

Method Path : Z:\voasrv\HPCHEM1\MSVOA_X\Method\
 Method File : 82X082825W.M
 Title : SW846 8260
 Last Update : Fri Aug 29 02:31:18 2025
 Response Via : Initial Calibration

Calibration Files

1 =VX047548.D 5 =VX047549.D 20 =VX047550.D 50 =VX047551.D 100 =VX047552.D 150 =VX047553.D

	Compound	1	5	20	50	100	150	Avg	%RSD
1) I	Pentafluorobenzene	-----ISTD-----							
2) T	Dichlorodifluo...	0.459	0.581	0.582	0.522	0.541	0.601	0.548	9.56
3) P	Chloromethane	0.629	0.597	0.600	0.564	0.605	0.594	0.598	3.50
4) C	Vinyl Chloride	0.646	0.706	0.727	0.679	0.724	0.737	0.703	4.95#
5) T	Bromomethane		0.326	0.322	0.311	0.334	0.227	0.304	14.44
6) T	Chloroethane	0.538	0.422	0.439	0.422	0.440	0.420	0.447	10.25
7) T	Trichlorofluor...	0.899	1.003	1.038	0.982	1.026	1.051	1.000	5.54
8) T	Diethyl Ether	0.374	0.383	0.413	0.400	0.426	0.385	0.397	5.03
9) T	1,1,2-Trichlor...	0.565	0.572	0.603	0.578	0.599	0.655	0.595	5.54
10) T	Methyl Iodide		0.800	0.865	0.946	1.171	1.147	0.986	16.93
11) T	Tert butyl alc...		0.069	0.068	0.069	0.076	0.071	0.071	4.49
12) CM	1,1-Dichloroet...	0.617	0.608	0.640	0.616	0.655	0.654	0.631	3.28#
13) T	Acrolein		0.146	0.146	0.134	0.149	0.133	0.141	5.39
14) T	Allyl chloride	1.122	1.135	1.166	1.141	1.239	1.137	1.157	3.70
15) T	Acrylonitrile	0.266	0.316	0.327	0.320	0.350	0.315	0.316	8.74
16) T	Acetone	0.372	0.310	0.299	0.280	0.303	0.261	0.304	12.46
17) T	Carbon Disulfide	1.935	1.856	1.885	1.802	1.896	1.891	1.878	2.39
18) T	Methyl Acetate	0.726	0.720	0.721	0.769	0.817	0.746	0.750	5.06
19) T	Methyl tert-bu...	1.857	2.027	2.130	2.089	2.251	2.012	2.061	6.41
20) T	Methylene Chlo...	0.848	0.834	0.773	0.732	0.770	0.686	0.774	7.91
21) T	trans-1,2-Dich...	0.585	0.698	0.695	0.676	0.707	0.670	0.672	6.69
22) T	Diisopropyl ether	2.093	2.324	2.476	2.379	2.490	2.216	2.330	6.61
23) T	Vinyl Acetate	1.469	1.884	2.038	1.988	2.124	1.880	1.897	12.09
24) P	1,1-Dichloroet...	1.217	1.338	1.340	1.275	1.349	1.248	1.295	4.28
25) T	2-Butanone	0.369	0.394	0.415	0.400	0.437	0.385	0.400	5.95
26) T	2,2-Dichloropr...	0.865	0.858	0.944	0.931	1.021	0.996	0.936	7.08
27) T	cis-1,2-Dichlo...	0.749	0.832	0.865	0.815	0.859	0.792	0.819	5.34
28) T	Bromochloromet...	0.480	0.630	0.589	0.565	0.583	0.505	0.559	10.04
29) T	Tetrahydrofuran	0.225	0.244	0.256	0.250	0.272	0.243	0.248	6.31
30) C	Chloroform	1.247	1.358	1.391	1.308	1.365	1.240	1.318	4.83#
31) T	Cyclohexane		1.042	1.116	1.043	1.062	1.136	1.080	4.03
32) T	1,1,1-Trichlor...	0.965	1.059	1.109	1.070	1.138	1.104	1.074	5.66
33) S	1,2-Dichloroet...		0.866	0.651	0.760	0.809	0.753	0.768	10.38
34) I	1,4-Difluorobenzene	-----ISTD-----							
35) S	Dibromofluorom...		0.377	0.285	0.342	0.358	0.353	0.343	10.16
36) T	1,1-Dichloropr...	0.428	0.487	0.508	0.487	0.502	0.519	0.488	6.61
37) T	Ethyl Acetate	0.400	0.468	0.494	0.488	0.534	0.504	0.481	9.39
38) T	Carbon Tetrach...	0.580	0.503	0.550	0.516	0.537	0.566	0.542	5.41
39) T	Methylcyclohexane	0.487	0.533	0.574	0.542	0.575	0.669	0.563	10.87
40) TM	Benzene	1.493	1.538	1.643	1.544	1.601	1.537	1.559	3.42
41) T	Methacrylonitrile	0.196	0.185	0.224	0.255	0.261	0.247	0.228	14.02
42) TM	1,2-Dichloroet...	0.525	0.580	0.605	0.553	0.575	0.529	0.561	5.58
43) T	Isopropyl Acetate	0.543	0.752	0.816	0.820	0.877	0.833	0.773	15.47
44) TM	Trichloroethene	0.366	0.379	0.404	0.380	0.393	0.397	0.386	3.63
45) C	1,2-Dichloropr...	0.357	0.374	0.419	0.398	0.418	0.392	0.393	6.25#
46) T	Dibromomethane	0.258	0.288	0.313	0.290	0.303	0.282	0.289	6.50
47) T	Bromodichlorom...	0.531	0.604	0.626	0.588	0.616	0.582	0.591	5.70
48) T	Methyl methacr...	0.285	0.362	0.426	0.424	0.459	0.431	0.398	16.07
49) T	1,4-Dioxane	0.003	0.004	0.004	0.004	0.005	0.004	0.004	16.60
50) S	Toluene-d8		1.326	0.999	1.199	1.243	1.247	1.203	10.19
51) T	4-Methyl-2-Pen...	0.362	0.453	0.483	0.478	0.504	0.462	0.457	10.92
52) CM	Toluene	0.847	0.953	1.018	0.956	0.981	0.947	0.950	6.01#
53) T	t-1,3-Dichloro...	0.419	0.500	0.555	0.558	0.597	0.566	0.533	12.02
54) T	cis-1,3-Dichlo...	0.489	0.553	0.622	0.611	0.650	0.616	0.590	9.97
55) T	1,1,2-Trichlor...	0.348	0.379	0.389	0.372	0.385	0.352	0.371	4.66
56) T	Ethyl methacry...	0.412	0.505	0.580	0.582	0.628	0.585	0.549	14.14

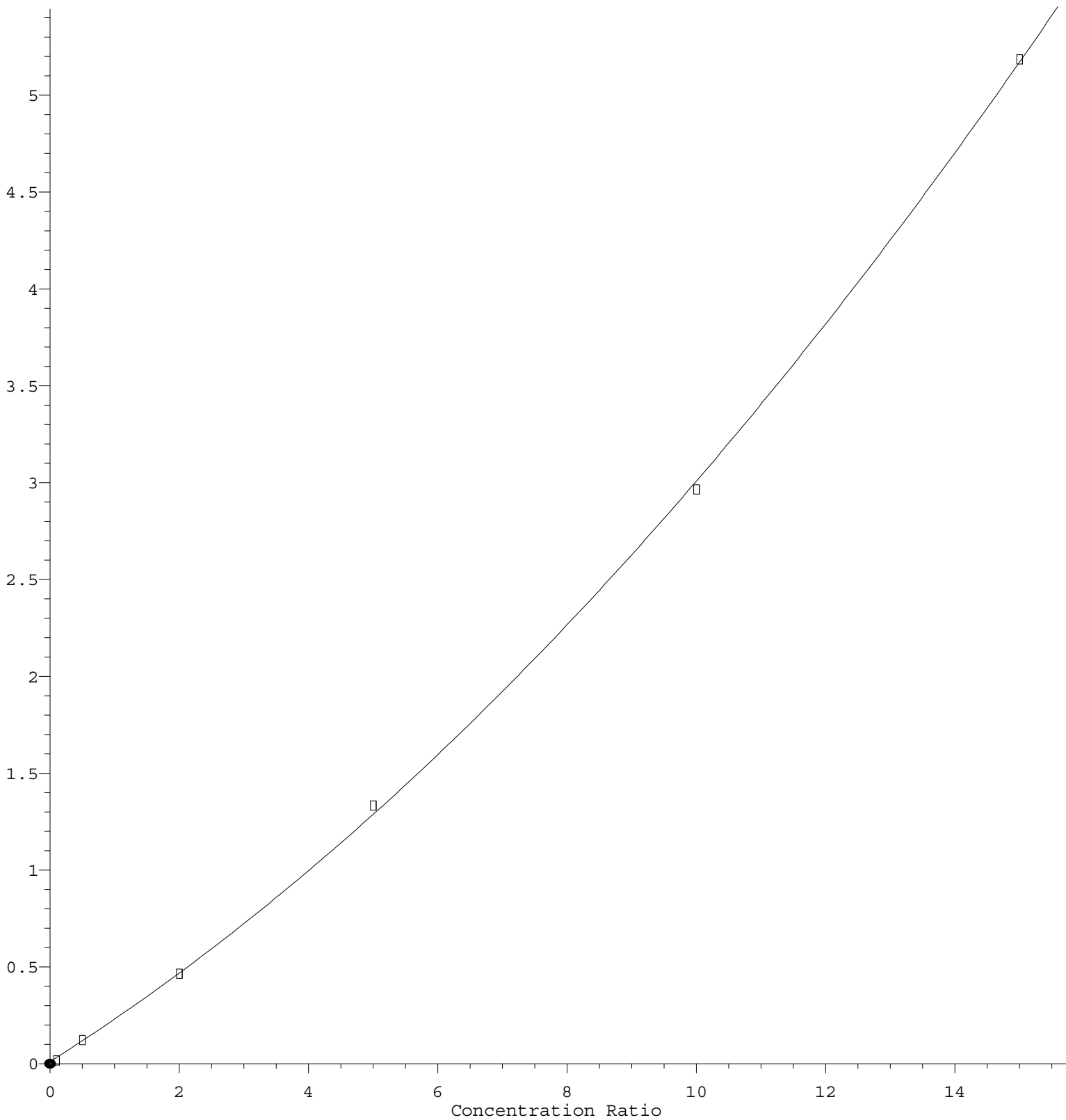
Method Path : Z:\voasrv\HPCHEM1\MSVOA_X\Method\
 Method File : 82X082825W.M

57)	T	1,3-Dichloropr...	0.586	0.663	0.685	0.645	0.664	0.608	0.642	5.87
58)	T	2-Chloroethyl ...	0.170	0.244	0.232	0.267	0.296	0.346	0.259	22.99
59)	T	2-Hexanone	0.248	0.291	0.337	0.328	0.347	0.323	0.312	11.82
60)	T	Dibromochlorom...	0.409	0.451	0.462	0.446	0.460	0.429	0.443	4.62
61)	T	1,2-Dibromoethane	0.321	0.375	0.403	0.388	0.404	0.372	0.377	8.15
62)	S	4-Bromofluorob...	0.502	0.382	0.455	0.463	0.458	0.452		9.59
63)	I	Chlorobenzene-d5	-----ISTD-----							
64)	T	Tetrachloroethene	0.286	0.340	0.355	0.330	0.345	0.353	0.335	7.62
65)	PM	Chlorobenzene	1.077	1.172	1.215	1.167	1.216	1.177	1.170	4.32
66)	T	1,1,1,2-Tetrac...	0.354	0.379	0.407	0.399	0.433	0.409	0.397	6.92
67)	C	Ethyl Benzene	1.678	1.918	2.067	1.976	2.097	2.066	1.967	7.97#
68)	T	m/p-Xylenes	0.610	0.710	0.780	0.744	0.782	0.757	0.731	8.88
69)	T	o-Xylene	0.544	0.703	0.747	0.724	0.763	0.742	0.704	11.52
70)	T	Styrene	0.943	1.168	1.337	1.273	1.341	1.265	1.221	12.29
71)	P	Bromoform	0.258	0.288	0.313	0.305	0.334	0.315	0.302	8.63
72)	I	1,4-Dichlorobenzen...	-----ISTD-----							
73)	T	Isopropylbenzene	2.728	3.538	3.882	3.780	4.062	4.085	3.679	13.79
74)	T	N-amyl acetate	1.038	1.323	1.550	1.601	1.834	1.771	1.519	19.54
75)	P	1,1,2,2-Tetrac...	0.962	1.172	1.209	1.184	1.274	1.177	1.163	9.07
76)	T	1,2,3-Trichlor...	0.624	0.868	0.929	0.949	1.038	0.945	0.892	15.93
77)	T	Bromobenzene	0.748	0.919	0.990	0.983	1.028	0.980	0.941	10.74
78)	T	n-propylbenzene	3.310	4.160	4.628	4.503	4.824	4.857	4.380	13.29
79)	T	2-Chlorotoluene	2.196	2.693	2.881	2.743	2.935	2.851	2.717	9.95
80)	T	1,3,5-Trimethy...	2.164	2.895	3.188	3.128	3.354	3.320	3.008	14.78
81)	T	trans-1,4-Dich...	0.115	0.161	0.193	0.254	0.262	0.197		31.53
82)	T	4-Chlorotoluene	2.649	3.163	3.326	3.222	3.422	3.344	3.188	8.76
83)	T	tert-Butylbenzene	2.329	2.910	3.113	3.108	3.369	3.367	3.033	12.74
84)	T	1,2,4-Trimethy...	2.247	2.920	3.265	3.197	3.414	3.354	3.066	14.24
85)	T	sec-Butylbenzene	2.850	3.471	3.741	3.696	3.992	4.144	3.649	12.52
86)	T	p-Isopropyltol...	2.309	2.939	3.195	3.095	3.352	3.462	3.059	13.44
87)	T	1,3-Dichlorobe...	1.435	1.763	1.858	1.773	1.873	1.825	1.755	9.27
88)	T	1,4-Dichlorobe...	1.674	1.806	1.872	1.790	1.901	1.828	1.812	4.37
89)	T	n-Butylbenzene	2.221	2.617	2.855	2.834	3.098	3.313	2.823	13.45
90)	T	Hexachloroethane	0.436	0.525	0.545	0.565	0.635	0.667	0.562	14.63
91)	T	1,2-Dichlorobe...	1.505	1.711	1.823	1.708	1.819	1.751	1.720	6.77
92)	T	1,2-Dibromo-3-...	0.148	0.209	0.210	0.220	0.254	0.245	0.215	17.37
93)	T	1,2,4-Trichlor...	0.832	0.968	1.052	1.046	1.196	1.195	1.048	13.24
94)	T	Hexachlorobuta...	0.407	0.362	0.317	0.322	0.367	0.411	0.364	11.03
95)	T	Naphthalene	2.111	2.677	3.087	3.225	3.694	3.589	3.064	19.35
96)	T	1,2,3-Trichlor...	0.801	0.940	0.960	0.975	1.122	1.111	0.985	12.12

(#) = Out of Range

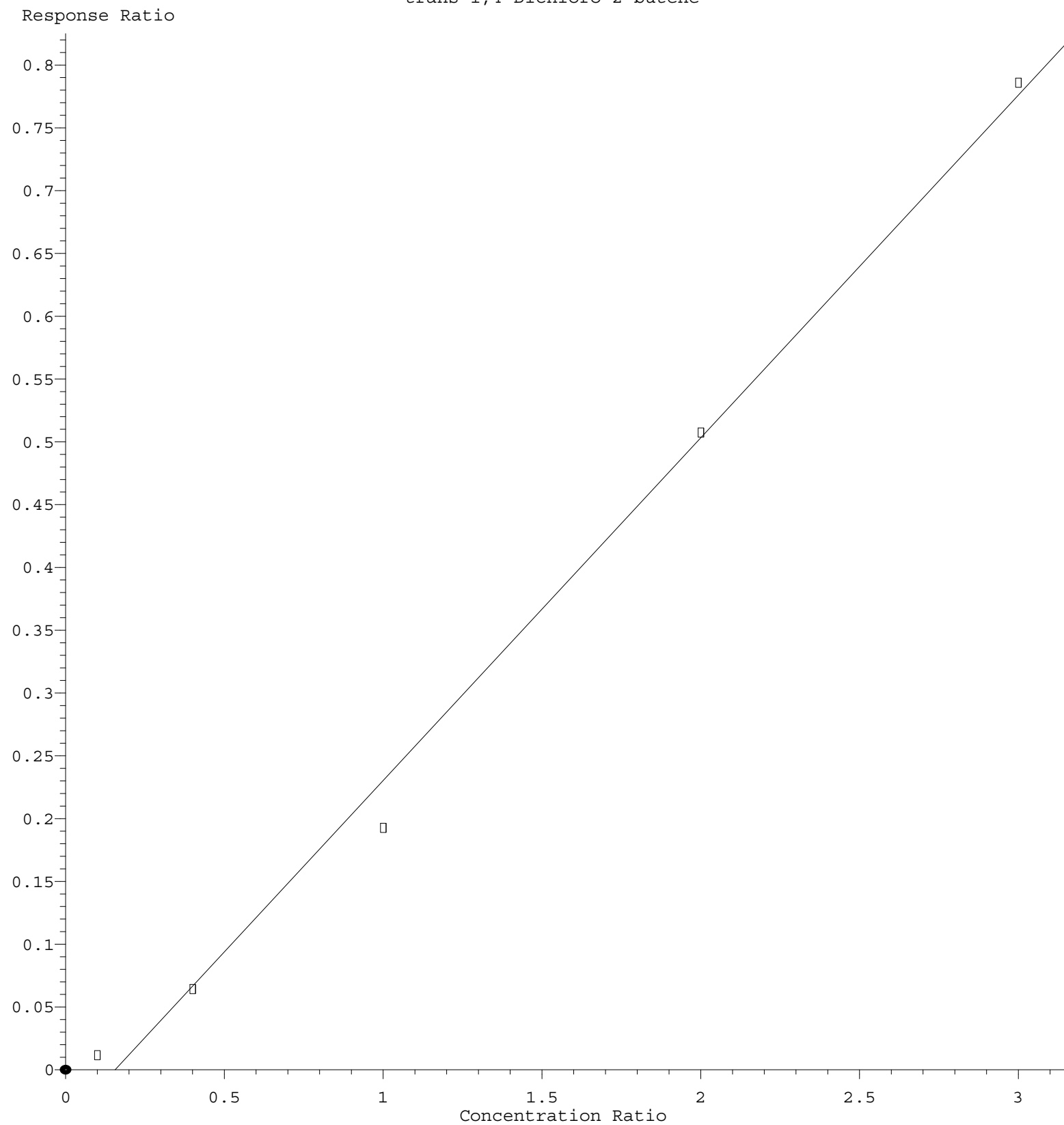
2-Chloroethyl Vinyl ether

Response Ratio



$R = 8.866e-003 A^2 + 2.110e-001 A + 1.135e-002$
 Coef of Det (r^2) = 0.999791 Curve Fit: Quadratic
 Method Name: Z:\voasrv\HPCHEM1\MSVOA X\Method\82X082825W.M
 Calibration Table Last Updated: Fri Aug 29 02:31:18 2025

trans-1,4-Dichloro-2-butene



Response = $2.730 \times 10^{-1} \times \text{Amt} - 4.257 \times 10^{-2}$
Coef of Det (r^2) = 0.994732 Curve Fit: Linear
Method Name: Z:\voasrv\HPCHEM1\MSVOA X\Method\82X082825W.M
Calibration Table Last Updated: Fri Aug 29 02:31:18 2025