

Method Path : Z:\voasrv\HPCHEM1\MSVOA_X\Method\
 Method File : 82X060625W.M
 Title : SW846 8260
 Last Update : Fri Jun 06 16:56:12 2025
 Response Via : Initial Calibration

Calibration Files

1 =VX046524.D 5 =VX046518.D 20 =VX046519.D 50 =VX046520.D 100 =VX046521.D 150 =VX046522.D

	Compound	1	5	20	50	100	150	Avg	%RSD
1) I	Pentafluorobenzene	-----ISTD-----							
2) T	Dichlorodifluo...	0.838	0.740	0.653	0.645	0.635	0.654	0.694	11.52
3) P	Chloromethane	0.713	0.737	0.586	0.573	0.568	0.614	0.632	11.76
4) C	Vinyl Chloride	0.679	0.697	0.593	0.596	0.591	0.622	0.630	7.46#
5) T	Bromomethane		0.592	0.429	0.398	0.256	0.237	0.382	37.77
6) T	Chloroethane	0.509	0.456	0.384	0.373	0.357	0.373	0.409	14.73
7) T	Trichlorofluor...	1.019	1.136	1.055	1.021	0.988	1.034	1.042	4.89
8) T	Diethyl Ether	0.412	0.368	0.355	0.356	0.349	0.368	0.368	6.23
9) T	1,1,2-Trichlor...	0.697	0.699	0.651	0.638	0.616	0.639	0.657	5.19
10) T	Methyl Iodide		0.653	0.664	0.716	0.744	0.782	0.712	7.65
11) T	Tert butyl alc...		0.087	0.090	0.098	0.104	0.114	0.099	10.94
12) CM	1,1-Dichloroet...	0.635	0.663	0.550	0.567	0.561	0.585	0.594	7.64#
13) T	Acrolein		0.040	0.110	0.112	0.117	0.135	0.103	35.72
14) T	Allyl chloride	1.283	1.198	1.115	1.130	1.138	1.131	1.166	5.52
15) T	Acrylonitrile	0.342	0.367	0.368	0.379	0.381	0.403	0.373	5.42
16) T	Acetone	0.566	0.347	0.334	0.340	0.341	0.360	0.381	23.86
17) T	Carbon Disulfide	2.313	1.618	1.229	1.218	1.220	1.288	1.481	29.41
18) T	Methyl Acetate	0.883	0.870	1.082	1.130	1.155	1.237	1.060	14.20
19) T	Methyl tert-bu...	1.873	2.038	2.050	2.115	2.131	2.256	2.077	6.11
20) T	Methylene Chlo...	0.868	0.752	0.676	0.662	0.646	0.678	0.714	11.77
21) T	trans-1,2-Dich...	0.785	0.661	0.580	0.582	0.567	0.594	0.628	13.34
22) T	Diisopropyl ether	2.017	2.338	2.344	2.343	2.319	2.429	2.298	6.22
23) T	Vinyl Acetate	1.639	1.727	1.682	1.828	1.831	1.940	1.775	6.31
24) P	1,1-Dichloroet...	1.281	1.349	1.266	1.259	1.234	1.297	1.281	3.09
25) T	2-Butanone	0.484	0.459	0.469	0.503	0.511	0.544	0.495	6.28
26) T	2,2-Dichloropr...	0.900	0.931	0.919	0.966	0.968	1.022	0.951	4.61
27) T	cis-1,2-Dichlo...	0.866	0.786	0.752	0.741	0.728	0.767	0.773	6.43
28) T	Bromochloromet...	0.650	0.652	0.592	0.590	0.594	0.589	0.611	5.04
29) T	Tetrahydrofuran	0.306	0.301	0.291	0.316	0.320	0.342	0.313	5.64
30) C	Chloroform	1.349	1.392	1.356	1.318	1.290	1.349	1.342	2.59#
31) T	Cyclohexane		1.172	1.012	0.995	0.974	1.018	1.034	7.64
32) T	1,1,1-Trichlor...	1.131	1.170	1.131	1.141	1.128	1.188	1.148	2.17
33) S	1,2-Dichloroet...		0.997	0.848	0.873	0.828	0.900	0.890	7.42
34) I	1,4-Difluorobenzene	-----ISTD-----							
35) S	Dibromofluorom...		0.392	0.353	0.368	0.347	0.379	0.368	5.01
36) T	1,1-Dichloropr...	0.660	0.554	0.506	0.485	0.461	0.485	0.525	13.89
37) T	Ethyl Acetate	0.355	0.483	0.522	0.554	0.566	0.596	0.513	16.84
38) T	Carbon Tetrach...	0.655	0.599	0.579	0.564	0.554	0.579	0.588	6.09
39) T	Methylcyclohexane	0.725	0.696	0.576	0.572	0.565	0.587	0.620	11.41
40) TM	Benzene	1.522	1.597	1.503	1.427	1.380	1.442	1.479	5.25
41) T	Methacrylonitrile	0.279	0.310	0.335	0.323	0.320	0.344	0.318	7.09
42) TM	1,2-Dichloroet...	0.606	0.646	0.641	0.610	0.586	0.602	0.615	3.80
43) T	Isopropyl Acetate	0.772	0.842	0.887	0.923	0.935	1.002	0.894	8.92
44) TM	Trichloroethene	0.476	0.385	0.356	0.351	0.332	0.354	0.376	13.85
45) C	1,2-Dichloropr...	0.359	0.393	0.396	0.381	0.370	0.390	0.382	3.84#
46) T	Dibromomethane	0.291	0.308	0.286	0.279	0.272	0.286	0.287	4.22
47) T	Bromodichlorom...	0.534	0.580	0.617	0.603	0.589	0.618	0.590	5.32
48) T	Methyl methacr...	0.395	0.423	0.454	0.481	0.490	0.517	0.460	9.79
49) T	1,4-Dioxane	0.004	0.006	0.007	0.006	0.007	0.007	0.006	14.38
50) S	Toluene-d8		1.362	1.159	1.188	1.132	1.220	1.212	7.42
51) T	4-Methyl-2-Pen...	0.492	0.548	0.583	0.593	0.582	0.609	0.568	7.47
52) CM	Toluene	0.938	0.980	0.911	0.884	0.849	0.888	0.908	5.04#
53) T	t-1,3-Dichloro...	0.480	0.469	0.524	0.542	0.559	0.601	0.529	9.38
54) T	cis-1,3-Dichlo...	0.567	0.567	0.580	0.590	0.595	0.633	0.589	4.15
55) T	1,1,2-Trichlor...	0.331	0.375	0.389	0.366	0.356	0.372	0.365	5.41
56) T	Ethyl methacry...	0.456	0.536	0.566	0.583	0.594	0.632	0.561	10.79

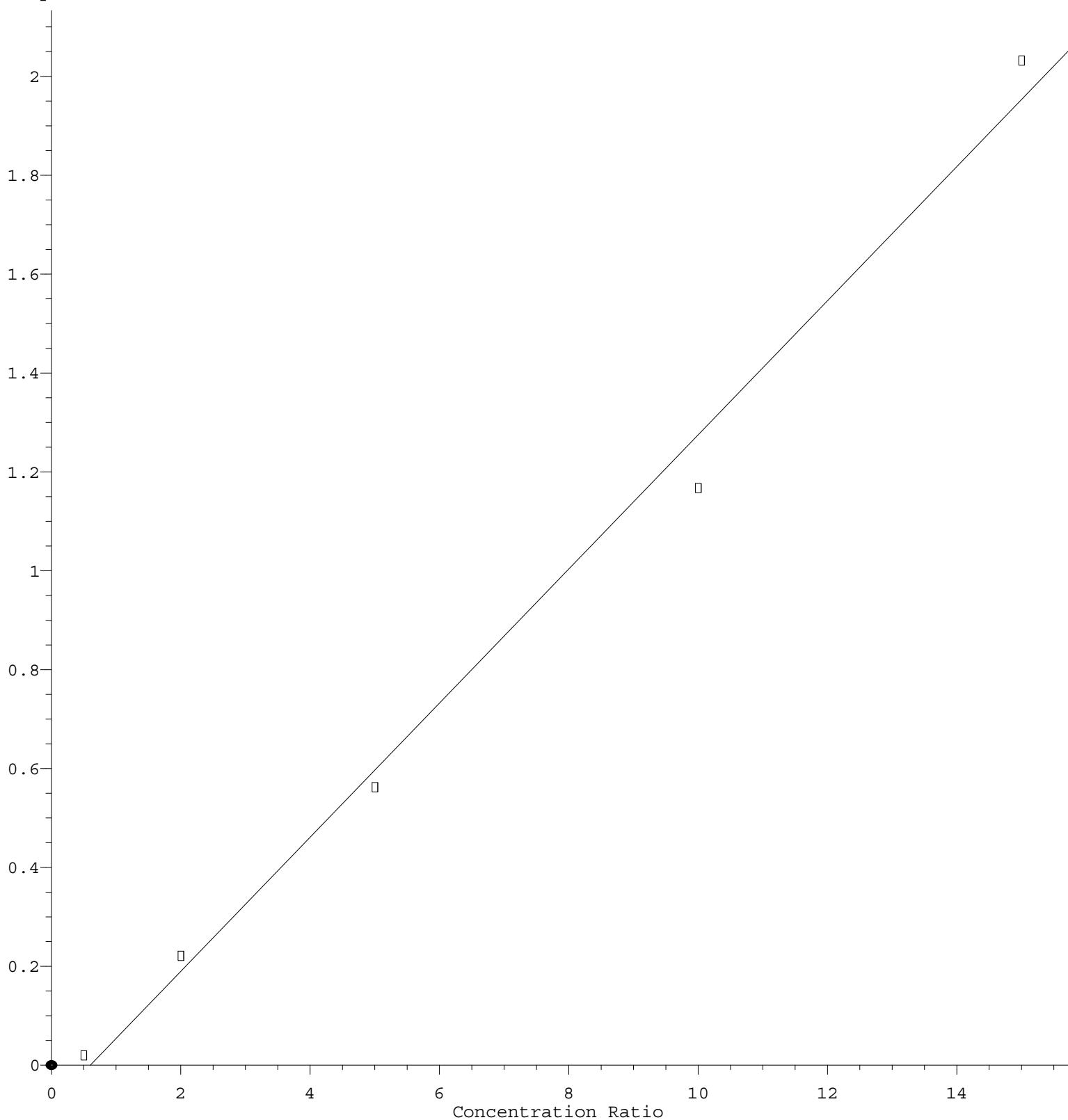
Method Path : Z:\voasrv\HPCHEM1\MSVOA_X\Method\
 Method File : 82X060625W.M

57)	T	1,3-Dichloropr...	0.653	0.664	0.666	0.636	0.612	0.637	0.644	3.15
58)	T	2-Chloroethyl ...	0.278	0.301	0.302	0.316	0.312	0.326	0.306	5.46
59)	T	2-Hexanone	0.368	0.376	0.416	0.426	0.419	0.438	0.407	6.99
60)	T	Dibromochlorom...	0.405	0.431	0.438	0.432	0.422	0.447	0.429	3.35
61)	T	1,2-Dibromoethane	0.420	0.367	0.380	0.370	0.365	0.378	0.380	5.37
62)	S	4-Bromofluorob...	0.564	0.482	0.493	0.468	0.501	0.502		7.36
63)	I	Chlorobenzene-d5	-----ISTD-----							
64)	T	Tetrachloroethene	0.410	0.347	0.324	0.310	0.301	0.314	0.334	12.07
65)	PM	Chlorobenzene	1.356	1.187	1.152	1.126	1.096	1.139	1.176	7.91
66)	T	1,1,1,2-Tetrac...	0.362	0.394	0.401	0.403	0.404	0.420	0.397	4.87
67)	C	Ethyl Benzene	2.166	2.093	2.029	2.018	1.971	2.041	2.053	3.30#
68)	T	m/p-Xylenes	0.773	0.756	0.750	0.737	0.714	0.738	0.745	2.67
69)	T	o-Xylene	0.719	0.728	0.731	0.716	0.703	0.724	0.720	1.42
70)	T	Styrene	1.209	1.205	1.257	1.257	1.213	1.257	1.233	2.15
71)	P	Bromoform	0.286	0.269	0.300	0.311	0.317	0.335	0.303	7.76
72)	I	1,4-Dichlorobenzen...	-----ISTD-----							
73)	T	Isopropylbenzene	3.896	3.936	3.949	3.909	3.828	4.064	3.930	1.98
74)	T	N-amyl acetate	1.424	1.613	1.673	1.803	1.854	2.019	1.731	11.98
75)	P	1,1,2,2-Tetrac...	1.148	1.294	1.294	1.257	1.249	1.306	1.258	4.65
76)	T	1,2,3-Trichlor...	1.091	1.022	1.076	1.049	1.025	1.092	1.059	2.97
77)	T	Bromobenzene	0.958	0.904	0.925	0.881	0.878	0.928	0.912	3.36
78)	T	n-propylbenzene	5.051	4.659	4.775	4.693	4.553	4.813	4.757	3.58
79)	T	2-Chlorotoluene	3.087	2.885	2.870	2.786	2.721	2.866	2.869	4.31
80)	T	1,3,5-Trimethy...	3.322	3.329	3.297	3.243	3.147	3.314	3.275	2.14
81)	T	trans-1,4-Dich...	0.274	0.352	0.370	0.398	0.442	0.367		16.86
82)	T	4-Chlorotoluene	3.872	3.390	3.342	3.293	3.177	3.329	3.400	7.12
83)	T	tert-Butylbenzene	3.284	3.341	3.364	3.287	3.248	3.482	3.334	2.50
84)	T	1,2,4-Trimethy...	3.406	3.309	3.360	3.256	3.194	3.356	3.313	2.34
85)	T	sec-Butylbenzene	4.458	4.350	4.296	4.172	4.096	4.334	4.284	3.04
86)	T	p-Isopropyltol...	3.910	3.509	3.554	3.484	3.397	3.575	3.572	4.96
87)	T	1,3-Dichlorobe...	2.105	1.745	1.714	1.684	1.642	1.740	1.772	9.46
88)	T	1,4-Dichlorobe...	2.421	1.804	1.736	1.675	1.627	1.752	1.836	15.98
89)	T	n-Butylbenzene	4.197	3.319	3.378	3.354	3.310	3.487	3.507	9.80
90)	T	Hexachloroethane	0.682	0.599	0.602	0.610	0.633	0.683	0.635	6.11
91)	T	1,2-Dichlorobe...	1.908	1.730	1.693	1.639	1.595	1.695	1.710	6.32
92)	T	1,2-Dibromo-3-...	0.238	0.250	0.272	0.285	0.309	0.337	0.282	13.06
93)	T	1,2,4-Trichlor...	1.513	1.038	1.085	1.077	1.093	1.194	1.167	15.22
94)	T	Hexachlorobuta...	0.695	0.526	0.508	0.501	0.497	0.525	0.542	14.01
95)	T	Naphthalene	3.783	3.138	3.527	3.726	3.816	4.205	3.699	9.53
96)	T	1,2,3-Trichlor...	1.500	1.042	1.078	1.092	1.108	1.198	1.170	14.55

(#) = Out of Range

Acrolein

Response Ratio



$$\text{Response} = 1.357\text{e-}001 * \text{Amt} - 8.141\text{e-}002$$

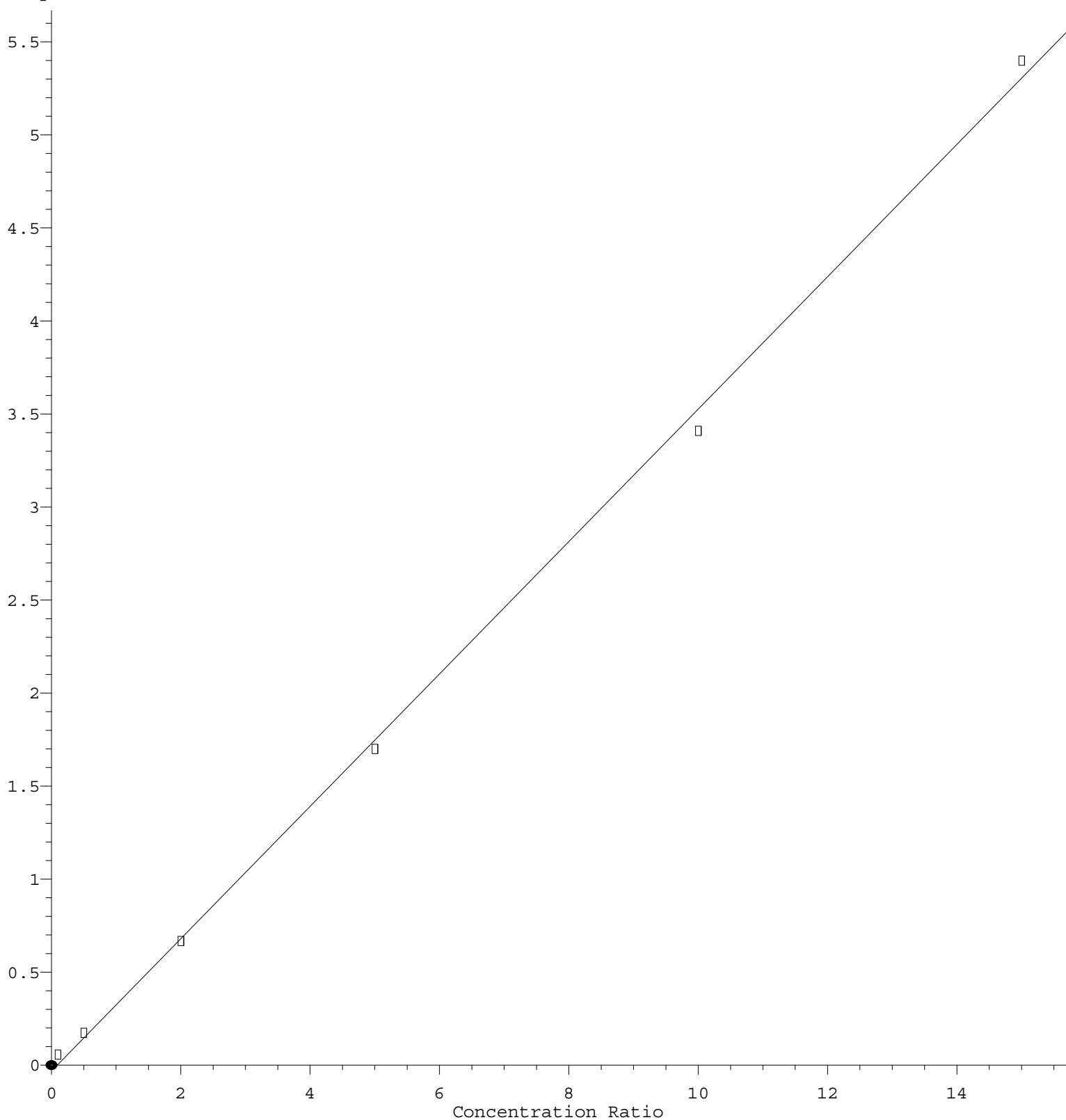
Coef of Det (r^2) = 0.992061 Curve Fit: Linear

Method Name: Z:\voasrv\HPCHEM1\MSVOA X\Method\82X060625W.M

Calibration Table Last Updated: Fri Jun 06 16:56:12 2025

Acetone

Response Ratio



$$\text{Response} = 3.559\text{e-}001 * \text{Amt} - 3.270\text{e-}002$$

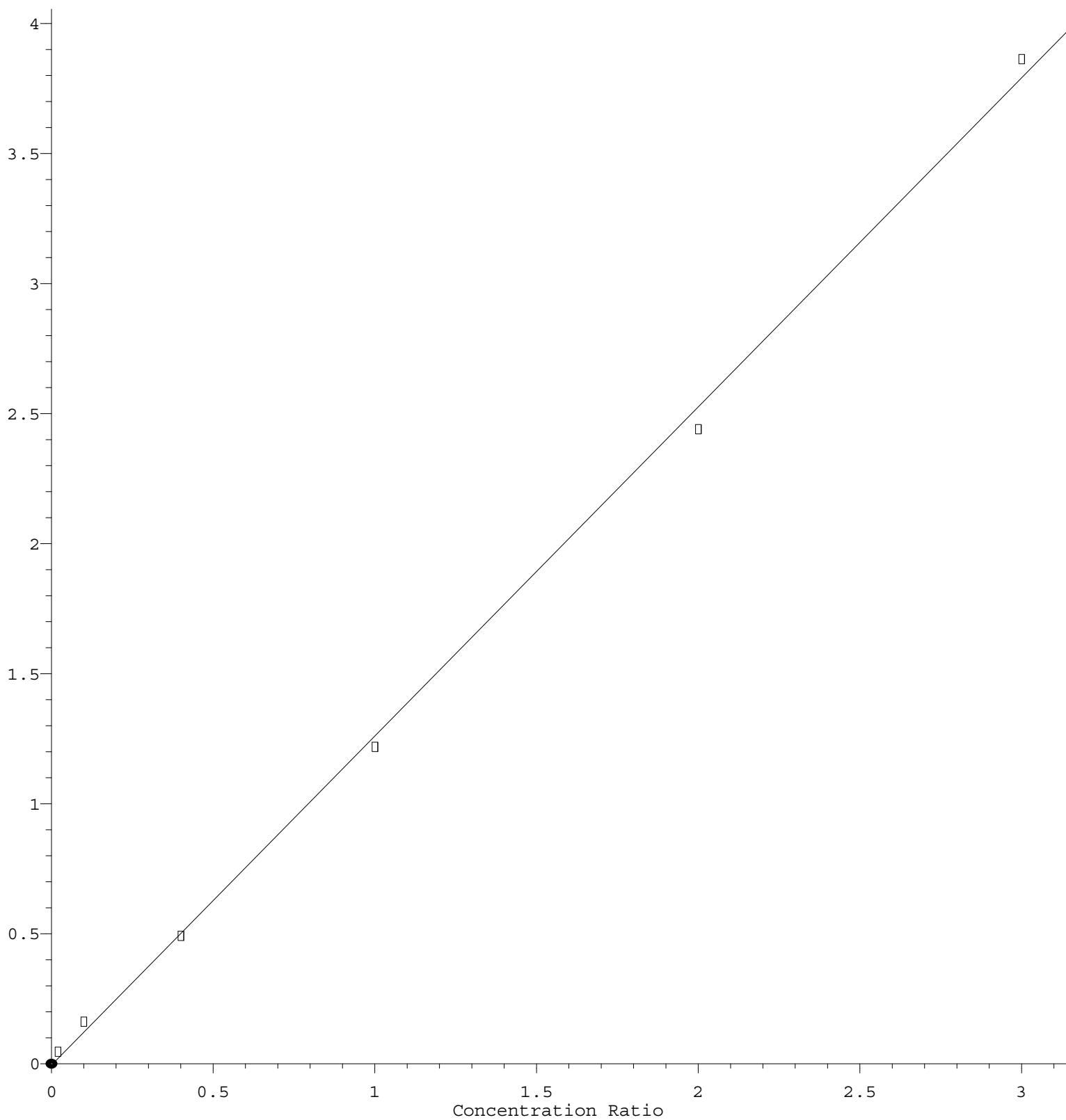
Coef of Det (r^2) = 0.998736 Curve Fit: Linear

Method Name: Z:\voasrv\HPCHEM1\MSVOA X\Method\82X060625W.M

Calibration Table Last Updated: Fri Jun 06 16:56:12 2025

Carbon Disulfide

Response Ratio



$$\text{Response} = 1.266\text{e}+000 * \text{Amt} - 5.124\text{e}-003$$

Coef of Det (r^2) = 0.998532 Curve Fit: Linear

Method Name: Z:\voasrv\HPCHEM1\MSVOA X\Method\82X060625W.M

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