

Method Path : Z:\voasrv\HPCHEM1\MSVOA_N\methods\
 Method File : 82N031824W.M
 Title : SW846 8260
 Last Update : Tue Mar 19 06:00:00 2024
 Response Via : Initial Calibration

Calibration Files

1 =VN081457.D 5 =VN081456.D 10 =VN081455.D 20 =VN081454.D 50 =VN081453.D 100 =VN081452.D

	Compound	1	5	10	20	50	100	Avg	%RSD
1) I	Pentafluorobenzene	-----ISTD-----							
2) T	Dichlorodifluo...	0.778	0.661	0.635	0.653	0.645	0.667	0.673	7.78
3) P	Chloromethane	0.774	0.687	0.661	0.656	0.627	0.617	0.670	8.46
4) C	Vinyl Chloride	0.827	0.750	0.737	0.736	0.711	0.753	0.752	5.27#
5) T	Bromomethane		0.610	0.525	0.522	0.503	0.500	0.532	8.44
6) T	Chloroethane	0.605	0.523	0.500	0.475	0.488	0.508	0.517	8.98
7) T	Trichlorofluor...	1.133	1.164	1.088	1.106	1.089	1.147	1.121	2.82
8) T	Diethyl Ether	0.364	0.362	0.376	0.358	0.374	0.391	0.371	3.22
9) T	1,1,2-Trichlor...	0.684	0.659	0.615	0.610	0.610	0.644	0.637	4.85
10) T	Methyl Iodide		0.561	0.560	0.608	0.679	0.764	0.634	13.73
11) T	Tert butyl alc...		0.111	0.115	0.112	0.113	0.105	0.111	3.28
12) CM	1,1-Dichloroet...	0.664	0.571	0.563	0.566	0.576	0.601	0.590	6.56#
13) T	Acrolein		0.104	0.106	0.098	0.109	0.082	0.100	10.91
14) T	Allyl chloride	0.755	0.731	0.735	0.723	0.732	0.760	0.739	1.98
15) T	Acrylonitrile	0.314	0.292	0.297	0.295	0.290	0.295	0.297	2.94
16) T	Acetone	0.253	0.202	0.217	0.190	0.192	0.183	0.206	12.63
17) T	Carbon Disulfide	1.953	1.682	1.666	1.605	1.589	1.665	1.693	7.82
18) T	Methyl Acetate	0.703	0.588	0.673	0.555	0.638	0.655	0.635	8.66
19) T	Methyl tert-bu...	1.749	1.768	1.821	1.857	1.892	1.993	1.847	4.84
20) T	Methylene Chlo...	0.740	0.718	0.653	0.643	0.630	0.666	0.675	6.51
21) T	trans-1,2-Dich...	0.759	0.676	0.608	0.619	0.622	0.664	0.658	8.59
22) T	Diisopropyl ether	1.528	1.627	1.735	1.747	1.780	1.890	1.718	7.32
23) T	Vinyl Acetate	1.145	1.337	1.363	1.404	1.447	1.510	1.368	9.16
24) P	1,1-Dichloroet...	1.274	1.127	1.136	1.099	1.109	1.159	1.151	5.56
25) T	2-Butanone	0.369	0.339	0.361	0.342	0.356	0.353	0.353	3.15
26) T	2,2-Dichloropr...	0.935	0.979	0.959	0.987	1.031	1.098	0.998	5.82
27) T	cis-1,2-Dichlo...	0.810	0.735	0.690	0.731	0.728	0.772	0.744	5.53
28) T	Bromochloromet...	0.540	0.520	0.442	0.430	0.461	0.419	0.469	10.67
29) T	Tetrahydrofuran	0.236	0.230	0.240	0.233	0.243	0.245	0.238	2.51
30) C	Chloroform	1.260	1.260	1.206	1.191	1.209	1.266	1.232	2.72#
31) T	Cyclohexane		1.169	1.038	1.009	0.968	1.003	1.038	7.49
32) T	1,1,1-Trichlor...	1.170	1.106	1.097	1.078	1.091	1.164	1.118	3.53
33) S	1,2-Dichloroet...		0.686	0.584	0.617	0.654	0.647	0.638	6.05
34) I	1,4-Difluorobenzene	-----ISTD-----							
35) S	Dibromofluorom...		0.325	0.275	0.308	0.336	0.334	0.316	7.96
36) T	1,1-Dichloropr...	0.516	0.508	0.518	0.522	0.540	0.582	0.531	5.14
37) T	Ethyl Acetate	0.459	0.437	0.429	0.469	0.463	0.472	0.455	3.89
38) T	Carbon Tetrach...	0.607	0.541	0.548	0.572	0.589	0.634	0.582	6.08
39) T	Methylcyclohexane	0.494	0.562	0.558	0.598	0.638	0.709	0.593	12.49
40) TM	Benzene	1.538	1.450	1.493	1.552	1.599	1.684	1.553	5.29
41) T	Methacrylonitrile	0.237	0.215	0.253	0.250	0.237	0.251	0.240	5.93
42) TM	1,2-Dichloroet...	0.551	0.532	0.531	0.539	0.544	0.581	0.546	3.39
43) T	Isopropyl Acetate	0.720	0.727	0.726	0.756	0.783	0.811	0.754	4.91
44) TM	Trichloroethene	0.465	0.431	0.401	0.421	0.431	0.470	0.437	6.03
45) C	1,2-Dichloropr...	0.349	0.357	0.374	0.375	0.387	0.416	0.376	6.31#
46) T	Dibromomethane	0.291	0.282	0.276	0.278	0.282	0.306	0.286	3.95
47) T	Bromodichlorom...	0.534	0.527	0.549	0.546	0.578	0.619	0.559	6.14
48) T	Methyl methacr...	0.309	0.315	0.351	0.355	0.367	0.389	0.348	8.84
49) T	1,4-Dioxane	0.007	0.009	0.008	0.009	0.009	0.009	0.008	6.92
50) S	Toluene-d8		1.139	0.972	1.124	1.223	1.246	1.141	9.48
51) T	4-Methyl-2-Pen...	0.425	0.431	0.454	0.459	0.486	0.506	0.460	6.81
52) CM	Toluene	0.919	0.936	0.938	0.993	1.015	1.120	0.987	7.62#
53) T	t-1,3-Dichloro...	0.602	0.542	0.560	0.587	0.634	0.694	0.603	9.07
54) T	cis-1,3-Dichlo...	0.598	0.607	0.632	0.644	0.670	0.729	0.647	7.41
55) T	1,1,2-Trichlor...	0.379	0.397	0.391	0.399	0.395	0.421	0.397	3.47
56) T	Ethyl methacry...	0.412	0.470	0.495	0.550	0.592	0.655	0.529	16.64

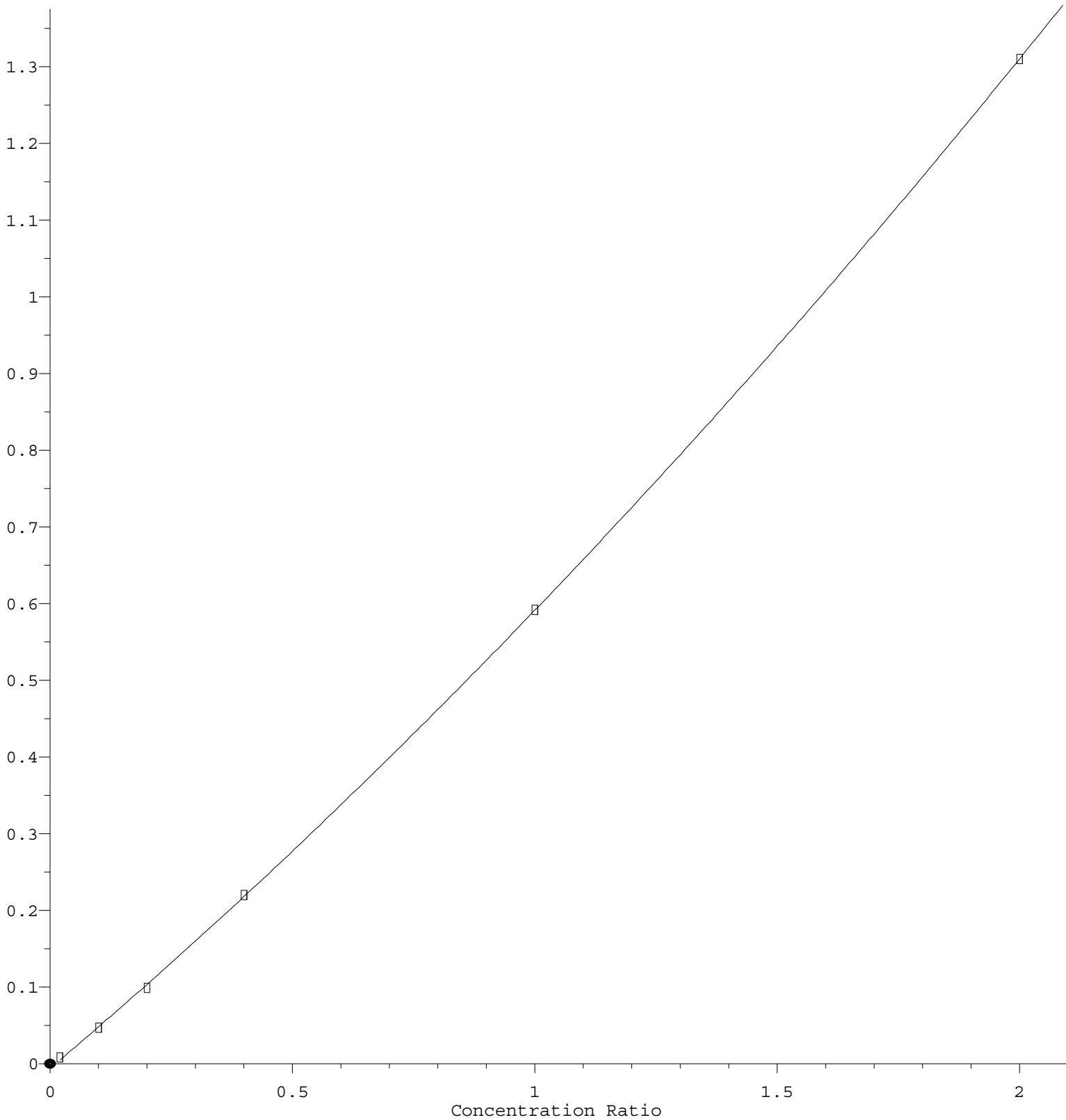
Method Path : Z:\voasrv\HPCHEM1\MSVOA_N\methods\
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57)	T	1,3-Dichloropr...	0.603	0.630	0.623	0.655	0.675	0.720	0.651	6.46
58)	T	2-Chloroethyl ...	0.245	0.276	0.267	0.268	0.308	0.134	0.250	24.09
59)	T	2-Hexanone	0.289	0.313	0.339	0.347	0.369	0.384	0.340	10.33
60)	T	Dibromochlorom...	0.445	0.397	0.421	0.425	0.444	0.489	0.437	7.06
61)	T	1,2-Dibromoethane	0.386	0.387	0.380	0.408	0.421	0.448	0.405	6.42
62)	S	4-Bromofluorob...		0.381	0.326	0.399	0.440	0.464	0.402	13.29
63)	I	Chlorobenzene-d5	-----ISTD-----							
64)	T	Tetrachloroethene	0.498	0.474	0.456	0.467	0.462	0.510	0.478	4.50
65)	PM	Chlorobenzene	1.178	1.135	1.151	1.186	1.168	1.274	1.182	4.14
66)	T	1,1,1,2-Tetrac...	0.416	0.400	0.428	0.452	0.443	0.489	0.438	7.11
67)	C	Ethyl Benzene	1.820	1.897	1.984	2.087	2.140	2.392	2.053	9.91#
68)	T	m/p-Xylenes	0.643	0.691	0.755	0.792	0.814	0.923	0.770	12.78
69)	T	o-Xylene	0.652	0.704	0.722	0.784	0.785	0.888	0.756	10.88
70)	T	Styrene	1.005	1.058	1.173	1.267	1.317	1.492	1.219	14.69
71)	P	Bromoform	0.322	0.299	0.319	0.327	0.337	0.371	0.329	7.32
72)	I	1,4-Dichlorobenzen...	-----ISTD-----							
73)	T	Isopropylbenzene	3.777	3.924	4.172	4.308	4.550	4.841	4.262	9.26
74)	T	N-amyl acetate	1.376	1.372	1.504	1.529	1.698	1.775	1.542	10.73
75)	P	1,1,2,2-Tetrac...	1.336	1.246	1.234	1.243	1.237	1.223	1.253	3.30
76)	T	1,2,3-Trichlor...	1.227	1.215	1.190	1.165	1.177	1.203	1.196	1.95
77)	T	Bromobenzene	1.087	1.036	1.020	1.029	1.049	1.096	1.053	2.99
78)	T	n-propylbenzene	4.420	4.566	4.842	5.096	5.449	5.827	5.033	10.66
79)	T	2-Chlorotoluene	2.978	2.700	2.986	2.997	3.120	3.294	3.012	6.49
80)	T	1,3,5-Trimethy...	2.801	3.195	3.529	3.677	3.856	4.063	3.520	13.05
81)	T	trans-1,4-Dich...		0.392	0.406	0.441	0.480	0.494	0.443	10.01
82)	T	4-Chlorotoluene	2.597	2.835	2.899	3.006	3.147	3.335	2.970	8.63
83)	T	tert-Butylbenzene	2.839	2.791	2.892	3.065	3.231	3.396	3.036	7.90
84)	T	1,2,4-Trimethy...	2.792	3.238	3.525	3.743	3.827	4.102	3.538	13.20
85)	T	sec-Butylbenzene	3.738	3.873	4.254	4.412	4.694	5.067	4.340	11.50
86)	T	p-Isopropyltol...	2.800	3.126	3.484	3.743	3.887	4.244	3.547	14.80
87)	T	1,3-Dichlorobe...	1.938	1.812	1.915	1.955	1.927	2.060	1.934	4.11
88)	T	1,4-Dichlorobe...	2.154	1.955	1.942	1.969	1.941	2.058	2.003	4.29
89)	T	n-Butylbenzene	2.616	2.773	2.991	3.171	3.479	3.843	3.146	14.50
90)	T	Hexachloroethane	0.683	0.629	0.628	0.656	0.688	0.748	0.672	6.73
91)	T	1,2-Dichlorobe...	1.963	1.706	1.869	1.861	1.841	1.931	1.862	4.78
92)	T	1,2-Dibromo-3-...	0.274	0.247	0.265	0.267	0.271	0.276	0.267	3.89
93)	T	1,2,4-Trichlor...	1.117	0.929	1.000	1.054	1.122	1.237	1.077	9.97
94)	T	Hexachlorobuta...	0.527	0.415	0.444	0.460	0.475	0.512	0.472	8.89
95)	T	Naphthalene	3.374	2.826	3.294	3.504	3.839	4.094	3.488	12.69
96)	T	1,2,3-Trichlor...	1.128	0.959	1.035	1.051	1.110	1.214	1.083	8.09

(#) = Out of Range

Ethyl methacrylate

Response Ratio



$R = 6.086e-002 A^2 + 5.364e-001 A - 6.126e-003$
 Coef of Det (r^2) = 0.999969 Curve Fit: Quadratic
 Method Name: Z:\voasrv\HPCHEM1\MSVOA N\methods\82N031824W.M
 Calibration Table Last Updated: Tue Mar 19 06:00:00 2024