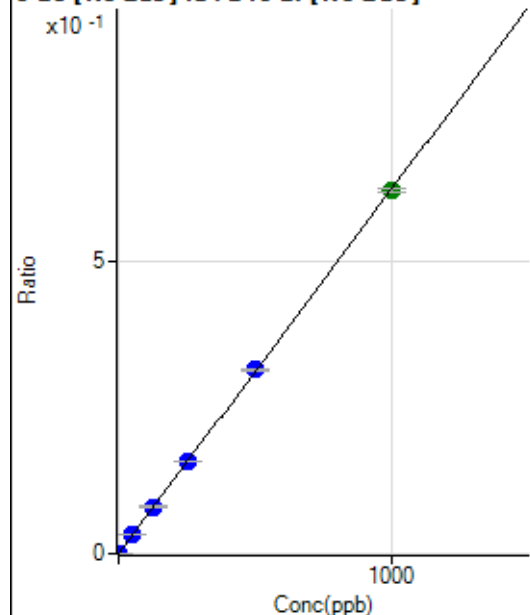


Batch Folder: D:\Agilent\ICPMH\1\DATA\P7071522MS1.b\
Analysis File: P7071522MS1.batch.bin
DA Date-Time: 2022-07-17 10:03:19
Calibration Title:
Calibration Method: External Calibration
VIS Interpolation Fit:

Level	Standard Data File	Sample Name	Acq. Date-Time
1	004CALB.d	S00	2022-07-15 18:32:27
2	005CAL.S.d	S01	2022-07-15 18:35:18
3	006CAL.S.d	S02	2022-07-15 18:38:12
4	007CAL.S.d	S03	2022-07-15 18:41:03
5	008CAL.S.d	S04	2022-07-15 18:43:49
6	009CAL.S.d	S05	2022-07-15 18:46:34
7	010CAL.S.d	S06	2022-07-15 18:49:21
8	011CAL.S.d	S07	2022-07-15 18:52:05
9	012CAL.S.d	S08	2022-07-15 18:54:52

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

	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	77.78	0.0000	P	21.0
2	☐	0.100	0.096	251.12	0.0001	P	5.6
3	☐	1.000	1.054	2087.94	0.0007	P	3.4
4	☐	50.000	51.143	96187.22	0.0319	P	1.9
5	☐	125.000	128.528	239036.17	0.0802	P	1.9
6	☐	250.000	254.012	459163.89	0.1584	P	1.4
7	☐	500.000	505.691	852086.07	0.3153	P	0.8
8	☐	1000.000	995.653	1604697.79	0.6208	A	1.0
9	☐			734.47	0.0003	P	1.9

$$y = 6.2348\text{E-}004 * x + 2.5841\text{E-}005$$

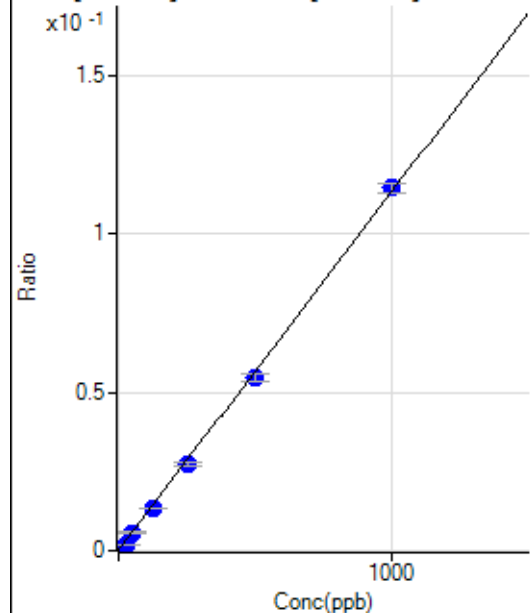
$$R = 1.0000$$

$$DL = 0.02615$$

$$BEC = 0.04145$$

Weight: <None>

Min Conc: 0

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

	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	463.91	0.0002	P	17.3
2	☐	2.500	1.915	1083.40	0.0004	P	4.4
3	☐	25.000	15.778	5920.70	0.0019	P	4.6
4	☐	50.000	48.161	16856.75	0.0056	P	6.4
5	☐	125.000	116.947	39860.18	0.0134	P	2.6
6	☐	250.000	240.568	79241.52	0.0273	P	2.9
7	☐	500.000	484.085	148175.74	0.0548	P	4.5
8	☐	1000.000	1011.646	295814.11	0.1144	P	3.0
9	☐			16728.92	0.0068	P	13.2

$$y = 1.1296\text{E-}004 * x + 1.5413\text{E-}004$$

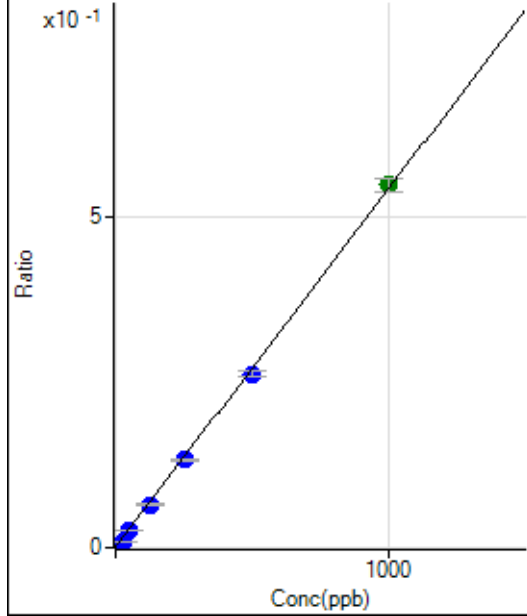
$$R = 0.9998$$

$$DL = 0.7092$$

$$BEC = 1.364$$

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	2541.94	0.0008	P	6.6
2	☐	2.500	1.635	5062.07	0.0017	P	5.8
3	☐	25.000	16.318	29590.09	0.0097	P	6.6
4	☐	50.000	47.409	79864.27	0.0265	P	7.2
5	☐	125.000	118.573	193934.13	0.0650	P	3.7
6	☐	250.000	242.702	383407.70	0.1322	P	4.3
7	☐	500.000	483.597	709560.88	0.2626	P	3.7
8	☐	1000.000	1011.178	1417105.62	0.5482	A	3.6
9	☐			81030.70	0.0328	P	14.8

$$y = 5.4126E-004 * x + 8.4544E-004$$

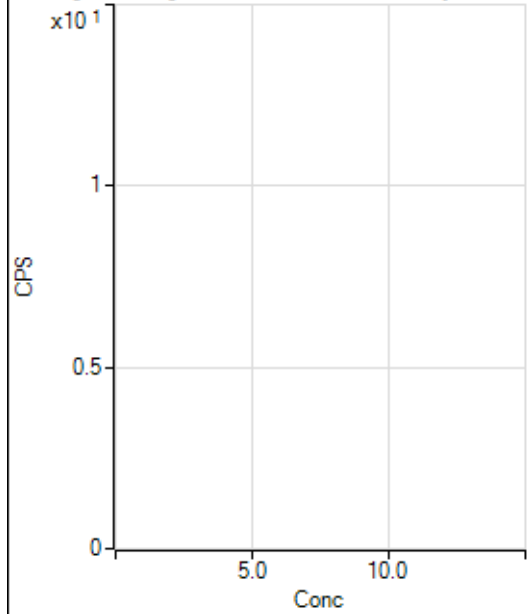
$$R = 0.9998$$

$$DL = 0.3109$$

$$BEC = 1.562$$

Weight: <None>

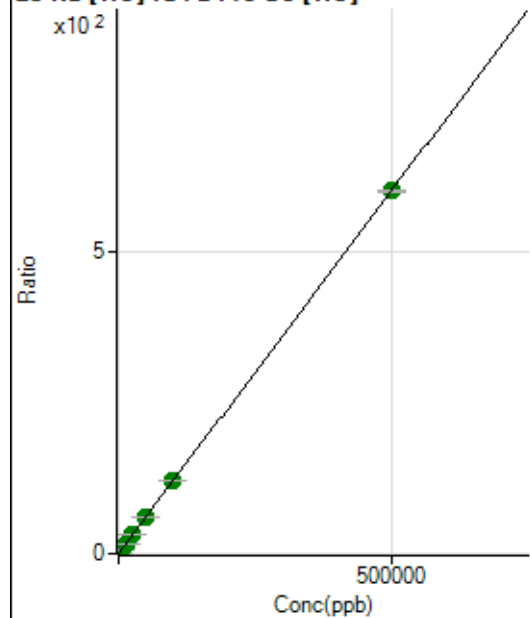
Min Conc: 0

12 C [No Gas] No available calibration points

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

12 C [He] No available calibration points

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

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	29166.68	0.0485	P	0.1
2	☐	50.000	48.812	62904.16	0.1070	P	1.5
3	☐	500.000	489.142	386183.29	0.6353	P	0.5
4	☐	5000.000	5016.341	3575462.23	6.0662	A	0.6
5	☐	12500.000	12769.557	8946053.56	15.3671	A	0.2
6	☐	25000.000	25573.092	17074258.83	30.7266	A	1.3
7	☐	50000.000	50729.313	31928542.38	60.9046	A	0.2
8	☐	100000.00	100186.33	60912604.14	120.2345	A	1.0
9	☐	500000.00	499854.25	301684988.2	599.6860	A	0.6

$$y = 0.0012 * x + 0.0485$$

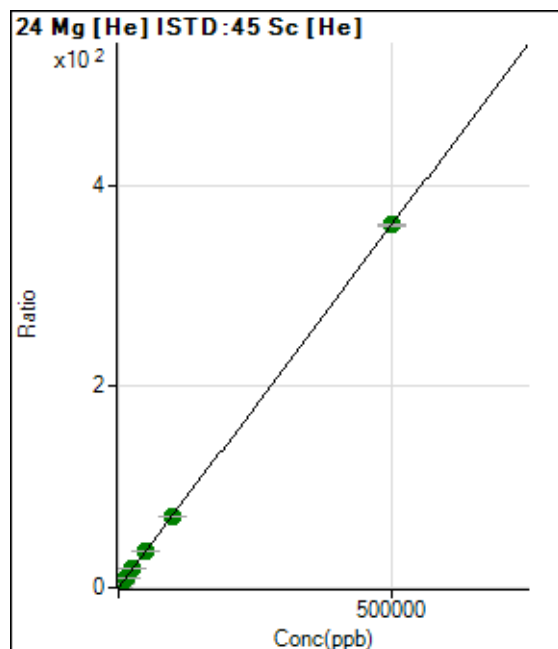
$$R = 1.0000$$

$$DL = 0.1083$$

$$BEC = 40.41$$

Weight: <None>

Min Conc: 0



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	477.79	0.0008	P	4.8
2	☐	50.000	50.231	21761.97	0.0370	P	1.8
3	☐	500.000	502.233	220705.21	0.3631	P	0.4
4	☐	5000.000	4963.066	2110621.02	3.5806	A	0.8
5	☐	12500.000	12749.336	5353824.37	9.1968	A	2.0
6	☐	25000.000	25372.024	10170658.56	18.3014	A	1.4
7	☐	50000.000	50051.769	18926484.68	36.1027	A	0.3
8	☐	100000.00	98231.211	35895467.24	70.8542	A	0.4
9	☐	500000.00	500324.11	181549359.6	360.8805	A	0.6

$$y = 7.2129\text{E-}004 * x + 7.9423\text{E-}004$$

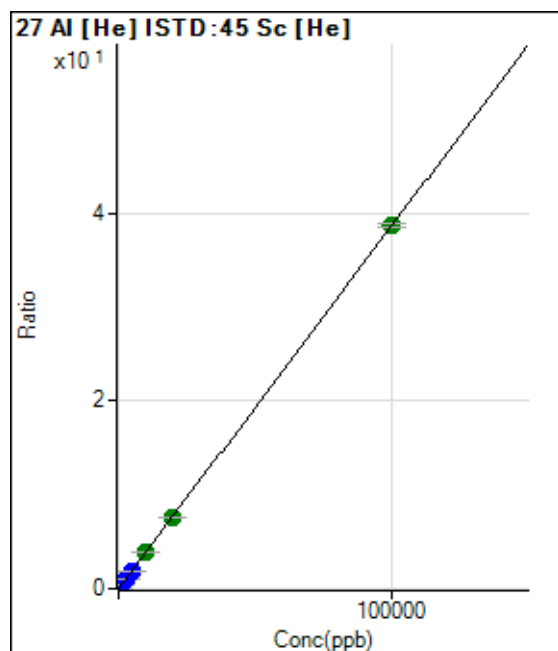
$$R = 1.0000$$

$$DL = 0.1576$$

$$BEC = 1.101$$

Weight: <None>

Min Conc: 0



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	318.53	0.0005	P	20.7
2	☐	2.000	2.135	796.33	0.0014	P	8.5
3	☐	20.000	19.966	5013.86	0.0082	P	1.4
4	☐	1000.000	994.721	226951.39	0.3851	P	0.9
5	☐	2500.000	2513.104	565883.14	0.9721	P	0.5
6	☐	5000.000	5007.346	1076057.38	1.9363	P	0.5
7	☐	10000.000	10057.107	2038431.25	3.8884	A	0.1
8	☐	20000.000	19699.666	3858286.69	7.6161	A	1.3
9	☐	100000.00	100053.71	19458370.81	38.6796	A	0.9

$$y = 3.8658\text{E-}004 * x + 5.2941\text{E-}004$$

$$R = 1.0000$$

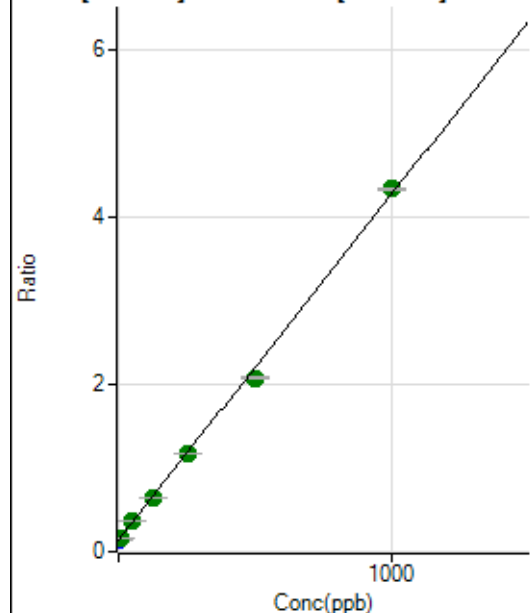
$$DL = 0.8501$$

$$BEC = 1.369$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	1028542.89	0.1412	P	0.4
2	☐	1.000	1.856	1060610.09	0.1489	P	2.2
3	☐	10.000	4.663	1178234.05	0.1605	A	0.6
4	☐	50.000	53.255	2595074.56	0.3614	A	0.5
5	☐	125.000	121.820	4500929.09	0.6447	A	0.7
6	☐	250.000	250.003	7834430.47	1.1745	A	1.0
7	☐	500.000	469.115	12907276.07	2.0802	A	0.9
8	☐	1000.000	1015.729	25927781.13	4.3394	A	0.7
9	☐			1242667.67	0.2138	A	1.6

$$y = 0.0041 * x + 0.1412$$

$$R = 0.9993$$

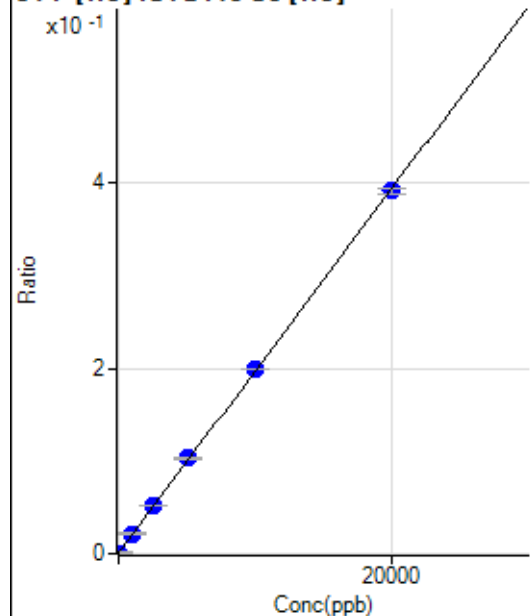
$$DL = 0.4509$$

$$BEC = 34.17$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	-8.786	288.90	0.0005	P	25.1
2	☐	0.000	-3.397	344.46	0.0006	P	15.1
3	☐	0.000	12.183	541.69	0.0009	P	39.8
4	☐	1000.000	1063.512	12697.21	0.0215	P	3.2
5	☐	2500.000	2628.304	30436.47	0.0523	P	1.2
6	☐	5000.000	5212.701	57274.46	0.1031	P	2.2
7	☐	10000.000	10072.297	104064.72	0.1985	P	0.4
8	☐	20000.000	19891.462	198281.33	0.3914	P	1.8
9	☐			400.02	0.0008	P	16.8

$$y = 1.9644E-005 * x + 6.5220E-004$$

$$R = 0.9999$$

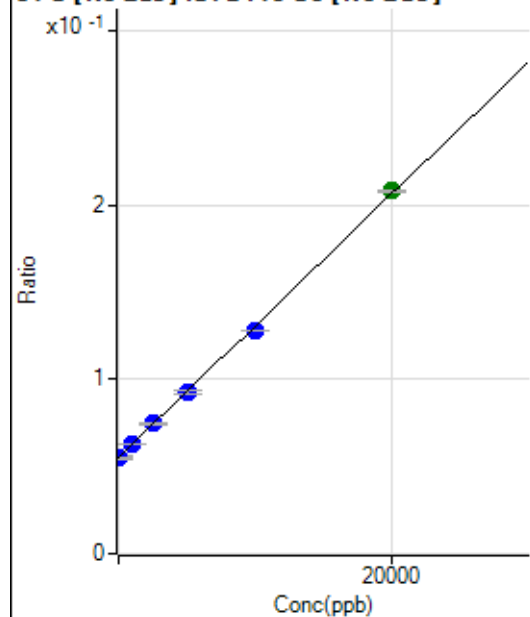
$$DL = 28.68$$

$$BEC = 33.2$$

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	25.131	403729.37	0.0554	P	0.5
2	☐	0.000	32.566	395260.21	0.0555	P	2.2
3	☐	0.000	-57.697	402341.93	0.0548	P	1.1
4	☐	1000.000	1001.894	451236.62	0.0628	P	0.7
5	☐	2500.000	2543.590	520102.40	0.0745	P	0.3
6	☐	5000.000	4933.658	617517.77	0.0926	P	2.5
7	☐	10000.000	9599.569	793692.96	0.1279	P	0.4
8	☐	20000.000	20211.258	1244180.38	0.2082	A	0.7
9	☐			297264.26	0.0512	P	3.3

$$y = 7.5693\text{E-}006 * x + 0.0552$$

$$R = 0.9997$$

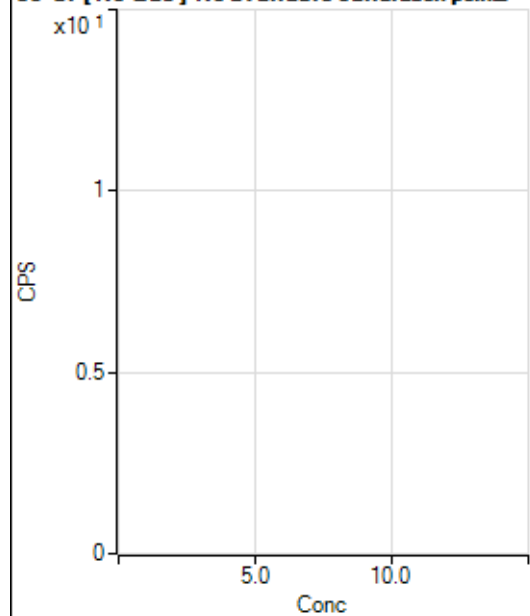
$$DL = 275$$

$$BEC = 7299$$

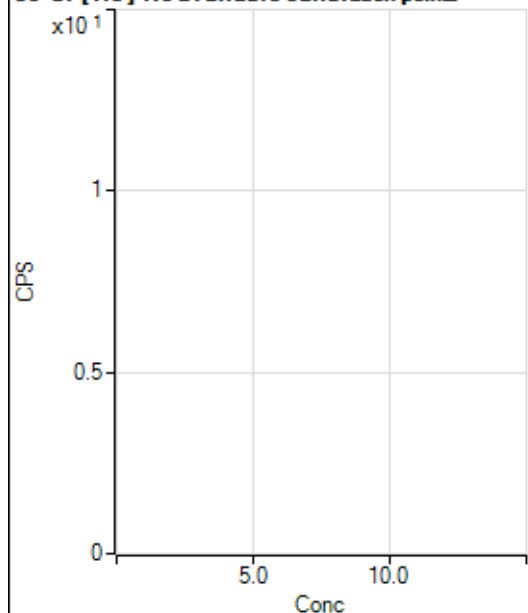
Weight: <None>

Min Conc: 0

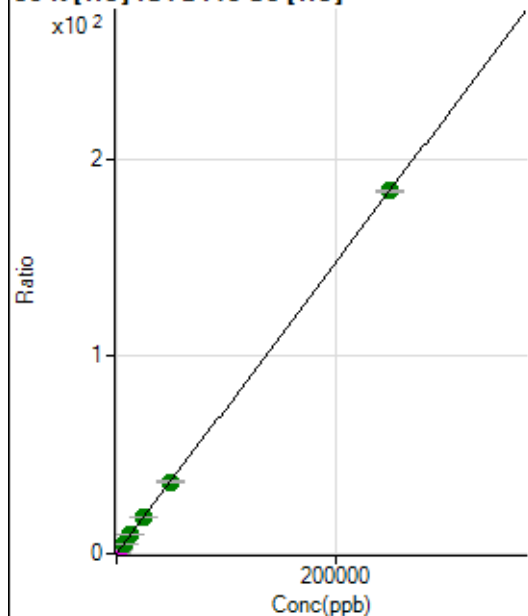
35 Cl [No Gas] No available calibration points



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

35 Cl [He] No available calibration points

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

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	66470.63	0.1105	P	1.1
2	☐	50.000	61.536	91446.72	0.1556	P	3.0
3	☐	500.000	528.729	303085.11	0.4986	P	0.0
4	☐	2500.000	2609.384	1193853.05	2.0258	M	2.6
5	☐	6250.000	6431.183	2812413.88	4.8310	A	0.6
6	☐	12500.000	12621.702	5209853.68	9.3749	A	0.2
7	☐	25000.000	24936.303	9653235.20	18.4139	A	0.3
8	☐	50000.000	49140.427	18329024.19	36.1799	A	2.0
9	☐	250000.00	250166.51	92431294.43	183.7344	A	0.8

$$y = 7.3401\text{E-}004 * x + 0.1105$$

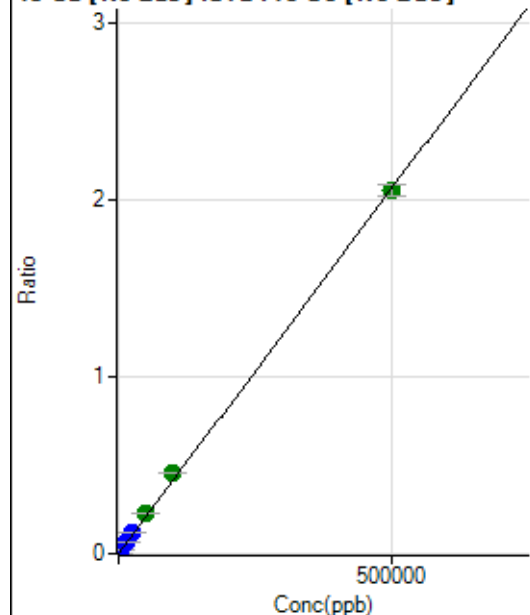
$$R = 1.0000$$

$$DL = 4.829$$

$$BEC = 150.5$$

Weight: <None>

Min Conc: 0

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

	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	180.56	0.0000	P	26.8
2	☐	50.000	50.381	1655.69	0.0002	P	3.3
3	☐	500.000	484.666	14840.89	0.0020	P	0.7
4	☐	5000.000	5790.404	171521.19	0.0239	P	1.2
5	☐	12500.000	14545.362	418566.61	0.0600	P	0.6
6	☐	25000.000	29307.006	805663.40	0.1208	P	1.0
7	☐	50000.000	55507.671	1419338.46	0.2287	A	0.5
8	☐	100000.00	110287.46	2715307.94	0.4545	A	1.2
9	☐	500000.00	497117.36	11901956.00	2.0484	A	3.1

$$y = 4.1205E-006 * x + 2.4778E-005$$

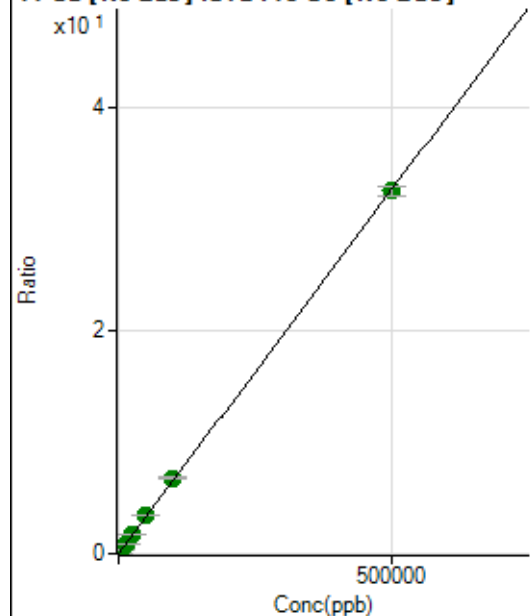
$$R = 0.9997$$

$$DL = 4.829$$

$$BEC = 6.013$$

Weight: <None>

Min Conc: 0

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

	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	9128.00	0.0013	P	1.8
2	☐	50.000	52.911	33493.24	0.0047	P	3.6
3	☐	500.000	497.971	247541.39	0.0337	P	0.6
4	☐	5000.000	5234.958	2460367.31	0.3426	A	0.8
5	☐	12500.000	13133.122	5986673.09	0.8576	A	1.3
6	☐	25000.000	26605.604	11581168.31	1.7361	A	0.1
7	☐	50000.000	52740.124	21345917.32	3.4402	A	0.6
8	☐	100000.00	104237.32	40617813.75	6.7981	A	0.6
9	☐	500000.00	498780.06	189012088.9	32.5244	A	2.3

$$y = 6.5205E-005 * x + 0.0013$$

$$R = 1.0000$$

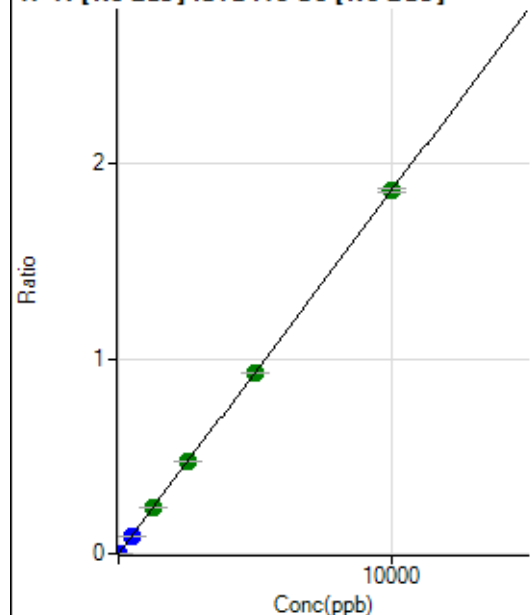
$$DL = 1.042$$

$$BEC = 19.22$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	161.12	0.0000	P	16.1
2	☐	0.500	0.533	866.71	0.0001	P	17.5
3	☐	5.000	4.939	6912.85	0.0009	P	2.2
4	☐	500.000	499.752	668354.41	0.0931	P	0.7
5	☐	1250.000	1269.445	1650095.50	0.2364	A	0.7
6	☐	2500.000	2526.213	3137504.76	0.4704	A	0.6
7	☐	5000.000	4991.270	5766294.22	0.9293	A	0.4
8	☐	10000.000	9995.394	11119667.26	1.8610	A	1.2
9	☐			3589.41	0.0006	P	8.4

$$y = 1.8618E-004 * x + 2.2133E-005$$

$$R = 1.0000$$

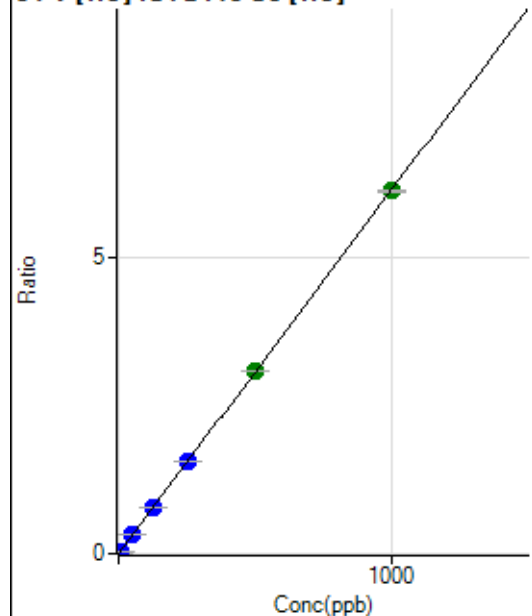
$$DL = 0.05735$$

$$BEC = 0.1189$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	17.78	0.0000	P	47.1
2	☐	0.500	0.487	1775.68	0.0030	P	4.9
3	☐	5.000	5.084	19008.72	0.0313	P	1.0
4	☐	50.000	50.621	183342.77	0.3111	P	0.4
5	☐	125.000	127.800	457143.06	0.7853	P	0.7
6	☐	250.000	254.538	869073.71	1.5640	P	0.9
7	☐	500.000	501.925	1616709.21	3.0840	A	0.2
8	☐	1000.000	997.522	3105164.05	6.1291	A	0.5
9	☐			1160.05	0.0023	P	4.2

$$y = 0.0061 * x + 2.9525E-005$$

$$R = 1.0000$$

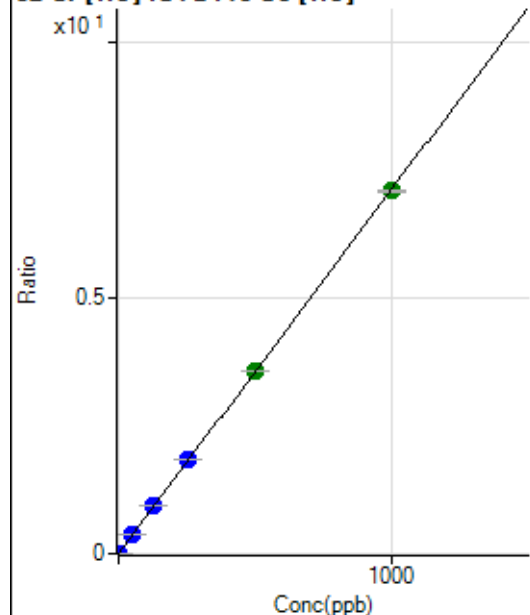
$$DL = 0.006793$$

$$BEC = 0.004805$$

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	1121.17	0.0019	P	3.6
2	☐	0.200	0.263	2193.52	0.0037	P	4.8
3	☐	2.000	2.034	9921.13	0.0163	P	0.7
4	☐	50.000	51.609	217298.24	0.3687	P	0.6
5	☐	125.000	129.734	537875.09	0.9240	P	0.7
6	☐	250.000	257.703	1018856.83	1.8335	P	0.5
7	☐	500.000	502.178	1872107.61	3.5711	A	0.2
8	☐	1000.000	996.313	3588498.32	7.0832	A	0.2
9	☐			9680.97	0.0192	P	3.3

$$y = 0.0071 * x + 0.0019$$

$$R = 1.0000$$

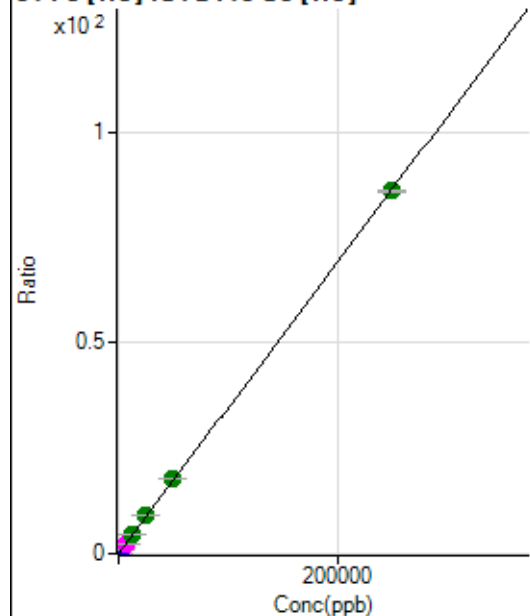
$$DL = 0.02862$$

$$BEC = 0.2621$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	1171.26	0.0019	P	18.1
2	☐	5.000	6.861	2532.82	0.0043	P	5.6
3	☐	50.000	57.273	13179.26	0.0217	P	3.2
4	☐	2500.000	2761.218	561896.18	0.9533	P	0.3
5	☐	6250.000	6735.343	1352056.25	2.3225	M	2.4
6	☐	12500.000	13368.738	2561078.26	4.6080	A	2.1
7	☐	25000.000	26162.107	4726511.92	9.0159	A	0.9
8	☐	50000.000	51787.666	9040450.65	17.8449	A	0.1
9	☐	250000.00	249468.07	43241003.65	85.9540	A	0.8

$$y = 3.4454E-004 * x + 0.0019$$

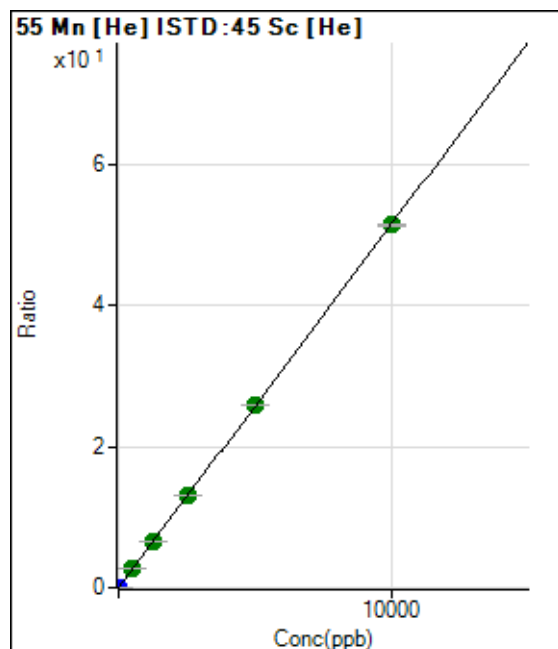
$$R = 1.0000$$

$$DL = 3.077$$

$$BEC = 5.652$$

Weight: <None>

Min Conc: 0



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	182.23	0.0003	P	10.8
2	☐	0.100	0.225	858.92	0.0015	P	8.3
3	☐	1.000	1.076	3551.56	0.0058	P	2.6
4	☐	500.000	515.248	1563584.98	2.6529	A	1.1
5	☐	1250.000	1273.212	3816029.73	6.5551	A	0.7
6	☐	2500.000	2533.816	7250288.29	13.0450	A	1.4
7	☐	5000.000	5019.404	13547198.55	25.8413	A	0.5
8	☐	10000.000	9978.180	26024704.89	51.3702	A	0.2
9	☐			20124.67	0.0400	P	1.1

$$y = 0.0051 * x + 3.0280E-004$$

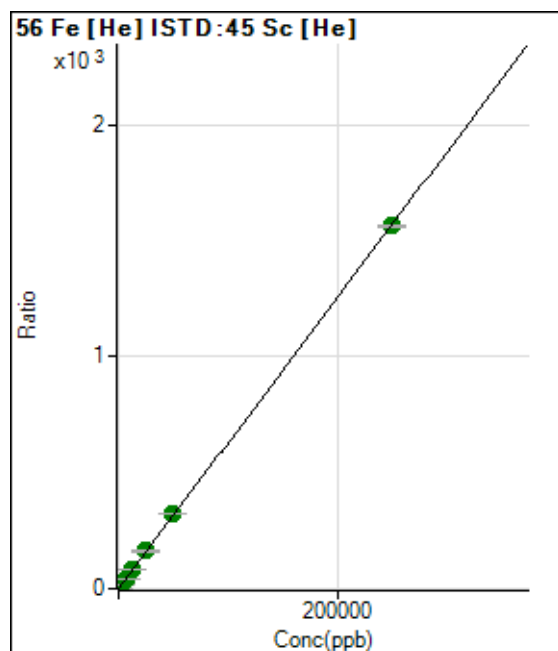
$$R = 1.0000$$

$$DL = 0.01906$$

$$BEC = 0.05882$$

Weight: <None>

Min Conc: 0



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	13061.41	0.0217	P	2.5
2	☐	5.000	6.220	35649.91	0.0607	P	1.6
3	☐	50.000	52.788	214128.84	0.3522	P	0.3
4	☐	2500.000	2617.122	9671458.67	16.4084	A	0.5
5	☐	6250.000	6589.674	24031951.46	41.2820	A	1.1
6	☐	12500.000	13120.434	45663326.48	82.1734	A	0.5
7	☐	25000.000	25801.452	84702988.00	161.5737	A	0.4
8	☐	50000.000	51314.792	162780566.6	321.3217	A	0.6
9	☐	250000.00	249616.21	786301002.7	1,562.956	A	0.3

$$y = 0.0063 * x + 0.0217$$

$$R = 1.0000$$

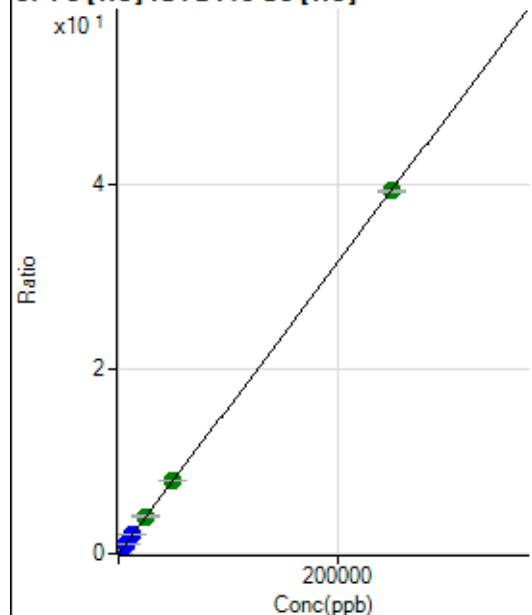
$$DL = 0.2624$$

$$BEC = 3.467$$

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	555.58	0.0009	P	10.0
2	☐	5.000	6.841	1174.14	0.0020	P	8.2
3	☐	50.000	53.366	5664.11	0.0093	P	2.9
4	☐	2500.000	2671.865	248261.78	0.4212	P	0.6
5	☐	6250.000	6716.909	615627.58	1.0575	P	0.5
6	☐	12500.000	13319.945	1164766.40	2.0962	P	1.1
7	☐	25000.000	25767.876	2125344.07	4.0542	A	0.7
8	☐	50000.000	50659.089	4037406.17	7.9697	A	0.9
9	☐	250000.00	249737.00	19763280.54	39.2849	A	0.4

$$y = 1.5730E-004 * x + 9.2307E-004$$

$$R = 1.0000$$

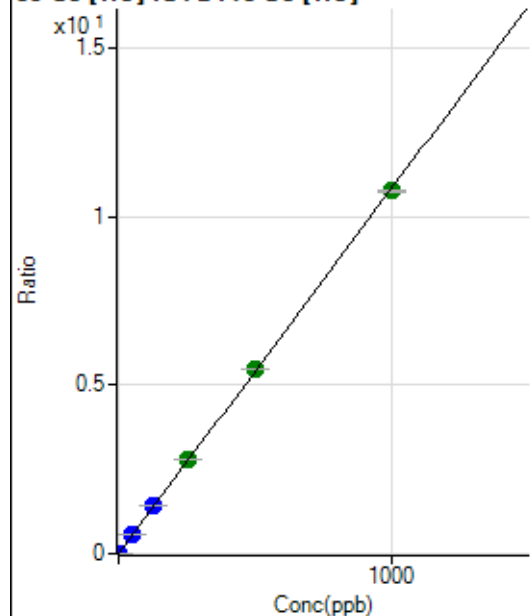
$$DL = 1.768$$

$$BEC = 5.868$$

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	103.33	0.0002	P	6.0
2	☐	0.100	0.103	755.58	0.0013	P	6.6
3	☐	1.000	1.020	6818.27	0.0112	P	1.1
4	☐	50.000	52.630	336037.86	0.5701	P	0.1
5	☐	125.000	131.808	831044.38	1.4276	P	0.9
6	☐	250.000	258.605	1556362.54	2.8007	A	0.3
7	☐	500.000	506.186	2873628.95	5.4818	A	0.7
8	☐	1000.000	993.773	5452103.11	10.7620	A	0.4
9	☐			10911.82	0.0217	P	1.5

$$y = 0.0108 * x + 1.7171E-004$$

$$R = 0.9999$$

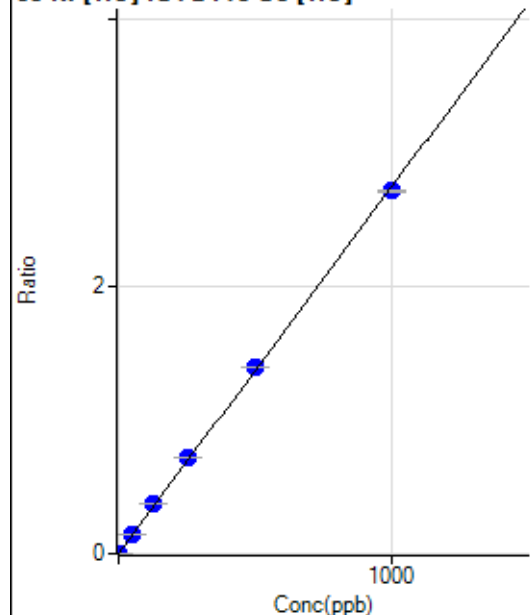
$$DL = 0.002874$$

$$BEC = 0.01586$$

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	96.67	0.0002	P	20.9
2	☐	0.100	0.477	862.26	0.0015	P	13.5
3	☐	1.000	1.157	2025.72	0.0033	P	9.0
4	☐	50.000	54.346	87878.89	0.1491	P	1.8
5	☐	125.000	134.712	214982.64	0.3693	P	0.8
6	☐	250.000	263.653	401544.69	0.7226	P	0.6
7	☐	500.000	510.840	733888.41	1.3999	P	0.1
8	☐	1000.000	989.735	1373986.00	2.7122	P	0.8
9	☐			4407.36	0.0088	P	1.5

$$y = 0.0027 * x + 1.6053E-004$$

$$R = 0.9998$$

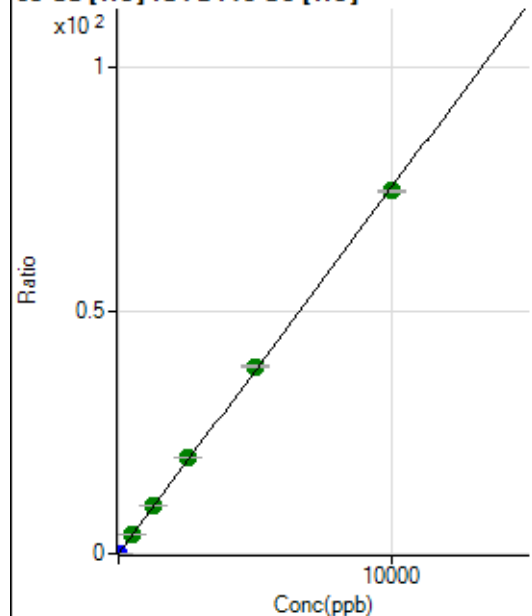
$$DL = 0.03669$$

$$BEC = 0.05858$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	1075.61	0.0018	P	13.7
2	☐	0.200	0.256	2186.85	0.0037	P	4.1
3	☐	2.000	2.127	10835.12	0.0178	P	0.0
4	☐	500.000	536.312	2384468.56	4.0452	A	0.4
5	☐	1250.000	1326.765	5824239.08	10.0047	A	0.5
6	☐	2500.000	2605.045	10915444.56	19.6421	A	0.3
7	☐	5000.000	5112.051	20204829.56	38.5432	A	1.3
8	☐	10000.000	9906.302	37837067.77	74.6887	A	0.5
9	☐			14457.07	0.0287	P	1.1

$$y = 0.0075 * x + 0.0018$$

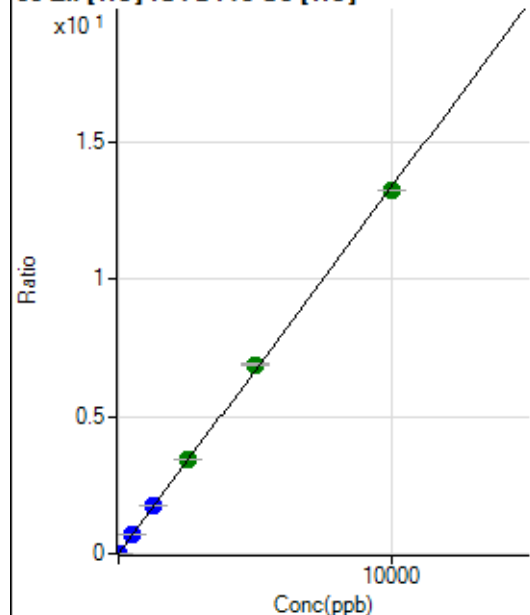
$$R = 0.9998$$

$$DL = 0.09782$$

$$BEC = 0.2373$$

Weight: <None>

Min Conc: 0

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

	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	480.01	0.0008	P	6.7
2	☐	0.200	1.261	1456.75	0.0025	P	3.8
3	☐	2.000	2.206	2273.53	0.0037	P	5.9
4	☐	500.000	522.803	411407.60	0.6980	P	0.3
5	☐	1250.000	1323.181	1027680.80	1.7653	P	0.3
6	☐	2500.000	2581.416	1913452.63	3.4432	A	0.5
7	☐	5000.000	5152.161	3602190.68	6.8714	A	0.9
8	☐	10000.000	9893.278	6684218.37	13.1939	A	0.0
9	☐			7097.29	0.0141	P	2.2

$$y = 0.0013 * x + 7.9793E-004$$

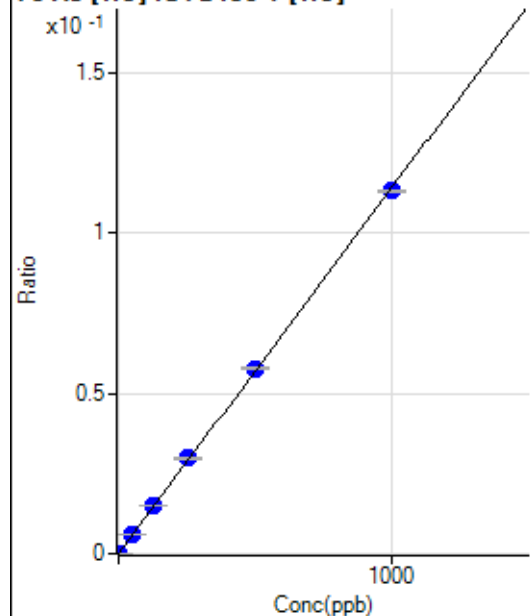
$$R = 0.9998$$

$$DL = 0.1199$$

$$BEC = 0.5984$$

Weight: <None>

Min Conc: 0

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

	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	16.67	0.0000	P	21.7
2	☐	0.100	0.094	60.50	0.0000	P	15.9
3	☐	1.000	1.046	538.90	0.0001	P	6.8
4	☐	50.000	52.258	25033.42	0.0060	P	0.7
5	☐	125.000	131.230	62703.58	0.0149	P	2.4
6	☐	250.000	261.890	119082.82	0.0298	P	1.6
7	☐	500.000	507.201	221494.71	0.0578	P	0.5
8	☐	1000.000	992.535	423207.26	0.1130	P	0.6
9	☐			345.68	0.0001	P	11.4

$$y = 1.1389E-004 * x + 3.8252E-006$$

$$R = 0.9999$$

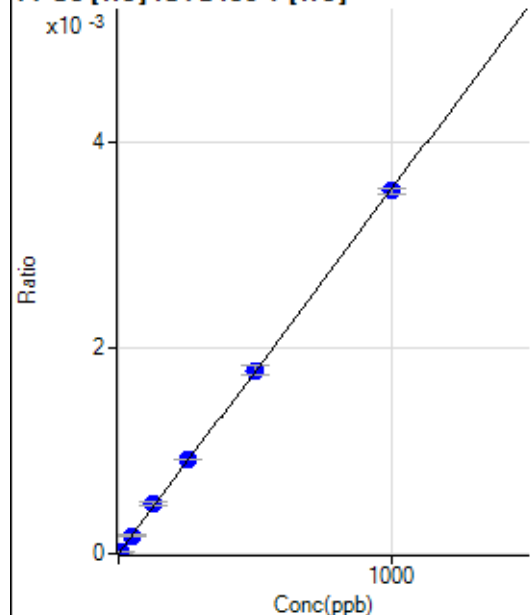
$$DL = 0.02187$$

$$BEC = 0.03359$$

Weight: <None>

Min Conc: 0

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



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	2.22	0.0000	P	173.2
2	☐	0.500	0.079	3.33	0.0000	P	99.3
3	☐	5.000	5.718	91.11	0.0000	P	9.0
4	☐	50.000	48.418	723.36	0.0002	P	10.3
5	☐	125.000	136.486	2031.27	0.0005	P	8.9
6	☐	250.000	258.363	3659.38	0.0009	P	1.6
7	☐	500.000	503.035	6839.41	0.0018	P	4.8
8	☐	1000.000	995.032	13208.20	0.0035	P	1.4
9	☐			3.33	0.0000	P	99.9

$$y = 3.5454\text{E-}006 * x + 5.1724\text{E-}007$$

$$R = 0.9999$$

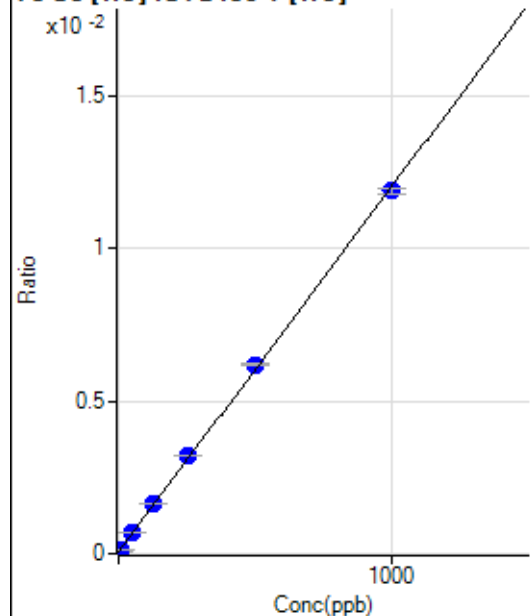
$$DL = 0.7581$$

$$BEC = 0.1459$$

Weight: <None>

Min Conc: 0

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



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	267.91	0.0001	P	6.6
2	☐	0.500	0.277	270.99	0.0001	P	5.1
3	☐	5.000	4.833	522.85	0.0001	P	5.6
4	☐	50.000	53.819	2961.42	0.0007	P	1.7
5	☐	125.000	131.623	6853.48	0.0016	P	3.2
6	☐	250.000	263.225	12800.62	0.0032	P	1.4
7	☐	500.000	513.169	23743.07	0.0062	P	0.8
8	☐	1000.000	989.091	44473.22	0.0119	P	1.6
9	☐			213.58	0.0001	P	11.2

$$y = 1.1947\text{E-}005 * x + 6.1566\text{E-}005$$

$$R = 0.9998$$

$$DL = 1.027$$

$$BEC = 5.153$$

Weight: <None>

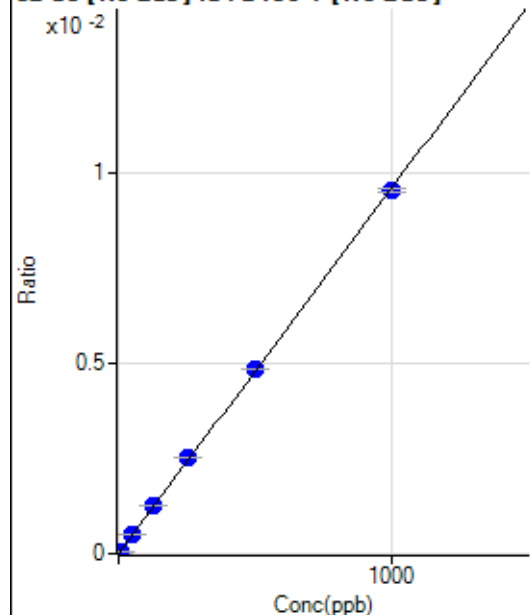
Min Conc: 0

81 Br [No Gas] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			20122.52		P	1.8
2	☐			20114.16		P	2.0
3	☐			19977.87		P	2.7
4	☐			19221.33		P	3.1
5	☐			18812.46		P	1.6
6	☐			18381.29		P	2.9
7	☐			16392.88		P	2.0
8	☐			15895.06		P	0.7
9	☐			15611.38		P	2.1

81 Br [He] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			100.10		P	30.0
2	☐			93.43		P	34.4
3	☐			120.12		P	14.4
4	☐			93.43		P	22.3
5	☐			70.07		P	51.5
6	☐			90.09		P	19.2
7	☐			90.09		P	50.9
8	☐			100.10		P	36.1
9	☐			76.74		P	27.2

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	-59.60	0.0000	P	-103.
2	☐	0.500	1.203	144.82	0.0000	P	55.0
3	☐	5.000	5.539	901.56	0.0000	P	4.2
4	☐	50.000	52.802	8958.23	0.0005	P	1.0
5	☐	125.000	131.676	22242.56	0.0013	P	1.5
6	☐	250.000	262.385	43078.90	0.0025	P	1.3
7	☐	500.000	505.427	78789.48	0.0048	P	0.3
8	☐	1000.000	993.213	149624.65	0.0095	P	1.2
9	☐			148.48	0.0000	P	48.0

$$y = 9.5984\text{E-}006 * x - 3.3015\text{E-}006$$

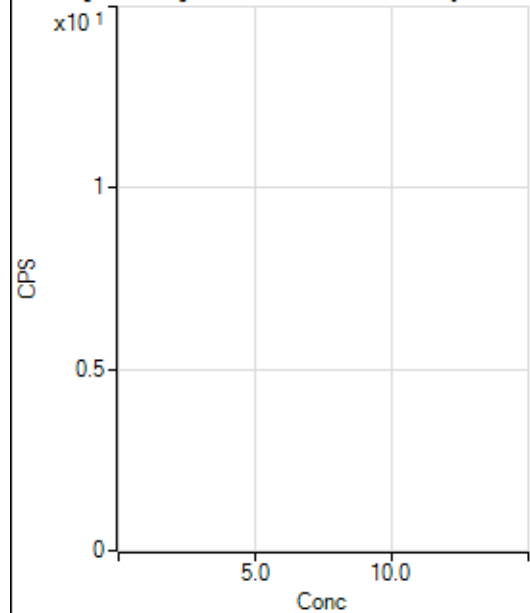
$$R = 0.9999$$

$$DL = 1.063$$

$$BEC = -0.344$$

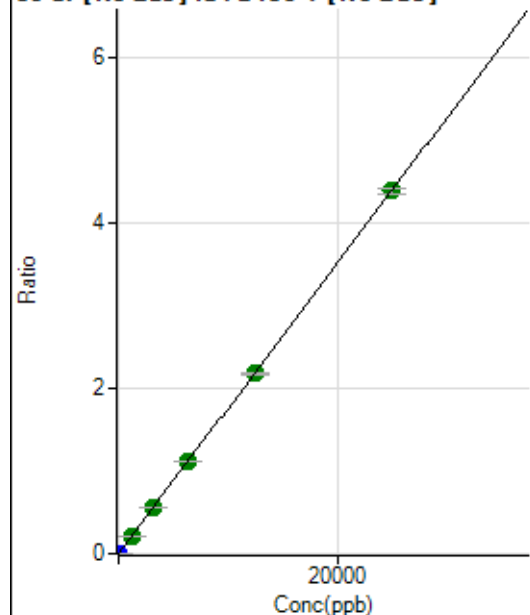
Weight: <None>

Min Conc: 0

83 Kr [No Gas] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			948.93		P	3.2
2	☐			847.81		P	10.5
3	☐			924.48		P	2.9
4	☐			868.92		P	3.6
5	☐			913.37		P	8.3
6	☐			871.15		P	5.5
7	☐			774.47		P	4.3
8	☐			750.03		P	8.9
9	☐			773.36		P	10.8

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	1477.89	0.0001	P	4.5
2	☐	0.100	0.143	1894.62	0.0001	P	7.2
3	☐	1.000	1.059	4850.93	0.0003	P	7.0
4	☐	1250.000	1253.696	3916764.76	0.2201	A	0.2
5	☐	3125.000	3141.673	9732439.80	0.5515	A	0.5
6	☐	6250.000	6312.417	18980372.99	1.1081	A	0.4
7	☐	12500.000	12447.844	35510535.17	2.1850	A	1.1
8	☐	25000.000	25008.205	68924784.18	4.3898	A	1.8
9	☐			35557.52	0.0024	P	3.0

$$y = 1.7553\text{E-}004 * x + 8.2488\text{E-}005$$

$$R = 1.0000$$

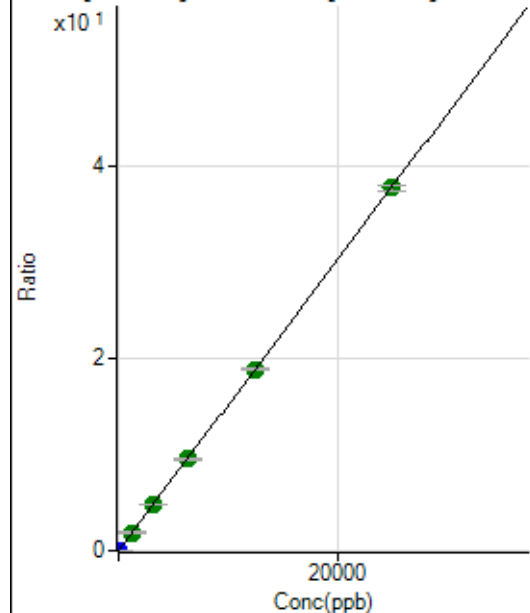
$$DL = 0.06303$$

$$BEC = 0.4699$$

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	716.71	0.0000	P	7.5
2	☐	0.100	0.109	3606.10	0.0002	P	1.9
3	☐	1.000	0.992	27788.01	0.0015	P	0.6
4	☐	1250.000	1256.871	33763060.48	1.8978	A	1.1
5	☐	3125.000	3145.493	83809283.12	4.7495	A	0.6
6	☐	6250.000	6325.033	163573995.3	9.5503	A	1.3
7	☐	12500.000	12499.570	306731020.7	18.8734	A	0.4
8	☐	25000.000	24978.552	592206346.5	37.7156	A	1.4
9	☐			300192.95	0.0201	P	2.2

$$y = 0.0015 * x + 4.0017\text{E-}005$$

$$R = 1.0000$$

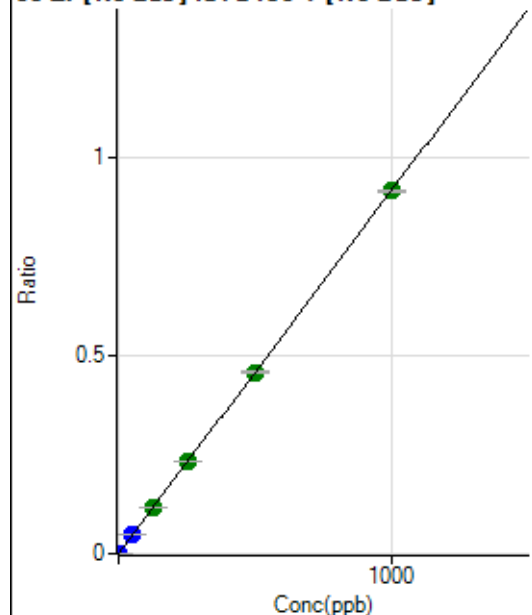
$$DL = 0.005953$$

$$BEC = 0.0265$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	1077.85	0.0001	P	7.7
2	☐	0.100	0.089	2494.71	0.0001	P	9.1
3	☐	1.000	0.950	16818.32	0.0009	P	3.3
4	☐	50.000	50.418	822592.87	0.0462	P	0.6
5	☐	125.000	126.906	2052049.59	0.1163	A	0.5
6	☐	250.000	253.662	3980378.99	0.2324	A	0.4
7	☐	500.000	499.553	7436709.28	0.4576	A	0.5
8	☐	1000.000	999.049	14368996.15	0.9151	A	0.8
9	☐			10681.94	0.0007	P	2.0

$$y = 9.1586\text{E-}004 * x + 6.0149\text{E-}005$$

$$R = 1.0000$$

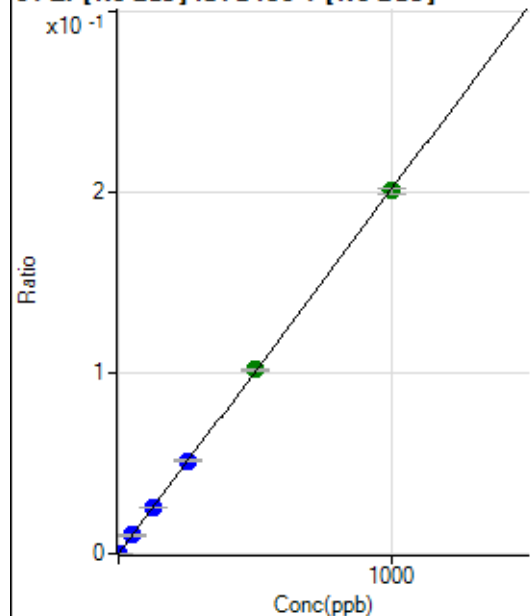
$$DL = 0.01521$$

$$BEC = 0.06567$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	197.23	0.0000	P	10.9
2	☐	0.100	0.092	519.47	0.0000	P	13.9
3	☐	1.000	0.957	3689.45	0.0002	P	4.3
4	☐	50.000	50.149	180228.18	0.0101	P	0.9
5	☐	125.000	128.423	457467.97	0.0259	P	0.7
6	☐	250.000	255.421	882993.18	0.0516	P	0.7
7	☐	500.000	505.026	1656450.99	0.1019	A	0.8
8	☐	1000.000	995.696	3155238.61	0.2009	A	1.3
9	☐			2408.59	0.0002	P	10.9

$$y = 2.0179\text{E-}004 * x + 1.1014\text{E-}005$$

$$R = 1.0000$$

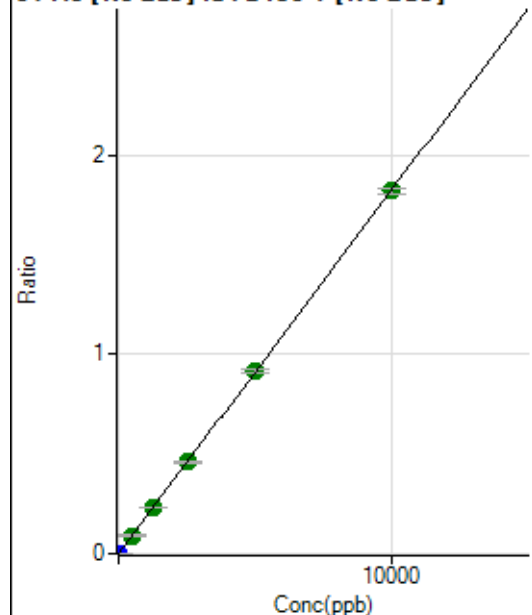
$$DL = 0.01788$$

$$BEC = 0.05458$$

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	361.12	0.0000	P	24.2
2	☐	0.500	0.600	2280.79	0.0001	P	1.8
3	☐	5.000	5.804	19496.78	0.0011	P	3.5
4	☐	500.000	501.672	1627931.97	0.0915	A	0.8
5	☐	1250.000	1270.903	4089963.02	0.2318	A	0.7
6	☐	2500.000	2514.738	7855214.85	0.4586	A	0.5
7	☐	5000.000	5024.928	14892401.03	0.9163	A	1.4
8	☐	10000.000	9981.154	28582293.35	1.8201	A	1.3
9	☐			13211.82	0.0009	P	4.9

$$y = 1.8235E-004 * x + 2.0195E-005$$

$$R = 1.0000$$

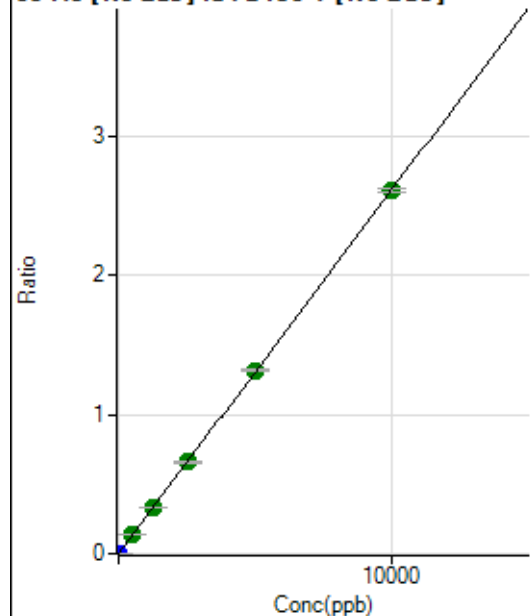
$$DL = 0.08041$$

$$BEC = 0.1107$$

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	91.67	0.0000	P	30.7
2	☐	0.500	0.497	2375.25	0.0001	P	5.5
3	☐	5.000	5.100	24159.34	0.0013	P	1.5
4	☐	500.000	506.630	2353196.80	0.1323	A	1.0
5	☐	1250.000	1274.604	5871940.24	0.3328	A	0.9
6	☐	2500.000	2517.800	11258715.79	0.6573	A	0.8
7	☐	5000.000	5026.005	21324460.55	1.3121	A	1.0
8	☐	10000.000	9979.140	40906158.90	2.6052	A	1.1
9	☐			15583.65	0.0010	P	3.2

$$y = 2.6106E-004 * x + 5.1099E-006$$

$$R = 1.0000$$

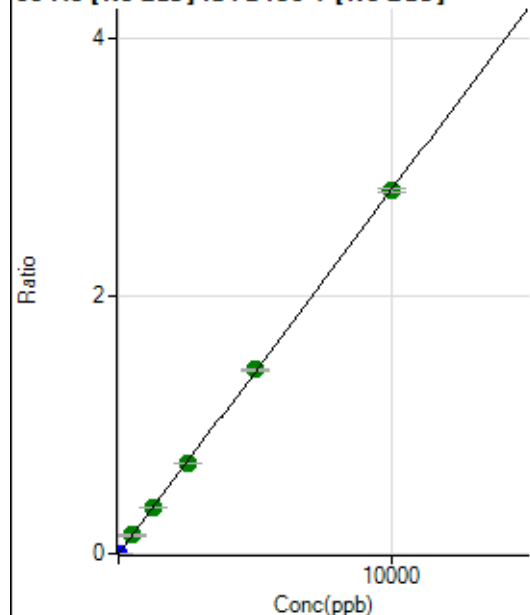
$$DL = 0.01802$$

$$BEC = 0.01957$$

Weight: <None>

Min Conc: 0

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



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	236.12	0.0000	P	18.7
2	☐	0.500	0.502	2725.33	0.0002	P	7.8
3	☐	5.000	5.193	26755.61	0.0015	P	1.9
4	☐	500.000	503.203	2529092.98	0.1422	A	0.8
5	☐	1250.000	1261.695	6288792.20	0.3564	A	1.9
6	☐	2500.000	2494.597	12070411.21	0.7047	A	0.8
7	☐	5000.000	5050.150	23184852.95	1.4266	A	0.5
8	☐	10000.000	9974.654	44239351.68	2.8176	A	1.2
9	☐			22979.59	0.0015	P	3.2

$$y = 2.8248\text{E-}004 * x + 1.3201\text{E-}005$$

$$R = 1.0000$$

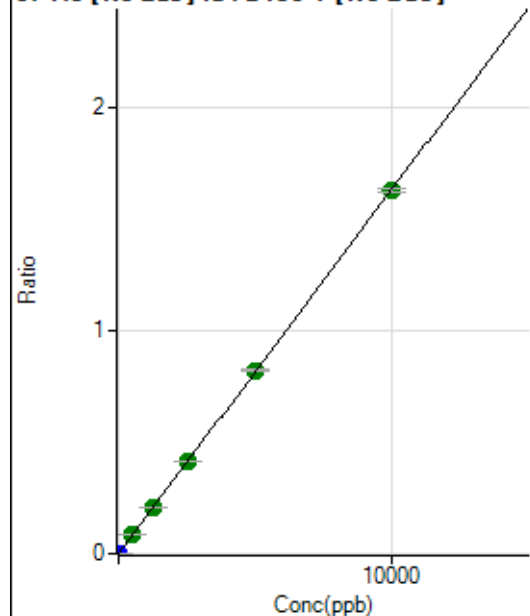
$$DL = 0.02619$$

$$BEC = 0.04673$$

Weight: <None>

Min Conc: 0

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



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	55.55	0.0000	P	68.8
2	☐	0.500	0.488	1452.89	0.0001	P	6.9
3	☐	5.000	5.058	14958.00	0.0008	P	5.6
4	☐	500.000	506.038	1467316.56	0.0825	A	1.3
5	☐	1250.000	1260.240	3624530.59	0.2054	A	0.7
6	☐	2500.000	2527.064	7054745.73	0.4119	A	0.8
7	☐	5000.000	5040.632	13351737.88	0.8215	A	0.5
8	☐	10000.000	9971.336	25517448.31	1.6252	A	1.0
9	☐			9806.33	0.0007	P	3.5

$$y = 1.6298\text{E-}004 * x + 3.0952\text{E-}006$$

$$R = 1.0000$$

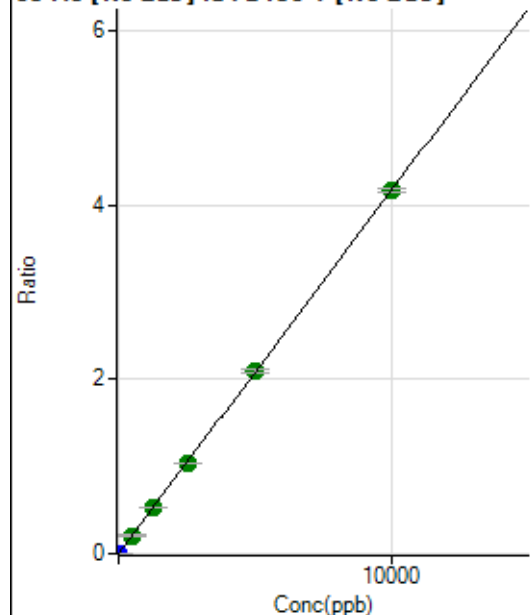
$$DL = 0.0392$$

$$BEC = 0.01899$$

Weight: <None>

Min Conc: 0

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



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	175.00	0.0000	P	18.8
2	☐	0.500	0.484	3728.34	0.0002	P	5.6
3	☐	5.000	5.015	37997.29	0.0021	P	1.2
4	☐	500.000	501.527	3722215.62	0.2092	A	0.8
5	☐	1250.000	1253.070	9223772.43	0.5227	A	1.3
6	☐	2500.000	2503.469	17888336.51	1.0443	A	0.6
7	☐	5000.000	5029.862	34098634.10	2.0982	A	1.3
8	☐	10000.000	9983.742	65390924.38	4.1647	A	1.0
9	☐			24540.52	0.0016	P	3.9

$$y = 4.1715\text{E-}004 * x + 9.7685\text{E-}006$$

$$R = 1.0000$$

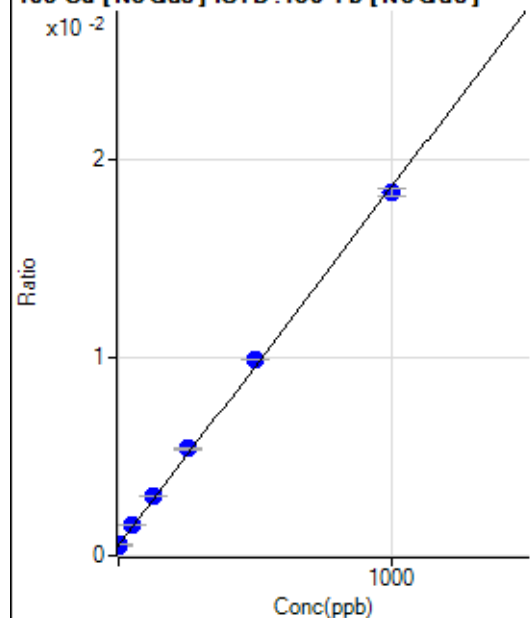
$$DL = 0.0132$$

$$BEC = 0.02342$$

Weight: <None>

Min Conc: 0

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



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	7054.67	0.0005	P	3.7
2	☐	0.100	2.238	7491.02	0.0006	P	2.8
3	☐	1.000	3.485	7957.94	0.0006	P	0.8
4	☐	50.000	55.972	20807.07	0.0015	P	1.3
5	☐	125.000	139.024	41769.06	0.0030	P	1.3
6	☐	250.000	270.250	73347.48	0.0054	P	1.8
7	☐	500.000	518.651	130640.54	0.0099	P	1.0
8	☐	1000.000	983.557	238149.61	0.0184	P	2.2
9	☐			5931.95	0.0005	P	5.0

$$y = 1.8135\text{E-}005 * x + 5.1456\text{E-}004$$

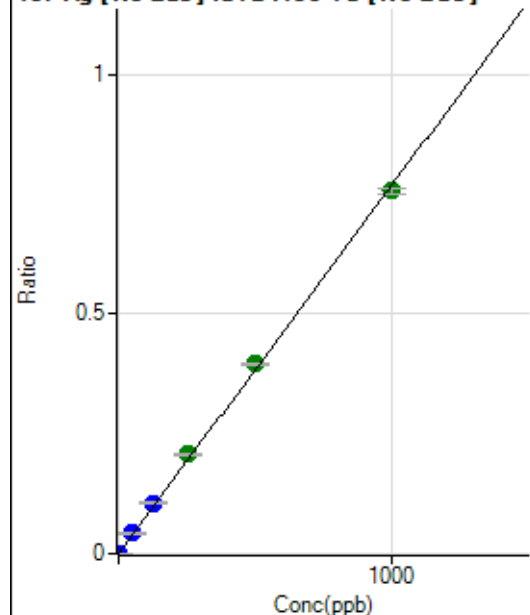
$$R = 0.9995$$

$$DL = 3.18$$

$$BEC = 28.37$$

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	69.45	0.0000	P	7.2
2	☐	0.100	0.053	616.70	0.0000	P	9.3
3	☐	1.000	0.789	8410.99	0.0006	P	10.8
4	☐	50.000	55.269	577035.82	0.0424	P	1.9
5	☐	125.000	137.820	1455378.02	0.1058	P	1.0
6	☐	250.000	269.673	2803622.07	0.2070	A	0.4
7	☐	500.000	514.877	5203571.82	0.3951	A	1.6
8	☐	1000.000	985.778	9817246.92	0.7565	A	1.5
9	☐			6051.43	0.0005	P	3.8

$$y = 7.6745\text{E-}004 * x + 5.0664\text{E-}006$$

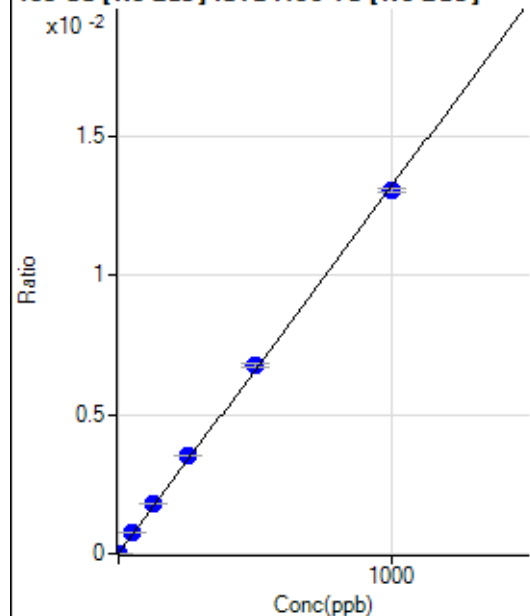
$$R = 0.9996$$

$$DL = 0.001427$$

$$BEC = 0.006602$$

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	91.67	0.0000	P	20.1
2	☐	0.100	0.126	112.50	0.0000	P	16.9
3	☐	1.000	1.222	313.89	0.0000	P	1.8
4	☐	50.000	55.689	10073.06	0.0007	P	0.9
5	☐	125.000	136.344	24811.60	0.0018	P	1.1
6	☐	250.000	266.510	47658.65	0.0035	P	1.6
7	☐	500.000	512.877	89087.88	0.0068	P	1.1
8	☐	1000.000	987.732	168990.55	0.0130	P	1.1
9	☐			147.22	0.0000	P	8.8

$$y = 1.3177\text{E-}005 * x + 6.6894\text{E-}006$$

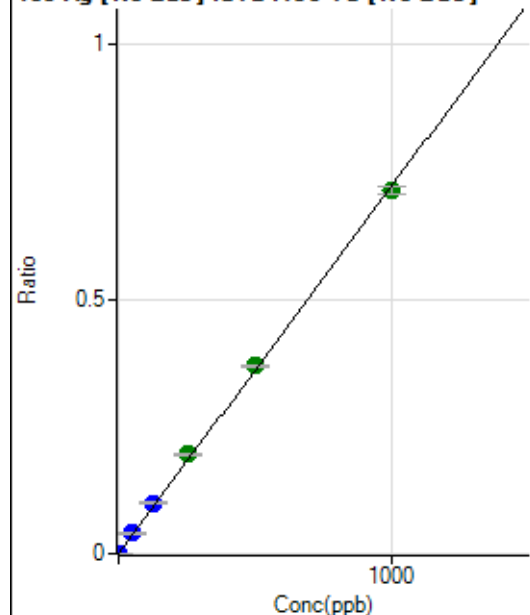
$$R = 0.9997$$

$$DL = 0.3061$$

$$BEC = 0.5077$$

Weight: <None>

Min Conc: 0

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

	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	25.00	0.0000	P	57.9
2	☐	0.100	0.059	594.47	0.0000	P	12.3
3	☐	1.000	0.804	8013.56	0.0006	P	14.8
4	☐	50.000	55.089	540743.88	0.0398	P	2.1
5	☐	125.000	138.429	1374348.30	0.0999	P	0.7
6	☐	250.000	270.072	2639564.27	0.1949	A	1.3
7	☐	500.000	510.927	4855111.00	0.3687	A	0.9
8	☐	1000.000	987.586	9247468.70	0.7126	A	2.0
9	☐			5451.16	0.0004	P	7.7

$$y = 7.2157\text{E-}004 * x + 1.8255\text{E-}006$$

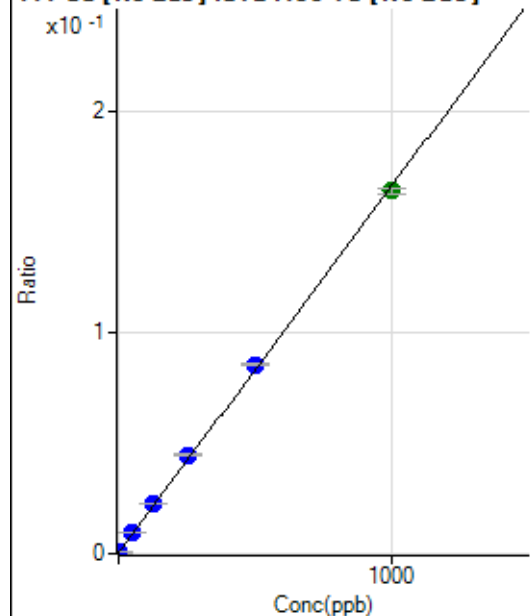
$$R = 0.9996$$

$$DL = 0.004393$$

$$BEC = 0.00253$$

Weight: <None>

Min Conc: 0

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

	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	4908.82	0.0004	P	3.9
2	☐	0.100	0.275	5446.92	0.0004	P	3.0
3	☐	1.000	1.271	7835.79	0.0006	P	2.3
4	☐	50.000	54.368	127525.53	0.0094	P	1.0
5	☐	125.000	135.721	314630.57	0.0229	P	0.3
6	☐	250.000	267.167	605034.99	0.0447	P	0.8
7	☐	500.000	513.712	1126724.88	0.0856	P	0.6
8	☐	1000.000	987.293	2129492.57	0.1641	A	1.8
9	☐			4822.95	0.0004	P	5.6

$$y = 1.6585\text{E-}004 * x + 3.5804\text{E-}004$$

$$R = 0.9997$$

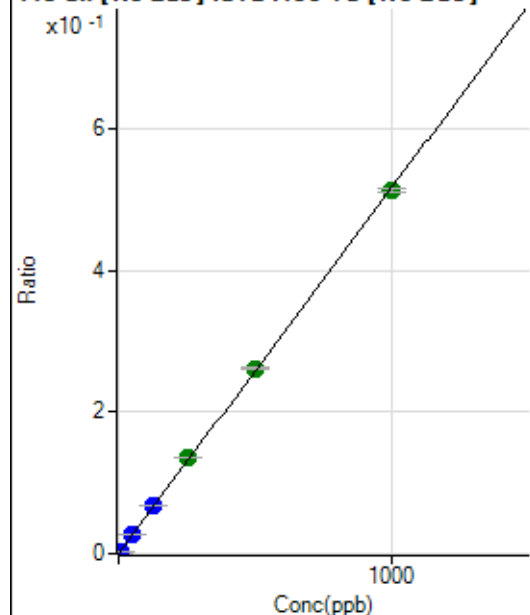
$$DL = 0.2513$$

$$BEC = 2.159$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	2933.72	0.0002	P	4.7
2	☐	0.500	0.704	7794.60	0.0006	P	9.0
3	☐	5.000	5.107	39226.26	0.0028	P	4.5
4	☐	50.000	52.873	373899.21	0.0275	P	1.2
5	☐	125.000	131.733	937857.68	0.0682	P	0.8
6	☐	250.000	262.961	1840347.00	0.1359	A	0.2
7	☐	500.000	506.966	3446589.92	0.2617	A	0.8
8	☐	1000.000	992.291	6644692.03	0.5121	A	1.2
9	☐			8245.07	0.0007	P	9.7

$$y = 5.1582\text{E-}004 * x + 2.1398\text{E-}004$$

$$R = 0.9999$$

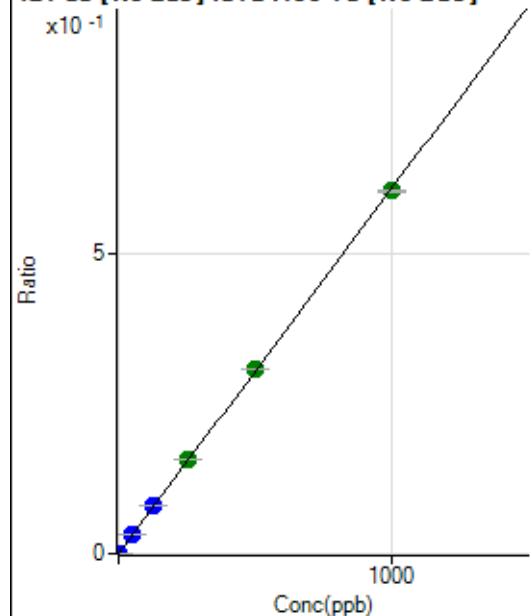
$$DL = 0.05803$$

$$BEC = 0.4148$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	94.45	0.0000	P	18.4
2	☐	0.200	0.197	1705.71	0.0001	P	7.5
3	☐	2.000	2.044	17207.96	0.0012	P	3.4
4	☐	50.000	51.930	429459.89	0.0316	P	1.3
5	☐	125.000	131.008	1095687.87	0.0796	P	1.2
6	☐	250.000	260.098	2141654.71	0.1581	A	0.3
7	☐	500.000	504.867	4041493.41	0.3069	A	0.2
8	☐	1000.000	994.195	7842614.67	0.6043	A	0.6
9	☐			11921.92	0.0010	P	5.0

$$y = 6.0782\text{E-}004 * x + 6.8897\text{E-}006$$

$$R = 0.9999$$

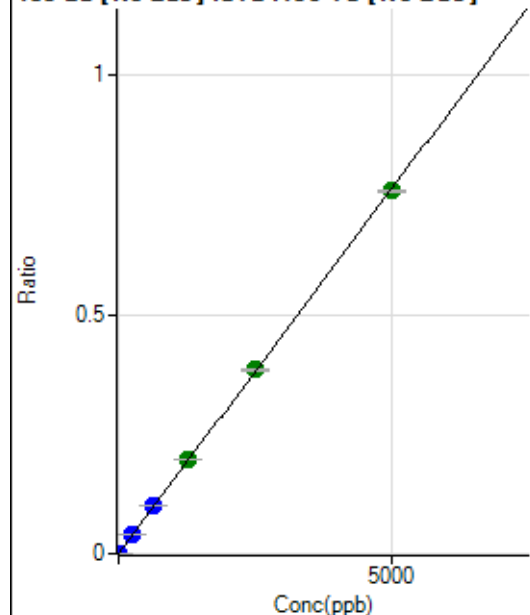
$$DL = 0.006268$$

$$BEC = 0.01134$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	30.56	0.0000	P	31.5
2	☐	1.000	1.005	2097.43	0.0002	P	7.8
3	☐	10.000	9.950	20921.51	0.0015	P	1.4
4	☐	250.000	258.734	536508.85	0.0394	P	0.9
5	☐	625.000	647.781	1358605.81	0.0987	P	0.5
6	☐	1250.000	1288.245	2659858.63	0.1964	A	1.0
7	☐	2500.000	2524.219	5067145.47	0.3848	A	0.6
8	☐	5000.000	4975.045	9841683.38	0.7583	A	0.5
9	☐			6673.98	0.0005	P	4.1

$$y = 1.5243\text{E-}004 * x + 2.2291\text{E-}006$$

$$R = 0.9999$$

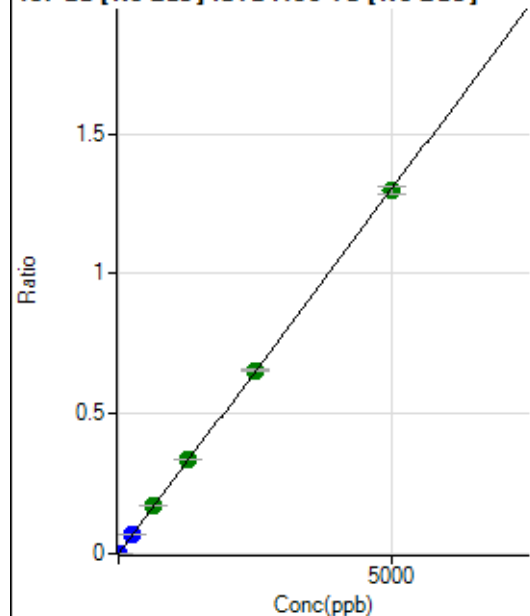
$$DL = 0.01384$$

$$BEC = 0.01462$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	63.89	0.0000	P	7.8
2	☐	1.000	1.005	3595.01	0.0003	P	8.9
3	☐	10.000	10.173	36561.39	0.0027	P	0.9
4	☐	250.000	260.021	921300.79	0.0677	P	1.0
5	☐	625.000	658.057	2358193.00	0.1714	A	1.2
6	☐	1250.000	1294.856	4568165.25	0.3373	A	1.4
7	☐	2500.000	2513.783	8622168.34	0.6547	A	1.1
8	☐	5000.000	4977.261	16824732.49	1.2964	A	2.2
9	☐			11327.01	0.0009	P	5.2

$$y = 2.6045\text{E-}004 * x + 4.6612\text{E-}006$$

$$R = 0.9999$$

$$DL = 0.004204$$

$$BEC = 0.0179$$

Weight: <None>

Min Conc: 0

150 Nd [No Gas] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			6.67		P	100.0
2	☐			6.67		P	0.0
3	☐			6.67		P	100.0
4	☐			31.11		P	24.7
5	☐			104.45		P	26.6
6	☐			253.34		P	2.6
7	☐			380.01		P	13.9
8	☐			844.48		P	6.8
9	☐			95.56		P	4.0

150 Nd [He] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			0.00		P	
2	☐			1.11		P	173.2
3	☐			4.45		P	86.6
4	☐			5.56		P	34.7
5	☐			28.89		P	48.0
6	☐			30.00		P	29.4
7	☐			63.33		P	19.0
8	☐			144.45		P	11.6
9	☐			45.56		P	27.7

156 Dy [No Gas] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			2.78		P	173.2
2	☐			16.67		P	100.0
3	☐			19.45		P	24.7
4	☐			36.11		P	81.1
5	☐			77.78		P	40.6
6	☐			88.89		P	46.2
7	☐			216.67		P	6.7
8	☐			405.57		P	15.1
9	☐			936.17		P	6.7

156 Dy [He] No available calibration points

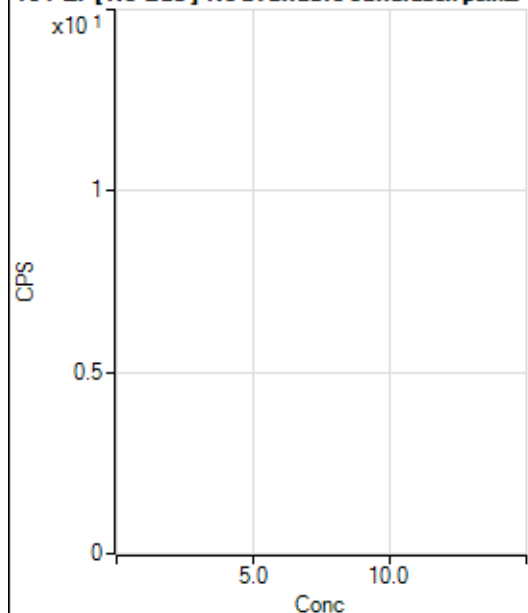
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			3.33		P	100.1
2	☐			4.44		P	43.4
3	☐			4.44		P	43.4
4	☐			33.33		P	10.0
5	☐			83.33		P	17.4
6	☐			128.89		P	16.4
7	☐			265.56		P	11.0
8	☐			505.57		P	14.7
9	☐			642.24		P	9.5

160 Gd [No Gas] Noavailable calibration poin...

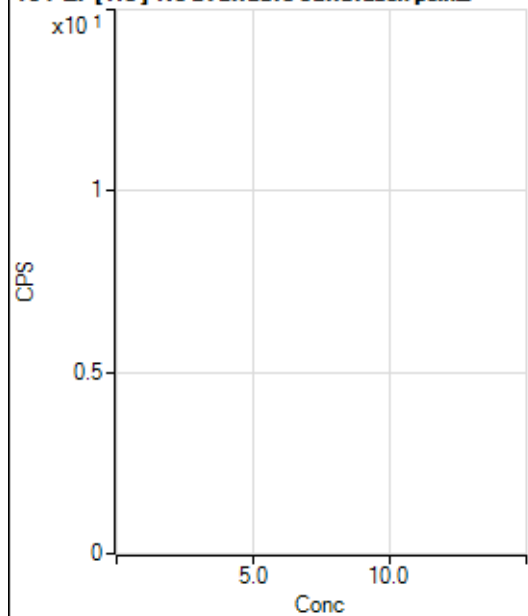
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			50.00		P	44.1
2	☐			77.78		P	16.4
3	☐			94.45		P	35.7
4	☐			102.78		P	33.8
5	☐			136.12		P	30.8
6	☐			133.34		P	6.3
7	☐			163.89		P	15.5
8	☐			202.79		P	43.2
9	☐			808.37		P	5.7

160 Gd [He] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			316.67		P	2.8
2	☐			332.23		P	4.9
3	☐			338.90		P	19.9
4	☐			362.23		P	4.3
5	☐			337.78		P	8.0
6	☐			356.67		P	12.3
7	☐			353.34		P	6.2
8	☐			426.68		P	6.7
9	☐			748.92		P	10.8

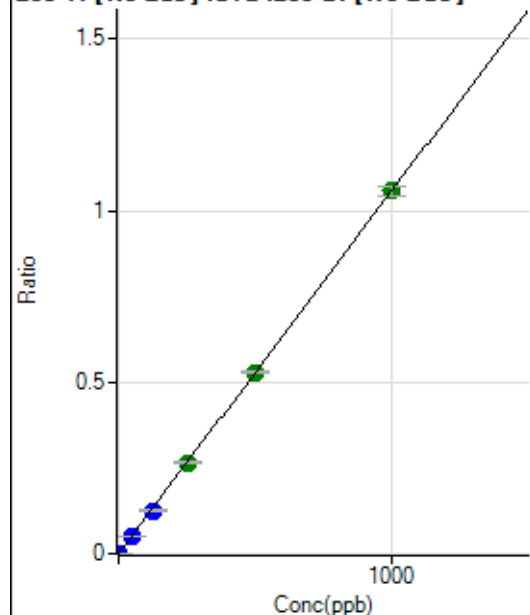
164 Er [No Gas] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			113.89		P	11.2
2	☐			66.67		P	21.7
3	☐			86.11		P	48.7
4	☐			122.23		P	27.6
5	☐			133.34		P	16.5
6	☐			111.11		P	37.7
7	☐			141.67		P	5.9
8	☐			150.00		P	16.7
9	☐			152.78		P	33.3

164 Er [He] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			57.78		P	20.3
2	☐			57.78		P	8.8
3	☐			65.55		P	35.7
4	☐			64.44		P	3.0
5	☐			61.11		P	30.0
6	☐			61.11		P	37.1
7	☐			85.55		P	15.7
8	☐			86.67		P	20.3
9	☐			93.33		P	21.7

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



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	691.70	0.0001	P	9.9
2	☐	0.100	0.083	1419.56	0.0002	P	3.0
3	☐	1.000	0.914	9289.48	0.0010	P	4.3
4	☐	50.000	47.507	440996.97	0.0503	P	2.0
5	☐	125.000	119.234	1110788.94	0.1260	P	1.5
6	☐	250.000	250.519	2299183.17	0.2647	A	1.8
7	☐	500.000	499.656	4518718.29	0.5279	A	0.9
8	☐	1000.000	1000.888	8724478.67	1.0573	A	2.6
9	☐			5023.29	0.0007	P	4.8

$$y = 0.0011 * x + 7.8821E-005$$

$$R = 1.0000$$

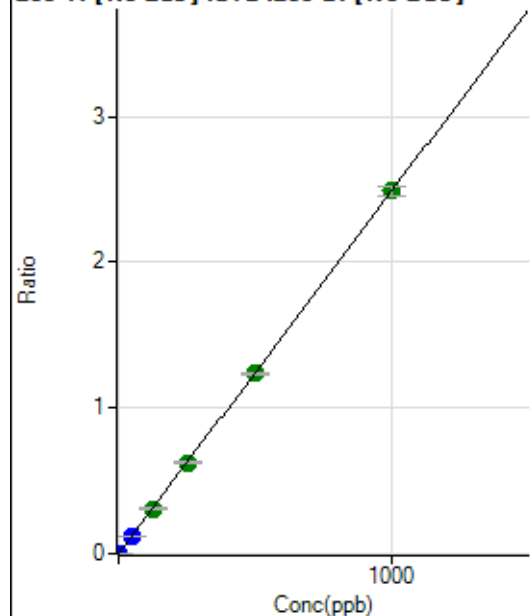
$$DL = 0.02219$$

$$BEC = 0.07462$$

Weight: <None>

Min Conc: 0

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



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	1516.79	0.0002	P	10.6
2	☐	0.100	0.092	3425.51	0.0004	P	2.1
3	☐	1.000	0.926	22004.43	0.0025	P	1.4
4	☐	50.000	47.583	1038821.05	0.1184	P	1.8
5	☐	125.000	124.328	2724232.07	0.3091	A	1.0
6	☐	250.000	251.480	5428728.90	0.6250	A	1.7
7	☐	500.000	497.010	10572109.87	1.2350	A	1.1
8	☐	1000.000	1001.330	20530398.55	2.4880	A	2.4
9	☐			12166.88	0.0017	P	4.7

$$y = 0.0025 * x + 1.7273E-004$$

$$R = 1.0000$$

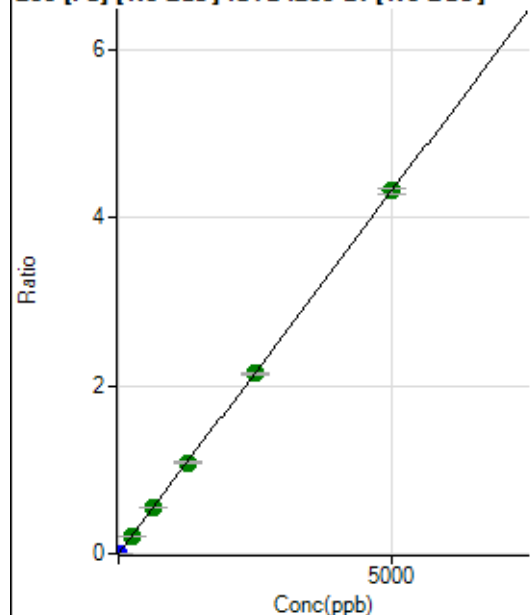
$$DL = 0.02202$$

$$BEC = 0.06952$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	427.79	0.0000	P	13.0
2	☐	0.100	0.100	1155.62	0.0001	P	4.3
3	☐	1.000	0.903	7355.85	0.0008	P	5.0
4	☐	250.000	244.536	1850630.05	0.2109	A	0.8
5	☐	625.000	625.357	4753548.72	0.5393	A	0.3
6	☐	1250.000	1257.652	9420200.67	1.0845	A	1.7
7	☐	2500.000	2484.855	18342603.30	2.1427	A	1.1
8	☐	5000.000	5005.888	35620724.64	4.3166	A	1.7
9	☐			13063.86	0.0018	P	3.5

$$y = 8.6229\text{E-}004 * x + 4.8696\text{E-}005$$

$$R = 1.0000$$

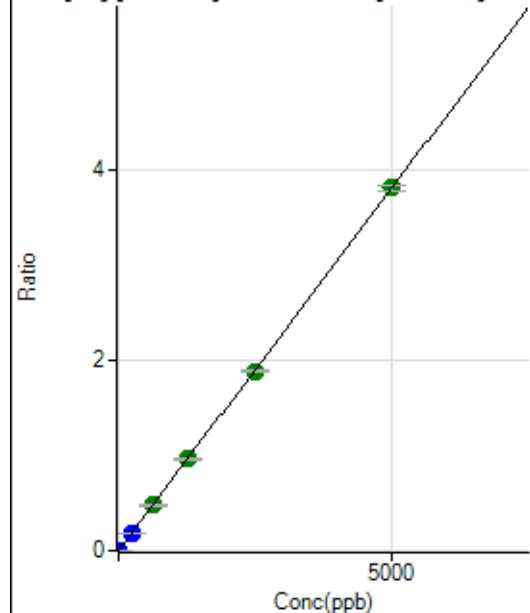
$$DL = 0.02202$$

$$BEC = 0.05647$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	322.23	0.0000	P	5.3
2	☐	0.100	0.100	964.87	0.0001	P	11.2
3	☐	1.000	0.895	6396.08	0.0007	P	1.0
4	☐	250.000	229.033	1532238.37	0.1746	P	2.1
5	☐	625.000	625.817	4205528.86	0.4771	A	1.0
6	☐	1250.000	1263.284	8365937.17	0.9631	A	1.0
7	☐	2500.000	2477.760	16169332.31	1.8889	A	1.2
8	☐	5000.000	5008.745	31509228.25	3.8183	A	1.8
9	☐			11820.15	0.0016	P	0.6

$$y = 7.6233\text{E-}004 * x + 3.6708\text{E-}005$$

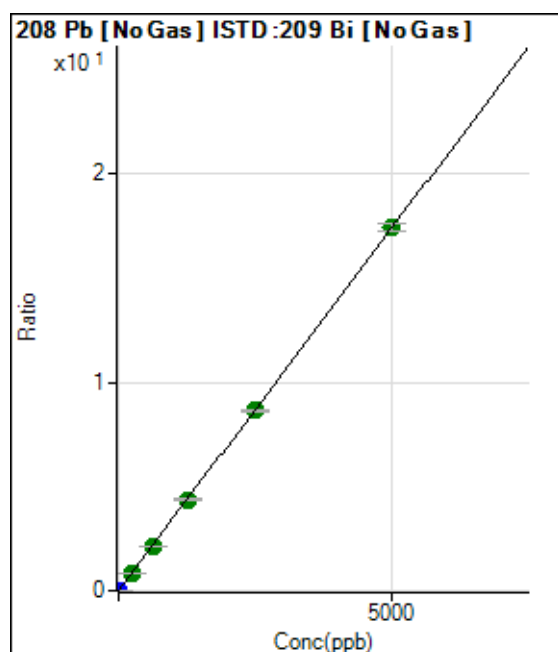
$$R = 1.0000$$

$$DL = 0.007617$$

$$BEC = 0.04815$$

Weight: <None>

Min Conc: 0



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	1546.36	0.0002	P	4.8
2	☐	0.100	0.105	4635.59	0.0005	P	4.4
3	☐	1.000	0.885	28923.63	0.0033	P	2.2
4	☐	250.000	241.846	7377879.21	0.8409	A	1.4
5	☐	625.000	622.421	19072371.09	2.1638	A	0.1
6	☐	1250.000	1257.600	37977361.44	4.3717	A	0.8
7	☐	2500.000	2483.705	73906902.23	8.6338	A	1.2
8	☐	5000.000	5006.978	143626042.5	17.4049	A	2.0
9	☐			52686.77	0.0072	P	2.0

$$y = 0.0035 * x + 1.7619E-004$$

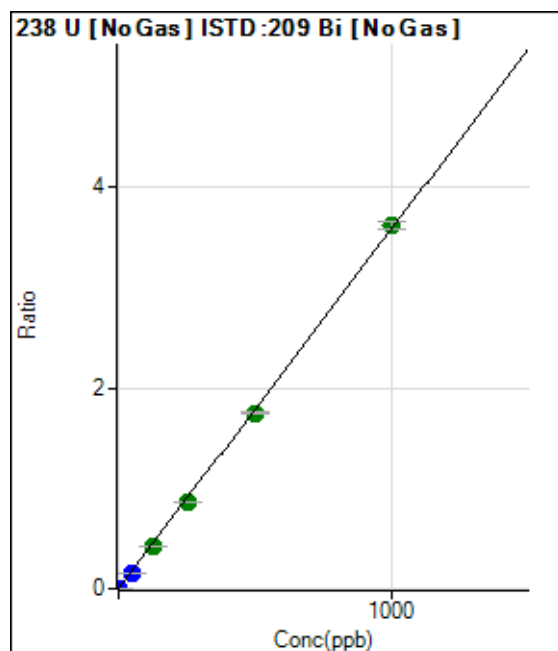
$$R = 1.0000$$

$$DL = 0.007245$$

$$BEC = 0.05069$$

Weight: <None>

Min Conc: 0



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	69.45	0.0000	P	48.0
2	☐	0.100	0.085	2672.57	0.0003	P	6.1
3	☐	1.000	0.830	26538.58	0.0030	P	1.9
4	☐	50.000	42.970	1352494.33	0.1541	P	1.8
5	☐	125.000	119.075	3765049.70	0.4271	A	0.3
6	☐	250.000	241.800	7535255.64	0.8674	A	0.8
7	☐	500.000	488.842	15010639.92	1.7535	A	1.1
8	☐	1000.000	1008.721	29859043.37	3.6184	A	2.3
9	☐			7902.62	0.0011	P	4.5

$$y = 0.0036 * x + 7.8993E-006$$

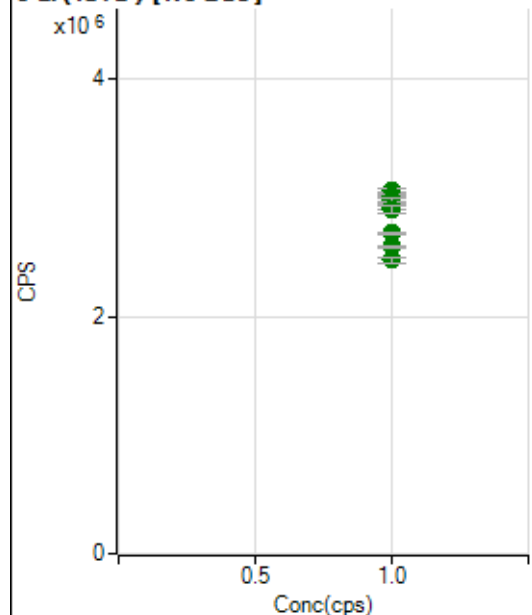
$$R = 0.9999$$

$$DL = 0.00317$$

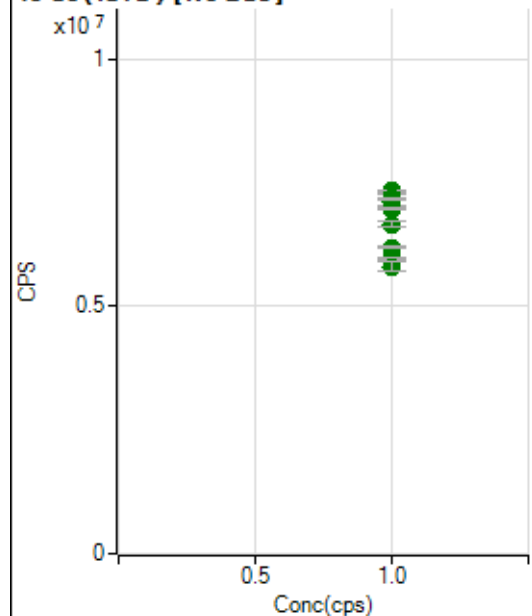
$$BEC = 0.002202$$

Weight: <None>

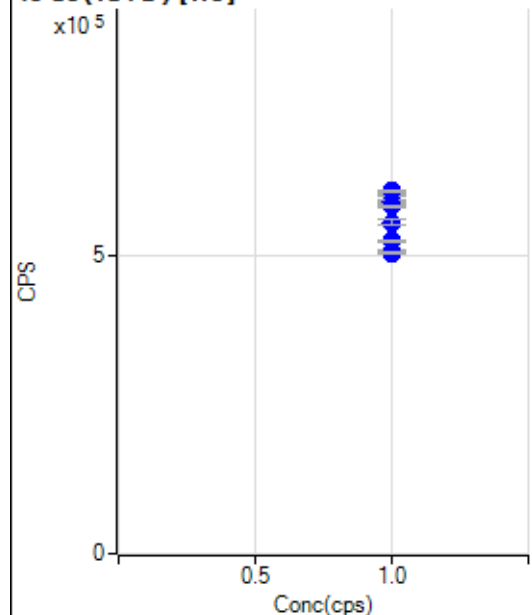
Min Conc: 0

6 Li (ISTD) [No Gas]

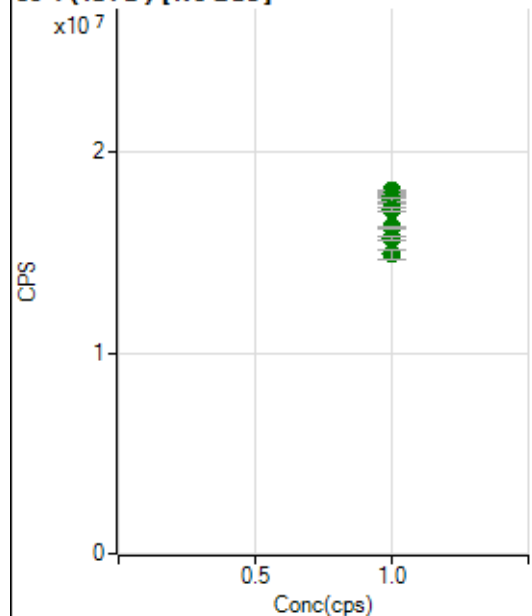
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		3007780.48		A	0.9
2	☐	1.000		2924300.62		A	1.5
3	☐	1.000		3057375.58		A	1.0
4	☐	1.000		3014448.15		A	1.1
5	☐	1.000		2982295.37		A	1.2
6	☐	1.000		2899319.09		A	2.1
7	☐	1.000		2702442.15		A	0.6
8	☐	1.000		2584845.36		A	0.8
9	☐	1.000		2472476.85		A	2.1

45 Sc (ISTD) [No Gas]

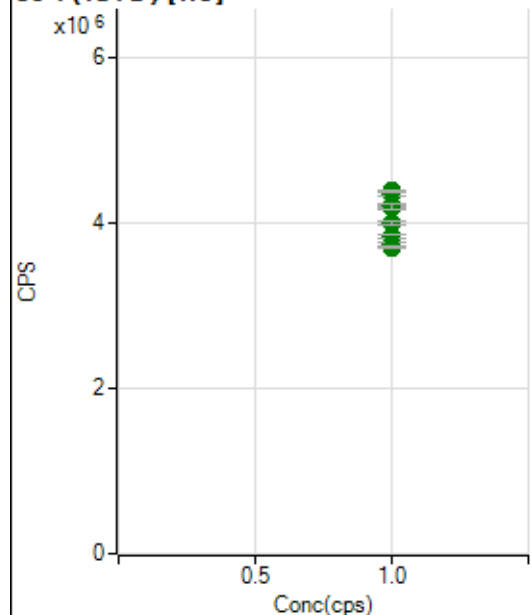
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		7282234.89		A	0.5
2	☐	1.000		7124460.52		A	2.2
3	☐	1.000		7340266.83		A	0.1
4	☐	1.000		7181600.31		A	0.7
5	☐	1.000		6981027.33		A	0.5
6	☐	1.000		6670953.58		A	1.7
7	☐	1.000		6205011.44		A	0.6
8	☐	1.000		5975046.30		A	0.7
9	☐	1.000		5814716.86		A	3.7

45 Sc (ISTD) [He]

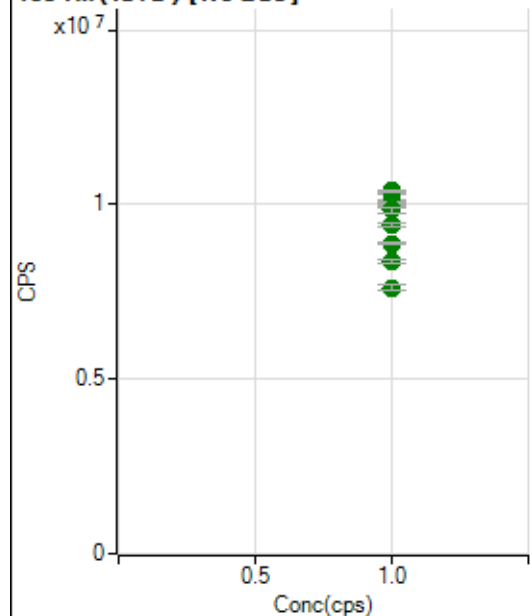
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		601700.84		P	0.8
2	☐	1.000		587680.98		P	1.1
3	☐	1.000		607917.46		P	0.3
4	☐	1.000		589430.40		P	1.5
5	☐	1.000		582154.48		P	0.3
6	☐	1.000		555718.43		P	1.5
7	☐	1.000		524231.45		P	0.9
8	☐	1.000		506614.48		P	1.1
9	☐	1.000		503082.67		P	0.6

89 Y (ISTD) [No Gas]

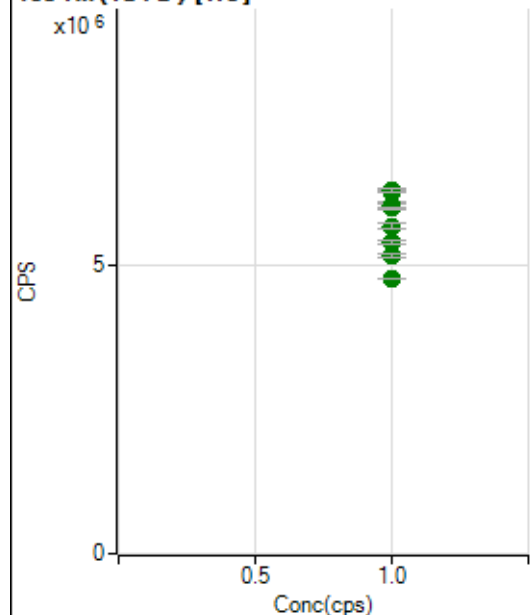
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		17912995.98		A	1.2
2	☐	1.000		17607295.71		A	1.7
3	☐	1.000		18077597.09		A	0.3
4	☐	1.000		17791942.79		A	1.1
5	☐	1.000		17646545.15		A	1.0
6	☐	1.000		17129358.64		A	1.2
7	☐	1.000		16252262.54		A	0.6
8	☐	1.000		15702118.80		A	1.4
9	☐	1.000		14903853.53		A	3.0

89 Y(ISTD) [He]

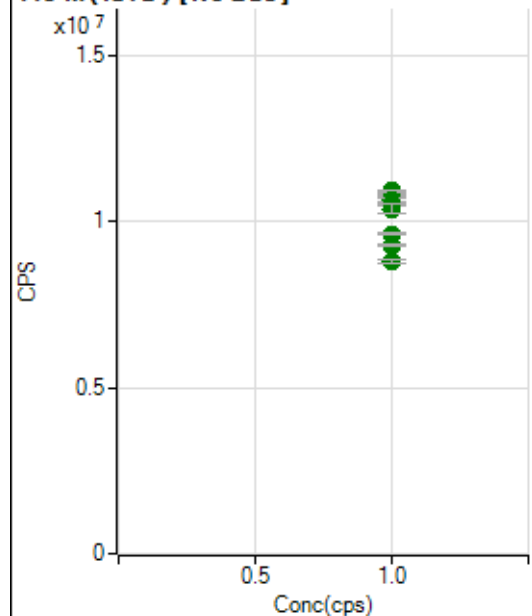
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		4353057.78		A	1.2
2	☐	1.000		4178745.98		A	1.3
3	☐	1.000		4381923.16		A	0.2
4	☐	1.000		4203590.18		A	1.1
5	☐	1.000		4195368.59		A	1.6
6	☐	1.000		3992175.01		A	1.3
7	☐	1.000		3834116.26		A	0.9
8	☐	1.000		3743770.60		A	0.9
9	☐	1.000		3700173.56		A	0.6

103 Rh(ISTD) [No Gas]

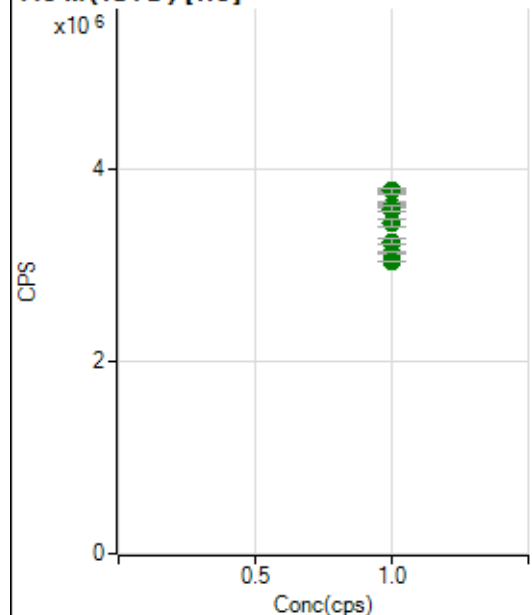
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		10341712.97		A	1.0
2	☐	1.000		10056238.11		A	1.9
3	☐	1.000		10392926.72		A	0.2
4	☐	1.000		10048126.58		A	0.9
5	☐	1.000		9854447.49		A	1.8
6	☐	1.000		9429764.72		A	1.1
7	☐	1.000		8891291.26		A	0.6
8	☐	1.000		8358525.57		A	1.2
9	☐	1.000		7625331.69		A	2.4

103 Rh (ISTD) [He]

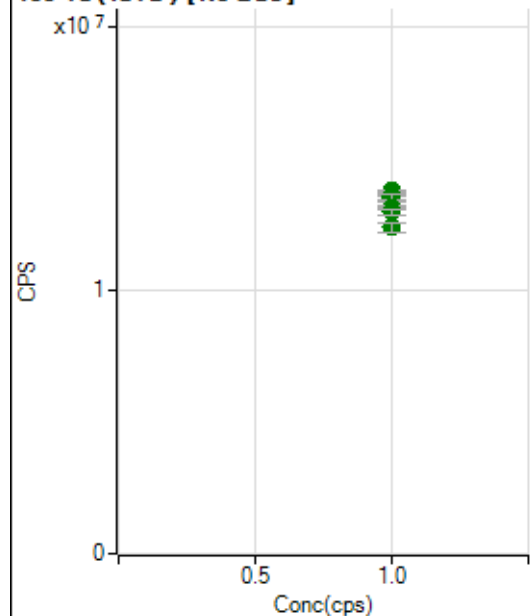
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		6253067.20		A	0.6
2	☐	1.000		6026824.35		A	1.4
3	☐	1.000		6268085.67		A	1.0
4	☐	1.000		6023829.91		A	1.1
5	☐	1.000		5965364.22		A	0.5
6	☐	1.000		5650571.79		A	1.7
7	☐	1.000		5381115.86		A	1.1
8	☐	1.000		5144381.07		A	1.2
9	☐	1.000		4755484.44		A	0.5

115 In (ISTD) [No Gas]

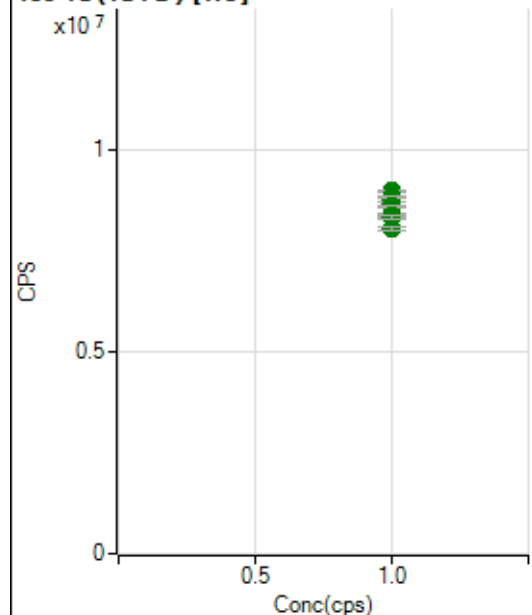
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		10801038.25		A	0.6
2	☐	1.000		10580590.63		A	1.8
3	☐	1.000		10912335.46		A	0.4
4	☐	1.000		10632725.49		A	1.3
5	☐	1.000		10530632.07		A	0.4
6	☐	1.000		10380270.04		A	2.4
7	☐	1.000		9617561.83		A	0.3
8	☐	1.000		9269416.93		A	0.4
9	☐	1.000		8780537.71		A	1.4

115 In (ISTD) [He]

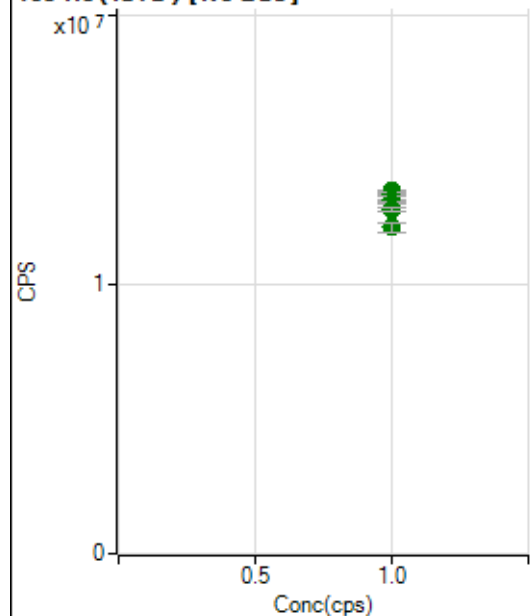
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		3772571.22		A	0.4
2	☐	1.000		3617905.85		A	1.0
3	☐	1.000		3769616.66		A	1.2
4	☐	1.000		3628321.81		A	1.7
5	☐	1.000		3588544.59		A	1.3
6	☐	1.000		3434442.93		A	2.1
7	☐	1.000		3247490.25		A	1.7
8	☐	1.000		3123739.88		A	0.5
9	☐	1.000		3032506.49		A	0.2

159 Tb (ISTD) [No Gas]

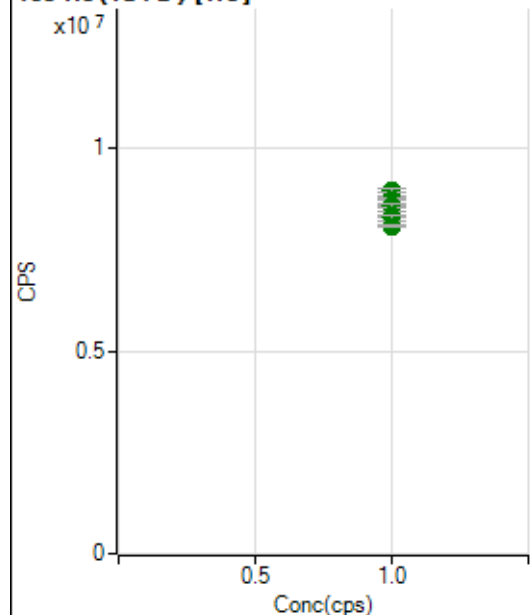
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		13709093.82		A	0.3
2	☐	1.000		13497207.85		A	1.6
3	☐	1.000		13774443.82		A	0.7
4	☐	1.000		13603060.07		A	0.2
5	☐	1.000		13759247.16		A	0.6
6	☐	1.000		13546516.19		A	1.6
7	☐	1.000		13169624.39		A	0.6
8	☐	1.000		12978036.20		A	1.4
9	☐	1.000		12398703.01		A	3.0

159 Tb (ISTD) [He]

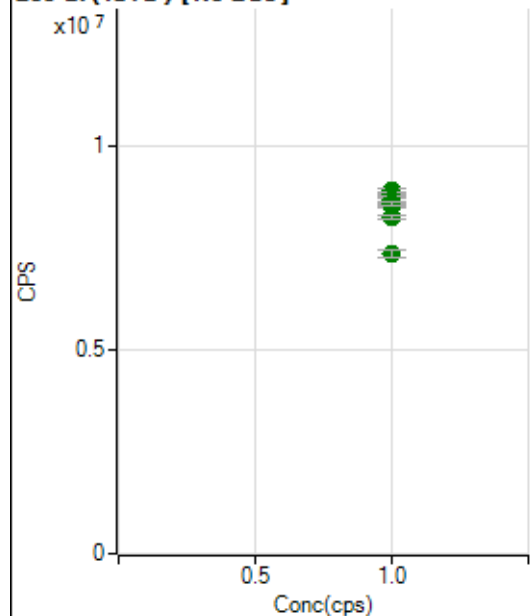
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		8943334.73		A	0.5
2	☐	1.000		8636587.44		A	1.9
3	☐	1.000		8971174.73		A	0.4
4	☐	1.000		8739566.81		A	0.8
5	☐	1.000		8836299.52		A	0.5
6	☐	1.000		8587879.87		A	0.5
7	☐	1.000		8357248.28		A	1.4
8	☐	1.000		8327161.26		A	1.4
9	☐	1.000		8030866.55		A	1.1

165 Ho (ISTD) [No Gas]

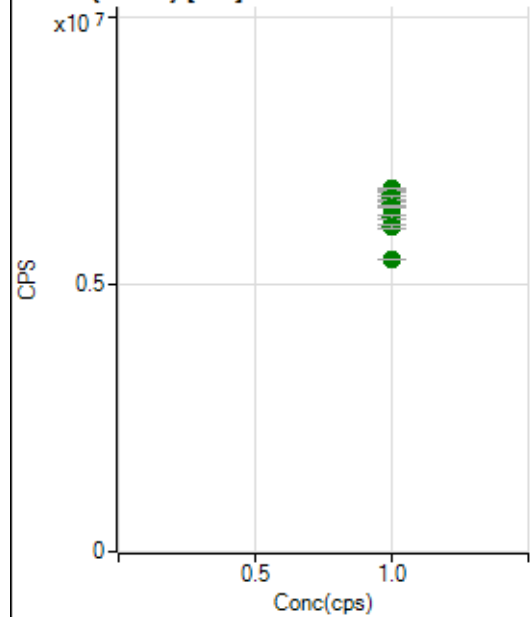
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		13405450.91		A	0.5
2	☐	1.000		13057748.28		A	1.0
3	☐	1.000		13471389.66		A	0.4
4	☐	1.000		13316674.53		A	0.8
5	☐	1.000		13374530.63		A	1.1
6	☐	1.000		13173206.33		A	1.5
7	☐	1.000		13007428.28		A	0.5
8	☐	1.000		12765918.98		A	1.4
9	☐	1.000		12114752.32		A	2.9

165 Ho (ISTD) [He]

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		8827255.42		A	0.3
2	☐	1.000		8549672.86		A	1.8
3	☐	1.000		8957919.66		A	1.0
4	☐	1.000		8624526.75		A	0.6
5	☐	1.000		8749434.04		A	0.4
6	☐	1.000		8578095.78		A	1.3
7	☐	1.000		8373384.53		A	1.3
8	☐	1.000		8291502.59		A	1.3
9	☐	1.000		8094391.06		A	0.8

209 Bi (ISTD) [No Gas]

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		8778813.62		A	0.8
2	☐	1.000		8543055.29		A	1.2
3	☐	1.000		8893716.81		A	1.0
4	☐	1.000		8774880.15		A	0.8
5	☐	1.000		8814450.70		A	0.8
6	☐	1.000		8687705.63		A	1.9
7	☐	1.000		8560905.01		A	1.2
8	☐	1.000		8252554.53		A	0.9
9	☐	1.000		7355723.85		A	2.6

209 Bi (ISTD) [He]

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		6682920.39		A	0.7
2	☐	1.000		6511346.22		A	1.6
3	☐	1.000		6779675.39		A	0.6
4	☐	1.000		6567157.13		A	0.3
5	☐	1.000		6619443.86		A	0.9
6	☐	1.000		6449520.81		A	1.0
7	☐	1.000		6237009.35		A	1.2
8	☐	1.000		6069930.67		A	1.5
9	☐	1.000		5466764.30		A	0.2

US EPA Tune Check Report

Operator Name Jaswal

Acq/Data Batch D:\Agilent\ICPMH\1\DATA\IP7071522MS1.b

Acq. Date-Time 2022-07-15 17:52:38

Report Comment ---

Instrument Name G8403A JP14410463

[No Gas]

Sensitivity

Mass	Conc. [ug/l]	Count	CPS	Resp (Required) [cps/ug/l]	Resp (Flag)	RSD%	RSD% (Required)
9		9581	95815.00			0.477	5.000
24		85594	855940.76			0.574	5.000
25		11062	110624.43			0.334	5.000
26		12568	125684.76			0.481	5.000
59		22474	224744.96			0.295	5.000
113		11259	112586.68			0.877	5.000
115		35116	351156.30			2.023	5.000
206		15437	154371.71			0.429	5.000
207		13197	131974.55			0.622	5.000
208		32254	322540.12			0.684	5.000
220		0	3.10			38.507	

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

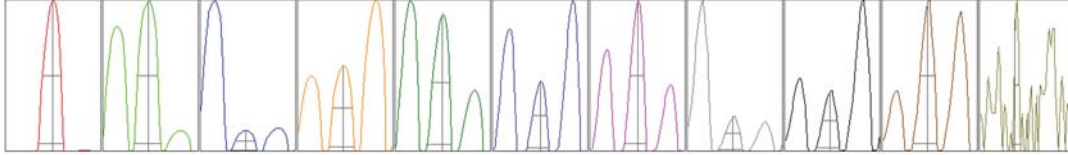
Mass	Rep#1 Count	Rep#2 Count	Rep#3 Count	Rep#4 Count	Rep#5 Count
9	9625	9531	9628	9584	9540
24	85859	86131	85710	84842	85428
25	11037	11110	11078	11073	11015
26	12628	12483	12603	12599	12529
59	22546	22371	22510	22486	22459
113	11255	11310	11251	11372	11105
115	35839	35774	34974	34865	34126
206	15443	15369	15545	15426	15404
207	13287	13202	13093	13266	13139
208	32130	32522	32324	32346	31948

US EPA Tune Check Report

Mass	Rep#1 Count	Rep#2 Count	Rep#3 Count	Rep#4 Count	Rep#5 Count
220	0	0	0	1	0

Integration Time [sec] 0.1

Resolution/Axis



Mass	Peak Height	Axis	Axis (Required)	Axis (Flag)
9	17330.19	9.00	8.90 - 9.10	
24	139477.65	23.95	23.90 - 24.10	
25	18691.73	24.95	24.90 - 25.10	
26	21119.99	25.95	25.90 - 26.10	
59	43001.66	59.00	58.90 - 59.10	
113	25472.91	113.05	112.90 - 113.10	
115	80914.29	115.05	114.90 - 115.10	
206	32855.05	205.95	205.90 - 206.10	
207	27982.08	206.95	206.90 - 207.10	
208	69579.81	207.95	207.90 - 208.10	
220	0.70	219.65	-	

Mass	W-50%	W-5%	W-5% (Required)	W-5% (Flag)
9	0.57	0.784	0.900	
24	0.64	0.829	0.900	
25	0.62	0.787	0.900	
26	0.63	0.788	0.900	
59	0.54	0.769	0.900	
113	0.45	0.688	0.900	
115	0.44	0.691	0.900	
206	0.47	0.749	0.900	
207	0.47	0.736	0.900	
208	0.46	0.769	0.900	
220	0.18	0.243		

Integration Time [sec] 0.1

Acquisition Time [sec] 256.770000000002

Y Axis Linear

Tune Parameters

Plasma Parameters

Plasma Mode --- Nebulizer Gas 0.73 L/min Dilution Gas 0.40 L/min

US EPA Tune Check Report

RF Power	1600 W	Option Gas	---	Auxiliary Gas	0.90 L/min
RF Matching	1.80 V	Nebulizer Pump	0.10 rps	Plasma Gas	15.0 L/min
Sample Depth	9.0 mm	S/C Temp	2 °C		

Lens Parameters

Extract 1	0.0 V	Omega Lens	8.6 V	Deflect	15.0 V
Extract 2	-135.0 V	Cell Entrance	-30 V	Plate Bias	-35 V
Omega Bias	-65 V	Cell Exit	-50 V		

Cell Parameters

Use Gas	No	3rd Gas Flow	---	Energy Discrimination	5.0 V
He Flow	0.0 mL/min	OctP Bias	-8.0 V		
H2 Flow	---	OctP RF	190 V		

QP Parameters

Mass Gain	122	Axis Gain	1.0002	QP Bias	-3.0 V
Mass Offset	124	Axis Offset	-0.01		

Hardware Settings

Torch

Torch H	-0.9 mm	Torch V	0.9 mm
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EM

Discriminator	3.2 mV	Analog HV	2198 V	Pulse HV	1467 V
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[He]

Sensitivity

Mass	Conc. [ug/l]	Count	CPS	Resp (Required) [cps/ug/l]	Resp (Flag)	RSD%	RSD% (Required)
59		7782	77817.02			0.114	
89		69679	696788.16			1.267	
205		45353	453529.51			0.799	

Mass	RSD% (Flag)
59	
89	
205	

Mass	Rep#1 Count	Rep#2 Count	Rep#3 Count	Rep#4 Count	Rep#5 Count
59	7769	7788	7792	7781	7780
89	69008	70796	70467	68928	69195
205	45205	45010	45849	45616	45085

Integration Time [sec] 0.1

Tune Parameters

Plasma Parameters

Plasma Mode	---	Nebulizer Gas	0.73 L/min	Dilution Gas	0.40 L/min
RF Power	1600 W	Option Gas	---	Auxiliary Gas	0.90 L/min
RF Matching	1.80 V	Nebulizer Pump	0.10 rps	Plasma Gas	15.0 L/min
Sample Depth	9.0 mm	S/C Temp	2 °C		

Lens Parameters

Extract 1	0.0 V	Omega Lens	8.5 V	Deflect	3.2 V
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US EPA Tune Check Report

Extract 2	-120.0 V	Cell Entrance	-40 V	Plate Bias	-60 V
Omega Bias	-55 V	Cell Exit	-60 V		

Cell Parameters

Use Gas	Yes	3rd Gas Flow	---	Energy Discrimination	5.0 V
He Flow	3.9 mL/min	OctP Bias	-18.0 V		
H2 Flow	---	OctP RF	190 V		

QP Parameters

Mass Gain	122	Axis Gain	1.0002	QP Bias	-13.0 V
Mass Offset	124	Axis Offset	-0.01		

Hardware Settings

Torch

Torch H	-0.9 mm	Torch V	0.9 mm
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EM

Discriminator	3.2 mV	Analog HV	2198 V	Pulse HV	1467 V
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