

Method Path : Z:\voasrv\HPCHEM1\MSVOA_D\Method\
 Method File : 82D051024S.M
 Title : SW846 8260
 Last Update : Sat May 11 05:14:02 2024
 Response Via : Initial Calibration

Calibration Files

5 =VD078896.D 10 =VD078897.D 20 =VD078898.D 50 =VD078899.D 100 =VD078900.D 150 =VD078901.

D

Compound		5	10	20	50	100	150	Avg	%RSD

1) I	Pentafluorobenzene	-----ISTD-----							
2) T	Dichlorodifluo...	0.585	0.548	0.492	0.448	0.459	0.486	0.503	10.56
3) P	Chloromethane	0.894	0.847	0.750	0.653	0.650	0.651	0.741	14.64
4) C	Vinyl Chloride	1.271	1.229	1.148	0.973	1.040	1.075	1.123	10.20#
5) T	Bromomethane	1.287	1.179	1.068	0.869	1.009	1.097	1.085	13.20
6) T	Chloroethane	1.098	1.026	0.992	0.740	0.892	0.812	0.927	14.66
7) T	Trichlorofluor...	1.218	1.203	1.161	0.772	1.035	0.852	1.040	18.26
8) T	Diethyl Ether	0.221	0.313	0.286	0.216	0.315	0.255	0.268	16.45
9) T	1,1,2-Trichlor...	0.580	0.711	0.551	0.489	0.613	0.531	0.579	13.33
10) T	Methyl Iodide	0.580	0.731	0.626	0.619	0.846	0.742	0.691	14.47
11) T	Tert butyl alc...	0.023	0.030	0.024	0.020	0.021	0.023	0.023	14.79
12) CM	1,1-Dichloroet...	0.553	0.679	0.534	0.476	0.634	0.548	0.571	12.85#
13) T	Acrolein	0.051	0.065	0.045	0.045	0.057		0.053	16.45
14) T	Allyl chloride	0.503	0.515	0.520	0.468	0.613	0.551	0.528	9.35
15) T	Acrylonitrile	0.093	0.093	0.096	0.089	0.092	0.098	0.094	3.45
16) T	Acetone	0.085	0.093	0.070	0.094	0.106	0.084	0.089	13.62
17) T	Carbon Disulfide	1.930	2.257	1.790	1.559	1.993	1.705	1.872	13.06
18) T	Methyl Acetate	0.131	0.191	0.167	0.155	0.208	0.174	0.171	15.82
19) T	Methyl tert-bu...	0.905	0.985	1.002	0.988	1.081	1.123	1.014	7.62
20) T	Methylene Chlo...	1.910	1.314	0.957	0.692	0.586	0.607	1.011	51.36
21) T	trans-1,2-Dich...	0.577	0.624	0.600	0.541	0.591	0.605	0.590	4.81
22) T	Diisopropyl ether	1.070	1.176	1.193	1.118	1.188	1.186	1.155	4.33
23) T	Vinyl Acetate	0.612	0.681	0.697	0.694	0.735	0.754	0.696	7.12
24) P	1,1-Dichloroet...	0.904	0.965	0.938	0.809	0.869	0.894	0.896	6.06
25) T	2-Butanone	0.109	0.106	0.099	0.115	0.108	0.114	0.109	5.42
26) T	2,2-Dichloropr...	0.896	0.855	0.793	0.727	0.778	0.814	0.810	7.32
27) T	cis-1,2-Dichlo...	0.685	0.709	0.692	0.617	0.683	0.713	0.683	5.07
28) T	Bromochloromet...	0.283	0.344	0.334	0.303	0.295	0.318	0.313	7.51
29) T	Tetrahydrofuran	0.051	0.060	0.062	0.060	0.064	0.065	0.060	8.70
30) C	Chloroform	1.068	1.107	1.050	0.919	0.996	1.009	1.025	6.38#
31) T	Cyclohexane	0.833	0.793	0.734	0.659	0.686	0.716	0.737	8.88
32) T	1,1,1-Trichlor...	0.984	0.932	0.902	0.806	0.877	0.907	0.901	6.55
33) S	1,2-Dichloroet...	0.571	0.482	0.418	0.401	0.406	0.428	0.451	14.56
34) I	1,4-Difluorobenzene	-----ISTD-----							
35) S	Dibromofluorom...	0.405	0.313	0.290	0.297	0.304	0.339	0.325	13.15
36) T	1,1-Dichloropr...	0.430	0.419	0.419	0.424	0.450	0.475	0.436	5.09
37) T	Ethyl Acetate	0.131	0.150	0.137	0.137	0.149	0.160	0.144	7.61
38) T	Carbon Tetrach...	0.520	0.510	0.502	0.480	0.499	0.561	0.512	5.39
39) T	Methylcyclohexane	0.537	0.500	0.524	0.540	0.588	0.664	0.559	10.58
40) TM	Benzene	1.403	1.396	1.361	1.330	1.422	1.525	1.406	4.75
41) T	Methacrylonitrile	0.076	0.068	0.083	0.076	0.080	0.096	0.080	11.92
42) TM	1,2-Dichloroet...	0.328	0.330	0.322	0.313	0.331	0.342	0.328	3.01
43) T	Isopropyl Acetate	0.251	0.258	0.256	0.258	0.281	0.300	0.267	7.07
44) TM	Trichloroethene	0.378	0.381	0.354	0.349	0.375	0.411	0.375	5.93
45) C	1,2-Dichloropr...	0.313	0.336	0.298	0.289	0.305	0.315	0.310	5.24#
46) T	Dibromomethane	0.186	0.202	0.190	0.193	0.201	0.208	0.197	4.23
47) T	Bromodichlorom...	0.522	0.474	0.465	0.453	0.492	0.513	0.486	5.60
48) T	Methyl methacr...	0.115	0.115	0.119	0.123	0.130	0.143	0.124	8.79
49) T	1,4-Dioxane	0.002	0.002	0.002	0.002	0.002	0.002	0.002	12.68
50) S	Toluene-d8	1.373	1.136	1.110	1.162	1.188	1.356	1.221	9.36
51) T	4-Methyl-2-Pen...	0.123	0.129	0.131	0.139	0.144	0.157	0.137	8.87
52) CM	Toluene	0.846	0.846	0.892	0.877	0.964	1.049	0.912	8.73#
53) T	t-1,3-Dichloro...	0.369	0.392	0.395	0.405	0.441	0.471	0.412	9.05
54) T	cis-1,3-Dichlo...	0.472	0.477	0.462	0.478	0.526	0.554	0.495	7.35
55) T	1,1,2-Trichlor...	0.264	0.265	0.263	0.247	0.259	0.275	0.262	3.48

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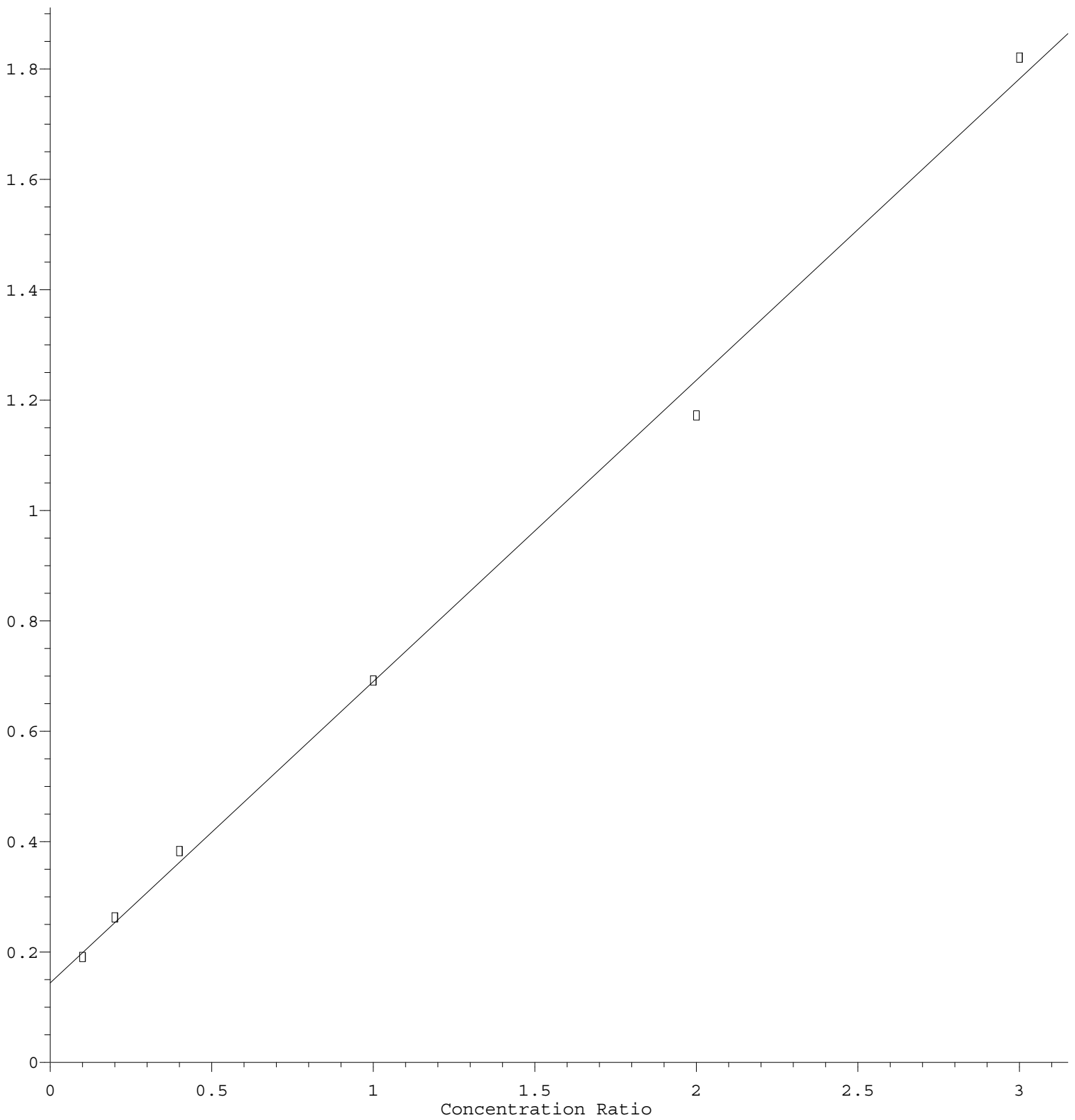
Method File : 82D051024S.M

56)	T	Ethyl methacry...	0.218	0.241	0.254	0.276	0.308	0.332	0.271	15.81
57)	T	1,3-Dichloropr...	0.396	0.409	0.393	0.393	0.414	0.441	0.408	4.56
58)	T	2-Chloroethyl ...	0.082	0.087	0.104	0.124	0.119	0.130	0.108	18.19
59)	T	2-Hexanone	0.088	0.089	0.092	0.114	0.110	0.114	0.101	12.67
60)	T	Dibromochlorom...	0.338	0.350	0.342	0.339	0.362	0.393	0.354	5.94
61)	T	1,2-Dibromoethane	0.240	0.237	0.239	0.232	0.257	0.267	0.245	5.53
62)	S	4-Bromofluorob...	0.369	0.316	0.312	0.329	0.351	0.392	0.345	9.20
-----ISTD-----										
63)	I	Chlorobenzene-d5								
64)	T	Tetrachloroethene	0.365	0.348	0.327	0.315	0.347	0.376	0.347	6.52
65)	PM	Chlorobenzene	1.128	1.123	1.084	1.020	1.152	1.208	1.119	5.67
66)	T	1,1,1,2-Tetrac...	0.380	0.380	0.377	0.349	0.404	0.430	0.387	7.10
67)	C	Ethyl Benzene	1.611	1.625	1.678	1.675	2.009	2.120	1.786	12.32#
68)	T	m/p-Xylenes	0.632	0.666	0.711	0.688	0.825	0.885	0.735	13.45
69)	T	o-Xylene	0.563	0.587	0.624	0.628	0.772	0.811	0.664	15.36
70)	T	Styrene	0.964	1.045	1.134	1.142	1.345	1.436	1.178	15.26
71)	P	Bromoform	0.186	0.209	0.207	0.195	0.223	0.230	0.208	7.90
-----ISTD-----										
72)	I	1,4-Dichlorobenzen...								
73)	T	Isopropylbenzene	3.032	3.025	3.075	3.061	3.398	3.718	3.218	8.78
74)	T	N-amyl acetate	0.454	0.521	0.483	0.488	0.518	0.564	0.505	7.57
75)	P	1,1,2,2-Tetrac...	0.555	0.590	0.567	0.536	0.541	0.567	0.559	3.53
76)	T	1,2,3-Trichlor...	0.387	0.401	0.365	0.343	0.349	0.363	0.368	6.01
77)	T	Bromobenzene	0.799	0.790	0.806	0.766	0.838	0.925	0.821	6.83
78)	T	n-propylbenzene	3.702	3.655	3.792	3.720	4.033	4.349	3.875	6.92
79)	T	2-Chlorotoluene	2.072	2.049	2.097	1.990	2.172	2.340	2.120	5.81
80)	T	1,3,5-Trimethy...	2.473	2.491	2.631	2.572	2.833	3.075	2.679	8.70
81)	T	trans-1,4-Dich...	0.183	0.195	0.180	0.185	0.191	0.204	0.190	4.63
82)	T	4-Chlorotoluene	2.457	2.267	2.257	2.129	2.291	2.462	2.311	5.57
83)	T	tert-Butylbenzene	2.211	2.105	2.297	2.298	2.567	2.825	2.384	11.11
84)	T	1,2,4-Trimethy...	2.365	2.400	2.636	2.641	2.938	3.234	2.703	12.29
85)	T	sec-Butylbenzene	3.350	3.269	3.368	3.400	3.725	4.026	3.523	8.30
86)	T	p-Isopropyltol...	2.641	2.728	2.892	2.963	3.350	3.774	3.058	14.01
87)	T	1,3-Dichlorobe...	1.675	1.668	1.644	1.619	1.793	1.966	1.727	7.61
88)	T	1,4-Dichlorobe...	1.786	1.790	1.666	1.567	1.694	1.806	1.718	5.44
89)	T	n-Butylbenzene	2.506	2.473	2.643	2.653	2.840	3.088	2.701	8.52
90)	T	Hexachloroethane	0.650	0.666	0.592	0.553	0.608	0.652	0.620	6.97
91)	T	1,2-Dichlorobe...	1.529	1.432	1.425	1.383	1.488	1.596	1.476	5.31
92)	T	1,2-Dibromo-3-...	0.075	0.082	0.079	0.070	0.077	0.078	0.077	5.29
93)	T	1,2,4-Trichlor...	0.793	0.825	0.819	0.827	0.898	0.997	0.860	8.83
94)	T	Hexachlorobuta...	0.517	0.450	0.426	0.421	0.470	0.499	0.464	8.36
95)	T	Naphthalene	1.308	1.280	1.387	1.489	1.707	1.887	1.510	15.95
96)	T	1,2,3-Trichlor...	0.705	0.701	0.719	0.703	0.800	0.873	0.750	9.46

(#) = Out of Range

Methylene Chloride

Response Ratio



$$\text{Response} = 5.461\text{e-}001 * \text{Amt} + 1.438\text{e-}001$$

Coef of Det (r^2) = 0.996954 Curve Fit: Linear

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Calibration Table Last Updated: Sat May 11 05:14:02 2024