

Method Path : Z:\voasrv\HPCHEM1\MSVOA_N\methods\
 Method File : 82N020222W.M
 Title : SW846 8260
 Last Update : Wed Feb 02 15:30:39 2022
 Response Via : Initial Calibration

Calibration Files

1 =VN070889.D 5 =VN070890.D 20 =VN070891.D 50 =VN070892.D 100 =VN070893.D 150 =VN070894.D

	Compound	1	5	20	50	100	150	Avg	%RSD
1) I	Pentafluorobenzene	-----ISTD-----							
2) T	Dichlorodifluo...	0.569	0.538	0.578	0.554	0.532	0.558	0.555	3.14
3) P	Chloromethane	0.771	0.672	0.671	0.659	0.691	0.741	0.701	6.41
4) C	Vinyl Chloride	0.578	0.573	0.602	0.585	0.553	0.622	0.585	4.11#
5) T	Bromomethane		0.322	0.288	0.276	0.306	0.305	0.299	5.88
6) T	Chloroethane	0.236	0.291	0.278	0.263	0.254	0.272	0.265	7.20
7) T	Trichlorofluor...	0.659	0.657	0.678	0.641	0.615	0.673	0.654	3.55
8) T	Diethyl Ether	0.381	0.390	0.385	0.373	0.363	0.382	0.379	2.50
9) T	1,1,2-Trichlor...	0.484	0.512	0.514	0.490	0.472	0.488	0.493	3.35
10) T	Methyl Iodide		0.664	0.747	0.736	0.727	0.765	0.728	5.28
11) T	Tert butyl alc...		0.137	0.133	0.140	0.143	0.159	0.142	7.24
12) CM	1,1-Dichloroet...	0.492	0.510	0.521	0.505	0.484	0.512	0.504	2.73#
13) T	Acrolein		0.181	0.149	0.146	0.151	0.155	0.157	9.06
14) T	Allyl chloride	1.078	1.158	1.180	1.150	1.130	1.191	1.148	3.55
15) T	Acrylonitrile	0.374	0.398	0.410	0.397	0.390	0.414	0.397	3.62
16) T	Acetone	0.454	0.397	0.427	0.398	0.368	0.384	0.405	7.63
17) T	Carbon Disulfide	1.673	1.584	1.586	1.511	1.485	1.550	1.565	4.24
18) T	Methyl Acetate	1.588	1.086	0.966	0.915	0.890	0.930	1.062	25.07
19) T	Methyl tert-bu...	1.824	1.932	2.033	1.941	1.860	1.953	1.924	3.82
20) T	Methylene Chlo...	0.657	0.634	0.630	0.596	0.572	0.599	0.615	5.06
21) T	trans-1,2-Dich...	0.537	0.548	0.558	0.535	0.515	0.531	0.537	2.70
22) T	Diisopropyl ether	2.152	2.290	2.383	2.204	2.108	2.203	2.223	4.46
23) T	Vinyl Acetate	1.821	1.973	2.090	2.003	1.915	1.997	1.967	4.62
24) P	1,1-Dichloroet...	1.098	1.160	1.164	1.104	1.066	1.125	1.120	3.40
25) T	2-Butanone	0.559	0.582	0.610	0.583	0.568	0.603	0.584	3.34
26) T	2,2-Dichloropr...	0.870	0.892	0.906	0.870	0.842	0.894	0.879	2.61
27) T	cis-1,2-Dichlo...	0.611	0.664	0.658	0.626	0.607	0.642	0.635	3.77
28) T	Bromochloromet...	0.468	0.484	0.531	0.489	0.468	0.491	0.489	4.73
29) T	Tetrahydrofuran	0.370	0.375	0.397	0.376	0.370	0.390	0.379	2.94
30) C	Chloroform	1.084	1.117	1.117	1.036	0.995	1.042	1.065	4.62#
31) T	Cyclohexane		1.310	1.187	1.095	1.057	1.101	1.150	8.81
32) T	1,1,1-Trichlor...	0.859	0.920	0.942	0.892	0.867	0.915	0.899	3.58
33) S	1,2-Dichloroet...		0.703	0.713	0.661	0.622	0.684	0.677	5.42
34) I	1,4-Difluorobenzene	-----ISTD-----							
35) S	Dibromofluorom...		0.304	0.319	0.301	0.277	0.298	0.300	5.00
36) T	1,1-Dichloropr...	0.482	0.485	0.516	0.485	0.468	0.485	0.487	3.19
37) T	Ethyl Acetate	0.649	0.685	0.697	0.677	0.643	0.674	0.671	3.10
38) T	Carbon Tetrach...	0.393	0.463	0.473	0.451	0.435	0.451	0.444	6.33
39) T	Methylcyclohexane	0.528	0.583	0.640	0.619	0.596	0.623	0.598	6.67
40) TM	Benzene	1.590	1.585	1.600	1.501	1.426	1.471	1.529	4.77
41) T	Methacrylonitrile	0.301	0.336	0.368	0.341	0.331	0.344	0.337	6.37
42) TM	1,2-Dichloroet...	0.499	0.556	0.550	0.520	0.490	0.508	0.520	5.21
43) T	Isopropyl Acetate	1.332	1.121	1.126	1.064	1.030	1.093	1.127	9.44
44) TM	Trichloroethene	0.360	0.361	0.366	0.347	0.339	0.349	0.354	2.92
45) C	1,2-Dichloropr...	0.391	0.425	0.434	0.409	0.391	0.405	0.409	4.33#
46) T	Dibromomethane	0.233	0.252	0.262	0.247	0.234	0.242	0.245	4.53
47) T	Bromodichlorom...	0.458	0.489	0.528	0.502	0.482	0.505	0.494	4.84
48) T	Methyl methacr...	0.415	0.447	0.532	0.519	0.502	0.501	0.486	9.29
49) T	1,4-Dioxane	0.008	0.008	0.008	0.008	0.008	0.009	0.008	4.69
50) S	Toluene-d8		1.250	1.319	1.221	1.135	1.225	1.230	5.37
51) T	4-Methyl-2-Pen...	0.579	0.665	0.704	0.677	0.659	0.697	0.664	6.76
52) CM	Toluene	1.021	0.962	0.988	0.929	0.876	0.907	0.947	5.65#
53) T	t-1,3-Dichloro...	0.487	0.537	0.583	0.571	0.564	0.603	0.557	7.32
54) T	cis-1,3-Dichlo...	0.545	0.581	0.643	0.625	0.606	0.638	0.606	6.21
55) T	1,1,2-Trichlor...	0.346	0.367	0.386	0.358	0.343	0.359	0.360	4.38
56) T	Ethyl methacry...	0.512	0.596	0.663	0.654	0.642	0.692	0.627	10.24

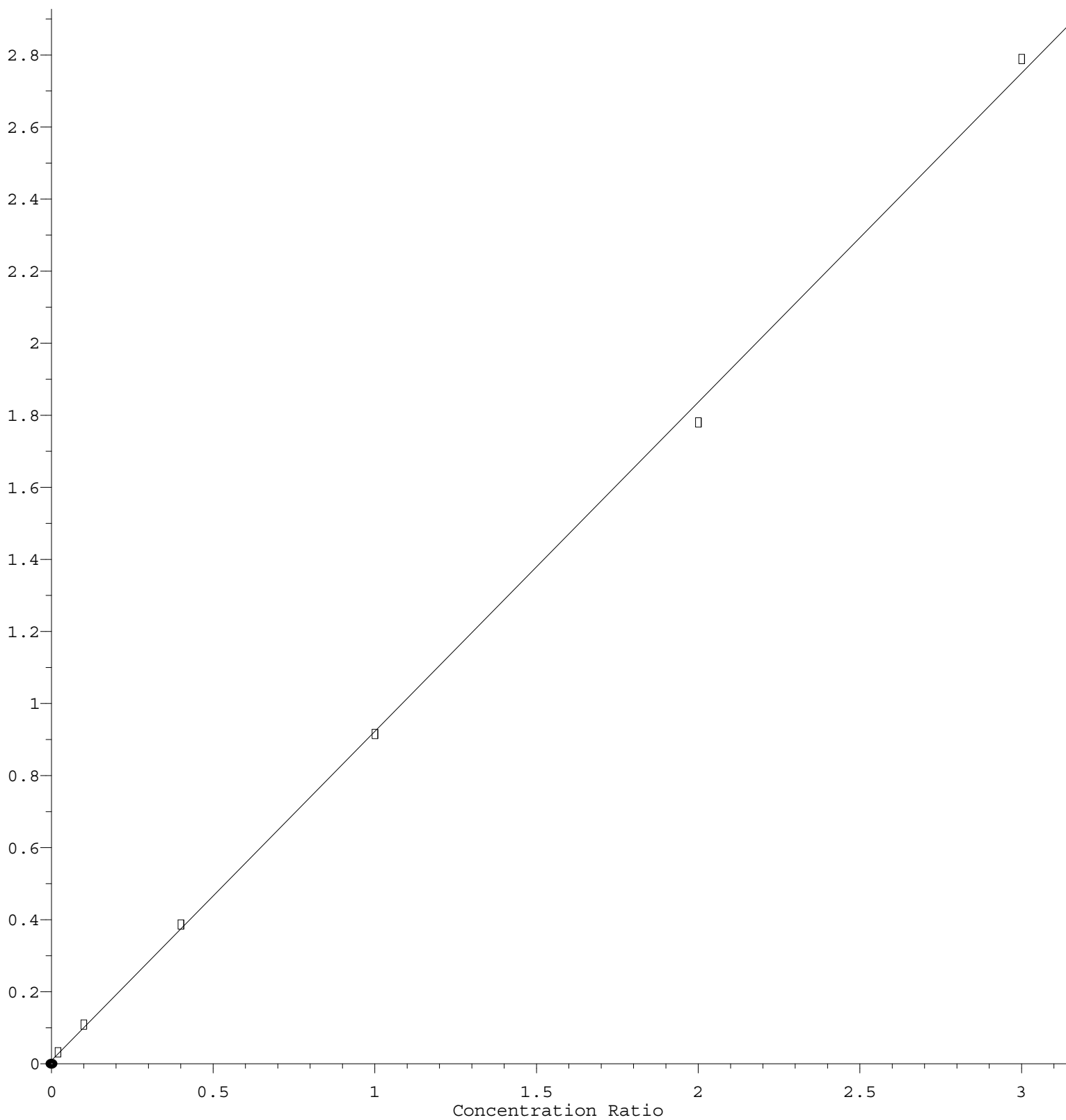
Method Path : Z:\voasrv\HPCHEM1\MSVOA_N\methods\
 Method File : 82N020222W.M

57)	T	1,3-Dichloropr...	0.573	0.651	0.670	0.638	0.609	0.637	0.630	5.45
58)	T	2-Chloroethyl ...	0.091	0.112	0.143	0.150	0.169	0.185	0.142	24.75
59)	T	2-Hexanone	0.419	0.472	0.512	0.502	0.493	0.510	0.485	7.28
60)	T	Dibromochlorom...	0.316	0.345	0.377	0.366	0.357	0.379	0.357	6.64
61)	T	1,2-Dibromoethane	0.332	0.373	0.394	0.375	0.362	0.384	0.370	5.77
62)	S	4-Bromofluorob...	0.418	0.425	0.456	0.447	0.436	0.476	0.443	4.82
63)	I	Chlorobenzene-d5	-----ISTD-----							
64)	T	Tetrachloroethene	0.336	0.348	0.349	0.328	0.300	0.303	0.327	6.52
65)	PM	Chlorobenzene	1.092	1.084	1.090	1.028	0.973	1.012	1.046	4.75
66)	T	1,1,1,2-Tetrac...	0.341	0.374	0.395	0.369	0.350	0.363	0.365	5.18
67)	C	Ethyl Benzene	1.820	1.950	2.024	1.933	1.833	1.886	1.908	4.04#
68)	T	m/p-Xylenes	0.656	0.726	0.753	0.719	0.682	0.705	0.707	4.84
69)	T	o-Xylene	0.669	0.727	0.745	0.714	0.681	0.709	0.707	4.00
70)	T	Styrene	0.877	1.094	1.195	1.177	1.150	1.197	1.115	11.02
71)	P	Bromoform	0.267	0.295	0.314	0.315	0.303	0.315	0.302	6.18
72)	I	1,4-Dichlorobenzen...	-----ISTD-----							
73)	T	Isopropylbenzene	4.136	4.673	4.714	4.264	4.051	4.336	4.362	6.31
74)	T	N-amyl acetate	1.865	1.885	2.027	1.970	1.922	2.054	1.954	3.91
75)	P	1,1,2,2-Tetrac...	1.690	1.646	1.611	1.436	1.332	1.351	1.511	10.41
76)	T	1,2,3-Trichlor...	1.324	1.298	1.213	1.188	1.109	1.089	1.203	7.96
77)	T	Bromobenzene	1.092	1.124	1.095	1.001	0.957	1.006	1.046	6.36
78)	T	n-propylbenzene	4.656	5.087	5.281	4.944	4.774	5.109	4.975	4.65
79)	T	2-Chlorotoluene	3.075	3.266	3.272	2.997	2.888	3.063	3.094	4.89
80)	T	1,3,5-Trimethy...	3.228	3.725	3.848	3.502	3.358	3.557	3.536	6.46
81)	T	trans-1,4-Dich...	0.367	0.439	0.458	0.456	0.457	0.487	0.444	9.22
82)	T	4-Chlorotoluene	3.013	3.031	3.109	2.927	2.833	2.976	2.982	3.17
83)	T	tert-Butylbenzene	2.882	3.241	3.313	3.045	2.935	3.088	3.084	5.46
84)	T	1,2,4-Trimethy...	3.208	3.610	3.752	3.455	3.294	3.431	3.458	5.78
85)	T	sec-Butylbenzene	3.953	4.439	4.582	4.314	4.196	4.405	4.315	5.07
86)	T	p-Isopropyltol...	2.980	3.501	3.654	3.449	3.349	3.482	3.403	6.73
87)	T	1,3-Dichlorobe...	1.844	1.767	1.814	1.702	1.625	1.686	1.740	4.79
88)	T	1,4-Dichlorobe...	1.973	1.802	1.765	1.649	1.592	1.661	1.740	7.94
89)	T	n-Butylbenzene	3.055	2.935	3.003	2.944	2.947	3.108	2.999	2.35
90)	T	Hexachloroethane	0.540	0.611	0.632	0.606	0.600	0.629	0.603	5.53
91)	T	1,2-Dichlorobe...	1.801	1.720	1.757	1.607	1.530	1.598	1.669	6.34
92)	T	1,2-Dibromo-3-...	0.280	0.253	0.272	0.268	0.272	0.299	0.274	5.53
93)	T	1,2,4-Trichlor...	1.150	0.805	0.862	0.878	0.882	0.964	0.924	13.22
94)	T	Hexachlorobuta...	0.612	0.618	0.591	0.539	0.486	0.500	0.557	10.28
95)	T	Naphthalene	3.161	1.814	2.135	2.440	2.549	2.854	2.492	19.42
96)	T	1,2,3-Trichlor...	1.159	0.756	0.821	0.859	0.849	0.925	0.895	15.70

(#) = Out of Range

Methyl Acetate

Response Ratio



$$\text{Response} = 9.139\text{e-}001 * \text{Amt} + 8.677\text{e-}003$$

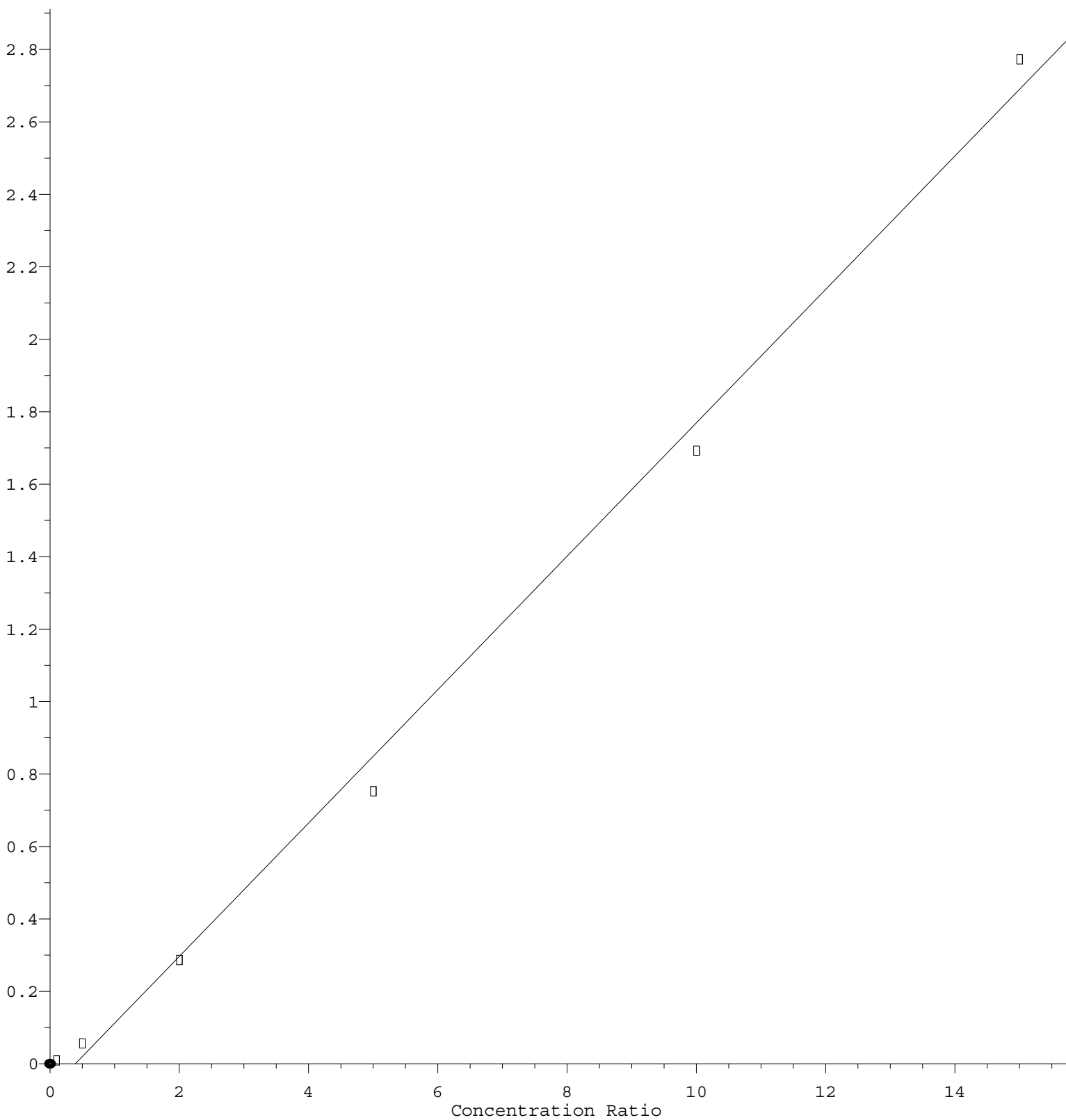
Coef of Det (r^2) = 0.999163 Curve Fit: Linear

Method Name: Z:\voasrv\HPCHEM1\MSVOA N\methods\82N020222W.M

Calibration Table Last Updated: Wed Feb 02 15:30:39 2022

2-Chloroethyl Vinyl ether

Response Ratio



$$\text{Response} = 1.841\text{e-}001 * \text{Amt} - 7.236\text{e-}002$$

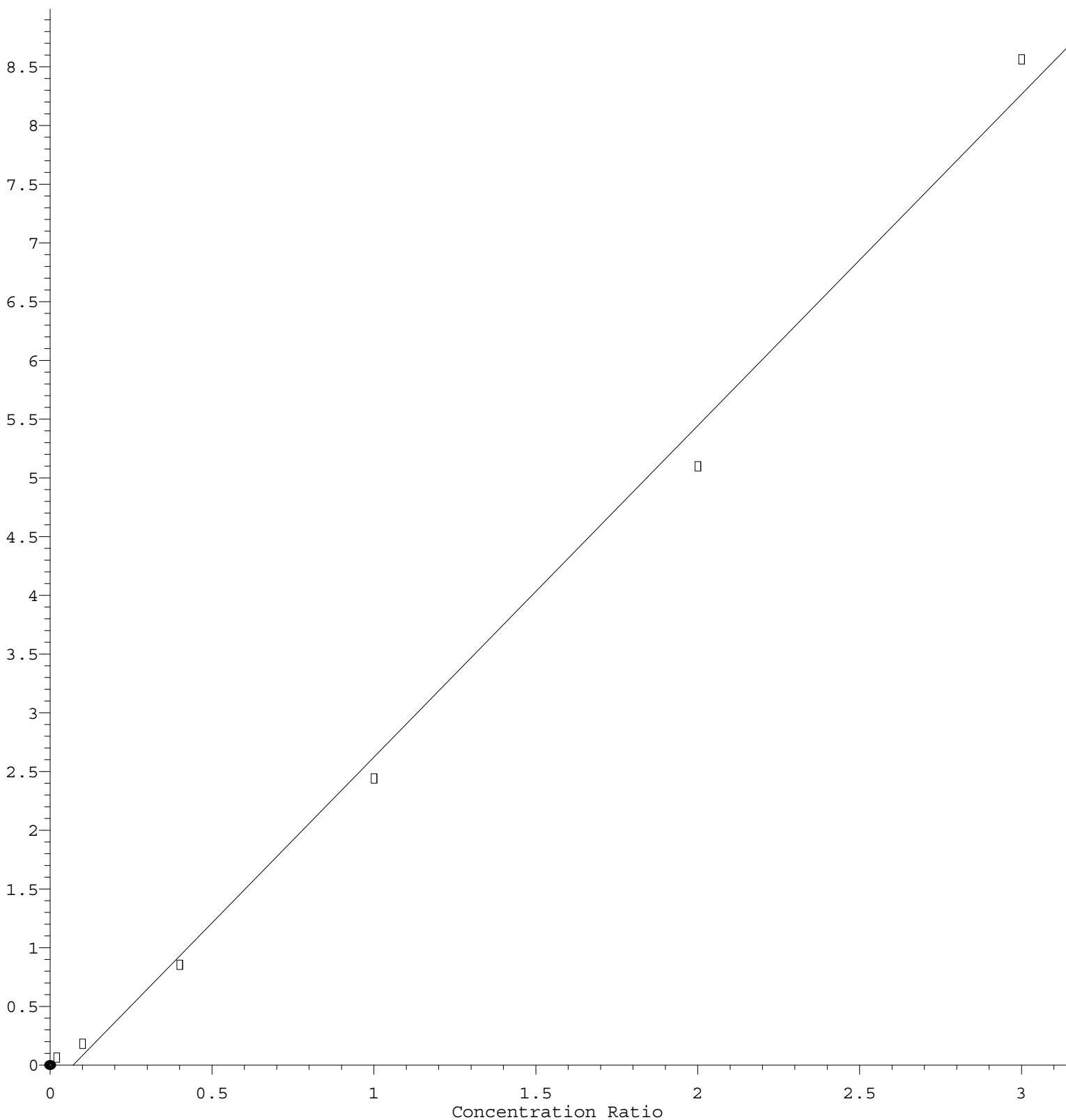
Coef of Det (r^2) = 0.995464 Curve Fit: Linear

Method Name: Z:\voasrv\HPCHEM1\MSVOA N\methods\82N020222W.M

Calibration Table Last Updated: Wed Feb 02 15:30:39 2022

Naphthalene

Response Ratio



$$\text{Response} = 2.822\text{e}+000 * \text{Amt} - 2.000\text{e}-001$$

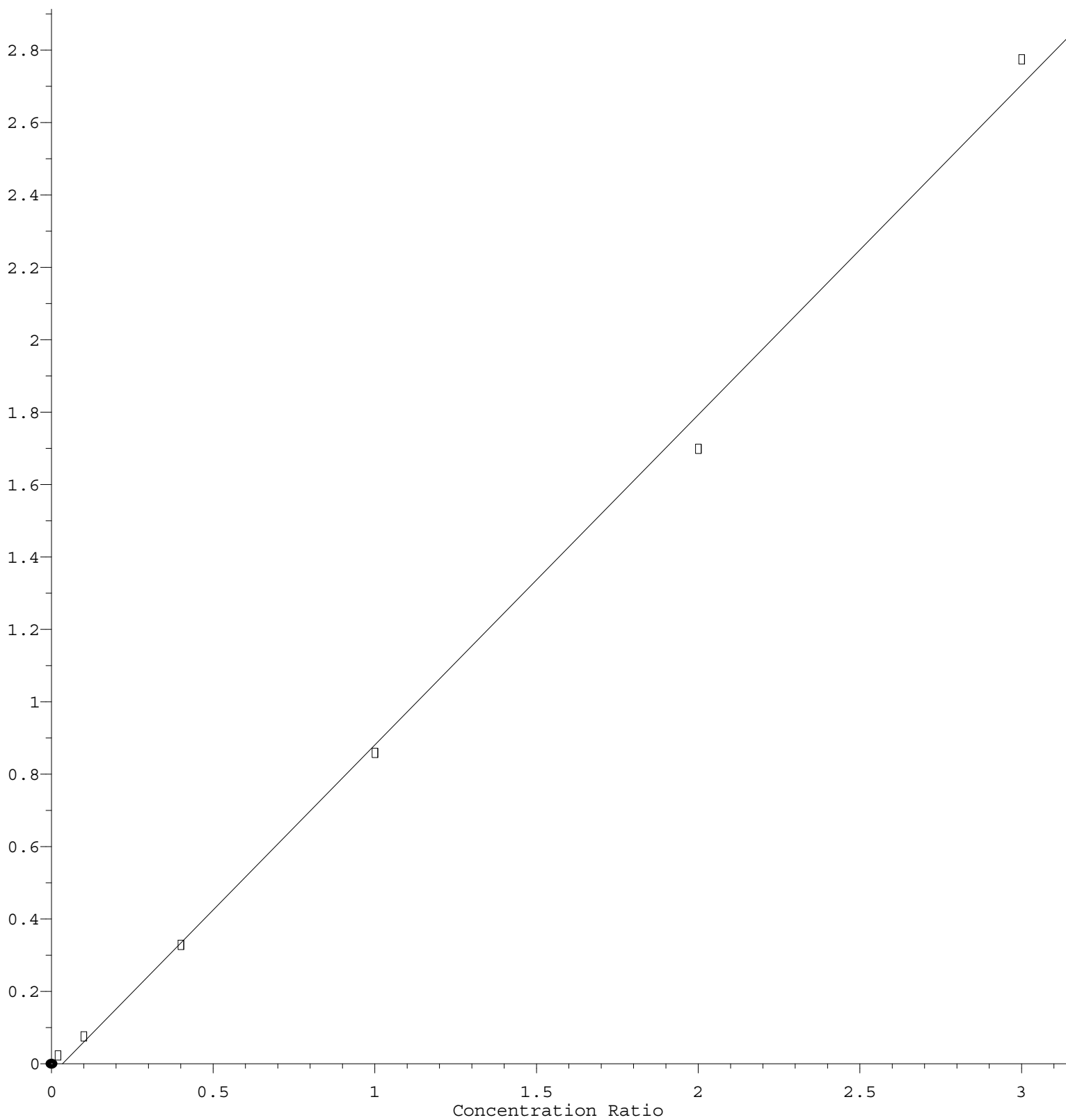
Coef of Det (r^2) = 0.994730 Curve Fit: Linear

Method Name: Z:\voasrv\HPCHEM1\MSVOA N\methods\82N020222W.M

Calibration Table Last Updated: Wed Feb 02 15:30:39 2022

1,2,3-Trichlorobenzene

Response Ratio



$$\text{Response} = 9.118\text{e-}001 * \text{Amt} - 3.102\text{e-}002$$

Coef of Det (r^2) = 0.997325 Curve Fit: Linear

Method Name: Z:\voasrv\HPCHEM1\MSVOA N\methods\82N020222W.M

Calibration Table Last Updated: Wed Feb 02 15:30:39 2022