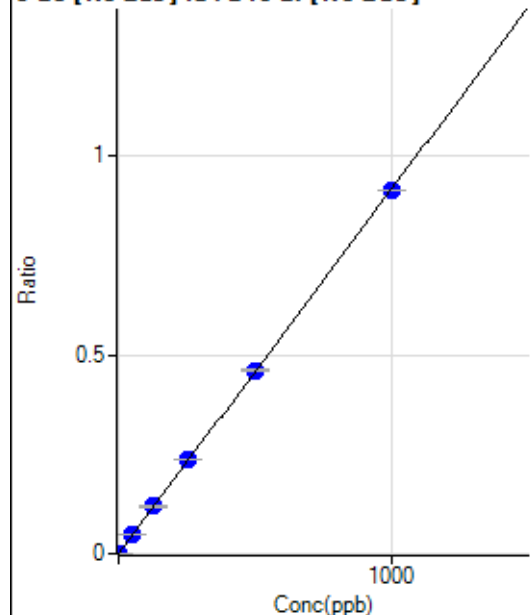


Batch Folder: D:\ICP-MS Data\P7072219.b\
Analysis File: P7072219.batch.bin
DA Date-Time: 2019-07-22 17:29:35
Calibration Title:
Calibration Method: External Calibration
VIS Interpolation Fit:

Level	Standard Data File	Sample Name	Acq. Date-Time
1	003CALB.d	S00	2019-07-22 16:45:58
2			
3	005CALS.d	S02	2019-07-22 16:53:48
4	006CALS.d	S03	2019-07-22 16:58:00
5	007CALS.d	S04	2019-07-22 17:02:12
6	008CALS.d	S05	2019-07-22 17:06:24
7	009CALS.d	S06	2019-07-22 17:10:35
8	010CALS.d	S07	2019-07-22 17:14:43
9	011CALS.d	S08	2019-07-22 17:18:49

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	20.00	0.0000	P	34.0
2	☐	0.100					
3	☐	1.000	1.020	673.36	0.0010	P	7.8
4	☐	50.000	52.483	34593.92	0.0481	P	2.0
5	☐	125.000	129.318	81697.99	0.1184	P	1.4
6	☐	250.000	259.578	155969.61	0.2377	P	0.5
7	☐	500.000	502.858	298139.18	0.4605	P	1.3
8	☐	1000.000	995.513	575072.98	0.9116	P	0.1
9	☐			92.22	0.0002	P	52.1

$$y = 9.1568\text{E-}004 * x + 2.9280\text{E-}005$$

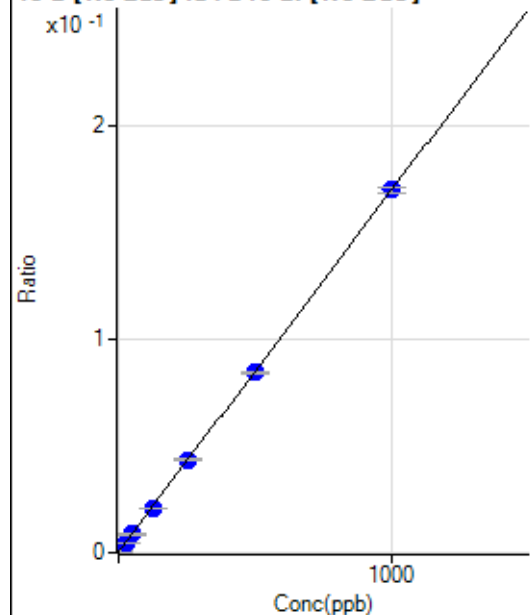
$$R = 0.9999$$

$$DL = 0.03258$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	277.79	0.0004	P	22.7
2	☐	2.500					
3	☐	25.000	23.800	3105.99	0.0044	P	1.5
4	☐	50.000	49.063	6279.31	0.0087	P	6.0
5	☐	125.000	121.659	14510.26	0.0210	P	1.1
6	☐	250.000	254.388	28566.73	0.0435	P	3.2
7	☐	500.000	496.570	54786.30	0.0846	P	1.3
8	☐	1000.000	1001.112	107340.34	0.1702	P	1.4
9	☐			6023.65	0.0101	P	7.4

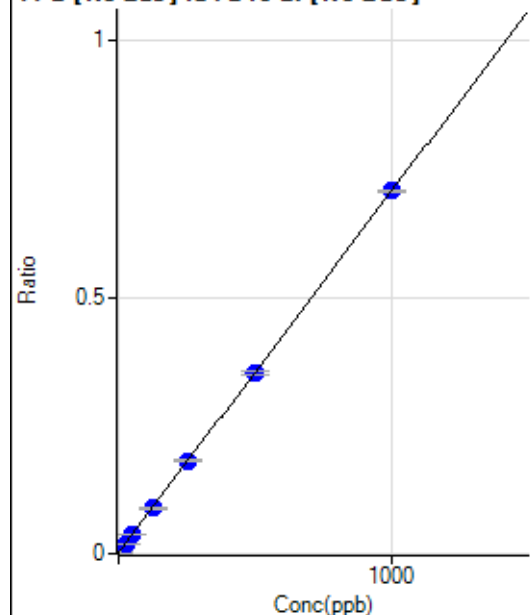
$$y = 1.6957\text{E-}004 * x + 4.0702\text{E-}004$$

$$R = 1.0000$$

$$DL = 1.635$$

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	1241.77	0.0018	P	9.6
2	☐	2.500					
3	☐	25.000	24.011	13092.20	0.0187	P	1.9
4	☐	50.000	49.742	26512.95	0.0368	P	0.3
5	☐	125.000	122.759	60890.52	0.0883	P	1.4
6	☐	250.000	253.375	118258.24	0.1803	P	1.7
7	☐	500.000	497.021	227787.35	0.3518	P	2.3
8	☐	1000.000	1000.964	445831.83	0.7067	P	0.4
9	☐			23797.36	0.0398	P	4.9

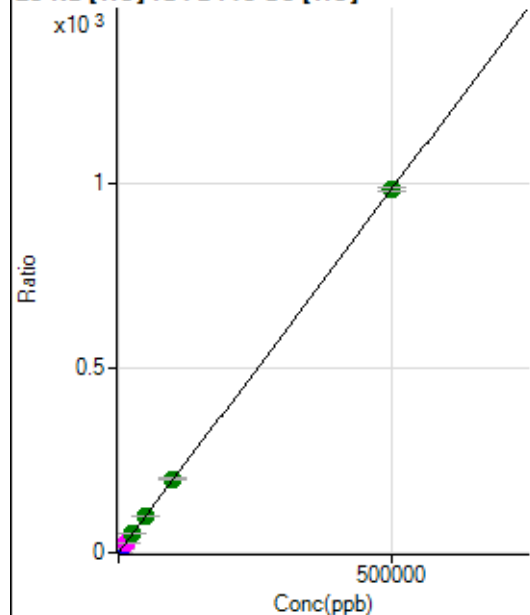
$$y = 7.0424\text{E-}004 * x + 0.0018$$

$$R = 1.0000$$

$$DL = 0.7456$$

Weight: <None>

Min Conc: 0

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

	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	4976.00	0.0699	P	6.8
2	☐	50.000					
3	☐	500.000	533.469	81024.29	1.1209	P	0.3
4	☐	5000.000	5556.483	766728.14	11.0162	P	0.9
5	☐	12500.000	12925.626	1729203.01	25.5335	M	2.8
6	☐	25000.000	27058.443	3338506.56	53.3752	A	2.0
7	☐	50000.000	50854.128	6579224.84	100.2528	A	2.0
8	☐	100000.00	101358.27	13090311.58	199.7463	A	1.7
9	☐	500000.00	499523.77	63457454.89	984.1344	A	1.2

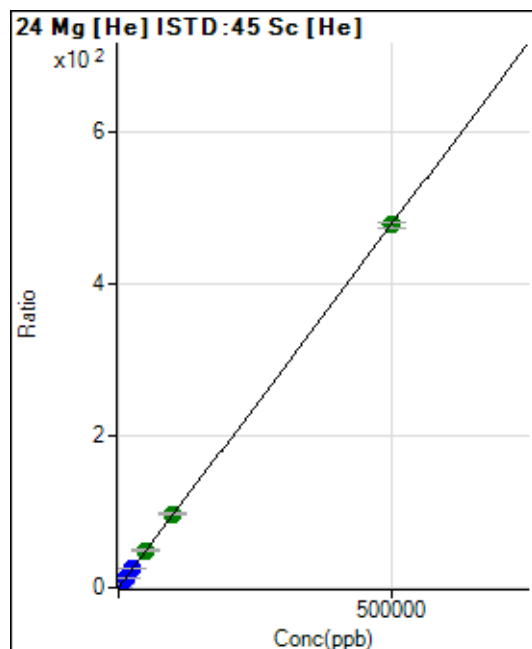
$$y = 0.0020 * x + 0.0699$$

$$R = 1.0000$$

$$DL = 7.205$$

Weight: <None>

Min Conc: 0



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	25.00	0.0004	P	57.9
2	☐	50.000					
3	☐	500.000	565.608	39071.25	0.5405	P	1.1
4	☐	5000.000	5730.596	380937.05	5.4733	P	1.0
5	☐	12500.000	13402.359	866880.02	12.8001	P	2.5
6	☐	25000.000	27480.325	1641658.16	26.2450	P	1.5
7	☐	50000.000	51031.759	3198305.95	48.7374	A	2.4
8	☐	100000.00	101282.13	6338449.06	96.7283	A	2.5
9	☐	500000.00	499486.44	30757005.55	477.0272	A	1.7

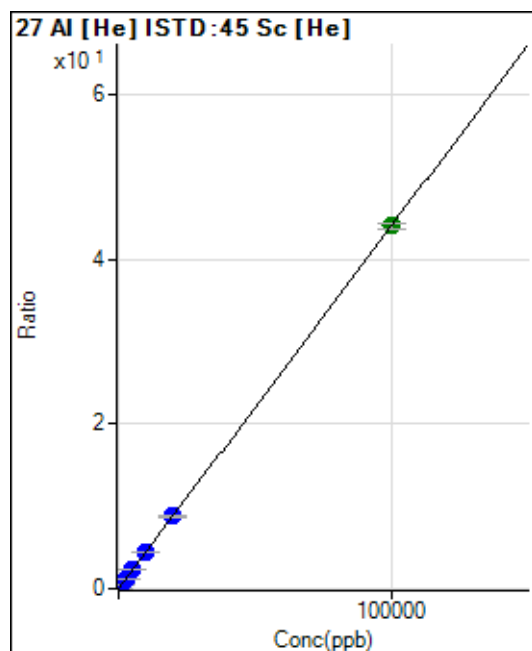
$$y = 9.5503\text{E-}004 * x + 3.5195\text{E-}004$$

$$R = 1.0000$$

$$DL = 0.6406$$

Weight: <None>

Min Conc: 0



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	5.55	0.0001	P	86.6
2	☐	2.000					
3	☐	20.000	20.899	672.27	0.0093	P	8.5
4	☐	1000.000	1077.447	33098.62	0.4756	P	2.1
5	☐	2500.000	2588.596	77375.11	1.1425	P	2.5
6	☐	5000.000	5406.833	149265.14	2.3863	P	1.4
7	☐	10000.000	9990.159	289324.82	4.4090	P	2.7
8	☐	20000.000	19944.415	576837.75	8.8021	P	1.8
9	☐	100000.00	99988.770	2845262.59	44.1278	A	1.5

$$y = 4.4133\text{E-}004 * x + 7.8258\text{E-}005$$

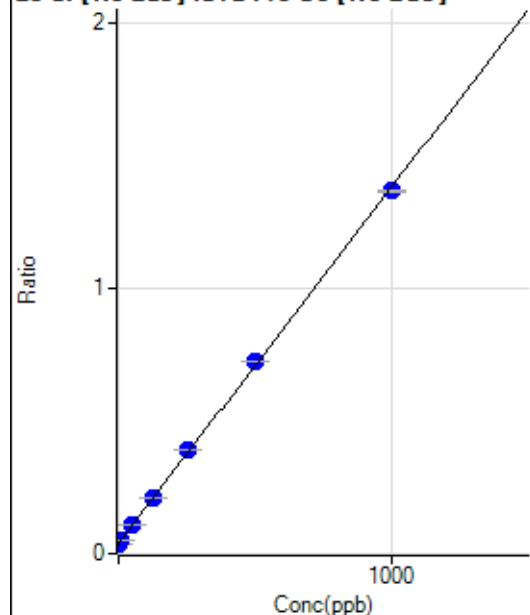
$$R = 1.0000$$

$$DL = 0.4607$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	50761.82	0.0395	P	1.2
2	☐	1.000					
3	☐	10.000	9.149	67072.81	0.0517	P	1.1
4	☐	50.000	51.358	140159.38	0.1082	P	1.0
5	☐	125.000	125.764	257034.91	0.2078	P	1.4
6	☐	250.000	263.001	445437.99	0.3915	P	0.5
7	☐	500.000	512.952	833781.65	0.7261	P	0.2
8	☐	1000.000	990.119	1550303.87	1.3647	P	0.7
9	☐			423021.98	0.3717	P	1.4

$$y = 0.0013 * x + 0.0395$$

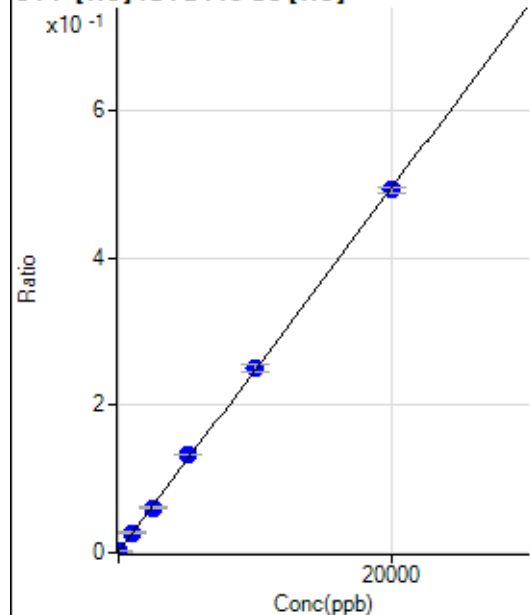
$$R = 0.9998$$

$$DL = 1.038$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	-16.906	58.33	0.0008	P	37.4
2	☐	0.000					
3	☐	0.000	16.906	119.45	0.0017	P	34.5
4	☐	1000.000	1039.340	1869.64	0.0269	P	4.1
5	☐	2500.000	2388.579	4072.94	0.0601	P	4.6
6	☐	5000.000	5339.890	8313.76	0.1329	P	1.7
7	☐	10000.000	10060.613	16359.59	0.2493	P	4.1
8	☐	20000.000	19896.681	32246.84	0.4919	P	1.5
9	☐			50.00	0.0008	P	32.4

$$y = 2.4659E-005 * x + 0.0012$$

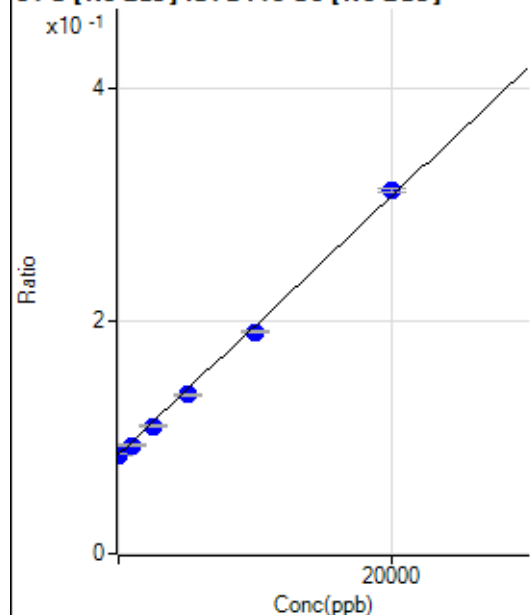
$$R = 0.9998$$

$$DL = 53.29$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	-50.400	108792.17	0.0846	P	1.0
2	☐	0.000					
3	☐	0.000	50.400	111176.59	0.0858	P	0.8
4	☐	1000.000	672.503	119977.28	0.0927	P	1.5
5	☐	2500.000	2154.564	134922.34	0.1091	P	1.8
6	☐	5000.000	4630.296	155343.17	0.1365	P	0.7
7	☐	10000.000	9492.360	218684.86	0.1904	P	1.4
8	☐	20000.000	20405.800	353761.42	0.3114	P	1.1
9	☐			88356.07	0.0776	P	3.5

$$y = 1.1087\text{E-}005 * x + 0.0852$$

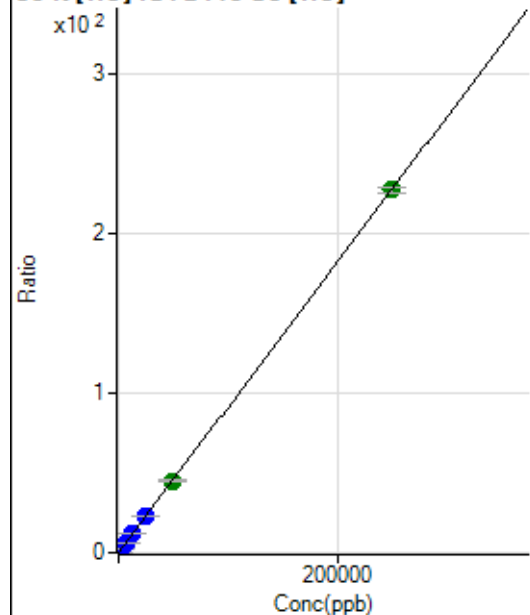
$$R = 0.9993$$

$$DL = 214.8$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	6076.47	0.0854	P	1.2
2	☐	50.000					
3	☐	500.000	530.917	41052.03	0.5679	P	1.2
4	☐	2500.000	2713.994	177617.65	2.5520	P	1.1
5	☐	6250.000	6453.340	403032.04	5.9505	P	1.7
6	☐	12500.000	13484.866	772000.02	12.3411	P	1.0
7	☐	25000.000	25231.916	1510572.48	23.0174	P	1.8
8	☐	50000.000	49314.473	2942828.30	44.9049	A	1.7
9	☐	250000.00	250057.38	14659063.52	227.3500	A	1.5

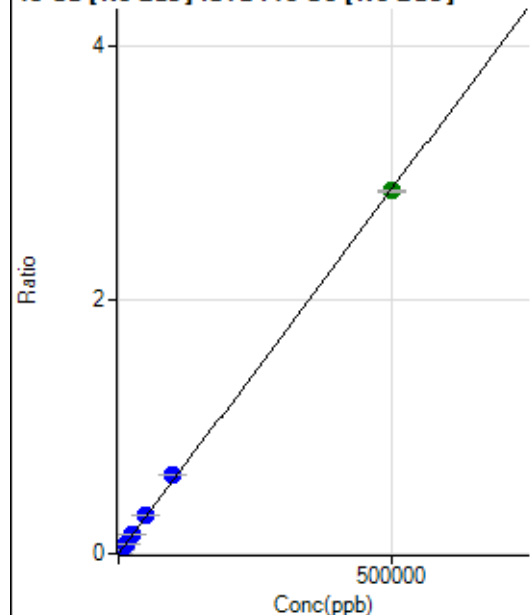
$$y = 9.0885\text{E-}004 * x + 0.0854$$

$$R = 1.0000$$

$$DL = 3.411$$

Weight: <None>

Min Conc: 0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	27.78	0.0000	P	34.8
2	☐	50.000					
3	☐	500.000	503.257	3770.07	0.0029	P	1.1
4	☐	5000.000	5156.023	38322.80	0.0296	P	0.8
5	☐	12500.000	12907.778	91594.53	0.0741	P	0.6
6	☐	25000.000	27357.708	178543.56	0.1569	P	1.8
7	☐	50000.000	53140.508	350033.72	0.3048	P	0.4
8	☐	100000.00	107476.13	700326.29	0.6165	P	0.1
9	☐	500000.00	498061.07	3251363.55	2.8567	A	0.9

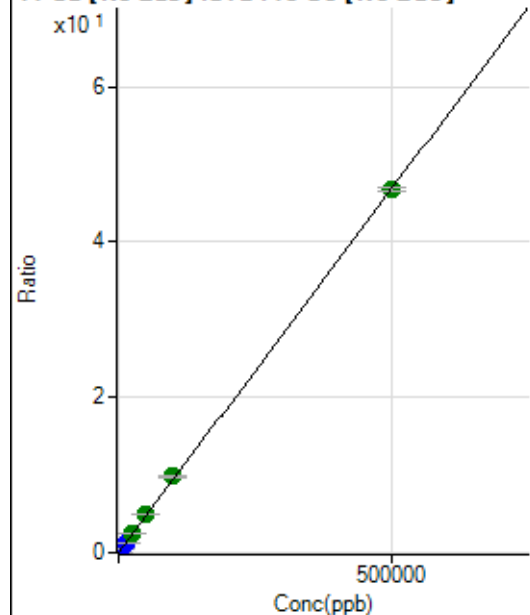
$$y = 5.7356\text{E-}006 * x + 2.1621\text{E-}005$$

$$R = 0.9999$$

$$DL = 3.933$$

Weight: <None>

Min Conc: 0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	2819.88	0.0022	P	4.0
2	☐	50.000					
3	☐	500.000	503.944	64002.95	0.0494	P	0.9
4	☐	5000.000	5177.537	630552.80	0.4869	P	0.7
5	☐	12500.000	12577.678	1459101.83	1.1797	P	0.7
6	☐	25000.000	26550.366	2830524.96	2.4878	A	0.7
7	☐	50000.000	51745.522	5565601.73	4.8466	A	0.6
8	☐	100000.00	104494.79	11115575.51	9.7849	A	0.5
9	☐	500000.00	498845.24	53156130.70	46.7036	A	0.9

$$y = 9.3619\text{E-}005 * x + 0.0022$$

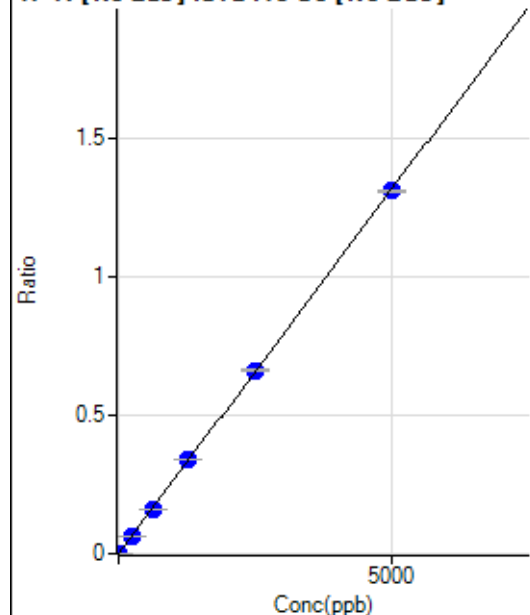
$$R = 1.0000$$

$$DL = 2.836$$

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	13.89	0.0000	P	91.8
2	☐	0.500					
3	☐	5.000	5.475	1883.54	0.0015	P	6.7
4	☐	250.000	249.240	85053.61	0.0657	P	0.7
5	☐	625.000	616.626	200939.57	0.1625	P	1.1
6	☐	1250.000	1295.707	388416.84	0.3414	P	0.8
7	☐	2500.000	2518.503	761973.26	0.6635	P	1.0
8	☐	5000.000	4980.406	1490574.91	1.3122	P	0.7
9	☐			402.80	0.0004	P	30.6

$$y = 2.6346E-004 * x + 1.0756E-005$$

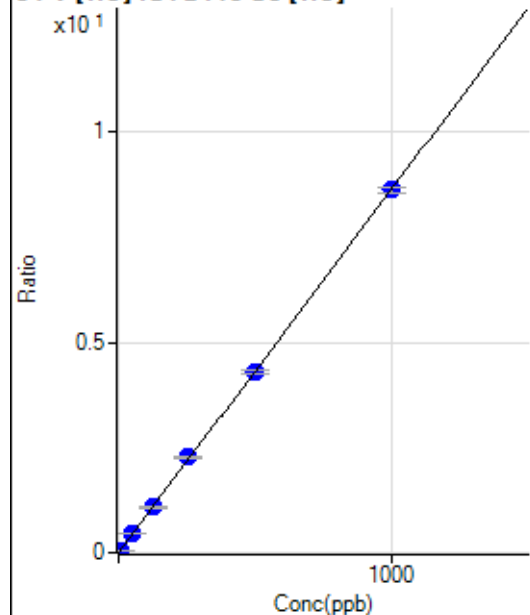
$$R = 0.9999$$

$$DL = 0.1124$$

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	0.00	0.0000	P	
2	☐	0.500					
3	☐	5.000	5.153	3214.85	0.0445	P	1.9
4	☐	50.000	52.285	31409.09	0.4513	P	0.9
5	☐	125.000	124.794	72953.46	1.0771	P	1.5
6	☐	250.000	262.337	141630.48	2.2642	P	1.5
7	☐	500.000	496.428	281203.03	4.2847	P	1.8
8	☐	1000.000	998.612	564869.90	8.6191	P	1.4
9	☐			102.22	0.0016	P	20.5

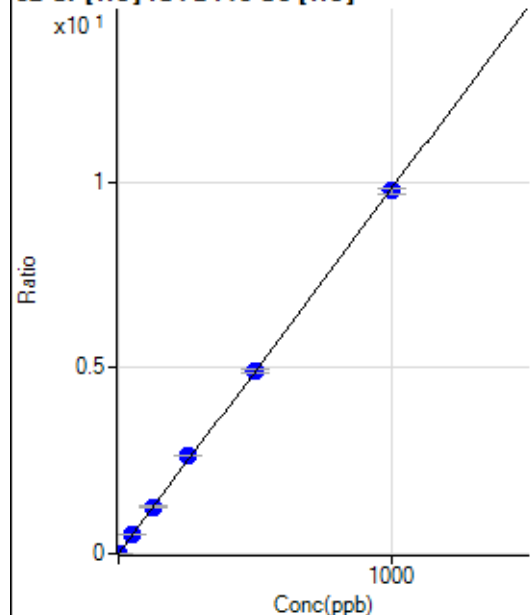
$$y = 0.0086 * x + 0.0000E+000$$

$$R = 0.9999$$

$$DL = 0$$

Weight: <None>

Min Conc: 0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	230.00	0.0032	P	16.1
2	☐	0.200					
3	☐	2.000	1.919	1595.67	0.0221	P	3.3
4	☐	50.000	53.032	36463.99	0.5239	P	0.7
5	☐	125.000	127.344	84892.48	1.2535	P	2.9
6	☐	250.000	267.639	164568.22	2.6308	P	1.1
7	☐	500.000	501.294	323211.78	4.9248	P	1.5
8	☐	1000.000	994.499	640094.40	9.7670	P	1.5
9	☐			11355.63	0.1761	P	1.9

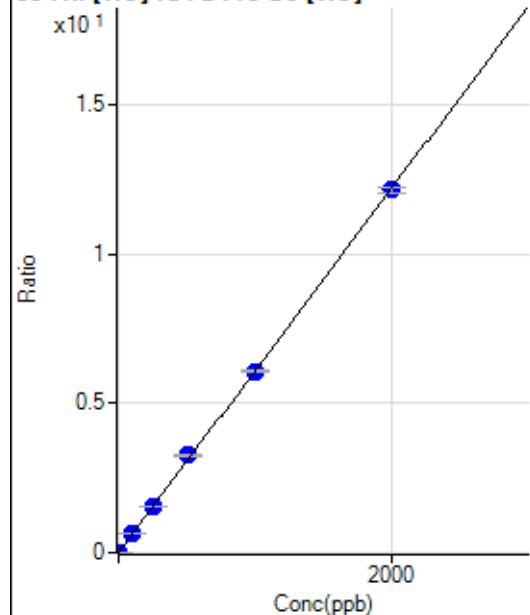
$$y = 0.0098 * x + 0.0032$$

$$R = 0.9998$$

$$DL = 0.1592$$

Weight: <None>

Min Conc: 0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	34.45	0.0005	P	38.7
2	☐	0.100					
3	☐	1.000	1.032	490.02	0.0068	P	6.2
4	☐	100.000	104.925	44551.77	0.6401	P	0.8
5	☐	250.000	252.080	104109.00	1.5372	P	2.0
6	☐	500.000	534.202	203746.66	3.2570	P	0.6
7	☐	1000.000	996.993	398893.09	6.0782	P	1.8
8	☐	2000.000	1992.447	796035.49	12.1465	P	1.6
9	☐			2319.11	0.0360	P	0.7

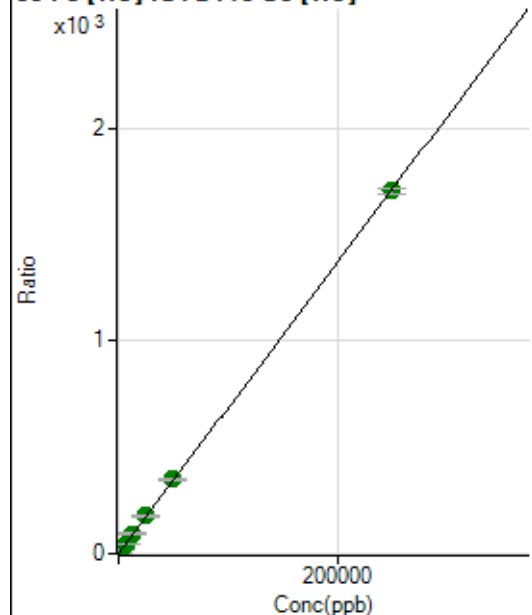
$$y = 0.0061 * x + 4.8354E-004$$

$$R = 0.9998$$

$$DL = 0.09208$$

Weight: <None>

Min Conc: 0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	1524.20	0.0214	P	4.9
2	☐	5.000					
3	☐	50.000	60.008	31224.43	0.4320	P	2.6
4	☐	2500.000	2760.587	1315938.56	18.9079	A	1.5
5	☐	6250.000	6583.488	3051951.92	45.0621	A	2.3
6	☐	12500.000	13861.422	5933339.89	94.8538	A	1.4
7	☐	25000.000	25954.382	11653369.24	177.5873	A	2.9
8	☐	50000.000	51409.927	23049587.09	351.7404	A	2.3
9	☐	250000.00	249543.56	110077696.9	1,707.264	A	1.7

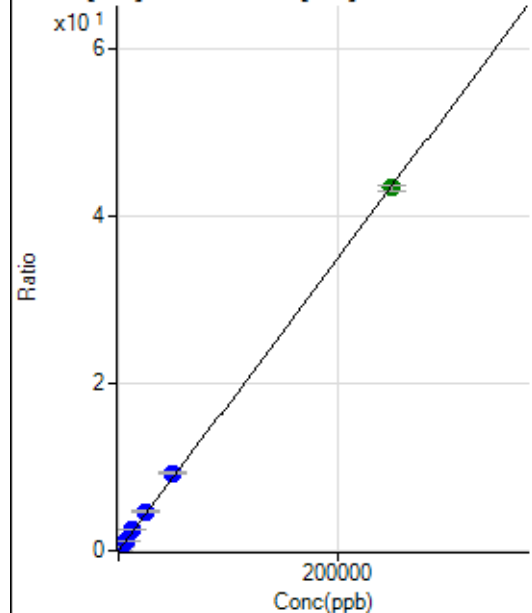
$$y = 0.0068 * x + 0.0214$$

$$R = 1.0000$$

$$DL = 0.4602$$

Weight: <None>

Min Conc: 0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	72.22	0.0010	P	20.4
2	☐	5.000					
3	☐	50.000	59.438	822.27	0.0114	P	5.9
4	☐	2500.000	2800.736	34054.77	0.4893	P	1.2
5	☐	6250.000	6748.708	79753.01	1.1776	P	2.5
6	☐	12500.000	14330.805	156354.21	2.4995	P	1.0
7	☐	25000.000	26862.694	307415.07	4.6843	P	1.9
8	☐	50000.000	53218.479	608102.63	9.2793	P	2.1
9	☐	250000.00	249063.01	2799849.86	43.4233	A	1.4

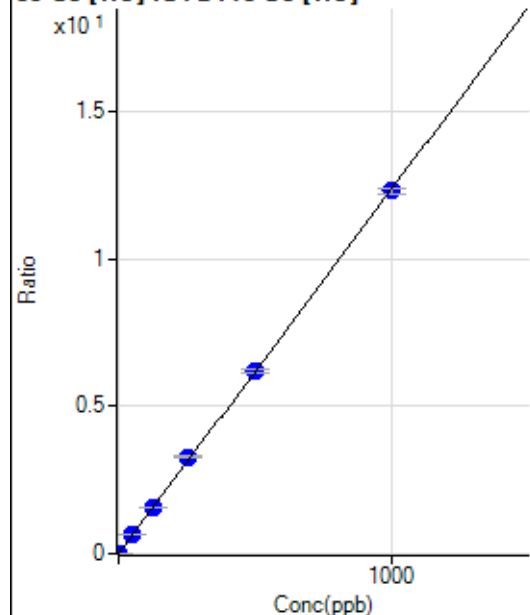
$$y = 1.7434E-004 * x + 0.0010$$

$$R = 0.9999$$

$$DL = 3.572$$

Weight: <None>

Min Conc: 0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	16.67	0.0002	P	19.8
2	☐	0.100					
3	☐	1.000	0.987	900.04	0.0125	P	2.6
4	☐	50.000	53.515	46131.29	0.6628	P	0.6
5	☐	125.000	127.048	106543.30	1.5732	P	2.8
6	☐	250.000	266.283	206242.87	3.2971	P	1.1
7	☐	500.000	499.572	405931.11	6.1854	P	1.8
8	☐	1000.000	995.712	807934.90	12.3281	P	1.6
9	☐			9428.69	0.1462	P	1.3

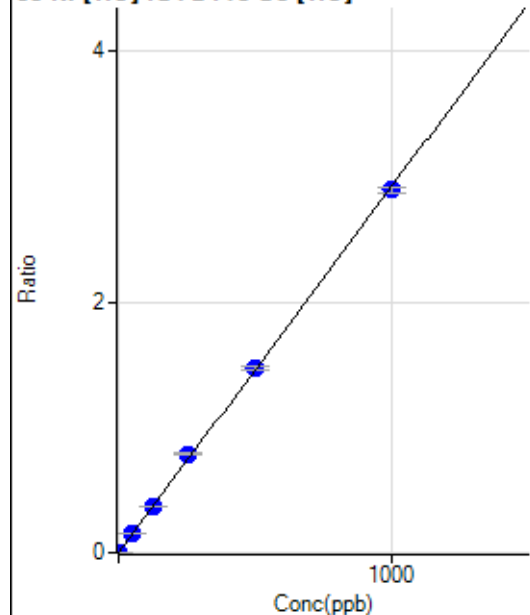
$$y = 0.0124 * x + 2.3419E-004$$

$$R = 0.9999$$

$$DL = 0.01126$$

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	7.78	0.0001	P	49.8
2	☐	0.100					
3	☐	1.000	1.052	230.00	0.0032	P	12.3
4	☐	50.000	53.865	10961.99	0.1575	P	0.7
5	☐	125.000	127.242	25187.38	0.3719	P	1.7
6	☐	250.000	270.299	49408.61	0.7899	P	1.1
7	☐	500.000	505.950	97021.22	1.4784	P	2.0
8	☐	1000.000	991.477	189861.19	2.8969	P	1.3
9	☐			3524.92	0.0547	P	1.0

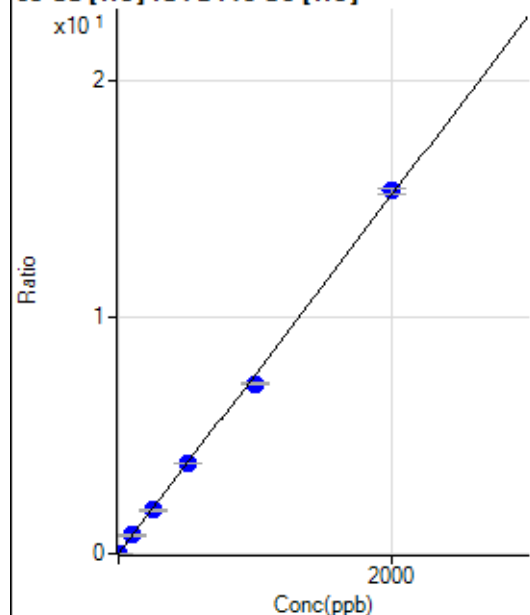
$$y = 0.0029 * x + 1.0947E-004$$

$$R = 0.9997$$

$$DL = 0.05594$$

Weight: <None>

Min Conc: 0

⁶³Cu [He] ISTD:45 Sc [He]

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	103.34	0.0015	P	16.6
2	☐	0.200					
3	☐	2.000	1.836	1110.06	0.0154	P	4.9
4	☐	100.000	102.015	53865.42	0.7739	P	1.2
5	☐	250.000	242.389	124416.08	1.8369	P	1.5
6	☐	500.000	507.098	240296.93	3.8414	P	0.8
7	☐	1000.000	949.477	471937.09	7.1912	P	1.8
8	☐	2000.000	2024.338	1004716.15	15.3303	P	1.4
9	☐			1223.41	0.0190	P	7.8

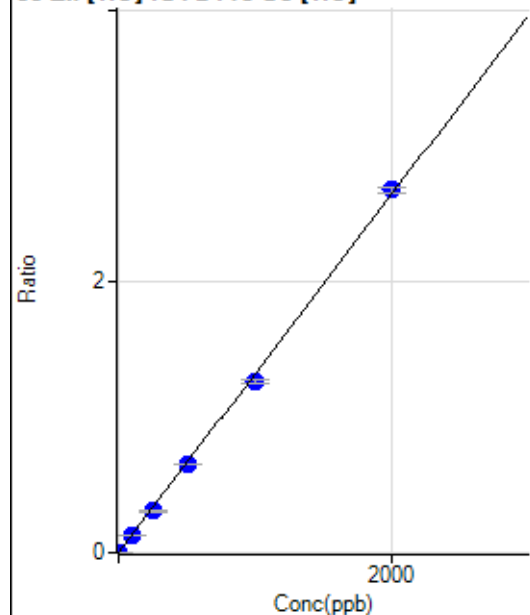
$$y = 0.0076 * x + 0.0015$$

$$R = 0.9995$$

$$DL = 0.0957$$

Weight: <None>

Min Conc: 0

⁶⁶Zn [He] ISTD:45 Sc [He]

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	56.67	0.0008	P	35.2
2	☐	0.200					
3	☐	2.000	2.293	276.68	0.0038	P	6.9
4	☐	100.000	96.393	8927.31	0.1283	P	2.7
5	☐	250.000	231.693	20808.33	0.3072	P	1.6
6	☐	500.000	492.329	40779.17	0.6519	P	1.4
7	☐	1000.000	957.299	83139.27	1.2668	P	1.9
8	☐	2000.000	2025.736	175631.79	2.6799	P	1.4
9	☐			1357.86	0.0211	P	8.8

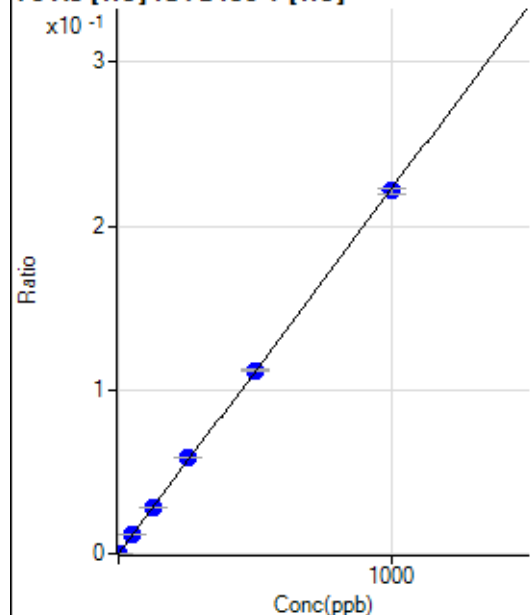
$$y = 0.0013 * x + 7.9610E-004$$

$$R = 0.9996$$

$$DL = 0.6351$$

Weight: <None>

Min Conc: 0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	1.23	0.0000	P	86.6
2	☐	0.100					
3	☐	1.000	1.058	64.20	0.0002	P	23.3
4	☐	50.000	54.184	3127.53	0.0121	P	1.4
5	☐	125.000	126.956	7300.65	0.0283	P	1.2
6	☐	250.000	263.318	14261.99	0.0586	P	0.5
7	☐	500.000	503.144	28275.61	0.1120	P	1.8
8	☐	1000.000	994.645	56248.25	0.2214	P	1.6
9	☐			72.22	0.0003	P	9.2

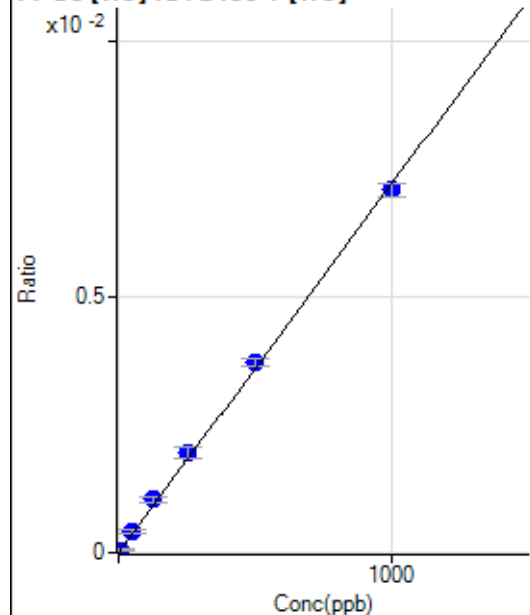
$$y = 2.2258\text{E-}004 * x + 4.6710\text{E-}006$$

$$R = 0.9999$$

$$DL = 0.05452$$

Weight: <None>

Min Conc: 0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	0.00	0.0000	P	
2	☐	0.500					
3	☐	5.000	7.514	14.45	0.0001	P	48.2
4	☐	50.000	57.181	106.67	0.0004	P	11.1
5	☐	125.000	143.903	267.78	0.0010	P	11.5
6	☐	250.000	272.889	477.79	0.0020	P	11.9
7	☐	500.000	514.454	934.49	0.0037	P	4.0
8	☐	1000.000	984.316	1799.03	0.0071	P	3.5
9	☐			1.11	0.0000	P	173.

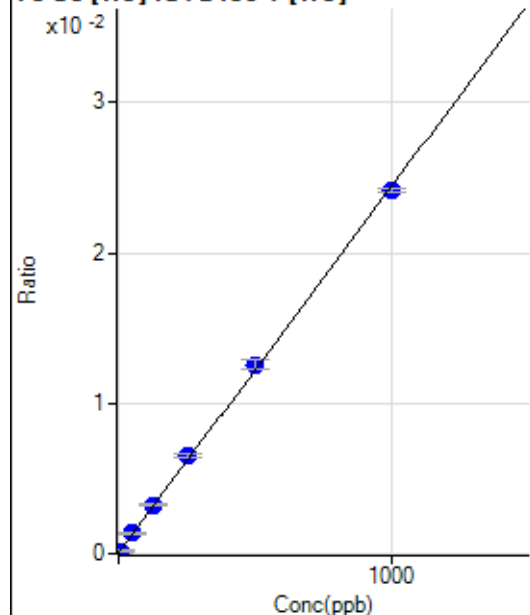
$$y = 7.1960\text{E-}006 * x + 0.0000\text{E+}000$$

$$R = 0.9995$$

$$DL = 0$$

Weight: <None>

Min Conc: 0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	12.96	0.0000	P	38.0
2	☐	0.500					
3	☐	5.000	5.184	46.91	0.0002	P	19.6
4	☐	50.000	53.594	351.24	0.0014	P	5.1
5	☐	125.000	130.658	835.22	0.0032	P	3.5
6	☐	250.000	265.558	1586.52	0.0065	P	3.3
7	☐	500.000	513.884	3173.21	0.0126	P	5.1
8	☐	1000.000	988.281	6130.97	0.0241	P	1.0
9	☐			22.84	0.0001	P	24.8

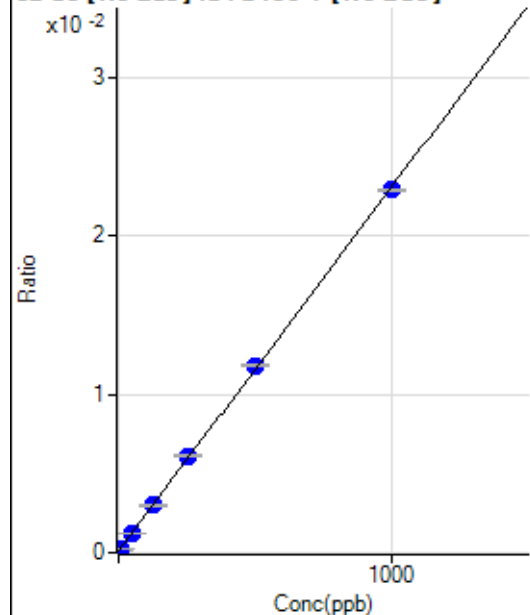
$$y = 2.4367\text{E-}005 * x + 4.9156\text{E-}005$$

$$R = 0.9997$$

$$DL = 2.297$$

Weight: <None>

Min Conc: 0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	166.26	0.0001	P	9.5
2	☐	0.500					
3	☐	5.000	4.923	328.73	0.0002	P	17.2
4	☐	50.000	47.857	1827.05	0.0012	P	0.9
5	☐	125.000	125.404	4321.38	0.0030	P	2.0
6	☐	250.000	261.838	8487.57	0.0061	P	3.1
7	☐	500.000	508.688	16550.54	0.0118	P	1.1
8	☐	1000.000	992.753	32103.77	0.0229	P	0.7
9	☐			181.04	0.0001	P	7.7

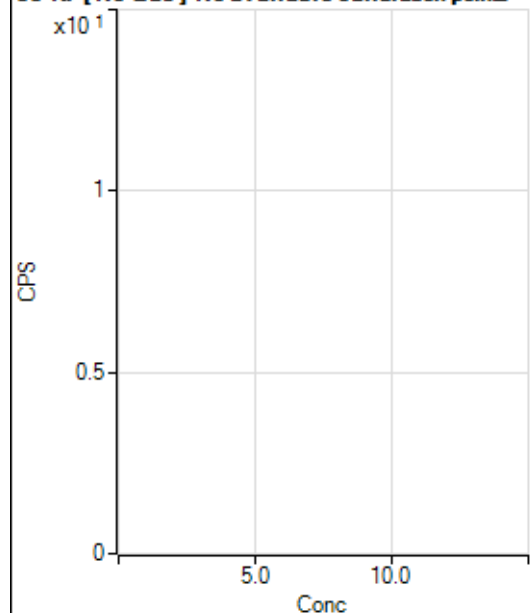
$$y = 2.2961\text{E-}005 * x + 1.0412\text{E-}004$$

$$R = 0.9998$$

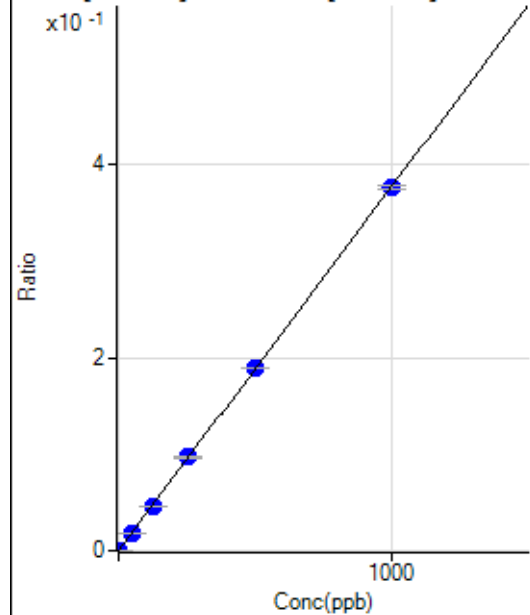
$$DL = 1.289$$

Weight: <None>

Min Conc: 0

83 Kr [No Gas] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			55.56		P	15.1
2	☐						
3	☐			51.11		P	13.6
4	☐			53.33		P	22.5
5	☐			45.56		P	18.4
6	☐			46.67		P	25.8
7	☐			46.67		P	14.3
8	☐			43.34		P	13.3
9	☐			58.89		P	21.4

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	94.45	0.0001	P	10.6
2	☐	0.100					
3	☐	1.000	0.812	552.81	0.0004	P	18.5
4	☐	50.000	48.800	28017.16	0.0184	P	3.6
5	☐	125.000	122.680	67043.12	0.0463	P	1.0
6	☐	250.000	256.915	134421.77	0.0969	P	1.4
7	☐	500.000	502.767	266146.81	0.1895	P	0.4
8	☐	1000.000	997.238	526898.22	0.3758	P	1.0
9	☐			2119.69	0.0016	P	6.5

$$y = 3.7679E-004 * x + 5.9159E-005$$

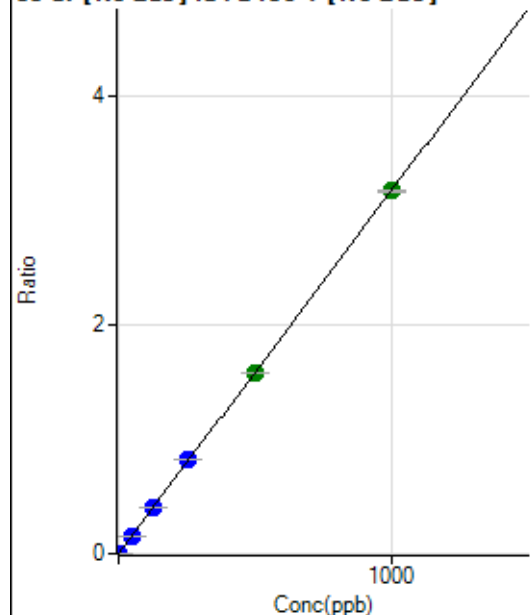
$$R = 1.0000$$

$$DL = 0.04981$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	33.34	0.0000	P	43.0
2	☐	0.100					
3	☐	1.000	1.009	4887.16	0.0032	P	7.6
4	☐	50.000	49.659	239692.16	0.1578	P	1.5
5	☐	125.000	125.082	575786.58	0.3975	P	1.0
6	☐	250.000	258.353	1139388.81	0.8210	P	0.4
7	☐	500.000	497.832	2221880.89	1.5820	A	0.9
8	☐	1000.000	999.003	4450915.60	3.1746	A	0.6
9	☐			17853.44	0.0137	P	3.6

$$y = 0.0032 * x + 2.0844E-005$$

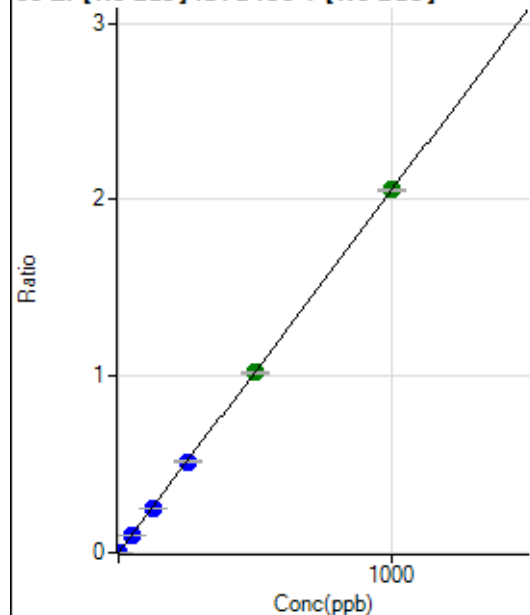
$$R = 1.0000$$

$$DL = 0.008457$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	86.11	0.0001	P	31.7
2	☐	0.100					
3	☐	1.000	0.955	3047.69	0.0020	P	5.8
4	☐	50.000	48.129	150041.02	0.0988	P	1.0
5	☐	125.000	121.145	360078.05	0.2486	P	1.2
6	☐	250.000	252.029	717640.41	0.5171	P	0.4
7	☐	500.000	497.165	1432594.79	1.0200	A	0.6
8	☐	1000.000	1001.486	2880691.60	2.0547	A	0.3
9	☐			725.05	0.0006	P	17.5

$$y = 0.0021 * x + 5.3978E-005$$

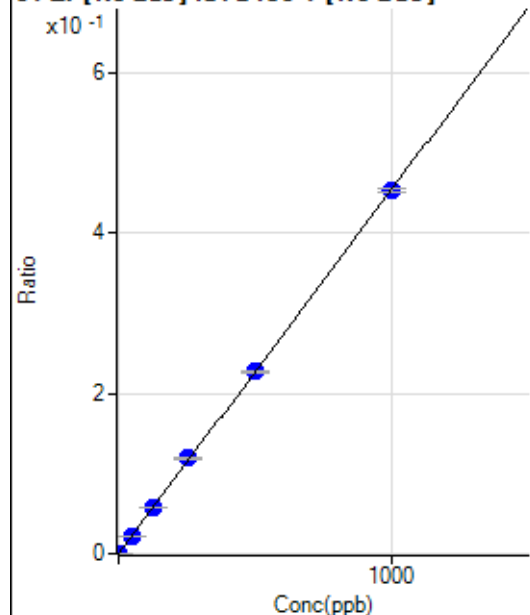
$$R = 1.0000$$

$$DL = 0.02499$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	36.11	0.0000	P	57.7
2	☐	0.100					
3	☐	1.000	0.828	602.82	0.0004	P	12.3
4	☐	50.000	48.968	33765.83	0.0222	P	1.3
5	☐	125.000	126.223	82959.35	0.0573	P	1.6
6	☐	250.000	261.651	164728.18	0.1187	P	2.1
7	☐	500.000	500.723	319021.90	0.2271	P	0.8
8	☐	1000.000	996.624	633788.89	0.4521	P	0.9
9	☐			116.67	0.0001	P	7.0

$$y = 4.5358\text{E-}004 * x + 2.2594\text{E-}005$$

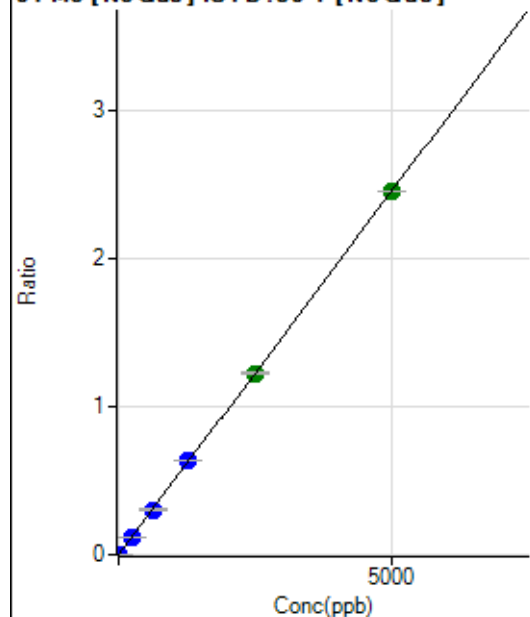
$$R = 0.9999$$

$$DL = 0.08625$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	61.11	0.0000	P	31.0
2	☐	0.500					
3	☐	5.000	4.974	3756.19	0.0025	P	2.4
4	☐	250.000	245.482	183204.78	0.1206	P	1.6
5	☐	625.000	620.513	441613.56	0.3049	P	0.8
6	☐	1250.000	1288.620	878601.20	0.6331	P	0.6
7	☐	2500.000	2494.273	1721041.51	1.2254	A	0.6
8	☐	5000.000	4993.995	3439781.46	2.4534	A	0.1
9	☐			1944.66	0.0015	P	8.0

$$y = 4.9126\text{E-}004 * x + 3.8236\text{E-}005$$

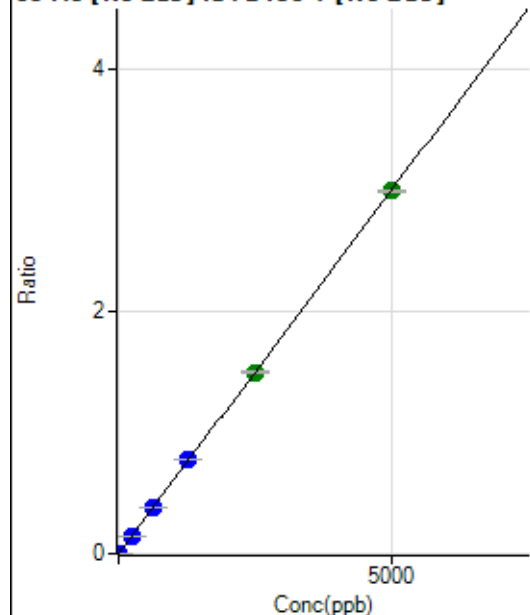
$$R = 1.0000$$

$$DL = 0.07248$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	19.44	0.0000	P	99.5
2	☐	0.500					
3	☐	5.000	4.968	4534.25	0.0030	P	4.2
4	☐	250.000	249.175	227273.57	0.1496	P	1.0
5	☐	625.000	629.209	547325.63	0.3779	P	1.3
6	☐	1250.000	1296.206	1080294.27	0.7784	P	0.7
7	☐	2500.000	2494.751	2104144.04	1.4982	A	0.9
8	☐	5000.000	4990.588	4201890.11	2.9970	A	0.6
9	☐			2705.92	0.0021	P	7.2

$$y = 6.0052\text{E-}004 * x + 1.2217\text{E-}005$$

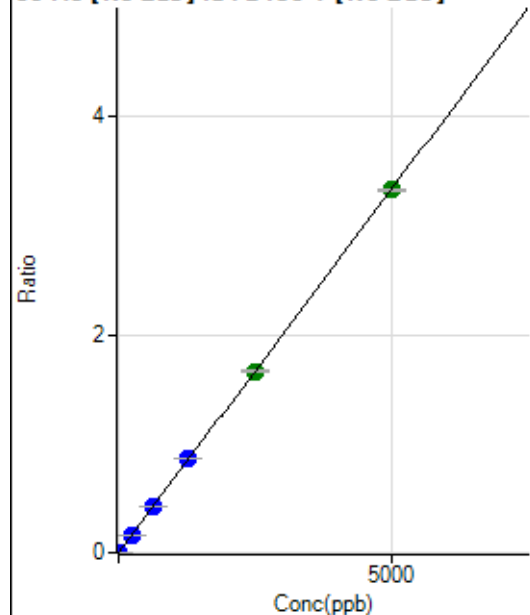
$$R = 1.0000$$

$$DL = 0.06071$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	63.89	0.0000	P	26.7
2	☐	0.500					
3	☐	5.000	4.870	4973.29	0.0033	P	2.8
4	☐	250.000	248.406	251508.32	0.1656	P	1.3
5	☐	625.000	632.657	610850.61	0.4217	P	1.3
6	☐	1250.000	1299.085	1201701.66	0.8659	P	0.5
7	☐	2500.000	2492.211	2333044.97	1.6611	A	0.8
8	☐	5000.000	4990.746	4663677.32	3.3265	A	0.6
9	☐			4270.26	0.0033	P	3.0

$$y = 6.6652\text{E-}004 * x + 3.9975\text{E-}005$$

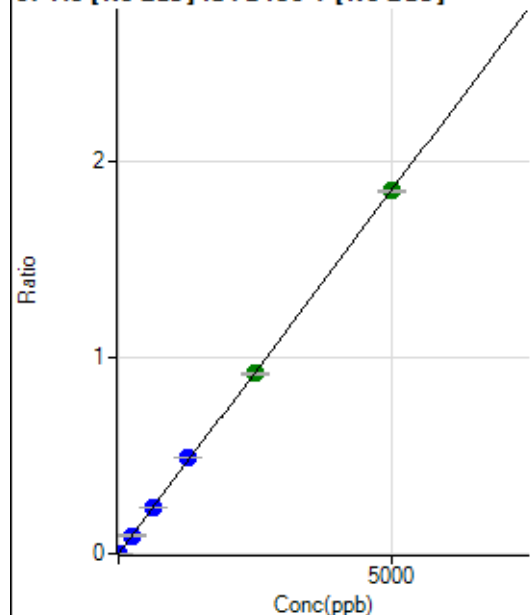
$$R = 0.9999$$

$$DL = 0.04797$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	5.55	0.0000	P	86.6
2	☐	0.500					
3	☐	5.000	4.699	2644.81	0.0017	P	4.4
4	☐	250.000	251.391	141706.43	0.0933	P	1.7
5	☐	625.000	632.653	340093.61	0.2348	P	1.9
6	☐	1250.000	1316.820	678252.23	0.4887	P	0.5
7	☐	2500.000	2476.289	1290792.30	0.9190	A	0.7
8	☐	5000.000	4994.124	2598643.38	1.8535	A	0.5
9	☐			1458.47	0.0011	P	5.2

$$y = 3.7114\text{E-}004 * x + 3.4672\text{E-}006$$

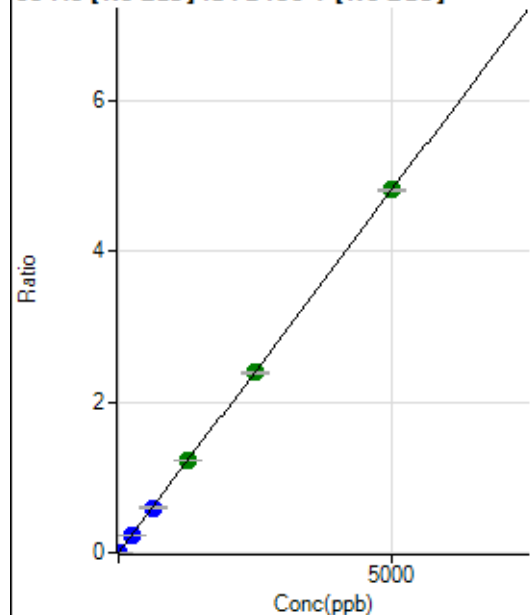
$$R = 0.9999$$

$$DL = 0.02427$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	27.78	0.0000	P	45.7
2	☐	0.500					
3	☐	5.000	4.867	7107.58	0.0047	P	0.9
4	☐	250.000	246.270	359559.35	0.2367	P	0.9
5	☐	625.000	620.128	863471.61	0.5961	P	1.3
6	☐	1250.000	1267.128	1690422.21	1.2181	A	0.6
7	☐	2500.000	2481.089	3349714.14	2.3850	A	0.6
8	☐	5000.000	5005.969	6746737.65	4.8121	A	0.2
9	☐			3934.05	0.0030	P	7.4

$$y = 9.6127\text{E-}004 * x + 1.7381\text{E-}005$$

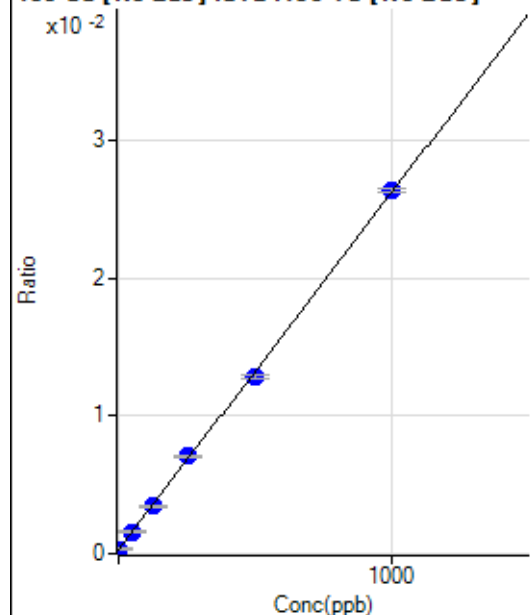
$$R = 1.0000$$

$$DL = 0.02477$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	466.70	0.0003	P	5.2
2	☐	0.100					
3	☐	1.000	2.469	538.92	0.0003	P	6.8
4	☐	50.000	50.908	2536.44	0.0016	P	5.3
5	☐	125.000	122.103	5492.93	0.0035	P	3.6
6	☐	250.000	261.614	10937.92	0.0071	P	0.6
7	☐	500.000	484.795	19992.60	0.0129	P	2.5
8	☐	1000.000	1005.014	40834.85	0.0264	P	1.1
9	☐			444.47	0.0003	P	6.9

$$y = 2.5957\text{E-}005 * x + 2.8267\text{E-}004$$

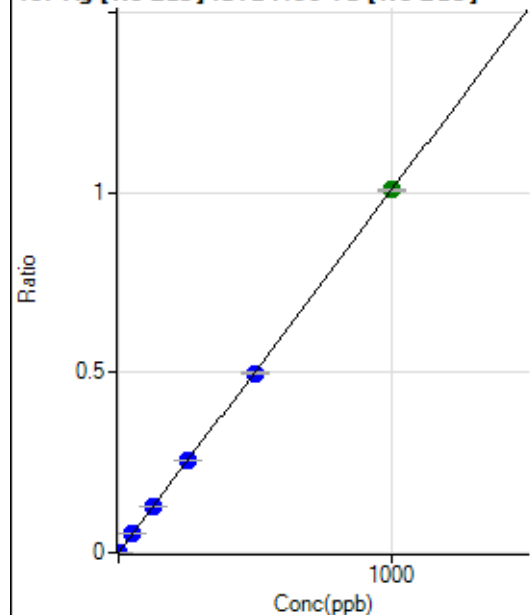
$$R = 0.9997$$

$$DL = 1.708$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	38.89	0.0000	P	32.6
2	☐	0.100					
3	☐	1.000	1.056	1689.06	0.0011	P	7.7
4	☐	50.000	51.966	82803.79	0.0524	P	2.0
5	☐	125.000	125.489	201186.53	0.1264	P	0.9
6	☐	250.000	255.337	397716.84	0.2572	P	1.3
7	☐	500.000	494.934	774739.22	0.4985	P	0.6
8	☐	1000.000	1001.039	1561501.23	1.0083	A	0.4
9	☐			111.12	0.0001	P	3.4

$$y = 0.0010 * x + 2.3543\text{E-}005$$

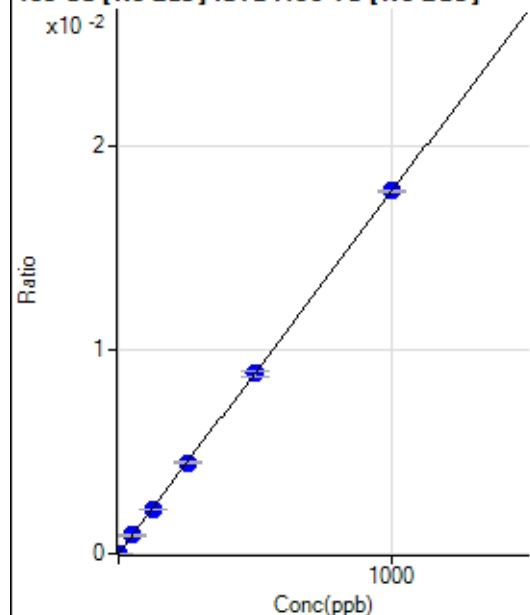
$$R = 1.0000$$

$$DL = 0.02285$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	2.78	0.0000	P	86.6
2	☐	0.100					
3	☐	1.000	1.465	43.06	0.0000	P	36.8
4	☐	50.000	51.507	1450.10	0.0009	P	7.0
5	☐	125.000	122.679	3474.10	0.0022	P	1.9
6	☐	250.000	249.908	6874.03	0.0044	P	2.1
7	☐	500.000	496.796	13729.08	0.0088	P	2.3
8	☐	1000.000	1001.839	27589.62	0.0178	P	0.7
9	☐			8.33	0.0000	P	49.8

$$y = 1.7782\text{E-}005 * x + 1.6798\text{E-}006$$

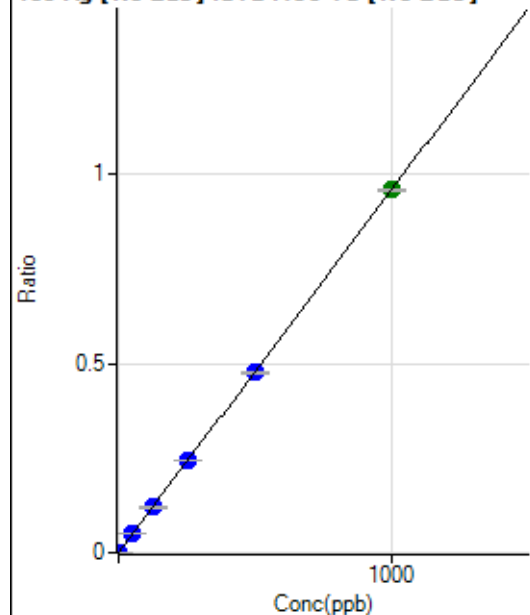
$$R = 1.0000$$

$$DL = 0.2454$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	25.00	0.0000	P	33.8
2	☐	0.100					
3	☐	1.000	1.096	1655.72	0.0011	P	6.1
4	☐	50.000	52.079	78950.90	0.0499	P	1.9
5	☐	125.000	124.645	190139.52	0.1195	P	1.3
6	☐	250.000	255.261	378341.98	0.2447	P	0.0
7	☐	500.000	497.015	740296.65	0.4764	P	0.7
8	☐	1000.000	1000.118	1484418.91	0.9586	A	0.8
9	☐			127.78	0.0001	P	22.3

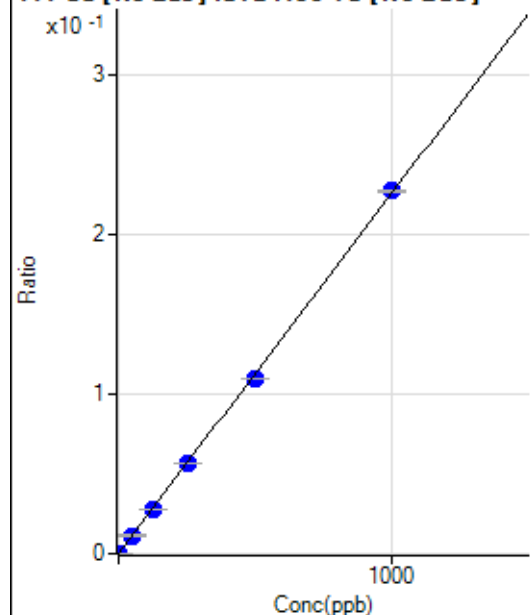
$$y = 9.5847\text{E-}004 * x + 1.5162\text{E-}005$$

$$R = 1.0000$$

$$DL = 0.01604$$

Weight: <None>

Min Conc: 0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	327.52	0.0002	P	6.2
2	☐	0.100					
3	☐	1.000	1.124	701.28	0.0005	P	7.6
4	☐	50.000	49.591	17957.23	0.0114	P	3.3
5	☐	125.000	120.467	43460.40	0.0273	P	0.6
6	☐	250.000	251.202	87721.13	0.0567	P	0.3
7	☐	500.000	485.496	170097.98	0.1095	P	0.9
8	☐	1000.000	1007.539	351417.73	0.2269	P	0.7
9	☐			362.24	0.0003	P	1.9

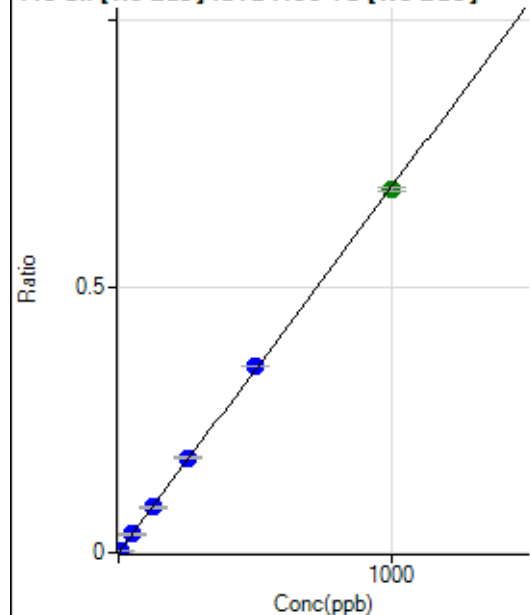
$$y = 2.2505E-004 * x + 1.9838E-004$$

$$R = 0.9998$$

$$DL = 0.1641$$

Weight: <None>

Min Conc: 0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	61.12	0.0000	P	7.3
2	☐	0.500					
3	☐	5.000	5.019	5412.37	0.0035	P	4.9
4	☐	50.000	50.195	54556.79	0.0345	P	1.8
5	☐	125.000	124.200	135763.15	0.0853	P	2.2
6	☐	250.000	259.818	275914.23	0.1784	P	0.5
7	☐	500.000	510.839	545131.28	0.3508	P	0.6
8	☐	1000.000	992.216	1055007.30	0.6813	A	0.9
9	☐			436.13	0.0003	P	15.9

$$y = 6.8664E-004 * x + 3.7009E-005$$

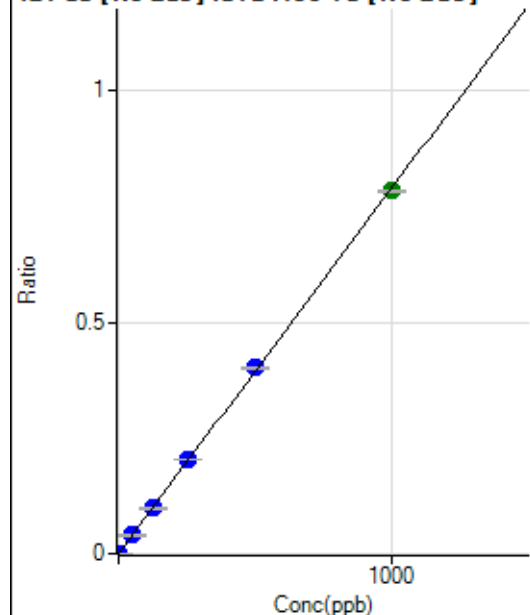
$$R = 0.9998$$

$$DL = 0.01182$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	16.67	0.0000	P	50.4
2	☐	0.200					
3	☐	2.000	1.844	2278.07	0.0015	P	6.6
4	☐	50.000	50.143	62629.33	0.0396	P	1.2
5	☐	125.000	124.156	156028.48	0.0980	P	1.3
6	☐	250.000	258.402	315534.65	0.2041	P	0.7
7	☐	500.000	509.480	625204.23	0.4023	P	1.3
8	☐	1000.000	993.258	1214515.01	0.7843	A	0.5
9	☐			1861.32	0.0013	P	3.8

$$y = 7.8963\text{E-}004 * x + 1.0114\text{E-}005$$

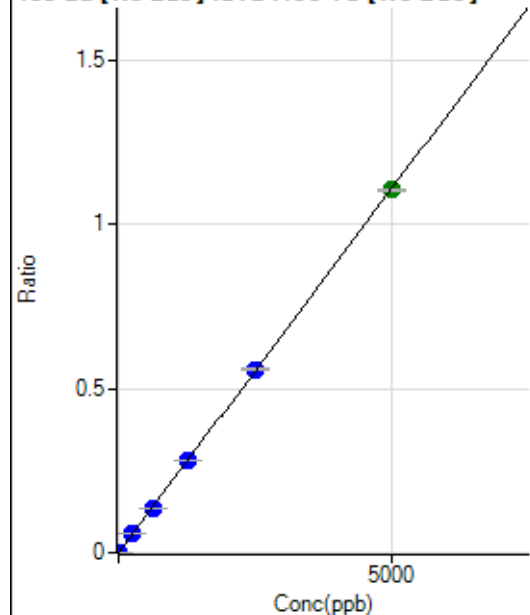
$$R = 0.9999$$

$$DL = 0.01938$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	0.00	0.0000	P	
2	☐	1.000					
3	☐	10.000	10.623	3661.76	0.0024	P	3.2
4	☐	250.000	253.965	89085.45	0.0563	P	1.3
5	☐	625.000	618.132	218210.38	0.1371	P	0.3
6	☐	1250.000	1263.778	433478.10	0.2803	P	0.2
7	☐	2500.000	2521.651	869236.32	0.5594	P	0.5
8	☐	5000.000	4986.389	1712782.22	1.1061	A	0.6
9	☐			227.79	0.0002	P	15.8

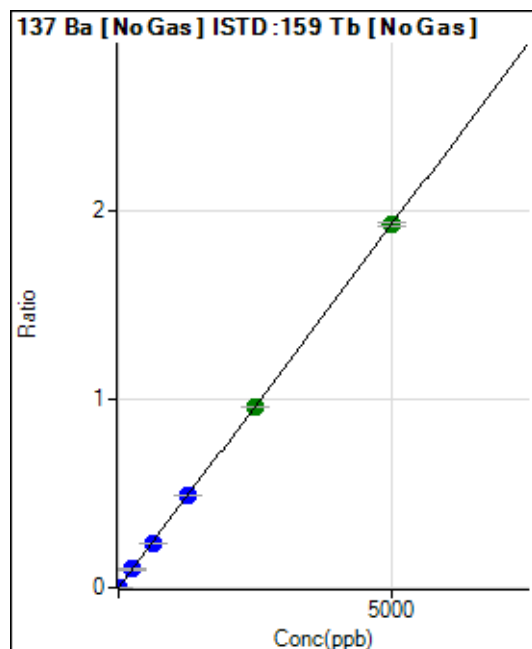
$$y = 2.2182\text{E-}004 * x + 0.0000\text{E+}000$$

$$R = 1.0000$$

$$DL = 0$$

Weight: <None>

Min Conc: 0



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	2.78	0.0000	P	173.
2	☐	1.000					
3	☐	10.000	10.313	6184.98	0.0040	P	3.4
4	☐	250.000	252.113	153799.17	0.0973	P	1.2
5	☐	625.000	617.159	378876.55	0.2381	P	0.9
6	☐	1250.000	1279.262	763096.34	0.4935	P	0.1
7	☐	2500.000	2492.252	1494052.76	0.9614	A	0.8
8	☐	5000.000	4997.432	2985181.77	1.9279	A	1.0
9	☐			386.13	0.0003	P	15.7

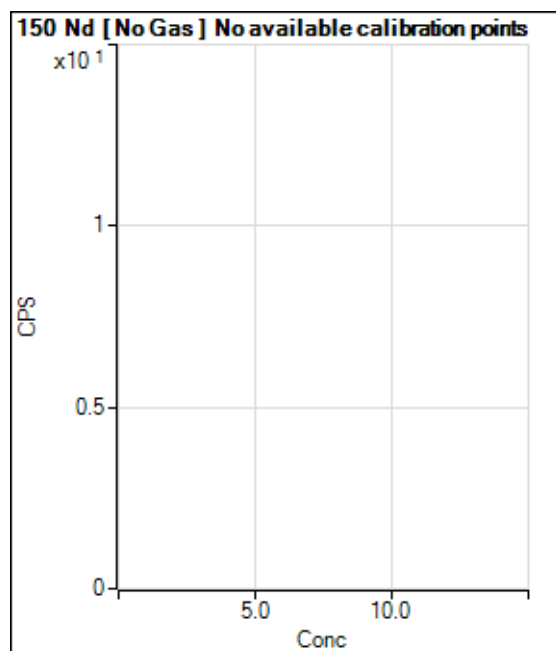
$$y = 3.8577\text{E-}004 * x + 1.6900\text{E-}006$$

$$R = 1.0000$$

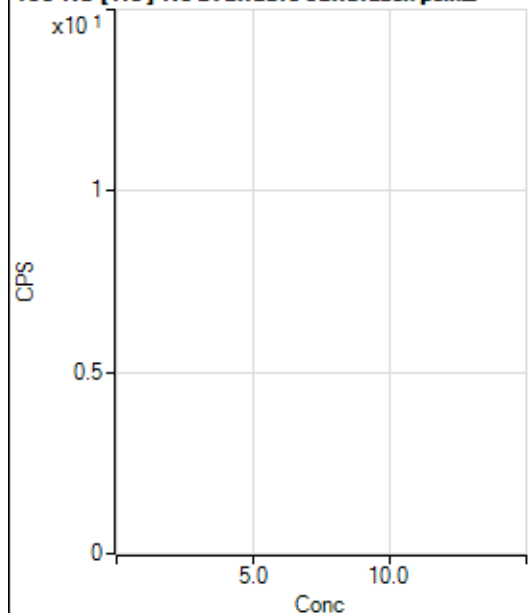
$$DL = 0.02276$$

Weight: <None>

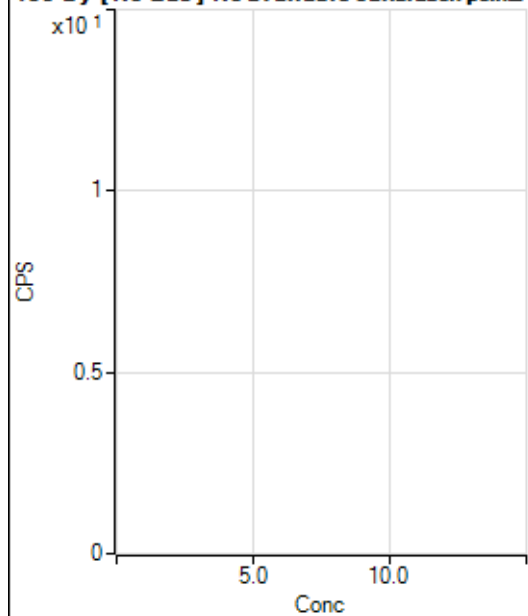
Min Conc: 0



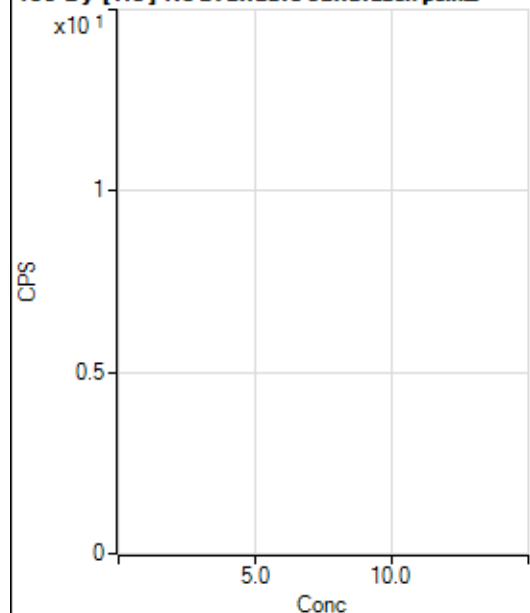
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			0.00		P	
2	☐						
3	☐			2.22		P	173.
4	☐			6.67		P	100.
5	☐			20.00		P	115.
6	☐			40.00		P	57.7
7	☐			68.89		P	39.1
8	☐			142.23		P	23.6
9	☐			22.22		P	75.5

150 Nd [He] No available calibration points

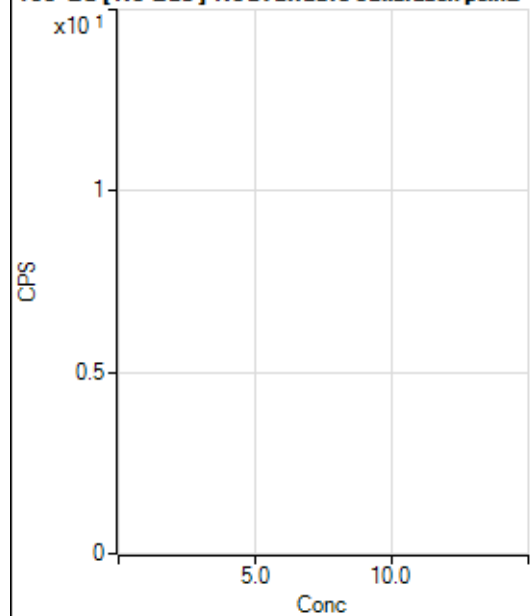
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			0.00		P	
2	☐						
3	☐			0.00		P	
4	☐			0.00		P	
5	☐			2.22		P	86.6
6	☐			7.78		P	24.7
7	☐			8.89		P	94.4
8	☐			15.56		P	12.4
9	☐			8.89		P	21.6

156 Dy [No Gas] No available calibration points

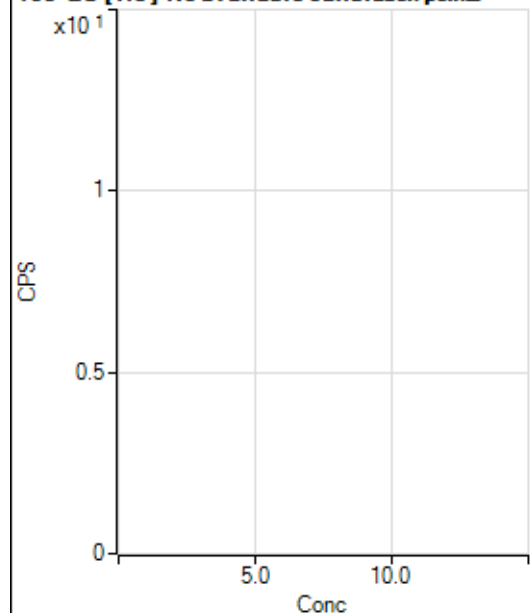
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			2.78		P	173.
2	☐						
3	☐			0.00		P	
4	☐			2.78		P	173.
5	☐			5.56		P	173.
6	☐			11.11		P	43.3
7	☐			22.22		P	43.3
8	☐			22.22		P	21.6
9	☐			25.00		P	57.7

156 Dy [He] No available calibration points

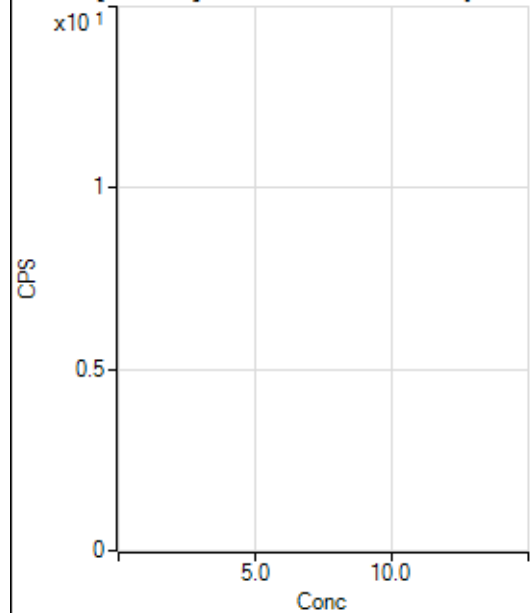
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			0.00		P	
2	☐						
3	☐			1.11		P	173.
4	☐			1.11		P	173.
5	☐			8.89		P	21.6
6	☐			15.56		P	12.4
7	☐			27.78		P	25.0
8	☐			44.44		P	22.9
9	☐			16.67		P	40.0

160 Gd [No Gas] Noavailable calibration poin_

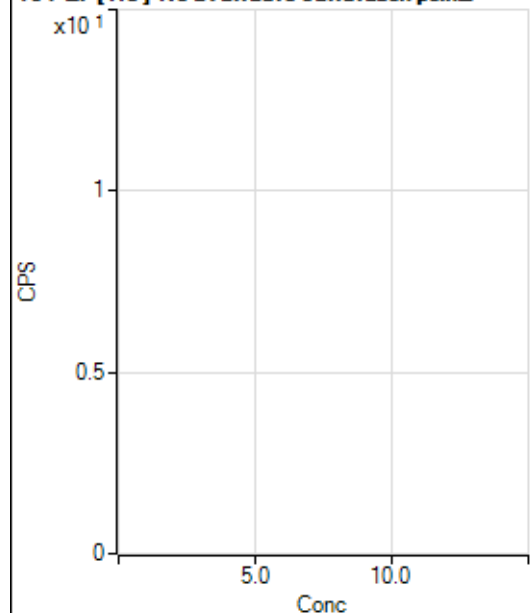
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			5.56		P	173.
2	☐						
3	☐			8.33		P	0.0
4	☐			5.56		P	173.
5	☐			13.89		P	124.
6	☐			16.67		P	50.0
7	☐			5.55		P	86.6
8	☐			13.89		P	34.7
9	☐			19.45		P	107.

160 Gd [He] No available calibration points

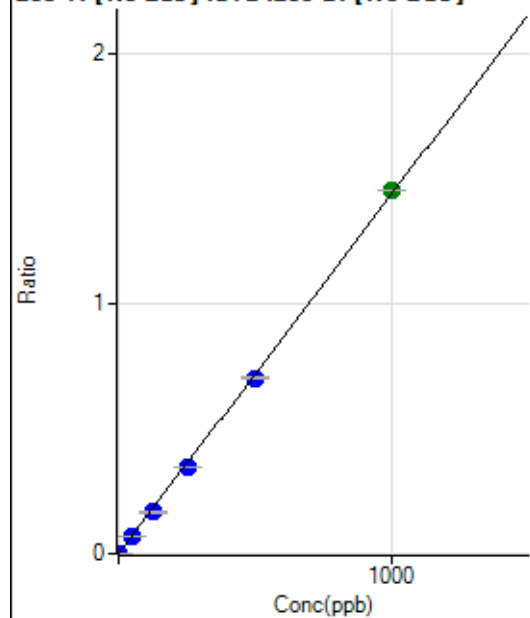
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			28.89		P	40.5
2	☐						
3	☐			44.45		P	47.6
4	☐			30.00		P	38.5
5	☐			30.00		P	19.2
6	☐			24.44		P	41.7
7	☐			43.33		P	27.7
8	☐			45.55		P	23.5
9	☐			47.78		P	14.5

164 Er [No Gas] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			2.78		P	173.
2	☐						
3	☐			8.33		P	100.
4	☐			0.00		P	
5	☐			8.33		P	0.0
6	☐			2.78		P	173.
7	☐			2.78		P	173.
8	☐			11.11		P	43.3
9	☐			5.55		P	86.6

164 Er [He] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			2.22		P	86.6
2	☐						
3	☐			1.11		P	173.
4	☐			1.11		P	173.
5	☐			3.33		P	100.
6	☐			3.33		P	0.0
7	☐			3.33		P	100.
8	☐			5.56		P	34.7
9	☐			4.44		P	43.4

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	63.89	0.0001	P	12.8
2	☐	0.100					
3	☐	1.000	0.816	1127.88	0.0012	P	5.2
4	☐	50.000	45.712	61139.12	0.0658	P	0.7
5	☐	125.000	115.453	152352.54	0.1661	P	0.9
6	☐	250.000	239.422	310951.32	0.3443	P	0.9
7	☐	500.000	488.762	621267.78	0.7029	P	1.2
8	☐	1000.000	1009.671	1245569.21	1.4519	A	0.1
9	☐			402.80	0.0005	P	9.6

$$y = 0.0014 * x + 6.9587E-005$$

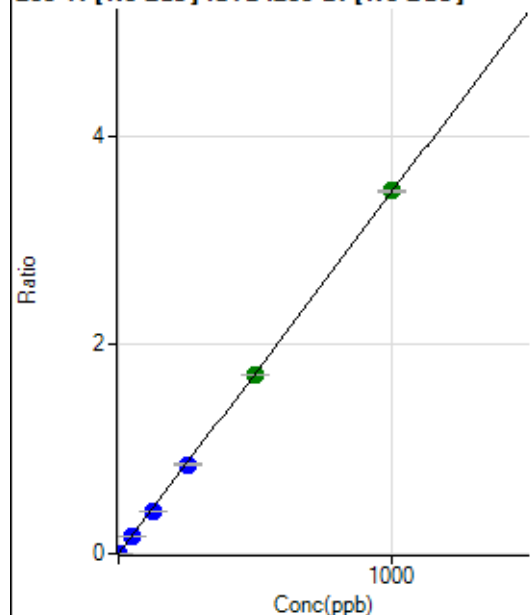
$$R = 0.9998$$

$$DL = 0.01851$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	155.56	0.0002	P	6.6
2	☐	0.100					
3	☐	1.000	0.894	2956.01	0.0033	P	2.4
4	☐	50.000	46.058	147985.32	0.1593	P	1.3
5	☐	125.000	117.524	372562.42	0.4061	P	1.0
6	☐	250.000	246.396	768745.59	0.8513	P	1.4
7	☐	500.000	495.217	1512196.04	1.7108	A	0.8
8	☐	1000.000	1004.424	2976780.95	3.4698	A	0.2
9	☐			983.41	0.0013	P	3.6

$$y = 0.0035 * x + 1.6963E-004$$

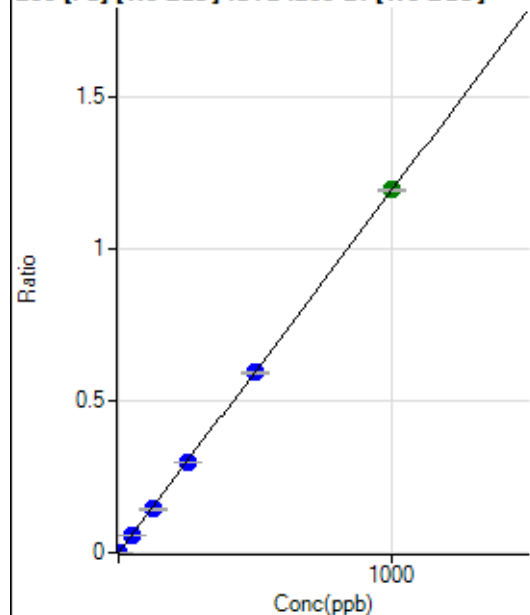
$$R = 1.0000$$

$$DL = 0.009707$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	64.82	0.0001	P	7.0
2	☐	0.100					
3	☐	1.000	0.957	1096.38	0.0012	P	1.8
4	☐	50.000	47.657	52712.09	0.0567	P	1.9
5	☐	125.000	120.584	131571.33	0.1434	P	1.9
6	☐	250.000	249.639	268082.30	0.2969	P	1.7
7	☐	500.000	496.984	522351.06	0.5910	P	0.8
8	☐	1000.000	1002.268	1022360.80	1.1917	A	0.3
9	☐			787.08	0.0011	P	3.6

$$y = 0.0012 * x + 7.0795E-005$$

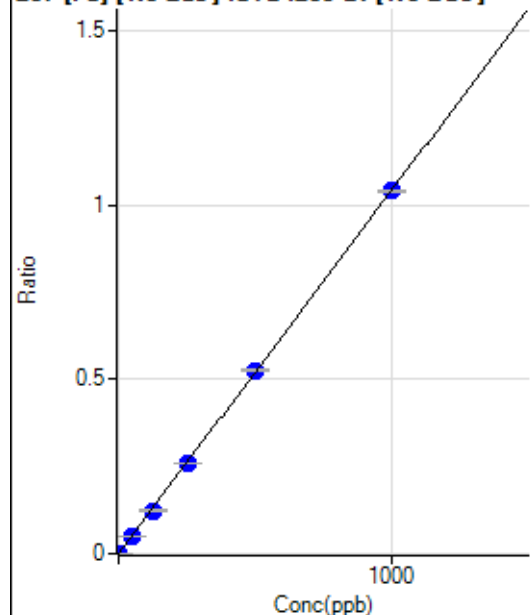
$$R = 1.0000$$

$$DL = 0.01256$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	53.71	0.0001	P	22.2
2	☐	0.100					
3	☐	1.000	0.941	942.65	0.0010	P	8.9
4	☐	50.000	47.265	45823.67	0.0493	P	0.4
5	☐	125.000	119.043	113848.30	0.1241	P	1.9
6	☐	250.000	247.800	233257.35	0.2583	P	1.2
7	☐	500.000	504.419	464690.56	0.5257	P	1.0
8	☐	1000.000	999.222	893407.99	1.0414	P	0.4
9	☐			764.86	0.0010	P	3.4

$$y = 0.0010 * x + 5.8654E-005$$

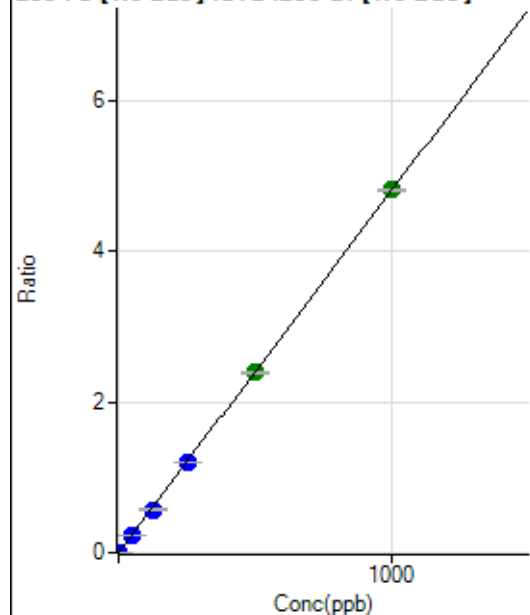
$$R = 1.0000$$

$$DL = 0.03755$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	253.71	0.0003	P	4.6
2	☐	0.100					
3	☐	1.000	0.950	4393.02	0.0048	P	0.9
4	☐	50.000	47.318	211512.06	0.2276	P	0.6
5	☐	125.000	119.291	526023.61	0.5734	P	1.3
6	☐	250.000	249.403	1082388.43	1.1986	P	1.2
7	☐	500.000	497.061	2111232.41	2.3885	A	0.7
8	☐	1000.000	1002.467	4132437.75	4.8169	A	0.3
9	☐			3294.71	0.0045	P	5.6

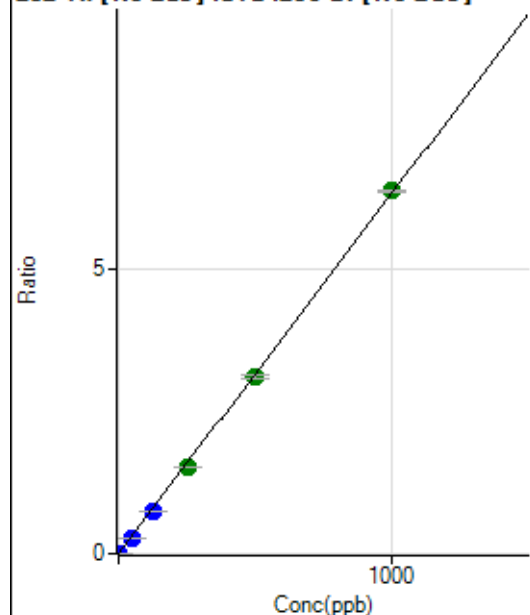
$$y = 0.0048 * x + 2.7666E-004$$

$$R = 1.0000$$

$$DL = 0.007919$$

Weight: <None>

Min Conc: 0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	33.34	0.0000	P	44.1
2	☐	0.100					
3	☐	1.000	0.827	4762.13	0.0053	P	0.9
4	☐	50.000	45.231	264956.35	0.2851	P	0.8
5	☐	125.000	116.418	673238.97	0.7339	P	0.9
6	☐	250.000	239.606	1363980.17	1.5104	A	0.7
7	☐	500.000	490.986	2735480.91	3.0949	A	1.8
8	☐	1000.000	1008.417	5453269.63	6.3565	A	0.3
9	☐			827.83	0.0011	P	10.9

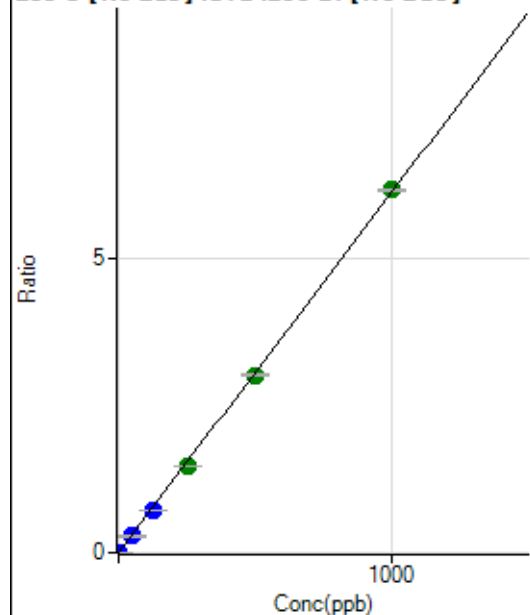
$$y = 0.0063 * x + 3.6329E-005$$

$$R = 0.9999$$

$$DL = 0.007625$$

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	11.11	0.0000	P	114.
2	☐	0.100					
3	☐	1.000	0.866	4826.14	0.0053	P	4.9
4	☐	50.000	45.617	259703.11	0.2795	P	1.1
5	☐	125.000	116.568	655197.52	0.7142	P	0.6
6	☐	250.000	240.478	1330592.74	1.4734	A	0.4
7	☐	500.000	492.603	2667695.35	3.0181	A	0.9
8	☐	1000.000	1007.352	5294826.68	6.1719	A	0.4
9	☐			269.46	0.0004	P	46.1

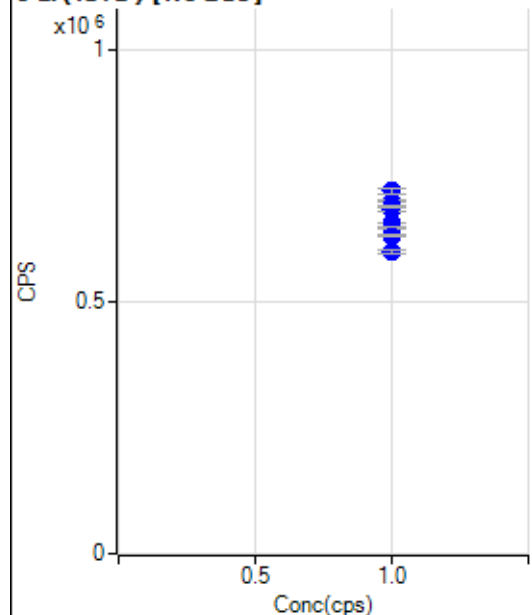
$$y = 0.0061 * x + 1.2287E-005$$

$$R = 0.9999$$

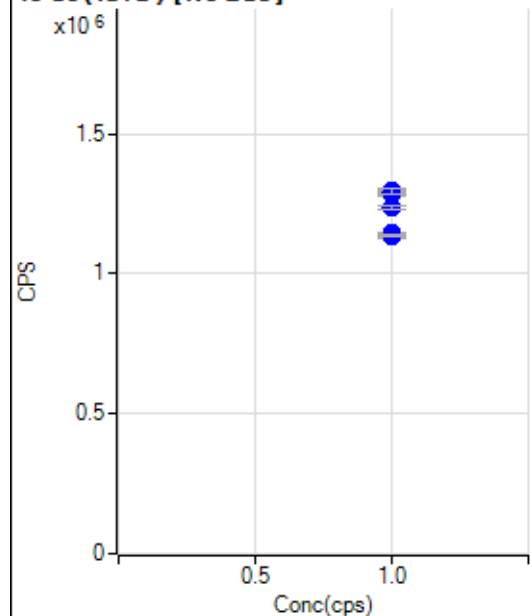
$$DL = 0.006902$$

Weight: <None>

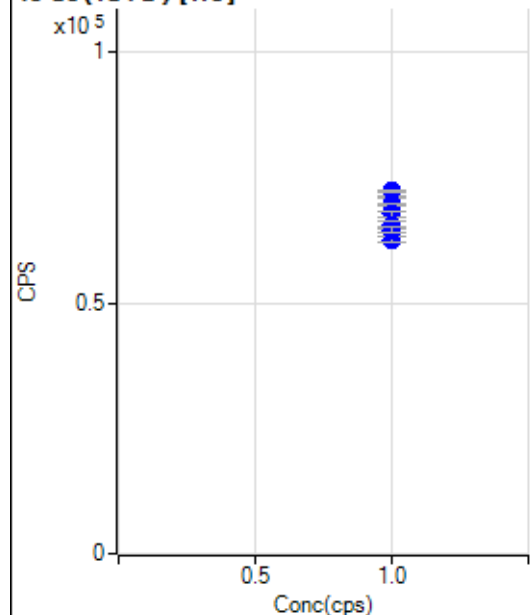
Min Conc: 0

6 Li (ISTD) [No Gas]

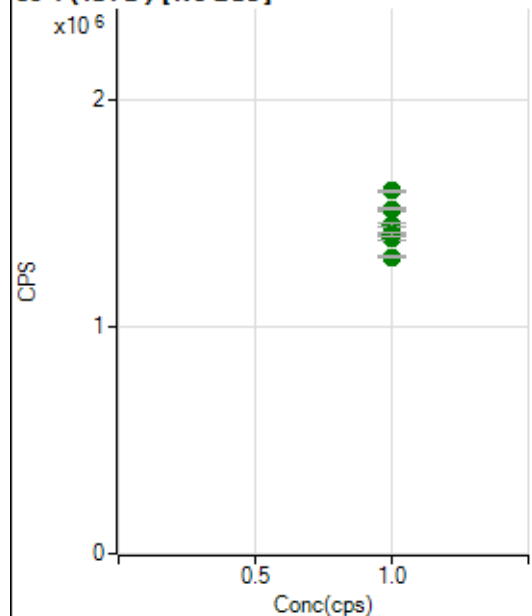
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		683724.06		P	1.2
2	☐	1.000					
3	☐	1.000		699161.99		P	0.5
4	☐	1.000		719572.48		P	1.8
5	☐	1.000		689804.30		P	0.6
6	☐	1.000		656097.71		P	0.4
7	☐	1.000		647486.02		P	0.8
8	☐	1.000		630838.35		P	0.4
9	☐	1.000		598282.07		P	0.9

45 Sc (ISTD) [No Gas]

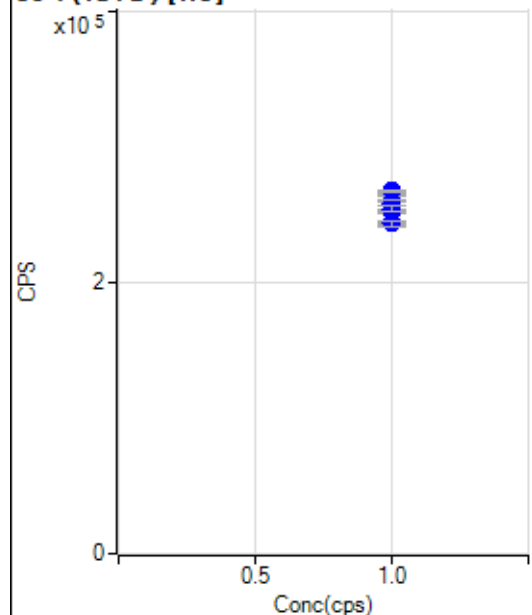
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		1285350.66		P	1.0
2	☐	1.000					
3	☐	1.000		1296373.98		P	0.6
4	☐	1.000		1295028.26		P	1.3
5	☐	1.000		1236896.01		P	1.2
6	☐	1.000		1137754.61		P	0.6
7	☐	1.000		1148360.51		P	0.2
8	☐	1.000		1136042.52		P	1.3
9	☐	1.000		1138207.40		P	0.7

45 Sc (ISTD) [He]

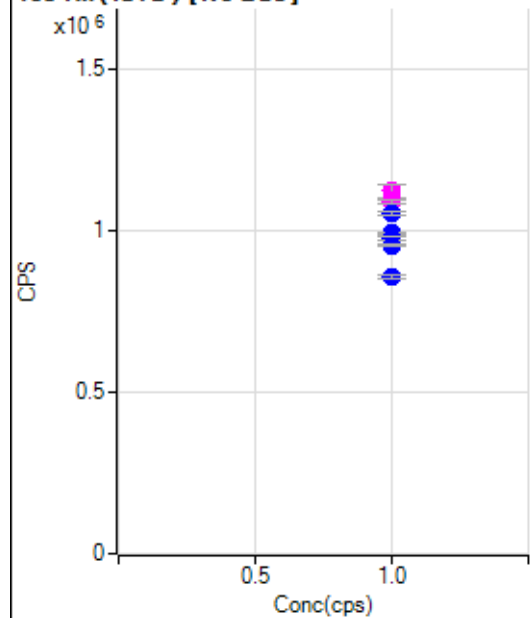
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		71146.52		P	0.5
2	☐	1.000					
3	☐	1.000		72287.37		P	0.7
4	☐	1.000		69602.52		P	0.7
5	☐	1.000		67741.61		P	1.5
6	☐	1.000		62560.35		P	1.5
7	☐	1.000		65639.02		P	1.5
8	☐	1.000		65548.63		P	1.9
9	☐	1.000		64488.52		P	1.7

89 Y (ISTD) [No Gas]

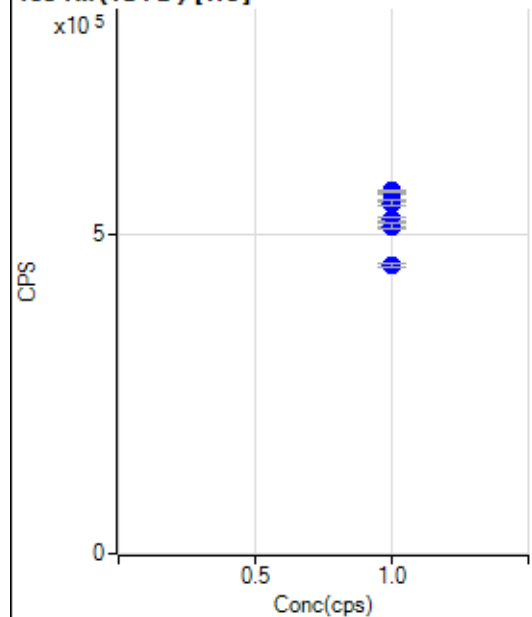
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		1596967.01		A	0.5
2	☐	1.000					
3	☐	1.000		1513531.99		A	0.6
4	☐	1.000		1518783.73		A	0.8
5	☐	1.000		1448604.49		A	1.1
6	☐	1.000		1387826.65		A	0.7
7	☐	1.000		1404496.47		A	0.4
8	☐	1.000		1402055.34		A	1.3
9	☐	1.000		1304974.04		A	0.7

89 Y(ISTD) [He]

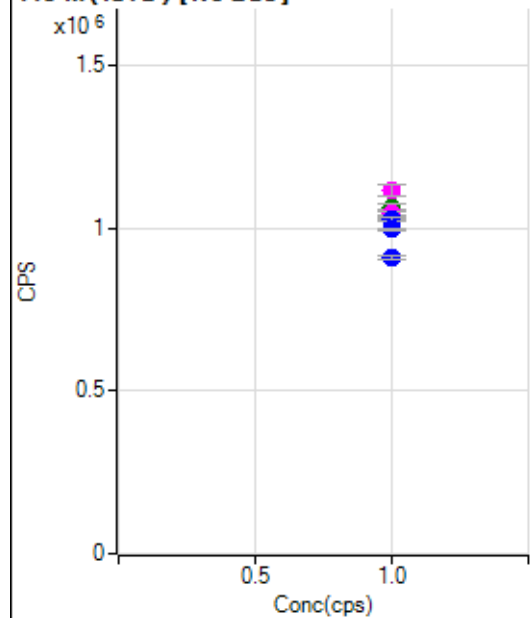
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		263775.01		P	0.6
2	☐	1.000					
3	☐	1.000		267379.54		P	0.3
4	☐	1.000		259217.30		P	0.2
5	☐	1.000		258338.42		P	1.5
6	☐	1.000		243315.41		P	0.3
7	☐	1.000		252503.10		P	1.1
8	☐	1.000		254100.89		P	1.9
9	☐	1.000		243238.13		P	1.4

103 Rh(ISTD) [No Gas]

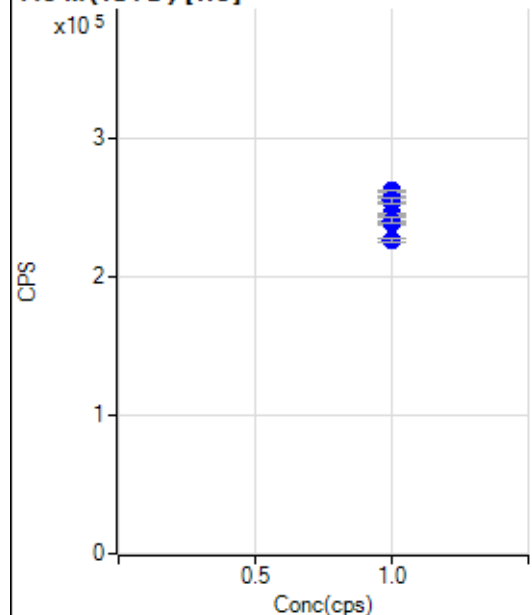
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		1123094.29		M	3.9
2	☐	1.000					
3	☐	1.000		1097816.93		M	0.5
4	☐	1.000		1089011.49		M	0.7
5	☐	1.000		1055036.19		P	0.9
6	☐	1.000		992758.77		P	0.7
7	☐	1.000		974523.40		P	1.2
8	☐	1.000		953835.30		P	0.7
9	☐	1.000		857382.15		P	1.1

103 Rh (ISTD) [He]

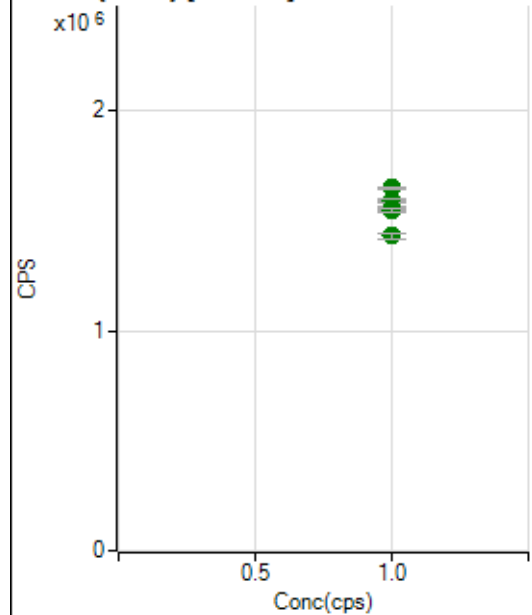
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		565103.41		P	0.5
2	☐	1.000					
3	☐	1.000		569810.55		P	0.2
4	☐	1.000		553824.38		P	0.6
5	☐	1.000		550183.12		P	1.7
6	☐	1.000		513357.91		P	0.6
7	☐	1.000		525586.75		P	1.2
8	☐	1.000		514047.84		P	2.0
9	☐	1.000		452752.76		P	1.0

115 In (ISTD) [No Gas]

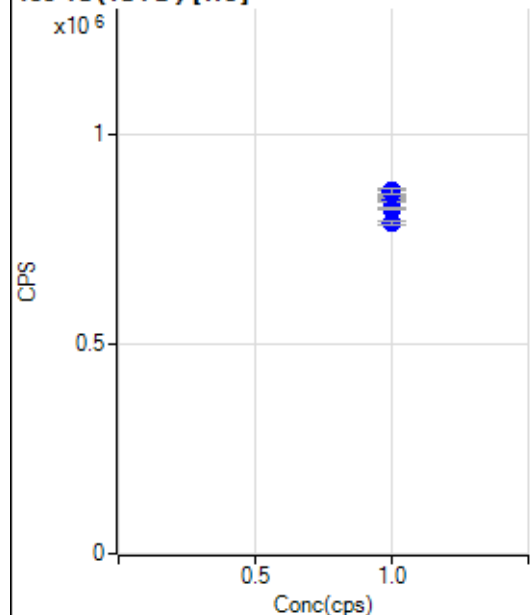
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		1115121.00		M	3.3
2	☐	1.000					
3	☐	1.000		1053935.03		A	0.8
4	☐	1.000		1064392.31		A	1.7
5	☐	1.000		1045076.87		M	1.5
6	☐	1.000		1027031.24		P	0.4
7	☐	1.000		1027539.58		P	0.8
8	☐	1.000		997290.10		P	0.5
9	☐	1.000		910558.48		P	1.4

115 In (ISTD) [He]

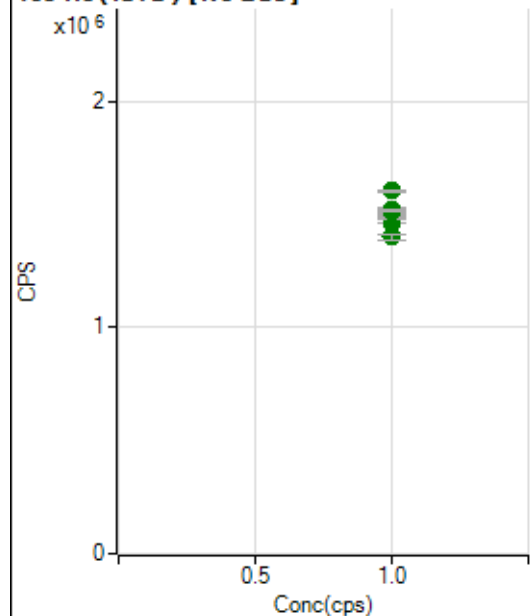
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		258972.28		P	0.2
2	☐	1.000					
3	☐	1.000		262626.84		P	0.2
4	☐	1.000		254541.40		P	0.3
5	☐	1.000		255617.83		P	1.6
6	☐	1.000		239551.01		P	1.0
7	☐	1.000		245894.52		P	0.9
8	☐	1.000		241120.74		P	1.7
9	☐	1.000		227214.78		P	1.2

159 Tb (ISTD) [No Gas]

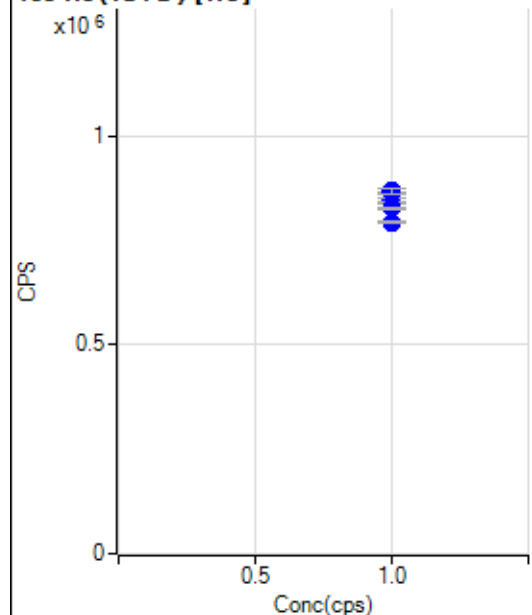
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		1650955.69		A	0.6
2	☐	1.000					
3	☐	1.000		1554010.77		A	0.3
4	☐	1.000		1581585.11		A	1.9
5	☐	1.000		1591440.34		A	0.8
6	☐	1.000		1546301.61		A	0.8
7	☐	1.000		1554011.58		A	0.7
8	☐	1.000		1548559.04		A	1.3
9	☐	1.000		1433778.52		A	1.6

159 Tb (ISTD) [He]

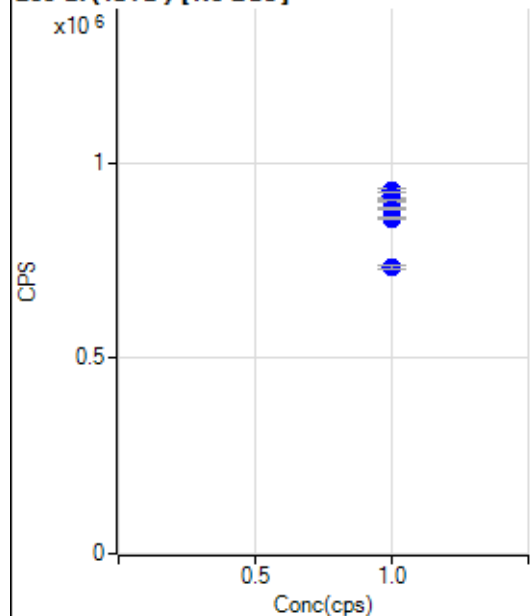
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		847856.00		P	0.9
2	☐	1.000					
3	☐	1.000		850763.34		P	0.7
4	☐	1.000		844848.28		P	0.6
5	☐	1.000		865953.27		P	1.2
6	☐	1.000		823650.13		P	0.9
7	☐	1.000		862313.13		P	1.5
8	☐	1.000		865282.46		P	1.9
9	☐	1.000		788952.52		P	1.1

165 Ho (ISTD) [No Gas]

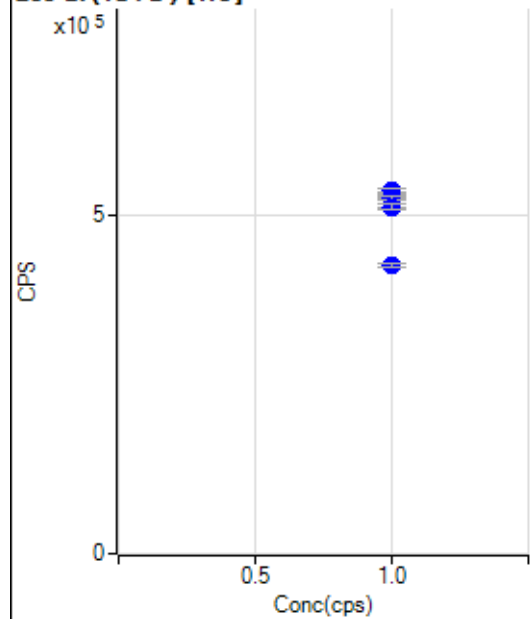
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		1604099.02		A	0.4
2	☐	1.000					
3	☐	1.000		1461904.09		A	0.5
4	☐	1.000		1505311.43		A	1.2
5	☐	1.000		1523633.68		A	0.9
6	☐	1.000		1482323.20		A	0.4
7	☐	1.000		1514226.65		A	0.7
8	☐	1.000		1516606.73		A	0.9
9	☐	1.000		1399169.09		A	1.6

165 Ho (ISTD) [He]

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		841193.03		P	0.7
2	☐	1.000					
3	☐	1.000		846375.57		P	1.1
4	☐	1.000		845836.94		P	0.8
5	☐	1.000		865936.81		P	1.5
6	☐	1.000		826790.66		P	0.6
7	☐	1.000		868323.89		P	1.2
8	☐	1.000		865720.14		P	1.6
9	☐	1.000		793745.72		P	1.0

209 Bi (ISTD) [No Gas]

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		916492.57		P	2.2
2	☐	1.000					
3	☐	1.000		907028.62		P	0.3
4	☐	1.000		929229.03		P	1.1
5	☐	1.000		917435.95		P	1.5
6	☐	1.000		903105.32		P	0.9
7	☐	1.000		883937.37		P	0.8
8	☐	1.000		857913.35		P	0.8
9	☐	1.000		734121.26		P	1.6

209 Bi (ISTD) [He]

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		531716.44		P	0.8
2	☐	1.000					
3	☐	1.000		532995.95		P	1.0
4	☐	1.000		528782.06		P	0.6
5	☐	1.000		536420.22		P	1.5
6	☐	1.000		511544.27		P	0.4
7	☐	1.000		525842.12		P	1.5
8	☐	1.000		512603.24		P	1.4
9	☐	1.000		426923.86		P	1.3