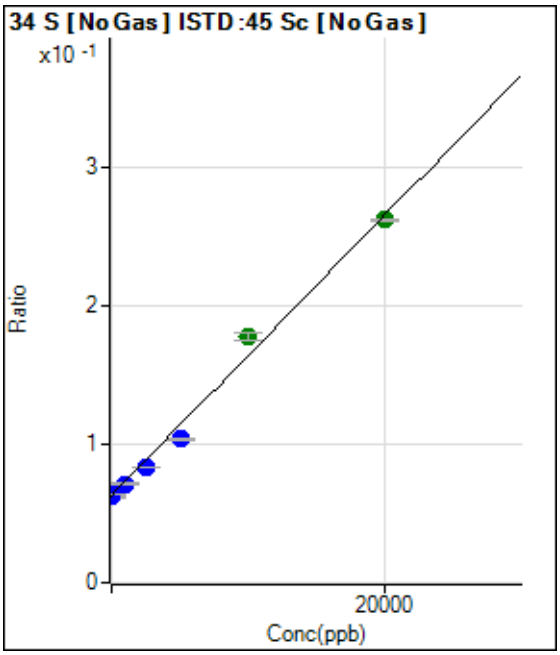
Weight: <None>
Min Conc: 0



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	-13.576	941.72	0.0012	P	14.7
2	☐	0.000	13.576	1444.55	0.0018	P	8.5
3	☐	1000.000	1009.873	20447.38	0.0256	P	5.1
4	☐	2500.000	2528.740	45259.23	0.0620	P	1.2
5	☐	5000.000	5047.687	90090.13	0.1222	P	2.3
6	☐	10000.000	10225.148	167818.40	0.2460	P	3.4
7	☐	20000.000	19871.418	324925.43	0.4767	P	0.5
8	☐			1158.41	0.0016	P	6.8

y = 2.3915E-005 * x + 0.0015
R = 0.9999
DL = 20.45

Weight: <None>
Min Conc: 0



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	-102.924	611260.50	0.0619	P	2.5
2	☐	0.000	102.924	618224.23	0.0640	P	1.0
3	☐	1000.000	829.005	687767.66	0.0714	P	1.0
4	☐	2500.000	1998.760	746469.48	0.0832	P	0.6
5	☐	5000.000	4028.697	942832.72	0.1037	P	1.0
6	☐	10000.000	11316.732	1488430.57	0.1773	A	3.5
7	☐	20000.000	19655.665	2185676.89	0.2615	A	0.3
8	☐			532141.20	0.0633	P	1.0

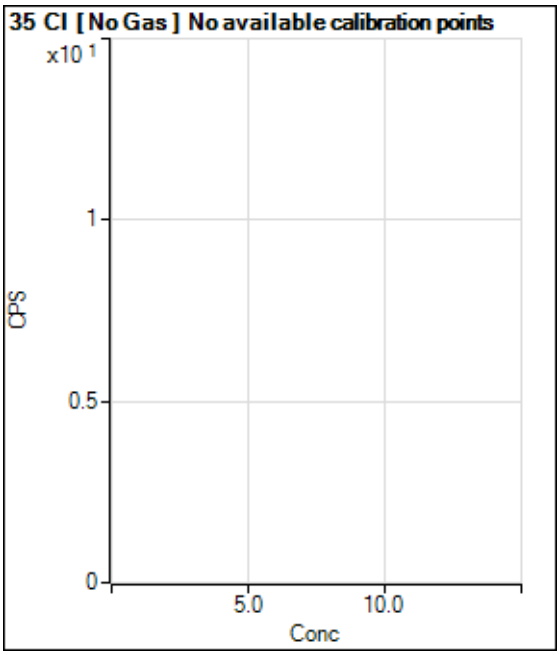
y = 1.0099E-005 * x + 0.0630

R = 0.9955

DL = 317.5

Weight: <None>

Min Conc: 0



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
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2	☐						
3	☐						
4	☐						
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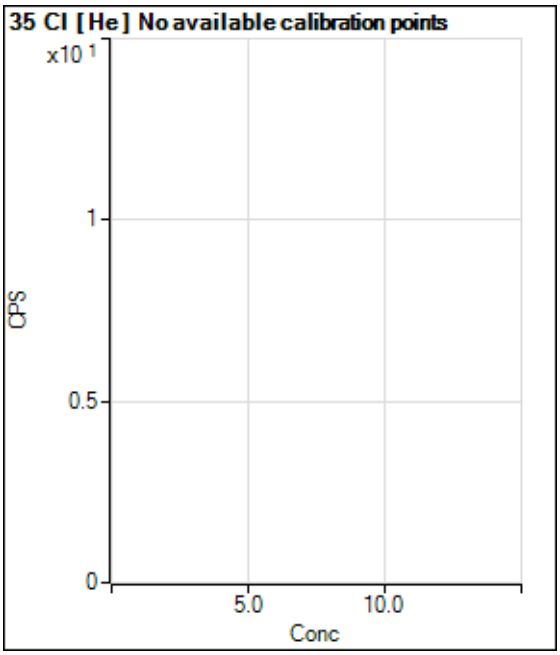
6	☐						
7	☐						
8	☐						



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
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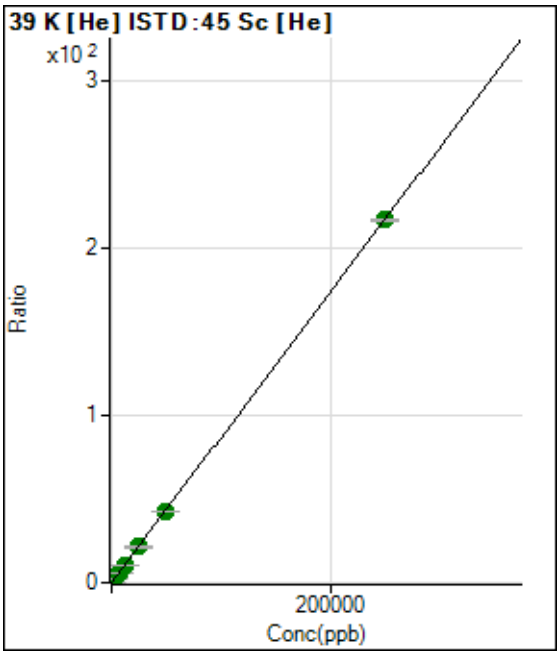
2	☐						
3	☐						
4	☐						
5	☐						
6	☐						
7	☐						
8	☐						



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	45120.19	0.0560	P	4.3
2	☐	500.000	467.602	366055.62	0.4610	P	0.7
3	☐	2500.000	2477.772	1755519.38	2.2023	A	5.7
4	☐	6250.000	6151.666	3932887.50	5.3847	A	0.3
5	☐	12500.000	12285.756	7885257.38	10.6982	A	0.7
6	☐	25000.000	24877.269	14736092.34	21.6052	A	3.7
7	☐	50000.000	49241.681	29104678.43	42.7102	A	0.5
8	☐	250000.00	250177.39	155315714.58	216.7649	A	0.2

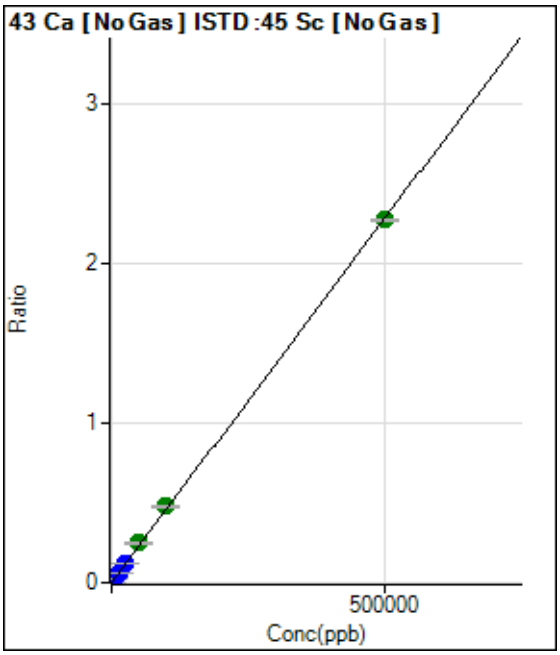
y = 8.6622E-004 * x + 0.0560

R = 1.0000

DL = 8.289

Weight: <None>

Min Conc: 0



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	230.57	0.0000	P	18.5
2	☐	500.000	468.795	20884.29	0.0022	P	1.2
3	☐	5000.000	5420.377	238676.54	0.0248	P	0.8
4	☐	12500.000	13619.364	558017.97	0.0622	P	0.7
5	☐	25000.000	27245.549	1131001.37	0.1243	P	0.8
6	☐	50000.000	54348.555	2083000.50	0.2480	A	2.6
7	☐	100000.00	104948.54	4003505.21	0.4789	A	1.5
8	☐	500000.00	498431.00	19115294.18	2.2744	A	0.4

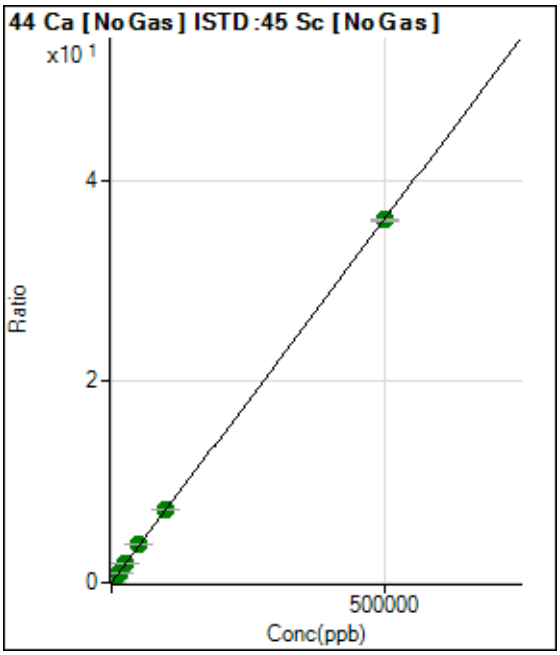
y = 4.5631E-006 * x + 2.3354E-005

R = 0.9999

DL = 2.847

Weight: <None>

Min Conc: 0



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	21669.68	0.0022	P	2.0
2	☐	500.000	472.089	350463.83	0.0363	P	0.8
3	☐	5000.000	5084.058	3560858.89	0.3694	A	0.4
4	☐	12500.000	12869.119	8362289.34	0.9316	A	0.6
5	☐	25000.000	25619.952	16849146.73	1.8525	A	1.0
6	☐	50000.000	53173.633	32270379.54	3.8426	A	2.8
7	☐	100000.00	101505.77	61299125.68	7.3333	A	0.5
8	☐	500000.00	499340.44	303121476.22	36.0661	A	0.4

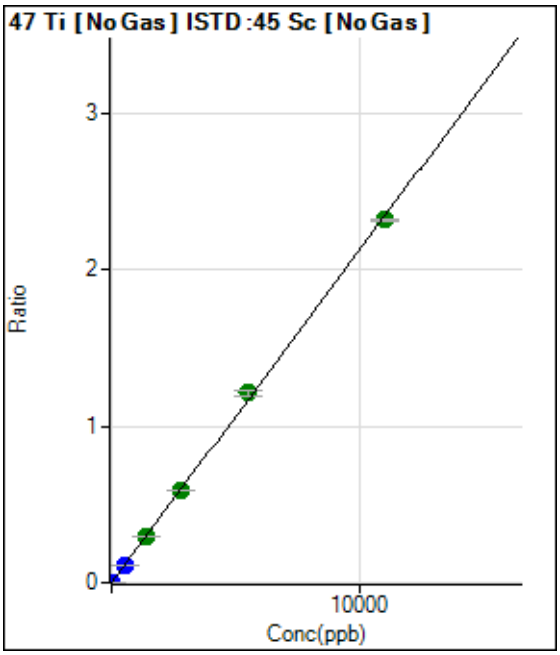
y = 7.2223E-005 * x + 0.0022

R = 1.0000

DL = 1.827

Weight: <None>

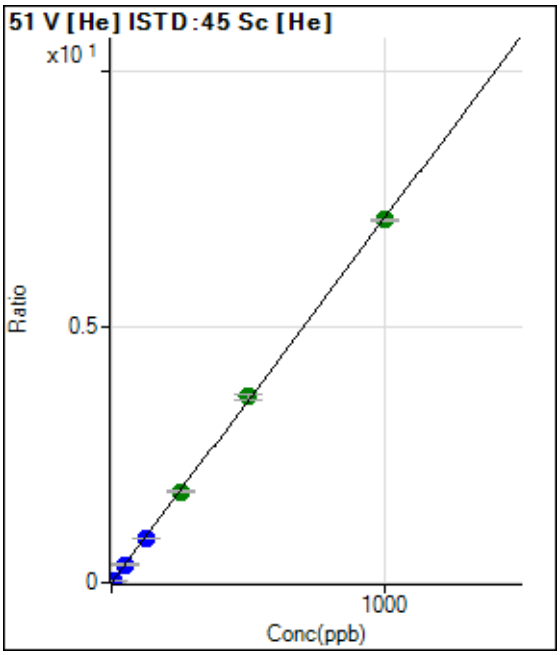
Min Conc: 0



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	108.34	0.0000	P	18.4
2	☐	5.000	4.812	9995.21	0.0010	P	1.9
3	☐	550.000	542.357	1112958.03	0.1154	P	0.6
4	☐	1375.000	1382.864	2641700.90	0.2943	A	1.6
5	☐	2750.000	2749.579	5323331.72	0.5852	A	0.3
6	☐	5500.000	5707.374	10201333.22	1.2148	A	3.0
7	☐	11000.000	10895.817	19385068.84	2.3190	A	0.6
8	☐			4336.84	0.0005	P	10.7

y = 2.1284E-004 * x + 1.0951E-005
R = 0.9997
DL = 0.02844

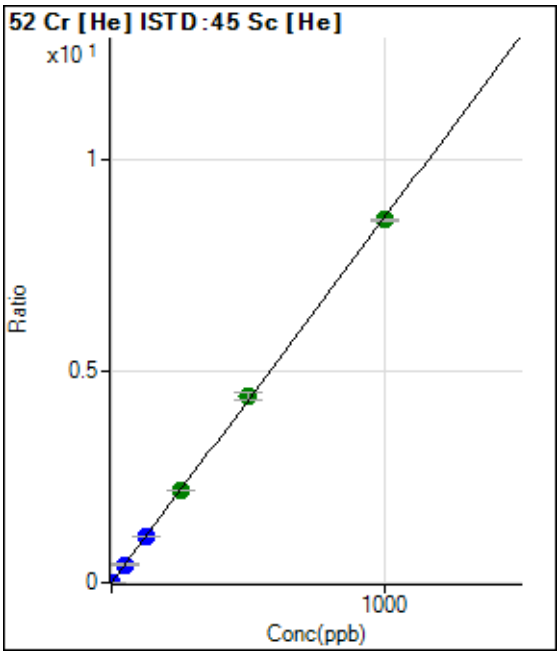
Weight: <None>
Min Conc: 0



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	17.78	0.0000	P	45.9
2	☐	5.000	4.559	25792.13	0.0325	P	1.8
3	☐	50.000	48.816	276994.54	0.3475	P	6.1
4	☐	125.000	122.280	635778.67	0.8705	P	0.6
5	☐	250.000	250.143	1312383.03	1.7807	A	1.0
6	☐	500.000	509.351	2473736.18	3.6259	A	2.7
7	☐	1000.000	995.690	4830612.95	7.0880	A	0.4
8	☐			738.91	0.0010	P	12.0

y = 0.0071 * x + 2.2192E-005
R = 0.9999
DL = 0.004288

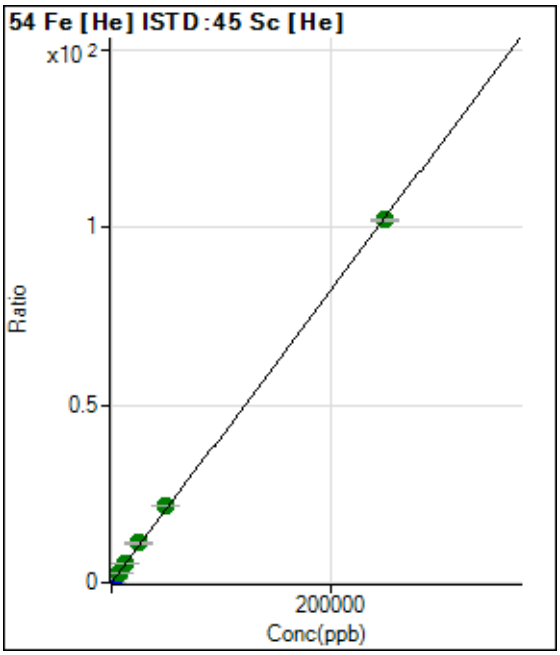
Weight: <None>
Min Conc: 0



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	1553.43	0.0019	P	1.8
2	☐	2.000	1.883	14402.52	0.0181	P	1.3
3	☐	50.000	49.677	342345.13	0.4295	P	6.2
4	☐	125.000	124.724	785562.67	1.0755	P	0.7
5	☐	250.000	253.567	1610142.46	2.1846	A	0.6
6	☐	500.000	510.655	2999793.67	4.3976	A	3.4
7	☐	1000.000	993.832	5831280.12	8.5568	A	0.3
8	☐			10790.60	0.0151	P	1.3

y = 0.0086 * x + 0.0019
R = 0.9999
DL = 0.01198

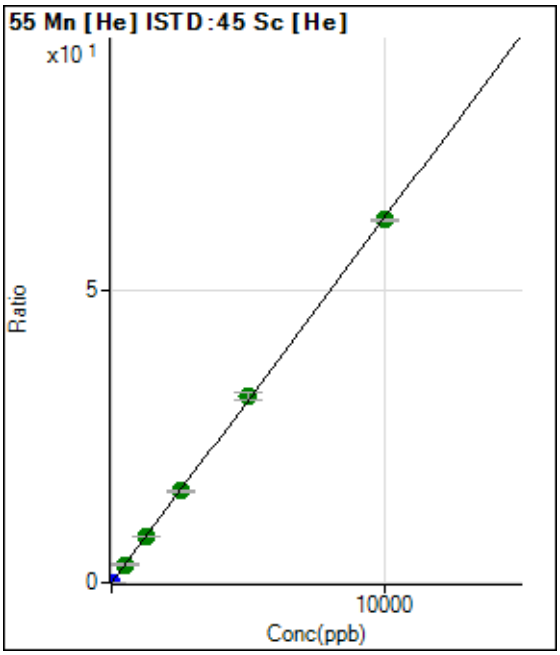
Weight: <None>
Min Conc: 0



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	984.38	0.0012	P	14.2
2	☐	50.000	51.440	17735.40	0.0223	P	5.0
3	☐	2500.000	2765.119	905157.54	1.1357	P	6.3
4	☐	6250.000	6806.497	2040706.68	2.7939	A	1.0
5	☐	12500.000	13532.796	4093154.68	5.5536	A	0.4
6	☐	25000.000	27397.668	7670052.18	11.2423	A	2.7
7	☐	50000.000	53281.663	14900551.80	21.8622	A	0.5
8	☐	250000.00	249035.69	73211910.17	102.1785	A	0.2

y = 4.1029E-004 * x + 0.0012
R = 0.9999
DL = 1.26

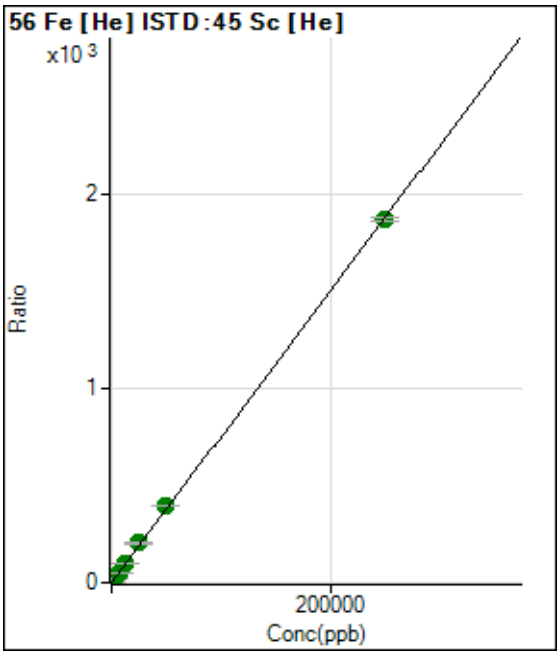
Weight: <None>
Min Conc: 0



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	111.11	0.0001	P	7.2
2	☐	1.000	0.951	4826.37	0.0061	P	2.6
3	☐	500.000	500.328	2490455.64	3.1249	A	6.4
4	☐	1250.000	1262.523	5758924.57	7.8852	A	1.2
5	☐	2500.000	2507.455	11541420.66	15.6603	A	1.2
6	☐	5000.000	5109.899	21769019.12	31.9137	A	3.4
7	☐	10000.000	9941.605	42312616.04	62.0899	A	0.3
8	☐			23762.19	0.0332	P	1.7

y = 0.0062 * x + 1.3750E-004
R = 0.9999
DL = 0.004766

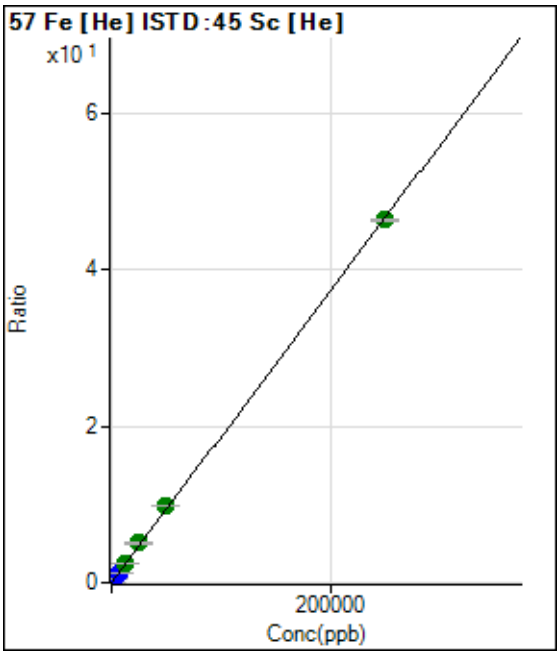
Weight: <None>
Min Conc: 0



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	6779.42	0.0084	P	3.0
2	☐	50.000	50.330	306398.98	0.3858	P	1.8
3	☐	2500.000	2685.900	16064399.43	20.1490	A	5.3
4	☐	6250.000	6770.681	37087129.53	50.7792	A	1.1
5	☐	12500.000	13572.862	75019321.12	101.7862	A	0.6
6	☐	25000.000	27303.537	139643303.12	204.7474	A	3.8
7	☐	50000.000	53047.817	271150337.54	397.7941	A	0.9
8	☐	250000.00	249091.56	1338272874.3	1,867.852	A	1.2

y = 0.0075 * x + 0.0084
R = 0.9999
DL = 0.09989

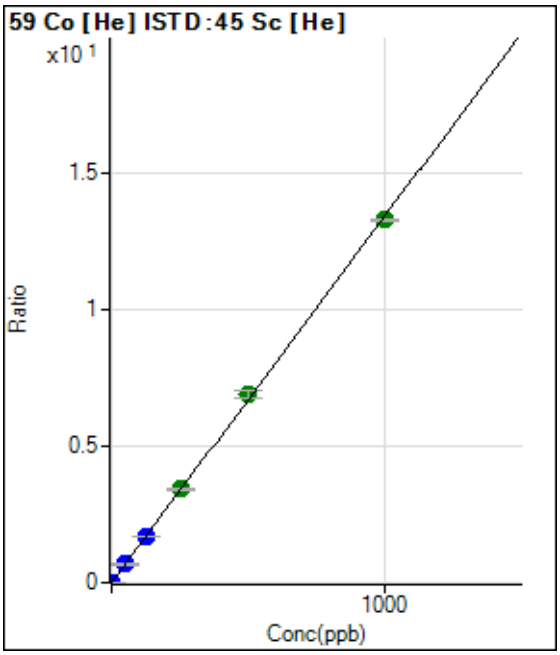
Weight: <None>
Min Conc: 0



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	198.15	0.0002	P	5.5
2	☐	50.000	50.151	7607.61	0.0096	P	4.7
3	☐	2500.000	2698.219	400641.24	0.5025	P	5.4
4	☐	6250.000	6748.547	917783.65	1.2566	P	0.7
5	☐	12500.000	13397.164	1838398.73	2.4943	A	0.1
6	☐	25000.000	27188.299	3452334.04	5.0617	A	3.7
7	☐	50000.000	52797.000	6698846.45	9.8290	A	0.4
8	☐	250000.00	249162.46	33236146.34	46.3847	A	0.7

y = 1.8616E-004 * x + 2.4579E-004
R = 0.9999
DL = 0.2198

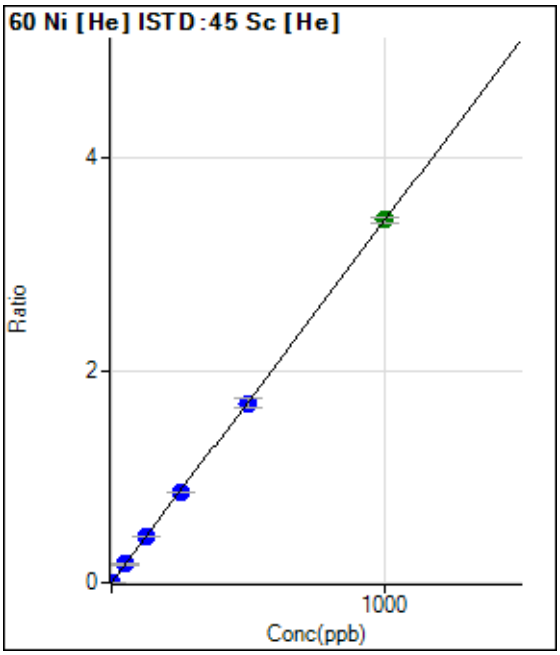
Weight: <None>
Min Conc: 0



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	131.11	0.0002	P	28.3
2	☐	1.000	0.946	10219.12	0.0129	P	1.5
3	☐	50.000	50.170	537067.56	0.6737	P	5.4
4	☐	125.000	125.237	1228044.50	1.6814	P	0.9
5	☐	250.000	257.338	2546044.86	3.4548	A	2.1
6	☐	500.000	514.286	4708615.55	6.9041	A	4.0
7	☐	1000.000	990.985	9067058.48	13.3035	A	0.6
8	☐			13893.21	0.0194	P	1.9

y = 0.0134 * x + 1.6314E-004
R = 0.9998
DL = 0.0103

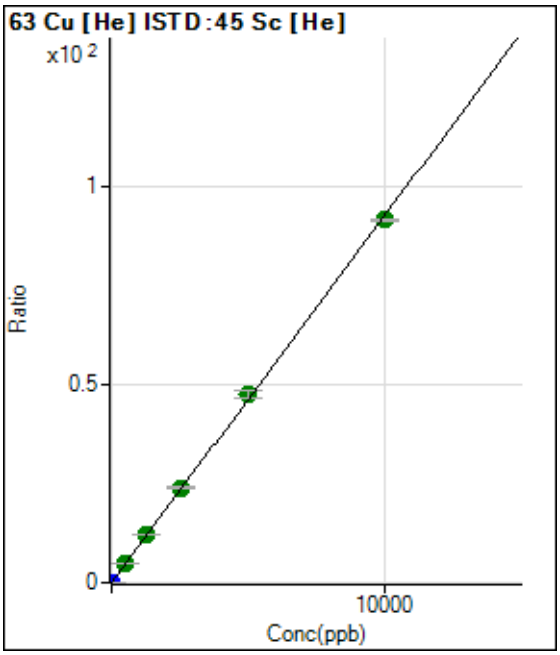
Weight: <None>
Min Conc: 0



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	555.57	0.0007	P	14.6
2	☐	1.000	0.926	3057.01	0.0039	P	3.2
3	☐	50.000	50.951	139119.36	0.1746	P	6.3
4	☐	125.000	126.289	315269.45	0.4316	P	0.5
5	☐	250.000	249.102	627017.95	0.8507	P	0.5
6	☐	500.000	496.093	1154874.87	1.6936	P	4.5
7	☐	1000.000	1001.969	2330817.55	3.4198	A	1.4
8	☐			3587.12	0.0050	P	2.0

y = 0.0034 * x + 6.9069E-004
R = 1.0000
DL = 0.08895

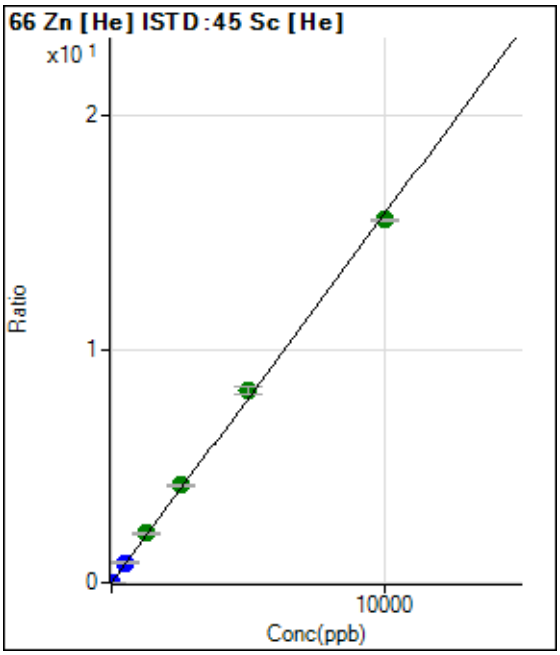
Weight: <None>
Min Conc: 0



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	2202.41	0.0027	P	2.5
2	☐	2.000	1.956	16533.69	0.0208	P	0.6
3	☐	500.000	527.459	3893143.00	4.8834	A	5.4
4	☐	1250.000	1295.008	8753823.27	11.9856	A	0.7
5	☐	2500.000	2587.834	17649977.24	23.9484	A	0.9
6	☐	5000.000	5157.380	32547066.73	47.7248	A	4.2
7	☐	10000.000	9892.353	62392425.18	91.5382	A	0.7
8	☐			15087.70	0.0211	P	0.9

y = 0.0093 * x + 0.0027
R = 0.9998
DL = 0.02242

Weight: <None>
Min Conc: 0



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	498.90	0.0006	P	5.2
2	☐	2.000	2.388	3484.88	0.0044	P	2.4
3	☐	500.000	539.886	680165.24	0.8532	P	5.7
4	☐	1250.000	1333.501	1538628.61	2.1066	A	1.1
5	☐	2500.000	2644.224	3078156.86	4.1766	A	0.9
6	☐	5000.000	5219.379	5621567.55	8.2435	A	4.4
7	☐	10000.000	9841.822	10592938.38	15.5436	A	0.4
8	☐			12350.76	0.0172	P	3.2

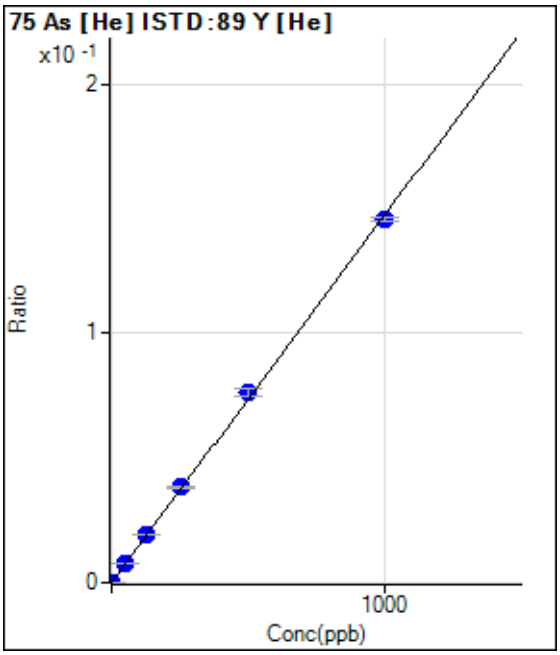
y = 0.0016 * x + 6.1795E-004

R = 0.9995

DL = 0.06138

Weight: <None>

Min Conc: 0



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	41.36	0.0000	P	39.7
2	☐	1.000	1.078	788.91	0.0002	P	8.7
3	☐	50.000	53.126	37242.15	0.0078	P	5.0
4	☐	125.000	131.984	84527.76	0.0194	P	0.7
5	☐	250.000	260.282	168808.20	0.0383	P	1.0
6	☐	500.000	516.517	311745.95	0.0761	P	4.3
7	☐	1000.000	988.142	596858.18	0.1455	P	1.1
8	☐			220.37	0.0001	P	20.5

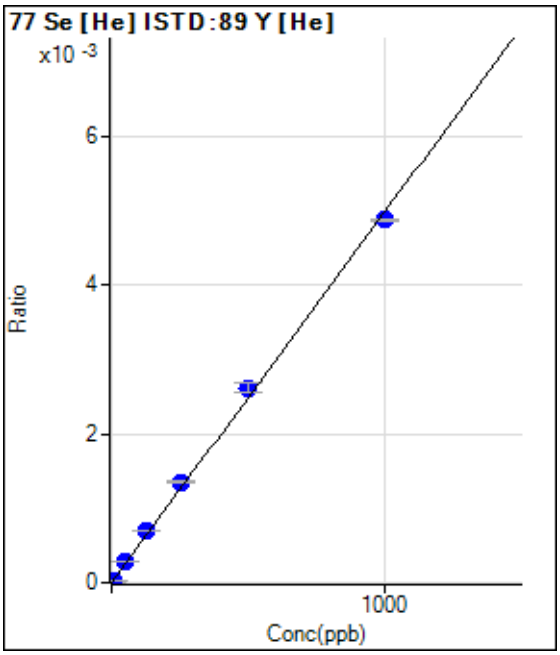
y = 1.4723E-004 * x + 8.6045E-006

R = 0.9997

DL = 0.06964

Weight: <None>

Min Conc: 0



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	1.11	0.0000	P	173.
2	☐	5.000	5.490	130.00	0.0000	P	29.9
3	☐	50.000	57.451	1358.97	0.0003	P	7.4
4	☐	125.000	139.212	3010.34	0.0007	P	1.4
5	☐	250.000	272.481	5966.81	0.0014	P	1.8
6	☐	500.000	525.344	10703.95	0.0026	P	5.1
7	☐	1000.000	979.556	19982.48	0.0049	P	0.4
8	☐			8.89	0.0000	P	57.5

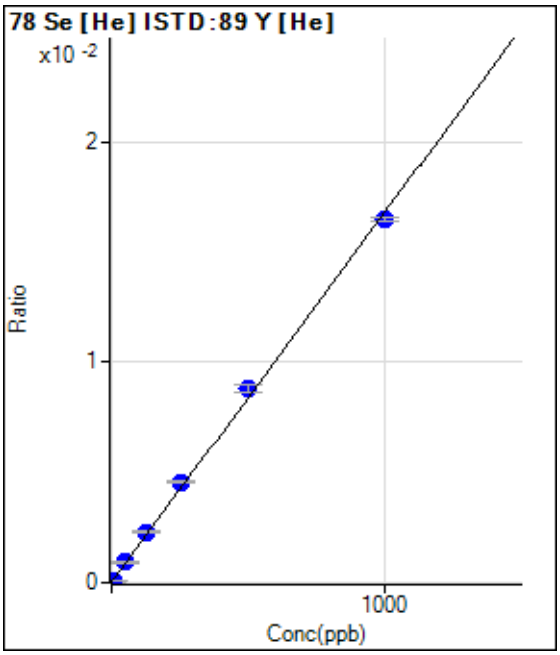
y = 4.9717E-006 * x + 2.3388E-007

R = 0.9992

DL = 0.2444

Weight: <None>

Min Conc: 0



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	80.87	0.0000	P	24.6
2	☐	5.000	5.592	522.24	0.0001	P	0.5
3	☐	50.000	55.094	4472.92	0.0009	P	5.6
4	☐	125.000	136.742	10041.70	0.0023	P	1.1
5	☐	250.000	270.965	20080.89	0.0046	P	1.0
6	☐	500.000	524.497	36108.55	0.0088	P	4.5
7	☐	1000.000	980.785	67521.87	0.0165	P	1.1
8	☐			114.81	0.0000	P	11.9

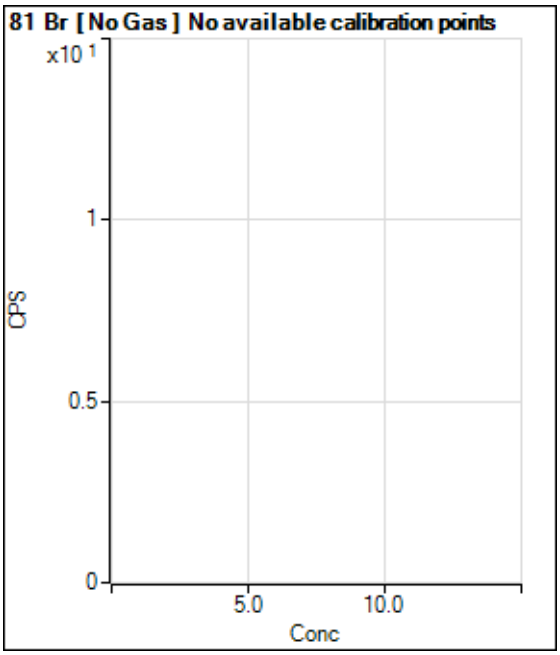
y = 1.6765E-005 * x + 1.6844E-005

R = 0.9993

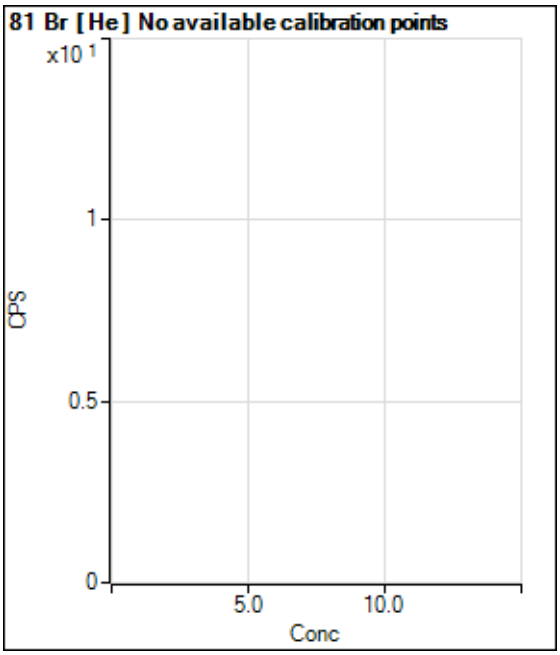
DL = 0.7426

Weight: <None>

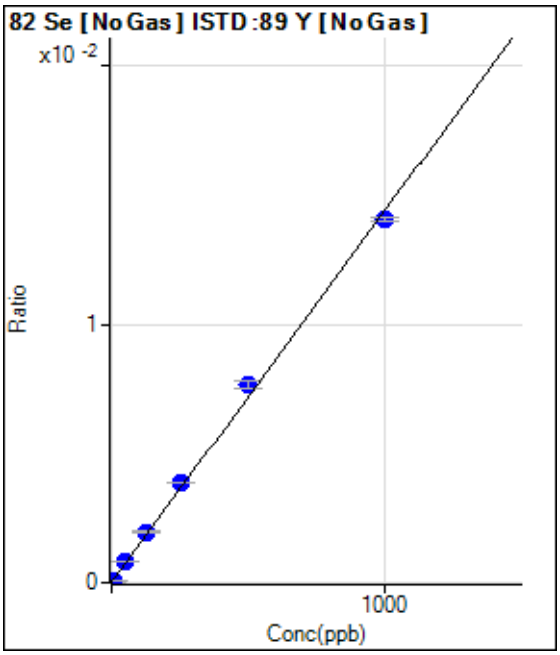
Min Conc: 0



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐			3389.36		P	6.3
2	☐			3458.85		P	3.6
3	☐			3433.83		P	3.5
4	☐			3342.13		P	5.0
5	☐			3508.85		P	3.9
6	☐			3192.12		P	6.6
7	☐			3211.56		P	1.2
8	☐			3447.73		P	5.6



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐			73.41		P	43.8
2	☐			70.07		P	14.3
3	☐			33.37		P	121.
4	☐			60.06		P	33.3
5	☐			40.04		P	43.3
6	☐			90.09		P	58.8
7	☐			80.08		P	21.7
8	☐			103.44		P	45.7



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	199.20	0.0000	P	18.5
2	☐	5.000	5.066	1664.46	0.0001	P	3.4
3	☐	50.000	54.692	16290.40	0.0008	P	0.6
4	☐	125.000	136.505	37637.48	0.0020	P	0.9
5	☐	250.000	268.166	74341.10	0.0039	P	0.3
6	☐	500.000	534.409	138107.75	0.0077	P	3.7
7	☐	1000.000	976.581	251455.37	0.0140	P	1.0
8	☐			271.17	0.0000	P	41.0

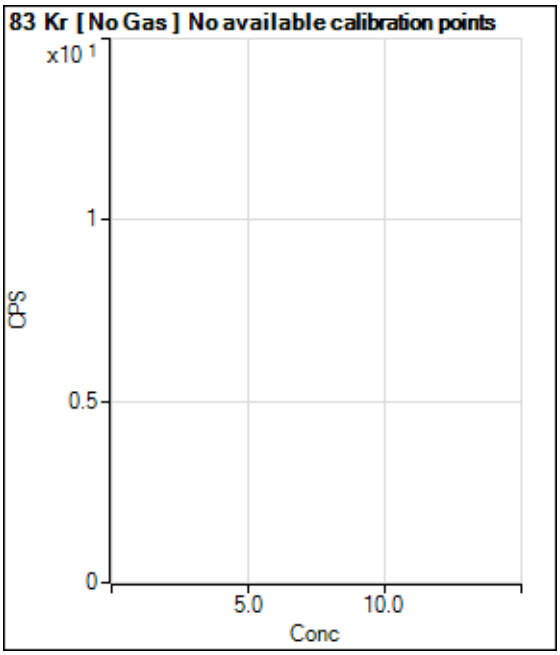
y = 1.4356E-005 * x + 9.7017E-006

R = 0.9989

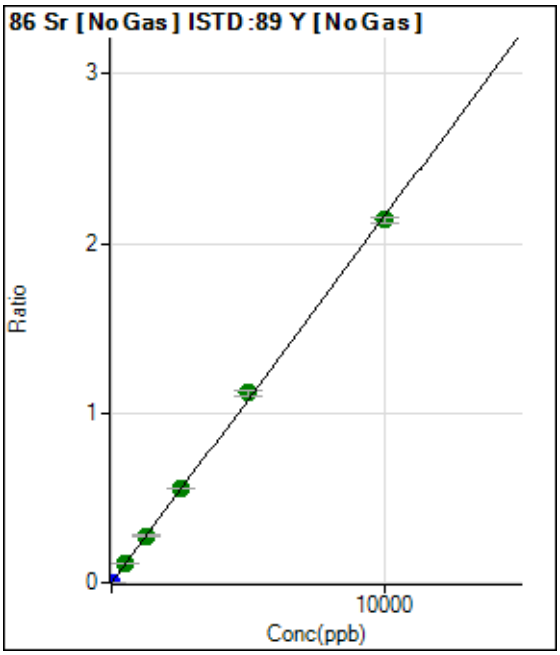
DL = 0.3752

Weight: <None>

Min Conc: 0



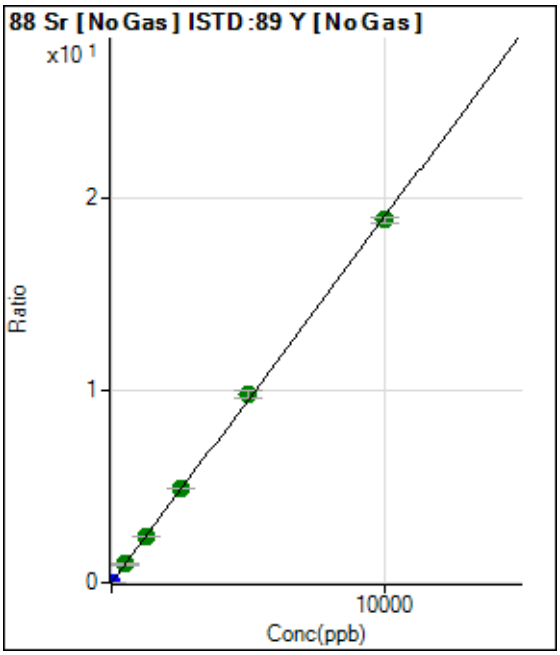
	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐			1192.28		P	1.9
2	☐			1215.61		P	3.9
3	☐			1160.06		P	4.6
4	☐			1027.82		P	2.8
5	☐			1143.39		P	2.3
6	☐			1060.05		P	3.6
7	☐			1112.28		P	1.7
8	☐			1018.93		P	7.9



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	1925.18	0.0001	P	9.1
2	☐	1.000	0.942	5998.61	0.0003	P	2.3
3	☐	500.000	505.431	2240144.99	0.1093	A	1.6
4	☐	1250.000	1281.938	5297185.06	0.2772	A	1.1
5	☐	2500.000	2548.640	10612350.32	0.5510	A	0.3
6	☐	5000.000	5168.331	20086690.38	1.1172	A	3.5
7	☐	10000.000	9899.411	38353936.28	2.1398	A	1.9
8	☐			29869.86	0.0017	P	1.7

y = 2.1614E-004 * x + 9.3544E-005
R = 0.9998
DL = 0.1179

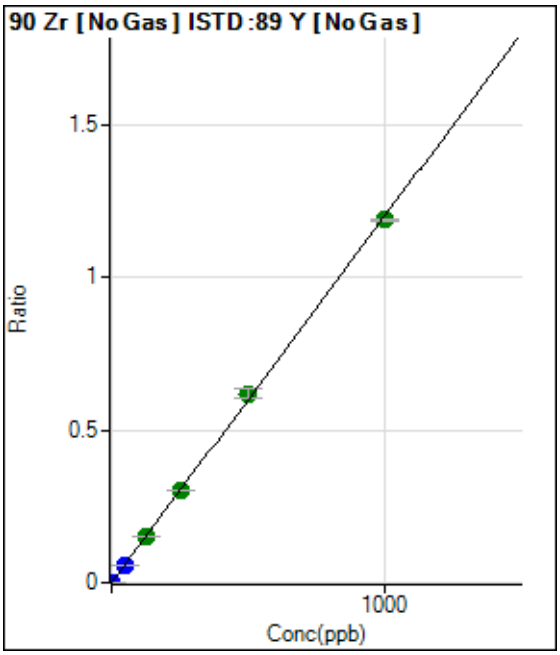
Weight: <None>
Min Conc: 0



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	330.57	0.0000	P	37.8
2	☐	1.000	0.911	35351.41	0.0018	P	2.1
3	☐	500.000	499.537	19485717.62	0.9508	A	0.3
4	☐	1250.000	1266.155	46056289.92	2.4098	A	1.0
5	☐	2500.000	2562.241	93935138.91	4.8766	A	0.5
6	☐	5000.000	5130.605	175534131.70	9.7648	A	4.1
7	☐	10000.000	9917.141	338306415.90	18.8746	A	1.7
8	☐			251529.48	0.0142	P	2.5

y = 0.0019 * x + 1.6026E-005
R = 0.9998
DL = 0.009558

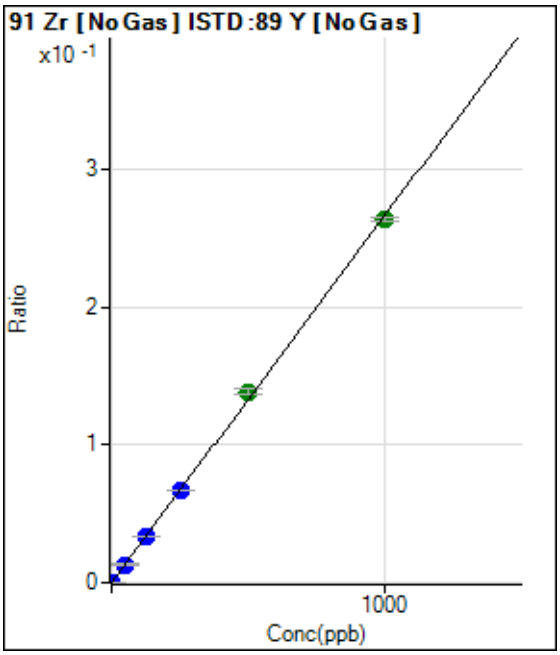
Weight: <None>
Min Conc: 0



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	1283.42	0.0001	P	2.2
2	☐	1.000	0.879	22578.92	0.0011	P	2.6
3	☐	50.000	49.190	1212324.14	0.0592	P	0.2
4	☐	125.000	125.826	2890112.13	0.1512	A	0.6
5	☐	250.000	252.751	5849369.31	0.3037	A	0.7
6	☐	500.000	516.865	11162196.95	0.6210	A	4.3
7	☐	1000.000	990.817	21333397.00	1.1903	A	0.4
8	☐			12258.20	0.0007	P	2.1

y = 0.0012 * x + 6.2403E-005
R = 0.9998
DL = 0.003363

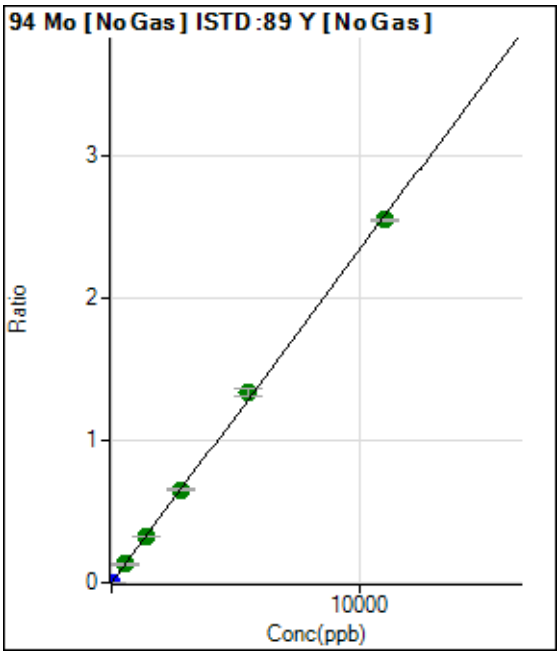
Weight: <None>
Min Conc: 0



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	233.34	0.0000	P	11.3
2	☐	1.000	0.870	4906.51	0.0002	P	5.3
3	☐	50.000	49.624	271102.23	0.0132	P	0.9
4	☐	125.000	124.286	632933.34	0.0331	P	0.9
5	☐	250.000	253.054	1298636.42	0.0674	P	0.3
6	☐	500.000	520.387	2492551.66	0.1386	A	3.5
7	☐	1000.000	989.151	4722841.64	0.2635	A	1.2
8	☐			2780.90	0.0002	P	4.2

y = 2.6638E-004 * x + 1.1330E-005
R = 0.9997
DL = 0.0144

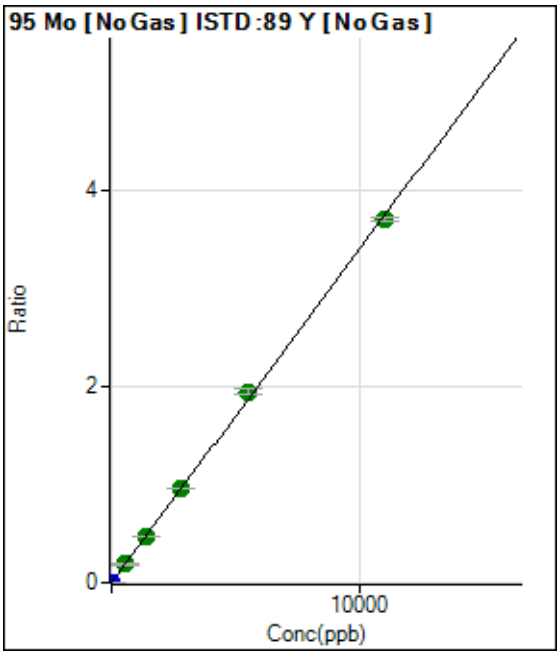
Weight: <None>
Min Conc: 0



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	461.13	0.0000	P	11.5
2	☐	5.000	5.556	26694.18	0.0013	P	0.9
3	☐	550.000	549.714	2634912.12	0.1286	A	0.9
4	☐	1375.000	1387.950	6203964.38	0.3246	A	0.7
5	☐	2750.000	2797.618	12603249.41	0.6543	A	0.2
6	☐	5500.000	5691.919	23930676.23	1.3312	A	4.0
7	☐	11000.000	10890.531	45648533.31	2.5470	A	0.6
8	☐			10415.09	0.0006	P	5.7

y = 2.3387E-004 * x + 2.2440E-005
R = 0.9998
DL = 0.03317

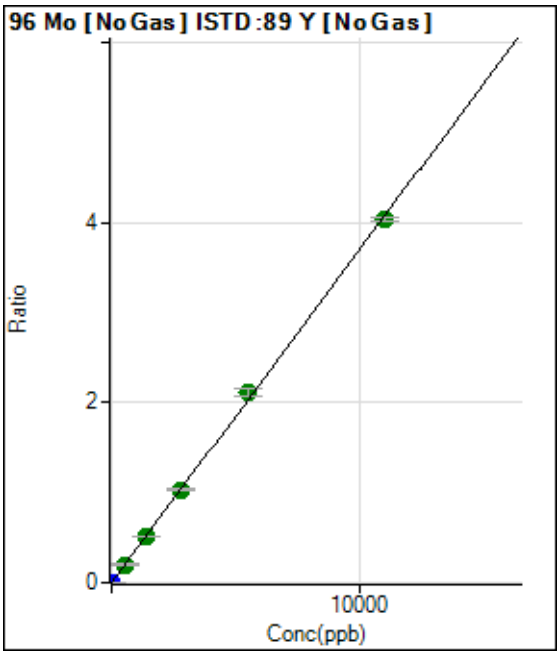
Weight: <None>
Min Conc: 0



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	91.67	0.0000	P	33.7
2	☐	5.000	4.731	32550.69	0.0016	P	1.2
3	☐	550.000	548.012	3815131.47	0.1862	A	0.5
4	☐	1375.000	1375.499	8930721.64	0.4673	A	1.0
5	☐	2750.000	2811.671	18398460.48	0.9552	A	0.2
6	☐	5500.000	5728.299	34985190.71	1.9460	A	3.8
7	☐	11000.000	10870.470	66186990.37	3.6929	A	0.9
8	☐			11057.24	0.0006	P	10.4

y = 3.3972E-004 * x + 4.4697E-006
R = 0.9997
DL = 0.01331

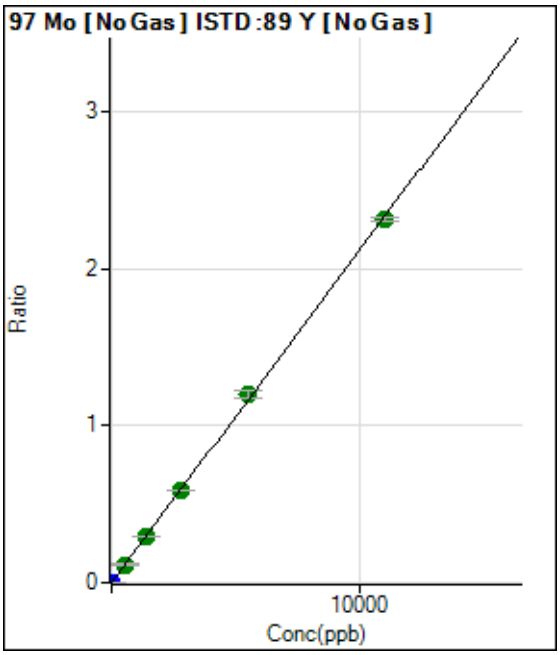
Weight: <None>
Min Conc: 0



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	250.01	0.0000	P	10.6
2	☐	5.000	4.914	36963.95	0.0018	P	0.3
3	☐	550.000	547.690	4152942.37	0.2027	A	0.4
4	☐	1375.000	1372.262	9703490.32	0.5077	A	0.6
5	☐	2750.000	2794.129	19912494.37	1.0338	A	0.5
6	☐	5500.000	5702.148	37928076.54	2.1097	A	4.0
7	☐	11000.000	10888.352	72204733.56	4.0286	A	1.1
8	☐			11841.20	0.0007	P	8.7

y = 3.6999E-004 * x + 1.2158E-005
R = 0.9997
DL = 0.01043

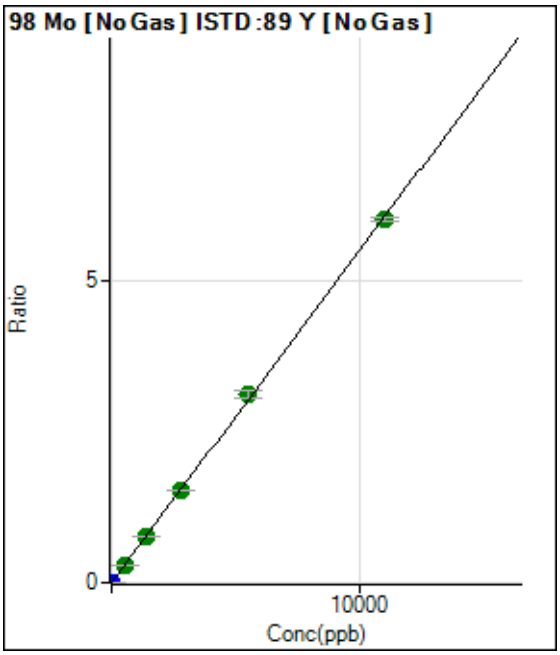
Weight: <None>
Min Conc: 0



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	66.67	0.0000	P	23.5
2	☐	5.000	4.830	20768.03	0.0010	P	1.6
3	☐	550.000	547.053	2379280.46	0.1161	A	0.8
4	☐	1375.000	1378.227	5590493.09	0.2925	A	0.9
5	☐	2750.000	2782.259	11373130.29	0.5905	A	0.8
6	☐	5500.000	5674.085	21651534.34	1.2042	A	3.5
7	☐	11000.000	10904.637	41480297.11	2.3143	A	1.1
8	☐			6229.27	0.0004	P	10.4

y = 2.1223E-004 * x + 3.2335E-006
R = 0.9998
DL = 0.01076

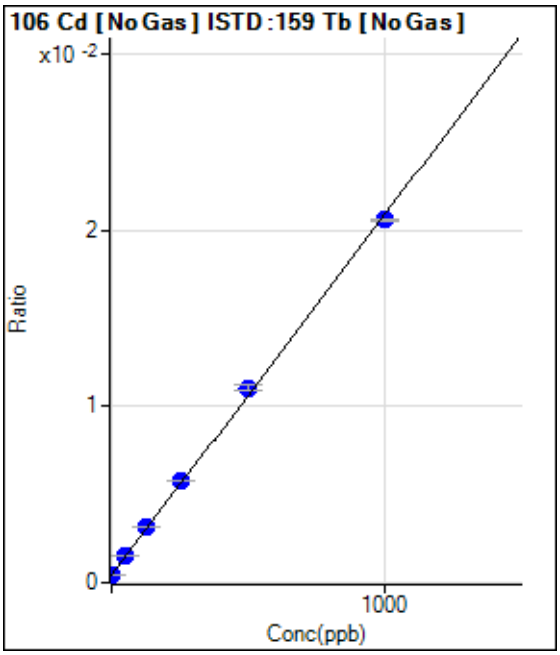
Weight: <None>
Min Conc: 0



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	183.34	0.0000	P	20.4
2	☐	5.000	4.692	52450.40	0.0026	P	1.2
3	☐	550.000	546.134	6173611.99	0.3013	A	1.1
4	☐	1375.000	1374.024	14487145.29	0.7580	A	0.4
5	☐	2750.000	2781.471	29554403.78	1.5345	A	0.8
6	☐	5500.000	5661.062	56146499.86	3.1231	A	3.7
7	☐	11000.000	10911.917	107891308.66	6.0198	A	1.0
8	☐			16073.08	0.0009	P	11.2

y = 5.5167E-004 * x + 8.9055E-006
R = 0.9998
DL = 0.009887

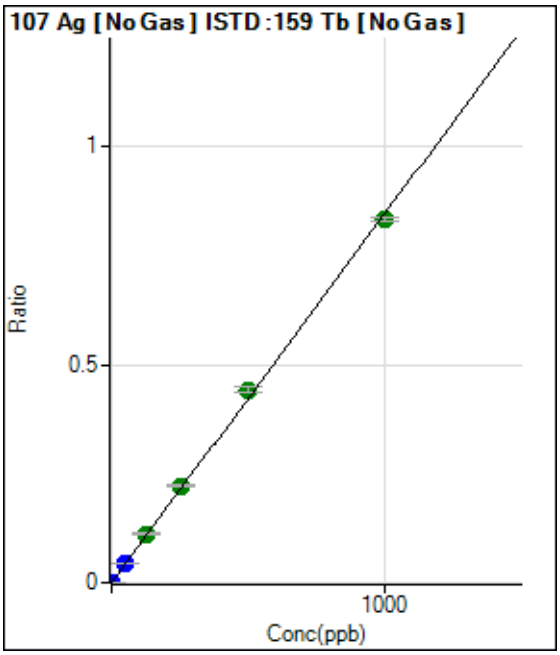
Weight: <None>
Min Conc: 0



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	9392.18	0.0004	P	3.1
2	☐	1.000	1.916	10009.24	0.0005	P	1.1
3	☐	50.000	54.801	34032.27	0.0015	P	1.5
4	☐	125.000	134.275	65612.49	0.0032	P	0.6
5	☐	250.000	261.744	121245.84	0.0058	P	0.8
6	☐	500.000	519.030	217640.87	0.0110	P	2.9
7	☐	1000.000	986.149	403643.68	0.0206	P	0.5
8	☐			8572.23	0.0005	P	1.3

y = 2.0465E-005 * x + 4.2380E-004
R = 0.9996
DL = 1.942

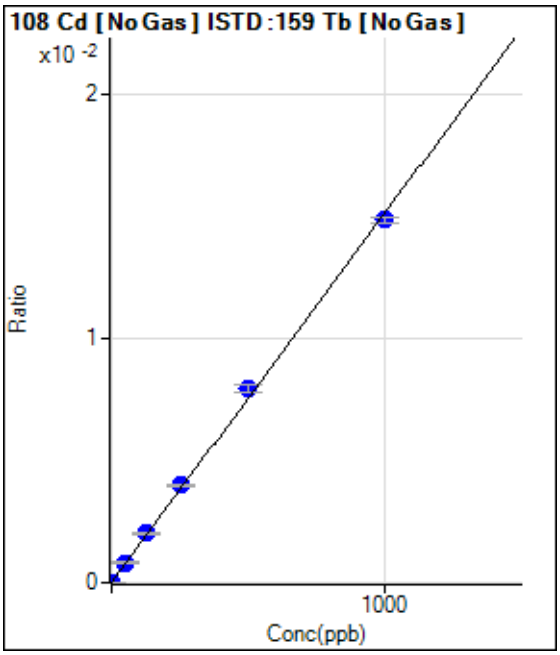
Weight: <None>
Min Conc: 0



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	175.01	0.0000	P	9.8
2	☐	1.000	0.963	17755.67	0.0008	P	3.7
3	☐	50.000	52.470	976499.08	0.0444	P	1.1
4	☐	125.000	132.703	2320311.94	0.1122	A	0.9
5	☐	250.000	263.134	4664567.94	0.2224	A	1.4
6	☐	500.000	522.635	8701967.73	0.4417	A	3.3
7	☐	1000.000	984.313	16295188.56	0.8319	A	1.0
8	☐			4247.94	0.0002	P	9.5

y = 8.4515E-004 * x + 7.9079E-006
R = 0.9995
DL = 0.002762

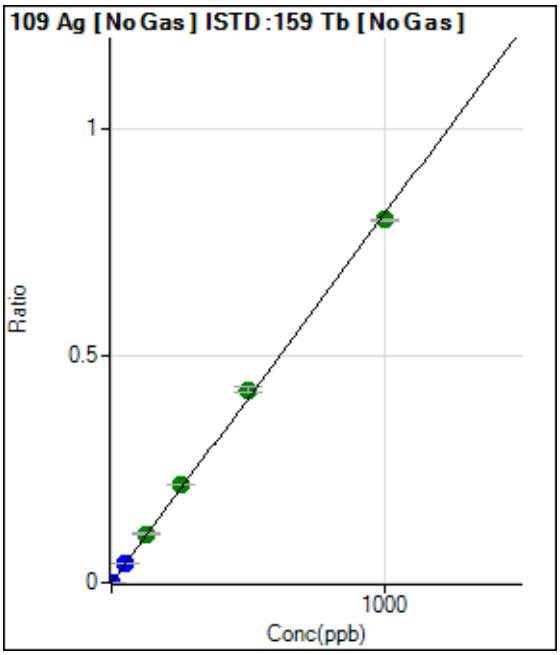
Weight: <None>
Min Conc: 0



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	98.61	0.0000	P	22.2
2	☐	1.000	0.916	394.46	0.0000	P	4.6
3	☐	50.000	53.957	18026.63	0.0008	P	4.5
4	☐	125.000	132.879	41557.96	0.0020	P	1.7
5	☐	250.000	263.039	83328.86	0.0040	P	0.5
6	☐	500.000	524.571	155977.42	0.0079	P	3.7
7	☐	1000.000	983.272	290612.60	0.0148	P	1.4
8	☐			175.00	0.0000	P	8.9

y = 1.5086E-005 * x + 4.4396E-006
R = 0.9994
DL = 0.1959

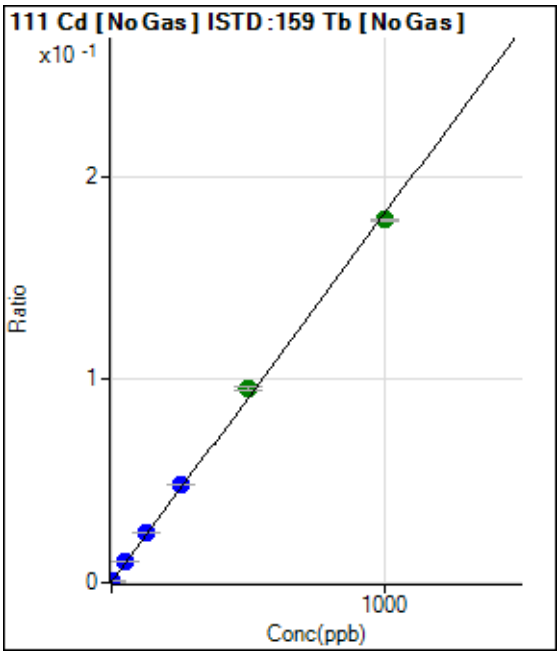
Weight: <None>
Min Conc: 0



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	38.89	0.0000	P	31.7
2	☐	1.000	0.997	17524.91	0.0008	P	0.5
3	☐	50.000	52.551	939007.65	0.0426	P	1.4
4	☐	125.000	132.583	2225463.85	0.1076	A	1.7
5	☐	250.000	264.309	4499125.06	0.2145	A	0.4
6	☐	500.000	522.268	8350178.31	0.4238	A	3.1
7	☐	1000.000	984.213	15644732.12	0.7987	A	0.6
8	☐			3700.57	0.0002	P	6.4

y = 8.1151E-004 * x + 1.7520E-006
R = 0.9995
DL = 0.002056

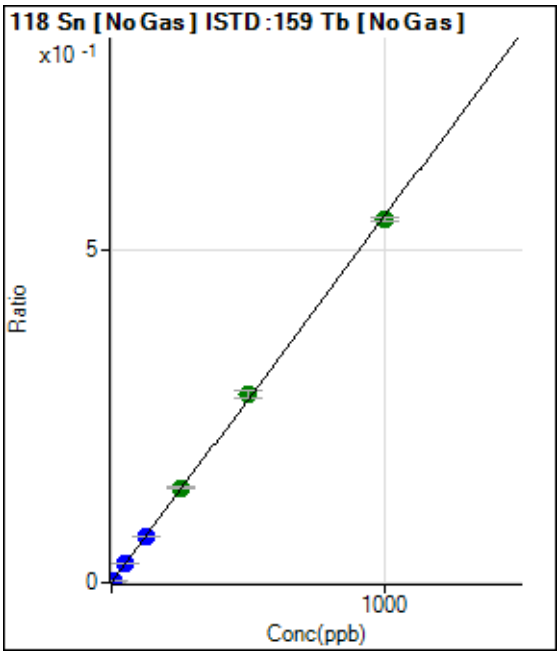
Weight: <None>
Min Conc: 0



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	6573.55	0.0003	P	3.3
2	☐	1.000	1.086	10669.84	0.0005	P	1.7
3	☐	50.000	53.826	221553.01	0.0101	P	1.5
4	☐	125.000	133.248	506368.87	0.0245	P	0.7
5	☐	250.000	263.911	1010900.29	0.0482	P	0.4
6	☐	500.000	524.101	1880222.10	0.0954	A	2.1
7	☐	1000.000	983.249	3500883.66	0.1787	A	0.6
8	☐			6591.98	0.0004	P	1.9

y = 1.8148E-004 * x + 2.9662E-004
R = 0.9994
DL = 0.1619

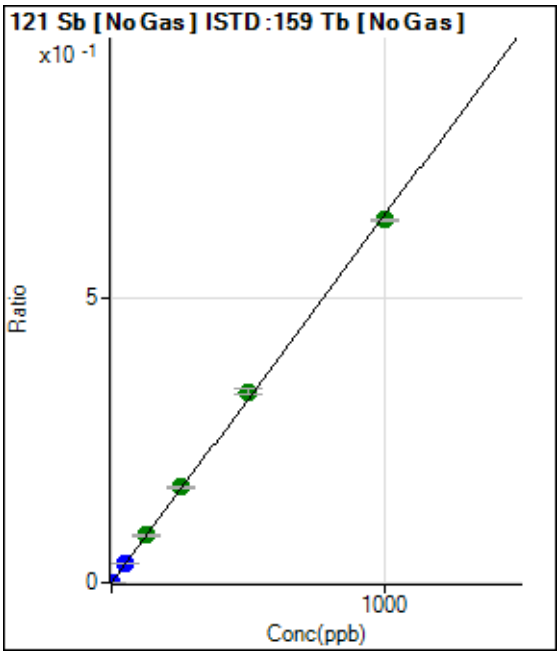
Weight: <None>
Min Conc: 0



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	5398.39	0.0002	P	2.5
2	☐	5.000	4.900	63674.49	0.0029	P	0.6
3	☐	50.000	50.345	616515.35	0.0280	P	1.3
4	☐	125.000	126.268	1445409.17	0.0699	P	0.6
5	☐	250.000	258.782	2998343.25	0.1429	A	0.9
6	☐	500.000	515.449	5603996.44	0.2845	A	3.7
7	☐	1000.000	989.904	10698177.50	0.5461	A	1.0
8	☐			4581.41	0.0002	P	1.6

y = 5.5144E-004 * x + 2.4362E-004
R = 0.9998
DL = 0.03359

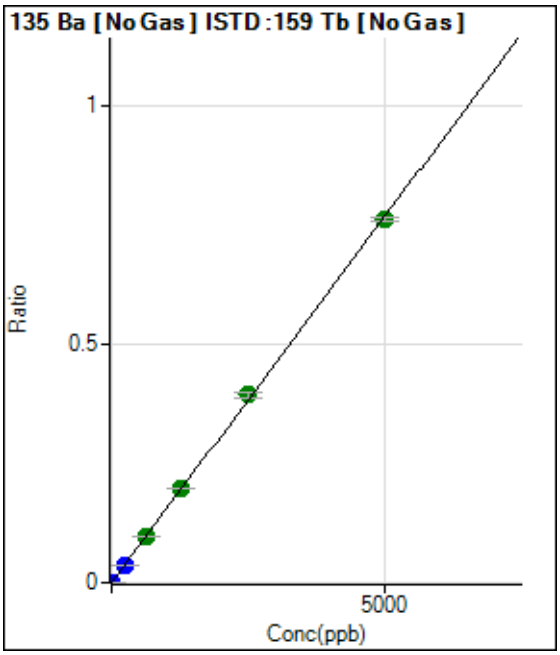
Weight: <None>
Min Conc: 0



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	269.45	0.0000	P	14.0
2	☐	2.000	1.887	26544.65	0.0012	P	1.9
3	☐	50.000	50.134	711385.76	0.0323	P	0.7
4	☐	125.000	128.282	1709967.68	0.0827	A	0.4
5	☐	250.000	259.244	3503987.10	0.1670	A	0.8
6	☐	500.000	518.871	6586246.50	0.3343	A	3.1
7	☐	1000.000	987.837	12466512.26	0.6364	A	0.4
8	☐			10126.07	0.0005	P	4.6

y = 6.4426E-004 * x + 1.2144E-005
R = 0.9997
DL = 0.007918

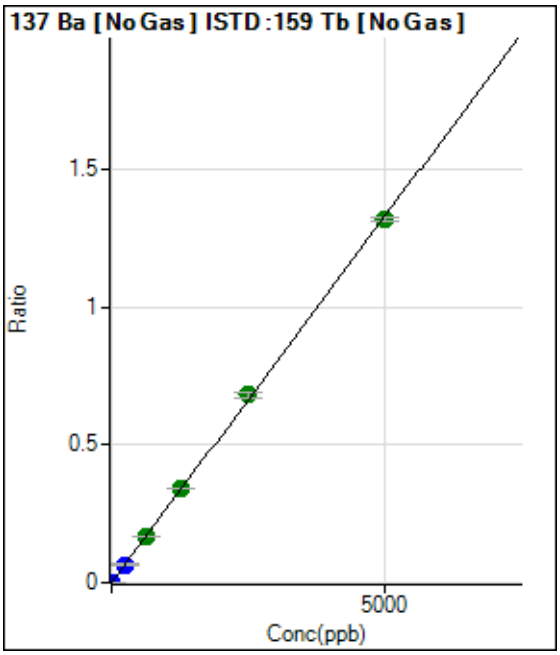
Weight: <None>
Min Conc: 0



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	41.67	0.0000	P	78.8
2	☐	10.000	9.266	30747.71	0.0014	P	1.5
3	☐	250.000	247.804	836315.86	0.0380	P	1.5
4	☐	625.000	632.950	2007255.82	0.0970	A	1.5
5	☐	1250.000	1282.701	4125177.05	0.1967	A	0.3
6	☐	2500.000	2563.918	7744169.96	0.3931	A	3.2
7	☐	5000.000	4958.983	14893023.60	0.7603	A	1.0
8	☐			6190.42	0.0003	P	8.5

y = 1.5331E-004 * x + 1.8688E-006
R = 0.9998
DL = 0.0288

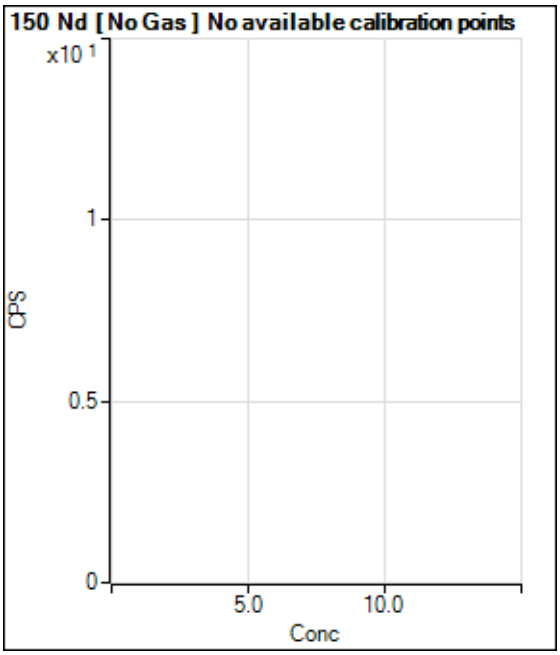
Weight: <None>
Min Conc: 0



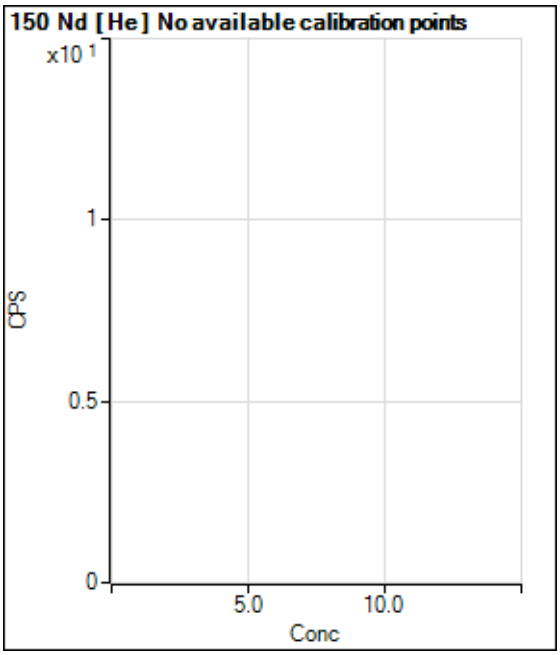
	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	38.89	0.0000	P	63.2
2	☐	10.000	9.134	52371.83	0.0024	P	2.4
3	☐	250.000	248.977	1453259.15	0.0660	P	1.2
4	☐	625.000	630.597	3458898.38	0.1672	A	0.1
5	☐	1250.000	1284.366	7142865.35	0.3405	A	0.8
6	☐	2500.000	2564.009	13392290.41	0.6798	A	3.8
7	☐	5000.000	4958.757	25752724.53	1.3148	A	1.0
8	☐			10923.93	0.0006	P	3.7

y = 2.6514E-004 * x + 1.7645E-006
R = 0.9998
DL = 0.01262

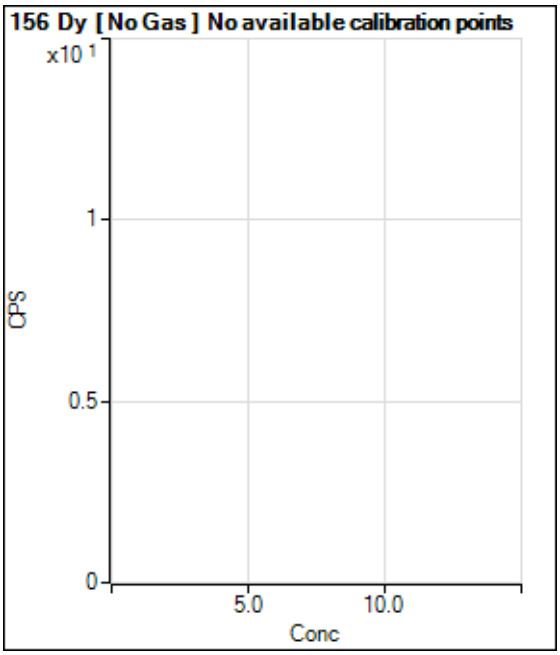
Weight: <None>
Min Conc: 0



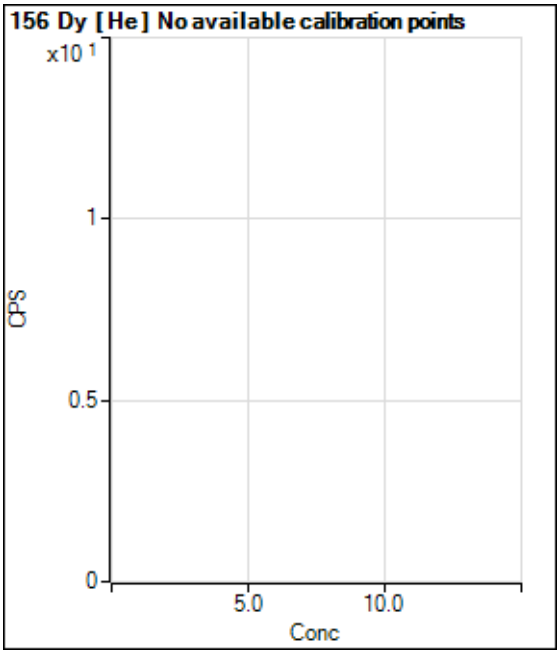
	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐			2.22		P	173.
2	☐			20.00		P	33.4
3	☐			77.78		P	13.1
4	☐			162.22		P	12.6
5	☐			297.79		P	3.4
6	☐			551.13		P	8.5
7	☐			1013.39		P	7.1
8	☐			166.67		P	28.8



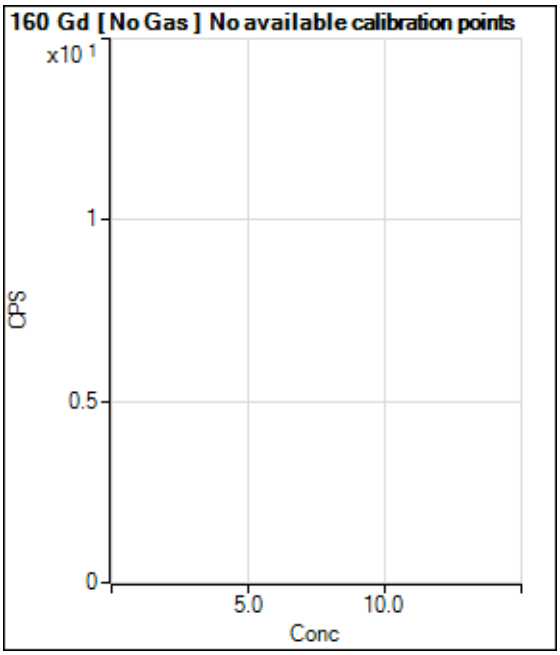
	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐			1.11		P	173.
2	☐			3.33		P	173.
3	☐			12.22		P	41.7
4	☐			41.11		P	28.5
5	☐			66.67		P	13.2
6	☐			98.89		P	18.6
7	☐			215.56		P	3.9
8	☐			52.22		P	22.4



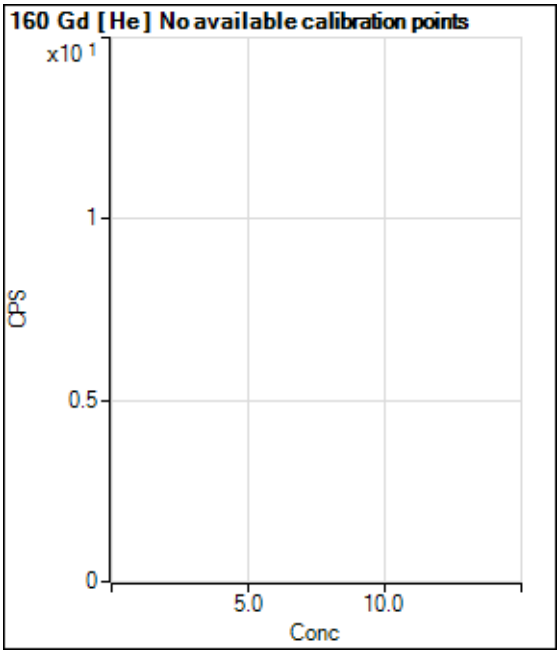
	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐			5.55		P	86.6
2	☐			16.67		P	86.6
3	☐			69.45		P	25.0
4	☐			111.12		P	4.3
5	☐			225.01		P	3.7
6	☐			561.13		P	11.1
7	☐			827.82		P	7.6
8	☐			2744.80		P	9.1



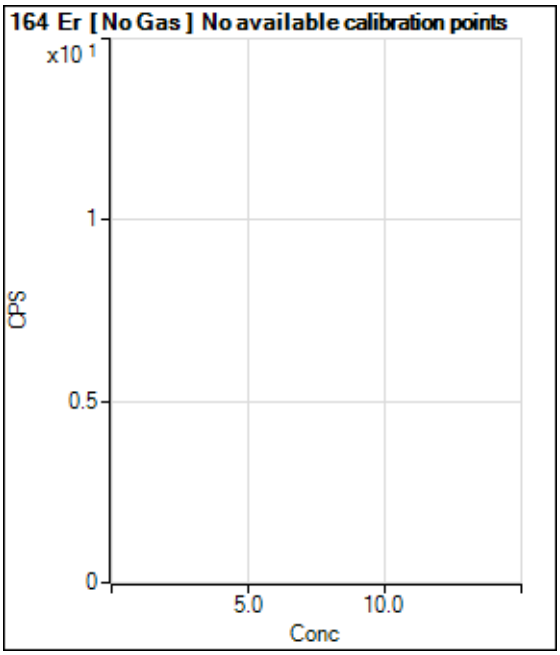
	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐			6.67		P	100.
2	☐			6.66		P	86.6
3	☐			53.33		P	25.0
4	☐			120.00		P	14.7
5	☐			174.45		P	14.1
6	☐			325.56		P	7.3
7	☐			662.25		P	11.3
8	☐			1636.78		P	7.4



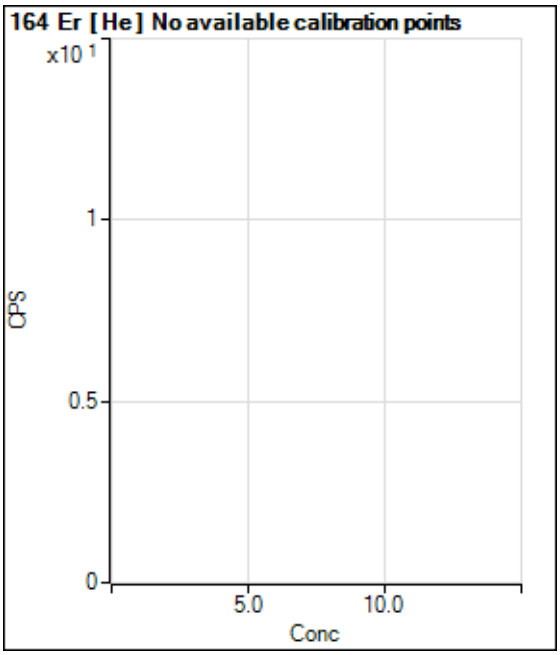
	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐			175.00		P	34.3
2	☐			133.34		P	38.0
3	☐			130.56		P	9.8
4	☐			222.23		P	9.4
5	☐			286.12		P	11.8
6	☐			405.57		P	21.1
7	☐			750.04		P	6.7
8	☐			2558.64		P	9.2



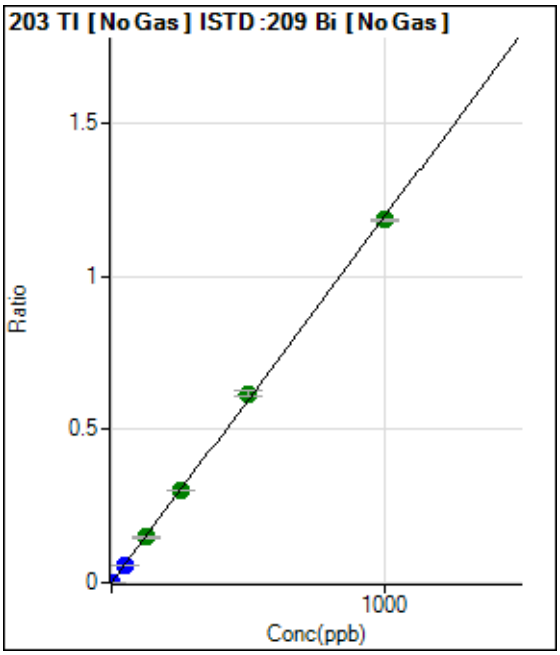
	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐			311.12		P	2.7
2	☐			306.67		P	4.3
3	☐			303.34		P	9.4
4	☐			396.68		P	3.7
5	☐			373.34		P	3.6
6	☐			405.56		P	10.4
7	☐			674.47		P	8.4
8	☐			1723.46		P	1.9



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐			177.78		P	19.5
2	☐			119.45		P	10.7
3	☐			147.23		P	22.9
4	☐			205.56		P	16.9
5	☐			236.12		P	8.9
6	☐			277.79		P	9.2
7	☐			358.35		P	28.3
8	☐			511.14		P	5.0



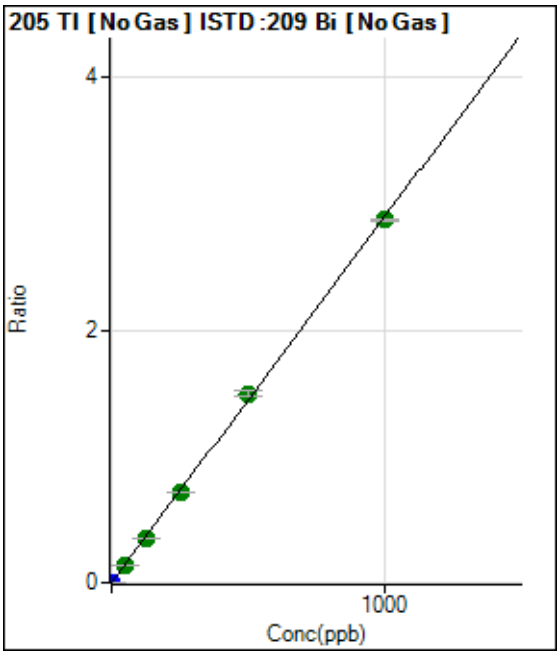
	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐			102.22		P	10.0
2	☐			77.78		P	34.4
3	☐			91.11		P	27.7
4	☐			93.34		P	12.4
5	☐			116.67		P	12.5
6	☐			130.00		P	11.7
7	☐			223.34		P	13.3
8	☐			290.00		P	11.0



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	3656.14	0.0002	P	4.6
2	☐	1.000	0.827	20120.93	0.0012	P	4.1
3	☐	50.000	46.368	942741.12	0.0556	P	0.6
4	☐	125.000	123.322	2326543.82	0.1475	A	0.3
5	☐	250.000	251.531	4769654.97	0.3006	A	0.7
6	☐	500.000	517.427	8922936.57	0.6181	A	2.7
7	☐	1000.000	991.296	16952538.75	1.1841	A	0.5
8	☐			7627.30	0.0006	P	3.7

y = 0.0012 * x + 2.1691E-004
R = 0.9998
DL = 0.0249

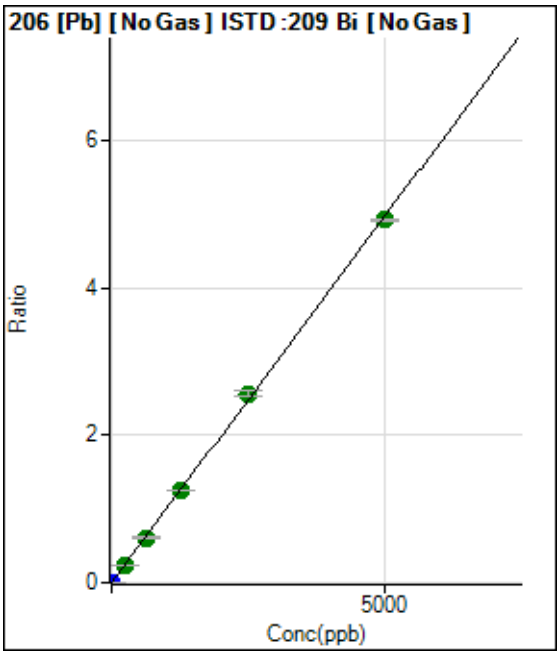
Weight: <None>
Min Conc: 0



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	9036.59	0.0005	P	2.6
2	☐	1.000	0.838	49468.21	0.0030	P	0.0
3	☐	50.000	48.037	2365694.13	0.1395	A	1.0
4	☐	125.000	122.923	5618662.67	0.3562	A	0.5
5	☐	250.000	248.080	11398284.19	0.7183	A	0.6
6	☐	500.000	517.305	21613461.60	1.4973	A	2.7
7	☐	1000.000	992.185	41108022.79	2.8713	A	0.6
8	☐			18054.03	0.0014	P	7.1

y = 0.0029 * x + 5.3594E-004
R = 0.9998
DL = 0.01454

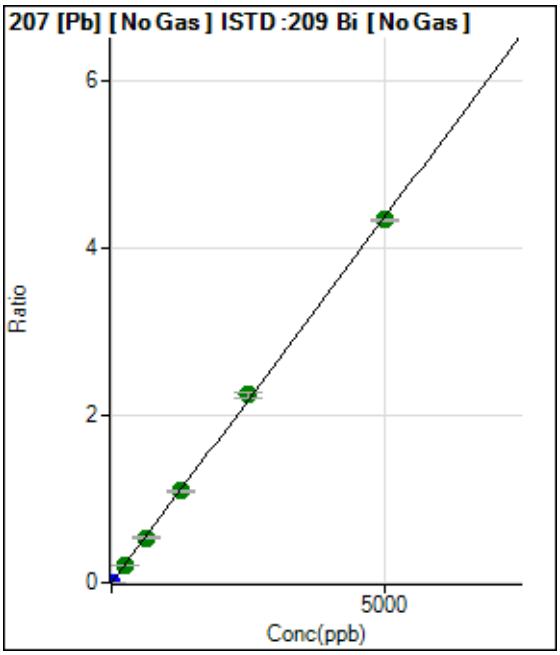
Weight: <None>
Min Conc: 0



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	1889.06	0.0001	P	6.1
2	☐	1.000	0.845	15878.05	0.0010	P	4.2
3	☐	250.000	244.581	4117440.05	0.2428	A	0.5
4	☐	625.000	616.608	9653011.32	0.6120	A	0.4
5	☐	1250.000	1253.173	19734373.13	1.2436	A	0.7
6	☐	2500.000	2586.732	37054371.66	2.5669	A	2.8
7	☐	5000.000	4957.161	70424980.28	4.9191	A	0.7
8	☐			32429.63	0.0026	P	4.0

y = 9.9229E-004 * x + 1.1191E-004
R = 0.9998
DL = 0.02057

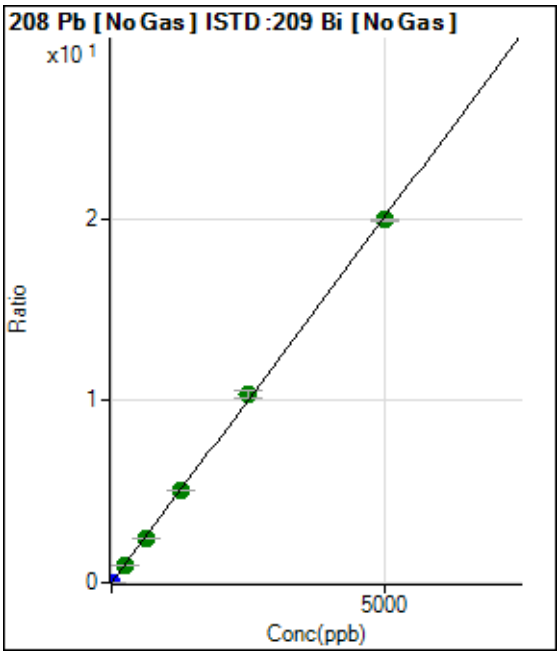
Weight: <None>
Min Conc: 0



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	1605.68	0.0001	P	6.6
2	☐	1.000	0.867	14237.32	0.0009	P	3.7
3	☐	250.000	245.653	3637623.32	0.2145	A	0.9
4	☐	625.000	616.450	8487335.37	0.5381	A	0.8
5	☐	1250.000	1253.082	17351967.17	1.0937	A	0.5
6	☐	2500.000	2568.761	32356790.77	2.2419	A	3.4
7	☐	5000.000	4966.135	62049744.44	4.3341	A	0.8
8	☐			28142.31	0.0023	P	3.8

y = 8.7270E-004 * x + 9.5189E-005
R = 0.9999
DL = 0.0216

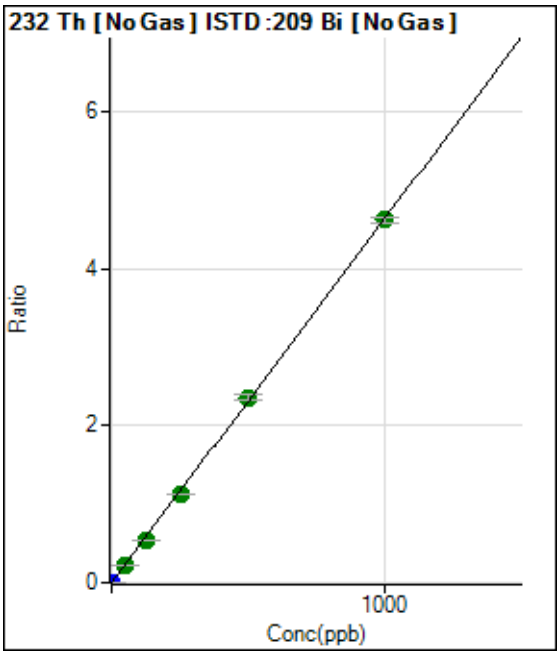
Weight: <None>
Min Conc: 0



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	7347.20	0.0004	P	1.7
2	☐	1.000	0.857	64735.59	0.0039	P	1.5
3	☐	250.000	243.752	16601294.93	0.9789	A	0.5
4	☐	625.000	613.754	38867130.49	2.4641	A	0.9
5	☐	1250.000	1250.681	79664340.33	5.0207	A	0.1
6	☐	2500.000	2574.048	149129516.06	10.3328	A	3.5
7	☐	5000.000	4964.524	285318092.95	19.9283	A	0.6
8	☐			129667.29	0.0104	P	3.0

y = 0.0040 * x + 4.3553E-004
R = 0.9998
DL = 0.005384

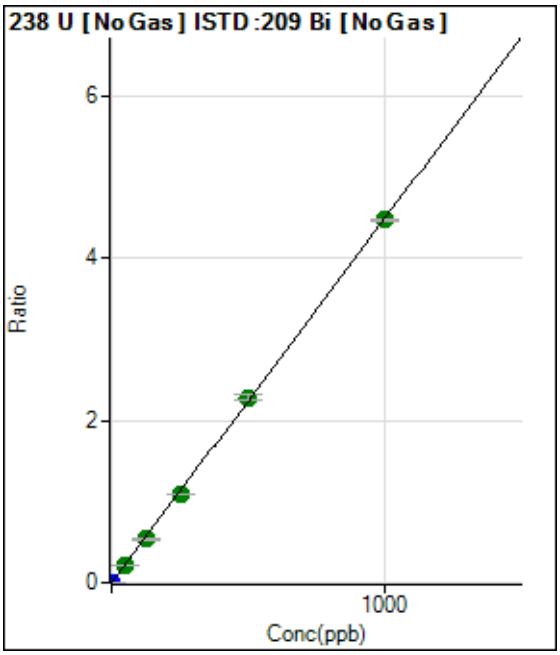
Weight: <None>
Min Conc: 0



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	429.65	0.0000	P	4.3
2	☐	1.000	0.770	60093.88	0.0036	P	2.0
3	☐	50.000	46.503	3656010.27	0.2156	A	0.5
4	☐	125.000	118.374	8654865.01	0.5487	A	0.8
5	☐	250.000	243.872	17932599.71	1.1304	A	1.3
6	☐	500.000	509.521	34089620.67	2.3617	A	2.8
7	☐	1000.000	997.775	66205059.81	4.6248	A	1.3
8	☐			7457.77	0.0006	P	14.0

y = 0.0046 * x + 2.5486E-005
R = 0.9999
DL = 0.000709

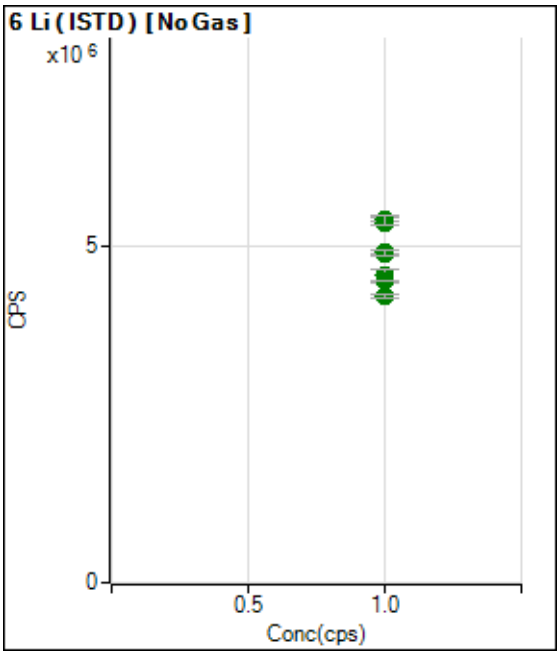
Weight: <None>
Min Conc: 0



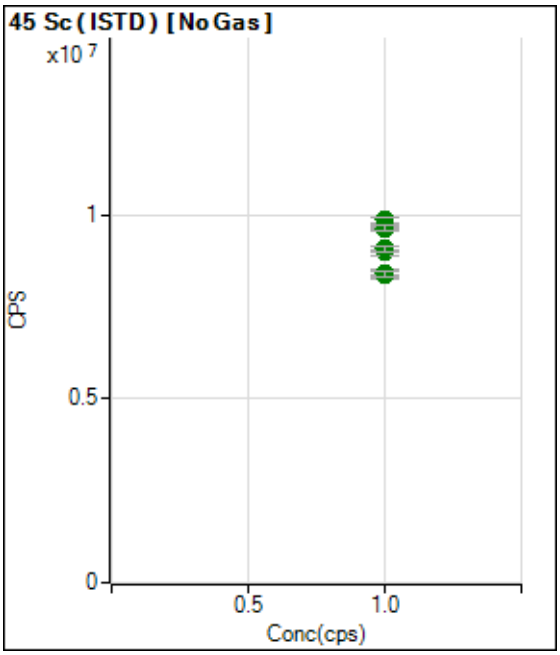
	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	125.01	0.0000	P	11.0
2	☐	1.000	0.793	59554.12	0.0036	P	0.5
3	☐	50.000	47.136	3585542.18	0.2114	A	0.3
4	☐	125.000	119.070	8424323.45	0.5341	A	0.6
5	☐	250.000	244.189	17375574.69	1.0952	A	1.0
6	☐	500.000	509.723	33001934.07	2.2862	A	2.6
7	☐	1000.000	997.476	64054377.82	4.4739	A	0.6
8	☐			6599.07	0.0005	P	14.9

y = 0.0045 * x + 7.4092E-006
R = 0.9999
DL = 0.0005433

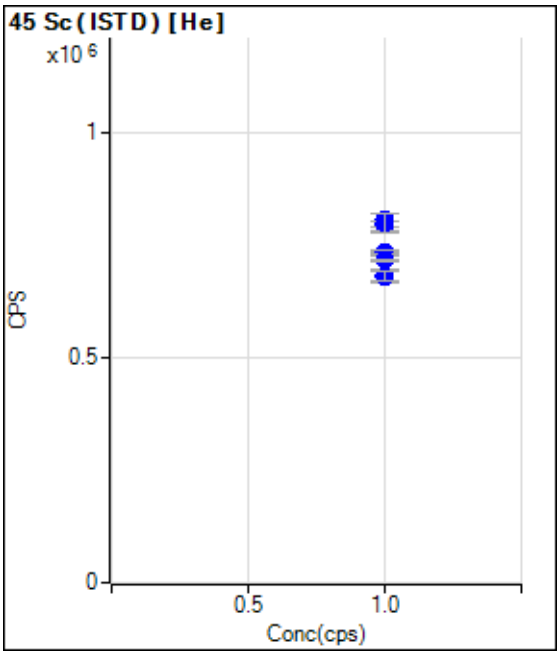
Weight: <None>
Min Conc: 0



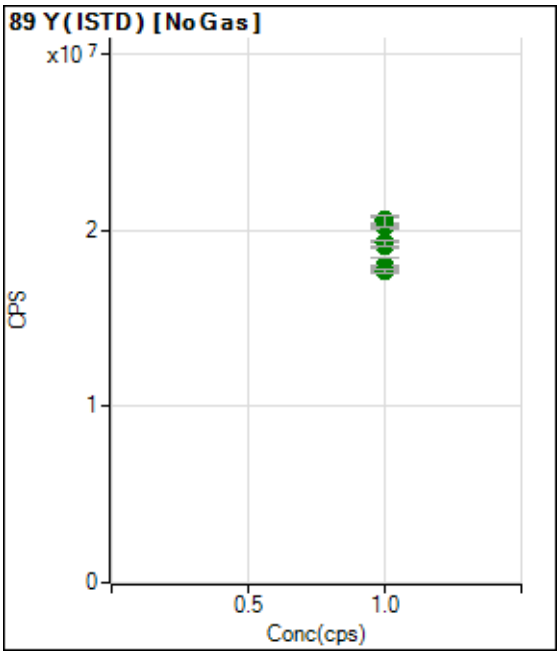
	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		5360385.47		A	1.8
2	☐	1.000		5338939.71		A	1.5
3	☐	1.000		5384670.51		A	2.3
4	☐	1.000		4884969.65		A	0.2
5	☐	1.000		4903737.04		A	1.6
6	☐	1.000		4564717.47		A	4.3
7	☐	1.000		4482523.30		A	0.5
8	☐	1.000		4244397.47		A	1.2



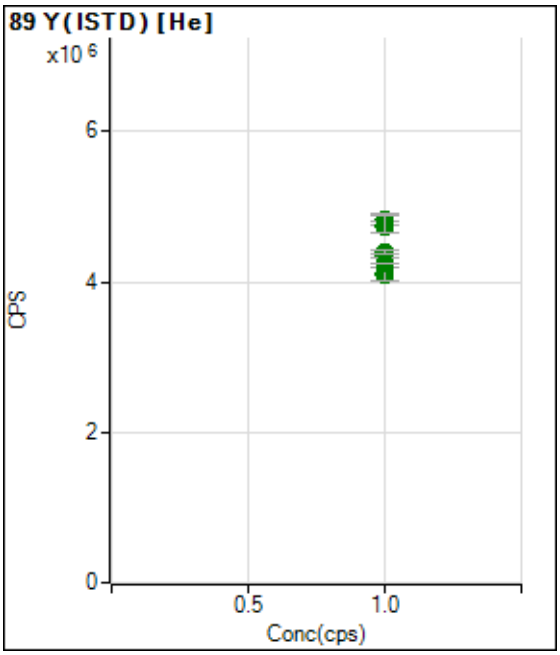
	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		9871466.10		A	1.9
2	☐	1.000		9657252.78		A	0.5
3	☐	1.000		9639968.88		A	1.6
4	☐	1.000		8976116.32		A	1.3
5	☐	1.000		9096104.03		A	1.7
6	☐	1.000		8403238.00		A	3.4
7	☐	1.000		8358823.07		A	0.8
8	☐	1.000		8404798.28		A	1.8



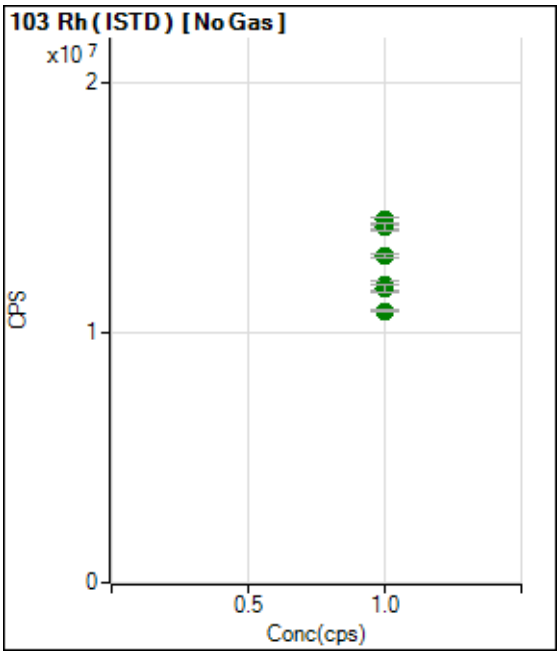
	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		806835.87		P	3.5
2	☐	1.000		793965.06		P	2.3
3	☐	1.000		798694.29		P	5.1
4	☐	1.000		730383.69		P	0.9
5	☐	1.000		737051.65		P	1.2
6	☐	1.000		682735.15		P	4.1
7	☐	1.000		681512.97		P	3.2
8	☐	1.000		716515.75		P	0.8



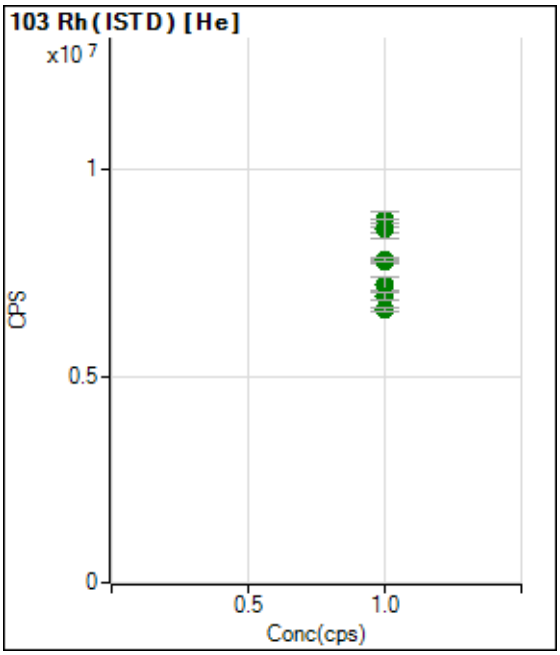
	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		20571292.19		A	1.5
2	☐	1.000		20196351.78		A	1.0
3	☐	1.000		20494058.86		A	2.8
4	☐	1.000		19112567.77		A	1.6
5	☐	1.000		19261899.57		A	1.4
6	☐	1.000		17997054.45		A	4.3
7	☐	1.000		17921983.62		A	0.9
8	☐	1.000		17684159.46		A	1.0



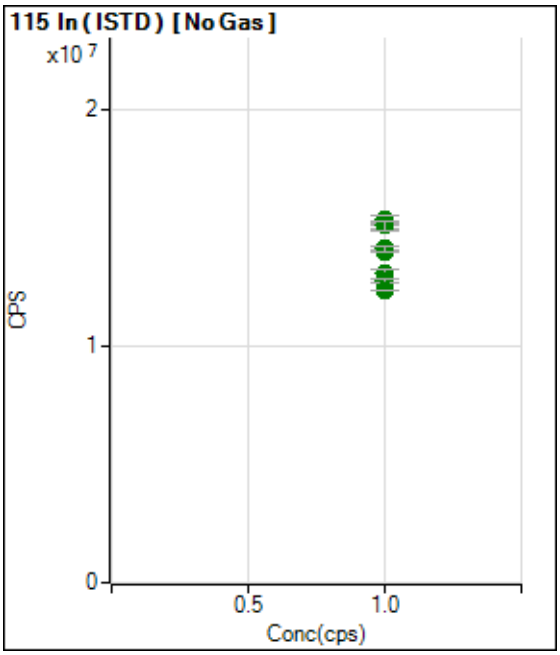
	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		4823902.98		A	3.1
2	☐	1.000		4722357.85		A	3.2
3	☐	1.000		4763911.70		A	4.9
4	☐	1.000		4348036.74		A	1.0
5	☐	1.000		4404343.89		A	1.4
6	☐	1.000		4104077.30		A	4.5
7	☐	1.000		4103349.18		A	4.2
8	☐	1.000		4239764.34		A	0.3



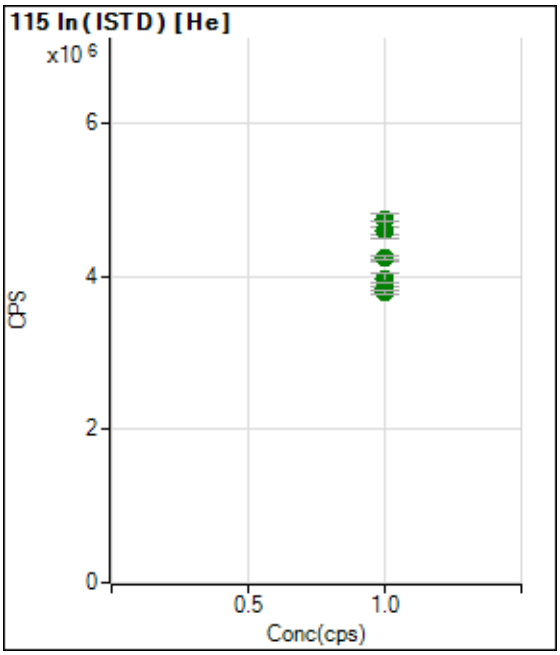
	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		14519200.62		A	1.6
2	☐	1.000		14217614.09		A	1.3
3	☐	1.000		14222198.96		A	2.1
4	☐	1.000		13082101.75		A	1.5
5	☐	1.000		13077539.80		A	1.0
6	☐	1.000		11921400.38		A	3.3
7	☐	1.000		11788432.60		A	2.4
8	☐	1.000		10886181.02		A	0.8



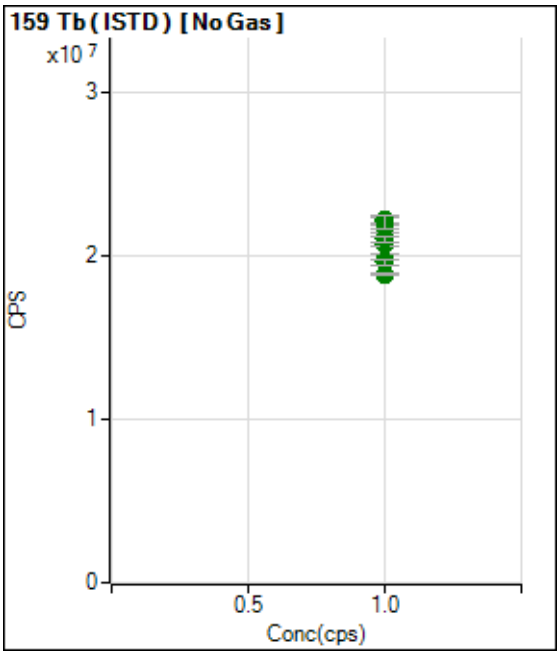
	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		8792144.45		A	4.4
2	☐	1.000		8579475.63		A	2.7
3	☐	1.000		8570276.12		A	5.4
4	☐	1.000		7791307.52		A	1.1
5	☐	1.000		7820929.19		A	1.2
6	☐	1.000		7239493.85		A	4.6
7	☐	1.000		6944895.73		A	2.5
8	☐	1.000		6598668.58		A	1.4



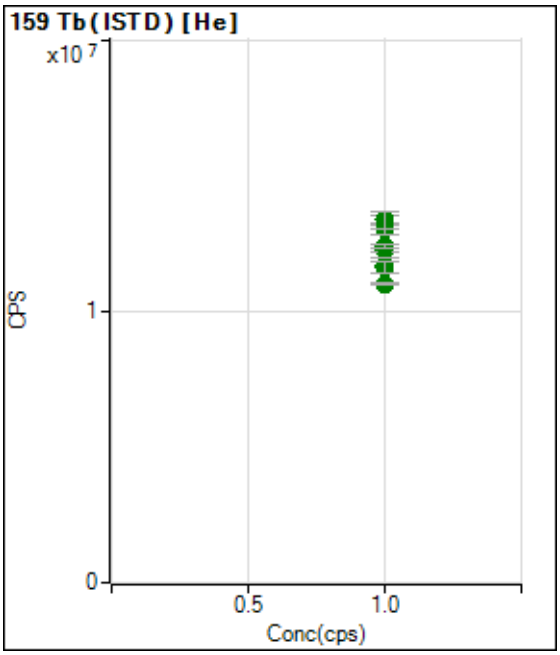
	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		15327990.81		A	2.3
2	☐	1.000		15083583.41		A	1.6
3	☐	1.000		15088292.96		A	2.5
4	☐	1.000		14007943.71		A	1.0
5	☐	1.000		14116146.74		A	1.6
6	☐	1.000		13041588.26		A	3.3
7	☐	1.000		12735845.70		A	1.2
8	☐	1.000		12350322.73		A	0.6



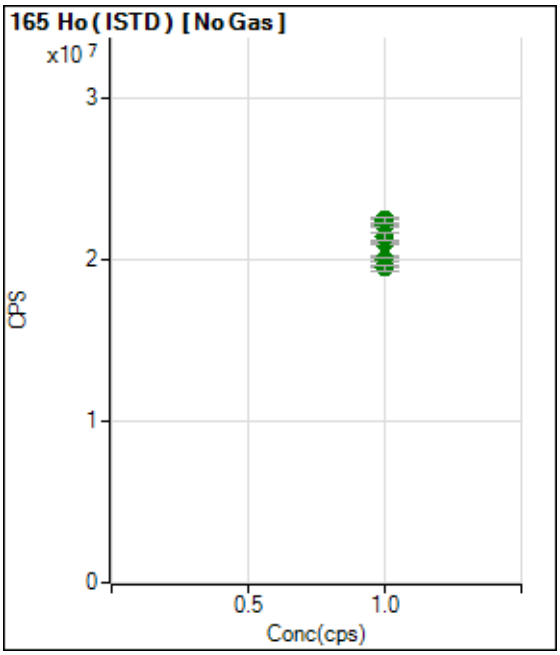
	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		4744786.41		A	3.5
2	☐	1.000		4606220.25		A	2.3
3	☐	1.000		4606665.10		A	4.9
4	☐	1.000		4239856.91		A	1.6
5	☐	1.000		4253133.22		A	0.8
6	☐	1.000		3967131.58		A	4.7
7	☐	1.000		3846311.11		A	3.5
8	☐	1.000		3794236.76		A	1.1



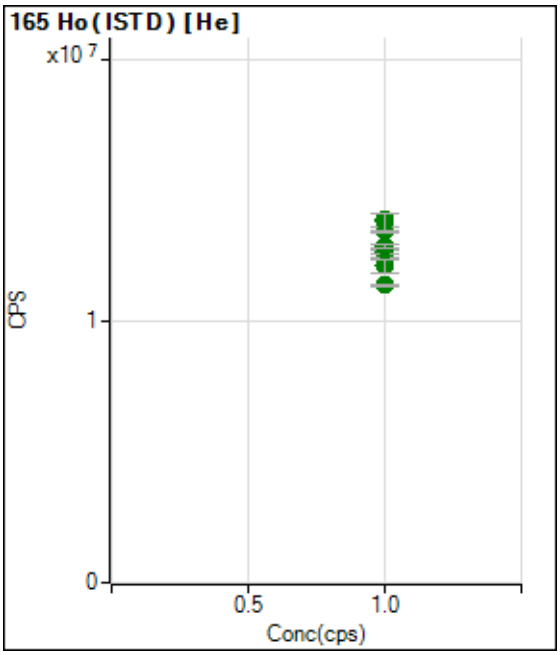
	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		22155238.56		A	1.7
2	☐	1.000		21616995.79		A	2.1
3	☐	1.000		22019086.34		A	3.3
4	☐	1.000		20687284.14		A	1.4
5	☐	1.000		20976606.22		A	1.6
6	☐	1.000		19717032.76		A	3.8
7	☐	1.000		19587965.96		A	1.7
8	☐	1.000		18833700.00		A	0.7



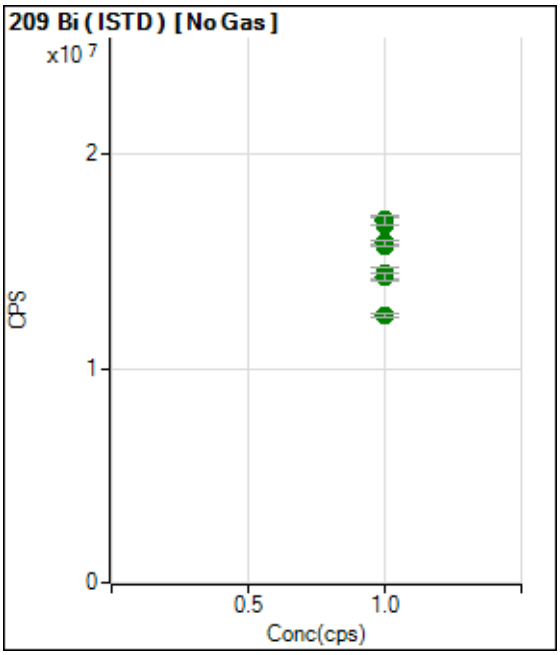
	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		13364335.50		A	2.7
2	☐	1.000		13043880.92		A	3.1
3	☐	1.000		13354058.13		A	5.0
4	☐	1.000		12287687.59		A	1.2
5	☐	1.000		12398778.15		A	1.6
6	☐	1.000		11703340.66		A	4.8
7	☐	1.000		11631186.91		A	3.7
8	☐	1.000		11000104.77		A	0.3



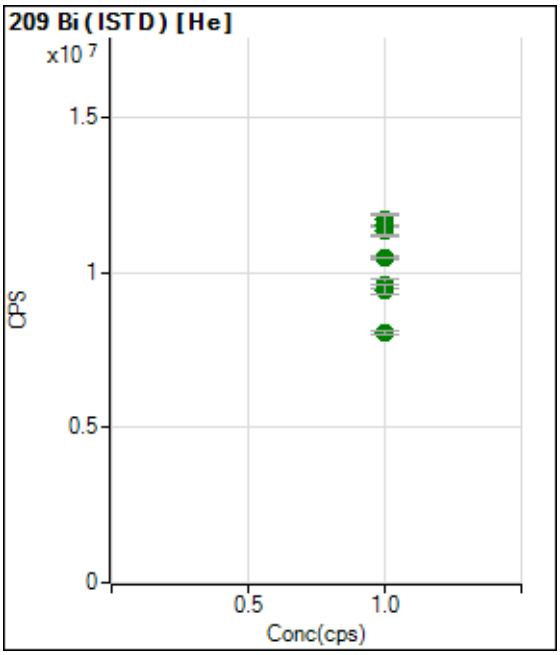
	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		22318508.84		A	1.6
2	☐	1.000		22134233.00		A	1.1
3	☐	1.000		22437830.50		A	1.8
4	☐	1.000		21024468.16		A	0.7
5	☐	1.000		21388450.79		A	2.4
6	☐	1.000		19908405.68		A	3.7
7	☐	1.000		19964514.56		A	0.8
8	☐	1.000		19446153.32		A	1.4



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		13894238.96		A	3.9
2	☐	1.000		13505252.02		A	2.0
3	☐	1.000		13817116.46		A	5.0
4	☐	1.000		12689768.70		A	1.0
5	☐	1.000		12865675.78		A	1.2
6	☐	1.000		12129773.71		A	4.7
7	☐	1.000		12140995.79		A	4.3
8	☐	1.000		11388344.00		A	0.5



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		16865905.72		A	2.2
2	☐	1.000		16707810.86		A	0.1
3	☐	1.000		16958637.25		A	2.7
4	☐	1.000		15773893.24		A	0.5
5	☐	1.000		15866950.74		A	2.2
6	☐	1.000		14444478.26		A	3.8
7	☐	1.000		14318572.56		A	2.7
8	☐	1.000		12501962.59		A	1.4



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		11700582.46		A	3.3
2	☐	1.000		11320590.11		A	2.5
3	☐	1.000		11533739.83		A	5.0
4	☐	1.000		10480451.30		A	1.2
5	☐	1.000		10486195.47		A	0.4
6	☐	1.000		9636150.20		A	3.5
7	☐	1.000		9431207.43		A	3.3
8	☐	1.000		8074473.14		A	1.2

US EPA Tune Check Sample Report

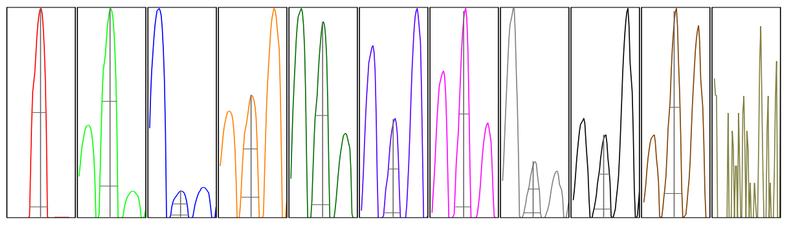
Batch Folder C:\Agilent\ICPMH\1\DATA\P7122821 MS1.b
Report Comment
Instrument Name G8403A JP14410463

[No Gas]

Mass	Count (Mean)	RSD% (Actual)	RSD% (Required)	RSD% (Flag)
9	17961	1.75	5.00	
24	149993	2.24	5.00	
25	19730	1.72	5.00	
26	22199	2.06	5.00	
59	35836	1.76	5.00	
113	19757	2.41	5.00	
115	57613	3.78	5.00	
206	34570	1.60	5.00	
207	30334	1.56	5.00	
208	72416	1.42	5.00	
220	0	52.70		

Mass	Replicate 1 Count	Replicate 2 Count	Replicate 3 Count	Replicate 4 Count	Replicate 5 Count
9	18351	18123	17507	17851	17975
24	152323	152205	144177	150416	150841
25	20047	19926	19166	19740	19769
26	22753	22422	21516	22096	22209
59	36569	36136	34890	35602	35982
113	20358	19908	19033	19717	19771
115	60539	59245	55498	56749	56033
206	35119	34811	33660	34520	34739
207	30884	30495	29589	30286	30418
208	73655	72861	70843	72471	72249
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	31296	9.00	8.9 - 9.1		0.784	0.900	
24	247165	23.95	23.9 - 24.1		0.798	0.900	
25	31721	24.95	24.9 - 25.1		0.789	0.900	
26	36360	25.95	25.9 - 26.1		0.798	0.900	
59	65894	59.00	58.9 - 59.1		0.798	0.900	
113	40788	113.00	112.9 - 113.1		0.727	0.900	
115	122109	115.00	114.9 - 115.1		0.724	0.900	
206	68660	205.95	205.9 - 206.1		0.746	0.900	
207	57892	206.95	206.9 - 207.1		0.753	0.900	
208	145577	207.95	207.9 - 208.1		0.784	0.900	
220	0	219.75	-		0.225		

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	0.76	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	rps	Makeup/Dilution Gas	0.42	L/min

Lenses Parameters

ParameterName	Value	Unit	ParameterName	Value	Unit	ParameterName	Value	Unit
Extract 1	0.0	V	Omega Lens	9.2	V	Deflect	12.6	V
Extract 2	-175.0	V	Cell Entrance	-30	V	Plate Bias	-35	V
Omega Bias	-85	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	200	V			

[He]

Mass	Count (Mean)	RSD% (Actual)	RSD% (Required)
59	12905	1.96	
89	55235	1.47	
205	87324	2.24	

Mass	Replicate 1 Count	Replicate 2 Count	Replicate 3 Count	Replicate 4 Count	Replicate 5 Count
59	12463	13040	13073	13025	12925
89	53848	55494	56002	55463	55366
205	84258	87891	88863	86621	88987

Integration Time [sec] = 0.1

Tune Parameters
Plasma Paramters

ParameterName	Value	Unit	ParameterName	Value	Unit	ParameterName	Value	Unit
RF Power	1600	W	Carrier Gas	0.76	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	rps	Makeup/Dilution Gas	0.42	L/min

Lenses Parameters

ParameterName	Value	Unit	ParameterName	Value	Unit	ParameterName	Value	Unit
Extract 1	0.0	V	Omega Lens	11.0	V	Deflect	2.6	V
Extract 2	-190.0	V	Cell Entrance	-40	V	Plate Bias	-60	V
Omega Bias	-105	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	170	V			