

Method Path : Z:\voasrv\HPCHEM1\MSVOA_X\Method\
 Method File : 82X082224W.M
 Title : SW846 8260
 Last Update : Fri Aug 23 08:42:59 2024
 Response Via : Initial Calibration

Calibration Files

1 =VX043084.D 5 =VX043085.D 20 =VX043086.D 50 =VX043087.D 100 =VX043088.D 150 =VX043089.D

	Compound	1	5	20	50	100	150	Avg	%RSD
1) I	Pentafluorobenzene	-----ISTD-----							
2) T	Dichlorodifluo...	0.394	0.450	0.451	0.466	0.446	0.476	0.447	6.38
3) P	Chloromethane	0.766	0.720	0.663	0.637	0.635	0.604	0.671	9.06
4) C	Vinyl Chloride	0.764	0.747	0.738	0.671	0.683	0.657	0.710	6.34#
5) T	Bromomethane		0.460	0.430	0.414	0.434	0.378	0.423	7.09
6) T	Chloroethane	0.377	0.447	0.389	0.359	0.317		0.378	12.47
7) T	Trichlorofluor...	1.297	1.429	1.207	1.109	1.103	1.055	1.200	11.83
8) T	Diethyl Ether	0.550	0.535	0.516	0.516	0.522	0.474	0.519	4.96
9) T	1,1,2-Trichlor...	0.591	0.612	0.595	0.579	0.575	0.558	0.585	3.19
10) T	Methyl Iodide		0.639	0.672	0.603	0.609	0.574	0.620	6.04
11) T	Tert butyl alc...		0.156	0.166	0.178	0.185	0.167	0.170	6.50
12) CM	1,1-Dichloroet...	0.616	0.638	0.600	0.559	0.564	0.549	0.588	6.09#
13) T	Acrolein		0.132	0.067	0.072	0.072	0.067	0.082	34.45
14) T	Allyl chloride	1.115	1.104	1.115	1.017	0.990	0.913	1.042	7.99
15) T	Acrylonitrile	0.393	0.409	0.399	0.405	0.417	0.375	0.400	3.71
16) T	Acetone	0.405	0.349	0.393	0.351	0.355	0.311	0.361	9.44
17) T	Carbon Disulfide	1.614	1.612	1.532	1.454	1.456	1.418	1.514	5.62
18) T	Methyl Acetate	1.230	1.132	1.153	1.168	1.157	1.028	1.145	5.76
19) T	Methyl tert-bu...	2.096	2.219	2.203	2.281	2.341	2.127	2.211	4.16
20) T	Methylene Chlo...	0.787	0.734	0.691	0.669	0.680	0.631	0.699	7.82
21) T	trans-1,2-Dich...	0.596	0.631	0.609	0.593	0.610	0.585	0.604	2.68
22) T	Diisopropyl ether	2.355	2.319	2.288	2.297	2.333	2.115	2.284	3.78
23) T	Vinyl Acetate	2.407	2.672	2.675	2.683	2.650	2.266	2.559	6.96
24) P	1,1-Dichloroet...	1.228	1.258	1.236	1.204	1.242	1.137	1.217	3.55
25) T	2-Butanone	0.513	0.543	0.567	0.572	0.582	0.520	0.549	5.25
26) T	2,2-Dichloropr...	1.078	1.042	1.061	0.975	1.034	0.995	1.031	3.80
27) T	cis-1,2-Dichlo...	0.768	0.771	0.767	0.745	0.764	0.719	0.755	2.63
28) T	Bromochloromet...	0.628	0.609	0.531	0.537	0.540	0.487	0.555	9.50
29) T	Tetrahydrofuran	0.331	0.368	0.368	0.383	0.390	0.344	0.364	6.21
30) C	Chloroform	1.250	1.216	1.209	1.213	1.260	1.192	1.223	2.13#
31) T	Cyclohexane		1.112	1.027	0.992	1.009	0.982	1.025	5.05
32) T	1,1,1-Trichlor...	1.026	1.030	1.026	1.020	1.074	1.041	1.036	1.91
33) S	1,2-Dichloroet...		0.827	0.828	0.811	0.861	0.782	0.822	3.51
34) I	1,4-Difluorobenzene	-----ISTD-----							
35) S	Dibromofluorom...		0.342	0.350	0.340	0.362	0.331	0.345	3.35
36) T	1,1-Dichloropr...	0.421	0.427	0.446	0.432	0.455	0.442	0.437	2.89
37) T	Ethyl Acetate	0.638	0.632	0.602	0.622	0.647	0.580	0.620	4.05
38) T	Carbon Tetrach...	0.394	0.455	0.455	0.463	0.491	0.481	0.457	7.45
39) T	Methylcyclohexane	0.618	0.568	0.564	0.567	0.577	0.565	0.577	3.65
40) TM	Benzene	1.415	1.436	1.457	1.410	1.443	1.374	1.422	2.07
41) T	Methacrylonitrile	0.298	0.282	0.316	0.329	0.335	0.308	0.311	6.33
42) TM	1,2-Dichloroet...	0.472	0.510	0.507	0.525	0.544	0.502	0.510	4.72
43) T	Isopropyl Acetate	0.959	0.952	0.966	1.010	1.040	0.937	0.977	4.02
44) TM	Trichloroethene	0.331	0.316	0.329	0.317	0.332	0.319	0.324	2.25
45) C	1,2-Dichloropr...	0.341	0.352	0.374	0.363	0.371	0.351	0.359	3.62#
46) T	Dibromomethane	0.278	0.253	0.261	0.263	0.271	0.250	0.263	4.03
47) T	Bromodichlorom...	0.496	0.512	0.514	0.525	0.549	0.515	0.519	3.45
48) T	Methyl methacr...	0.362	0.413	0.449	0.464	0.477	0.432	0.433	9.56
49) T	1,4-Dioxane	0.007	0.009	0.009	0.008	0.010	0.009	0.009	13.22
50) S	Toluene-d8		1.222	1.287	1.221	1.294	1.196	1.244	3.52
51) T	4-Methyl-2-Pen...	0.543	0.590	0.606	0.628	0.621	0.536	0.587	6.76
52) CM	Toluene	0.815	0.862	0.876	0.865	0.898	0.853	0.862	3.20#
53) T	t-1,3-Dichloro...	0.444	0.481	0.541	0.553	0.589	0.552	0.527	10.18
54) T	cis-1,3-Dichlo...	0.558	0.554	0.574	0.587	0.618	0.580	0.579	4.02
55) T	1,1,2-Trichlor...	0.334	0.346	0.352	0.355	0.366	0.338	0.348	3.41
56) T	Ethyl methacry...	0.548	0.555	0.591	0.637	0.667	0.607	0.601	7.68

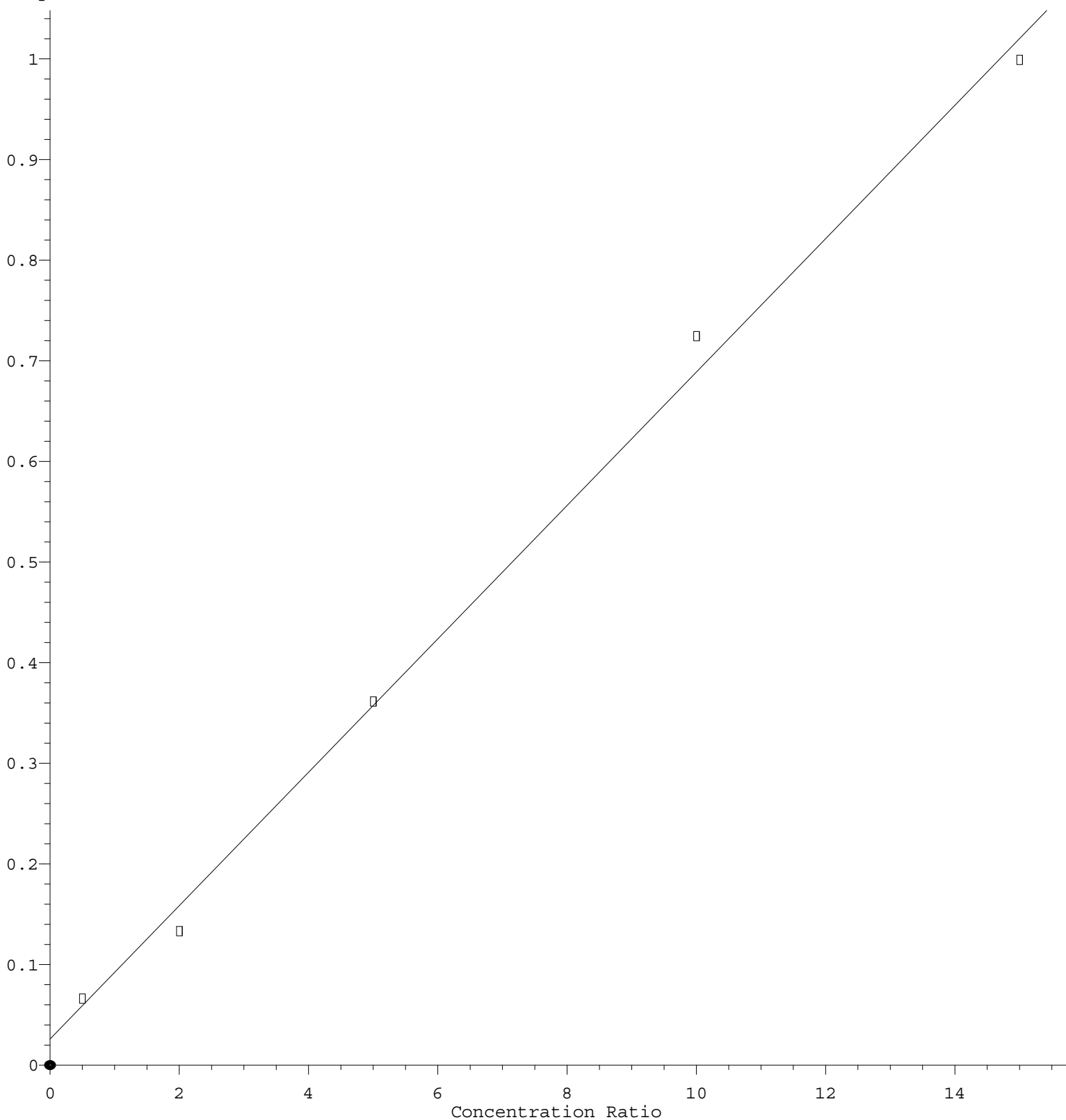
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57)	T	1,3-Dichloropr...	0.603	0.619	0.608	0.611	0.631	0.576	0.608	3.00
58)	T	2-Chloroethyl ...	0.268	0.285	0.286	0.303	0.306	0.273	0.287	5.32
59)	T	2-Hexanone	0.412	0.436	0.471	0.483	0.484	0.423	0.451	7.03
60)	T	Dibromochlorom...	0.339	0.357	0.380	0.409	0.425	0.396	0.384	8.43
61)	T	1,2-Dibromoethane	0.310	0.322	0.350	0.361	0.379	0.350	0.345	7.38
62)	S	4-Bromofluorob...	0.391	0.425	0.438	0.470	0.440	0.433		6.62
63)	I	Chlorobenzene-d5	-----ISTD-----							
64)	T	Tetrachloroethene	0.352	0.341	0.337	0.311	0.317	0.313	0.329	5.20
65)	PM	Chlorobenzene	1.149	1.072	1.102	1.084	1.100	1.069	1.096	2.69
66)	T	1,1,1,2-Tetrac...	0.386	0.368	0.375	0.376	0.386	0.373	0.377	2.00
67)	C	Ethyl Benzene	1.831	1.882	1.937	1.888	1.923	1.848	1.885	2.18#
68)	T	m/p-Xylenes	0.690	0.720	0.733	0.718	0.732	0.712	0.717	2.19
69)	T	o-Xylene	0.736	0.714	0.737	0.726	0.739	0.718	0.728	1.47
70)	T	Styrene	1.082	1.132	1.214	1.223	1.271	1.223	1.191	5.87
71)	P	Bromoform	0.263	0.292	0.306	0.330	0.349	0.329	0.311	10.01
72)	I	1,4-Dichlorobenzen...	-----ISTD-----							
73)	T	Isopropylbenzene	4.015	4.287	4.053	3.694	3.758	3.618	3.904	6.56
74)	T	N-amyl acetate	1.919	2.152	2.088	2.117	2.156	2.006	2.073	4.51
75)	P	1,1,2,2-Tetrac...	1.514	1.573	1.471	1.385	1.429	1.333	1.451	6.02
76)	T	1,2,3-Trichlor...	1.210	1.210	1.170	1.144	1.172	1.079	1.164	4.22
77)	T	Bromobenzene	0.872	0.921	0.905	0.857	0.886	0.860	0.884	2.91
78)	T	n-propylbenzene	4.307	4.550	4.601	4.347	4.380	4.173	4.393	3.61
79)	T	2-Chlorotoluene	3.127	2.878	2.742	2.600	2.653	2.527	2.754	7.96
80)	T	1,3,5-Trimethy...	3.234	3.271	3.284	3.126	3.138	3.010	3.177	3.32
81)	T	trans-1,4-Dich...	0.476	0.487	0.494	0.541	0.515	0.502		5.11
82)	T	4-Chlorotoluene	3.175	3.226	3.095	2.964	3.051	2.947	3.076	3.64
83)	T	tert-Butylbenzene	3.415	3.517	3.346	3.150	3.275	3.141	3.307	4.50
84)	T	1,2,4-Trimethy...	2.958	3.408	3.319	3.170	3.198	3.047	3.183	5.24
85)	T	sec-Butylbenzene	3.927	4.120	4.149	3.971	3.991	3.840	4.000	2.92
86)	T	p-Isopropyltol...	3.075	3.227	3.368	3.287	3.330	3.198	3.247	3.24
87)	T	1,3-Dichlorobe...	1.723	1.662	1.667	1.648	1.665	1.627	1.665	1.92
88)	T	1,4-Dichlorobe...	1.725	1.711	1.666	1.647	1.672	1.623	1.674	2.29
89)	T	n-Butylbenzene	2.573	2.603	2.921	2.970	3.066	3.043	2.863	7.65
90)	T	Hexachloroethane	0.693	0.672	0.667	0.646	0.683	0.684	0.674	2.45
91)	T	1,2-Dichlorobe...	1.634	1.776	1.700	1.633	1.677	1.632	1.675	3.40
92)	T	1,2-Dibromo-3-...	0.273	0.322	0.311	0.325	0.335	0.327	0.316	6.97
93)	T	1,2,4-Trichlor...	0.804	0.827	0.913	0.931	0.980	1.011	0.911	9.02
94)	T	Hexachlorobuta...	0.359	0.349	0.345	0.347	0.362	0.368	0.355	2.56
95)	T	Naphthalene	3.184	3.465	3.545	3.693	3.809	3.677	3.562	6.20
96)	T	1,2,3-Trichlor...	0.936	0.926	0.935	0.937	1.002	1.001	0.956	3.72

(#) = Out of Range

Acrolein

Response Ratio



$$\text{Response} = 6.635\text{e-}002 * \text{Amt} + 2.551\text{e-}002$$

Coef of Det (r^2) = 0.996155 Curve Fit: Linear

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Calibration Table Last Updated: Fri Aug 23 08:42:59 2024