

Method Path : Z:\voasrv\HPCHEM1\MSVOA_D\Method\
 Method File : 82D031424S.M
 Title : SW846 8260
 Last Update : Fri Mar 15 05:38:03 2024
 Response Via : Initial Calibration

Calibration Files

5 =VD078657.D 10 =VD078658.D 20 =VD078659.D 50 =VD078660.D 100 =VD078661.D 150 =VD078662.D

	Compound	5	10	20	50	100	150	Avg	%RSD
1) I	Pentafluorobenzene	-----ISTD-----							
2) T	Dichlorodifluo...	0.506	0.507	0.482	0.440	0.447	0.410	0.465	8.49
3) P	Chloromethane	0.852	0.781	0.782	0.698	0.671	0.625	0.735	11.51
4) C	Vinyl Chloride	1.125	1.161	1.167	1.042	1.038	0.971	1.084	7.30#
5) T	Bromomethane	1.083	1.126	1.125	0.916	0.973	1.004	1.038	8.37
6) T	Chloroethane	0.861	0.877	0.926	0.795	0.822	0.791	0.845	6.23
7) T	Trichlorofluor...	0.901	0.919	0.943	0.810	0.815	0.757	0.858	8.59
8) T	Diethyl Ether	0.279	0.255	0.246	0.233	0.245	0.244	0.250	6.21
9) T	1,1,2-Trichlor...	0.617	0.587	0.550	0.500	0.505	0.470	0.538	10.49
10) T	Methyl Iodide	0.562	0.617	0.642	0.627	0.679	0.694	0.637	7.43
11) T	Tert butyl alc...	0.018	0.019	0.024	0.021	0.022	0.021	0.021	10.26
12) CM	1,1-Dichloroet...	0.495	0.535	0.555	0.497	0.503	0.484	0.512	5.34#
13) T	Acrolein	0.036	0.037	0.039	0.027	0.025		0.033	19.17
14) T	Allyl chloride	0.569	0.609	0.592	0.538	0.573	0.543	0.571	4.82
15) T	Acrylonitrile	0.103	0.102	0.102	0.101	0.099	0.098	0.101	1.99
16) T	Acetone	0.099	0.089	0.093	0.091	0.086	0.085	0.091	5.68
17) T	Carbon Disulfide	1.722	1.814	1.811	1.599	1.585	1.531	1.677	7.28
18) T	Methyl Acetate	0.201	0.172	0.189	0.203	0.203	0.199	0.194	6.32
19) T	Methyl tert-bu...	0.950	1.008	1.044	1.018	1.081	1.089	1.032	5.02
20) T	Methylene Chlo...	0.993	0.915	0.744	0.606	0.589		0.769	23.51
21) T	trans-1,2-Dich...	0.595	0.611	0.631	0.584	0.611	0.590	0.604	2.86
22) T	Diisopropyl ether	1.212	1.368	1.407	1.274	1.289	1.238	1.298	5.82
23) T	Vinyl Acetate	0.679	0.739	0.804	0.765	0.787	0.780	0.759	5.92
24) P	1,1-Dichloroet...	1.020	1.054	1.020	0.916	0.930	0.898	0.973	6.78
25) T	2-Butanone	0.126	0.121	0.127	0.116	0.117	0.116	0.120	4.24
26) T	2,2-Dichloropr...	0.843	0.847	0.874	0.784	0.804	0.787	0.823	4.51
27) T	cis-1,2-Dichlo...	0.683	0.701	0.720	0.652	0.676	0.699	0.689	3.39
28) T	Bromochloromet...	0.356	0.357	0.358	0.386	0.317	0.307	0.347	8.46
29) T	Tetrahydrofuran	0.059	0.062	0.069	0.067	0.070	0.066	0.066	6.64
30) C	Chloroform	1.171	1.213	1.096	1.008	1.022	1.000	1.085	8.34#
31) T	Cyclohexane	0.922	0.859	0.802	0.725	0.721	0.696	0.788	11.34
32) T	1,1,1-Trichlor...	0.994	0.951	0.956	0.856	0.900	0.865	0.920	6.02
33) S	1,2-Dichloroet...	0.543	0.437	0.506	0.439	0.456	0.430	0.469	9.74
34) I	1,4-Difluorobenzene	-----ISTD-----							
35) S	Dibromofluorom...	0.345	0.295	0.334	0.307	0.336	0.316	0.322	6.00
36) T	1,1-Dichloropr...	0.439	0.467	0.498	0.452	0.485	0.462	0.467	4.58
37) T	Ethyl Acetate	0.168	0.154	0.153	0.145	0.153	0.142	0.153	5.97
38) T	Carbon Tetrach...	0.452	0.528	0.517	0.464	0.514	0.480	0.492	6.39
39) T	Methylcyclohexane	0.465	0.531	0.556	0.540	0.595	0.563	0.542	8.03
40) TM	Benzene	1.312	1.462	1.480	1.349	1.468	1.400	1.412	4.94
41) T	Methacrylonitrile	0.082	0.089	0.075	0.075	0.082	0.077	0.080	7.07
42) TM	1,2-Dichloroet...	0.338	0.348	0.367	0.336	0.347	0.329	0.344	3.88
43) T	Isopropyl Acetate	0.247	0.281	0.289	0.278	0.291	0.278	0.278	5.71
44) TM	Trichloroethene	0.364	0.395	0.408	0.360	0.392	0.380	0.383	4.84
45) C	1,2-Dichloropr...	0.315	0.363	0.347	0.320	0.337	0.328	0.335	5.34#
46) T	Dibromomethane	0.201	0.205	0.203	0.191	0.206	0.198	0.201	2.75
47) T	Bromodichlorom...	0.471	0.493	0.483	0.447	0.496	0.477	0.478	3.71
48) T	Methyl methacr...	0.122	0.141	0.142	0.132	0.139	0.136	0.135	5.69
49) T	1,4-Dioxane	0.002	0.002	0.002	0.002	0.002	0.002	0.002	8.74
50) S	Toluene-d8	1.128	1.055	1.232	1.160	1.300	1.229	1.184	7.38
51) T	4-Methyl-2-Pen...	0.131	0.137	0.150	0.147	0.157	0.149	0.145	6.70
52) CM	Toluene	0.779	0.898	0.947	0.901	0.977	0.952	0.909	7.78#
53) T	t-1,3-Dichloro...	0.384	0.438	0.457	0.419	0.470	0.454	0.437	7.15
54) T	cis-1,3-Dichlo...	0.489	0.505	0.544	0.508	0.569	0.538	0.525	5.65
55) T	1,1,2-Trichlor...	0.255	0.277	0.277	0.256	0.278	0.270	0.269	4.09
56) T	Ethyl methacry...	0.222	0.241	0.270	0.277	0.307	0.299	0.270	12.23

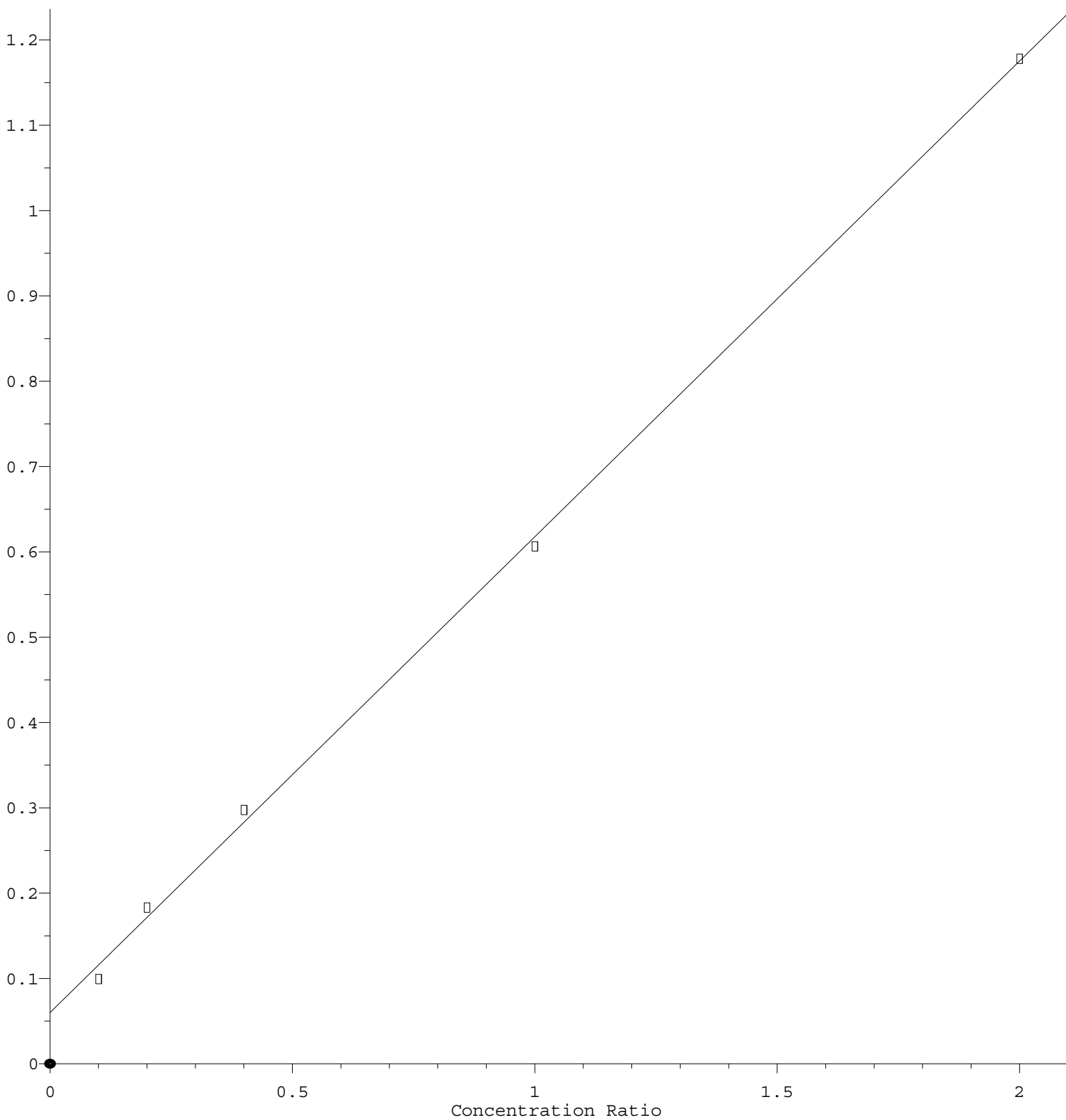
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57)	T	1,3-Dichloropr...	0.404	0.436	0.457	0.418	0.453	0.434	0.434	4.66
58)	T	2-Chloroethyl ...	0.106	0.112	0.109	0.124	0.136	0.125	0.119	9.73
59)	T	2-Hexanone	0.100	0.102	0.111	0.110	0.114	0.109	0.108	5.18
60)	T	Dibromochlorom...	0.284	0.340	0.344	0.321	0.355	0.346	0.332	7.80
61)	T	1,2-Dibromoethane	0.233	0.267	0.274	0.254	0.270	0.263	0.260	5.74
62)	S	4-Bromofluorob...	0.297	0.303	0.372	0.339	0.396	0.372	0.346	11.71
63)	I	Chlorobenzene-d5	-----ISTD-----							
64)	T	Tetrachloroethene	0.317	0.339	0.326	0.323	0.342	0.338	0.331	3.05
65)	PM	Chlorobenzene	0.976	1.108	1.066	1.009	1.067	1.043	1.045	4.48
66)	T	1,1,1,2-Tetrac...	0.361	0.376	0.378	0.367	0.407	0.407	0.383	5.17
67)	C	Ethyl Benzene	1.571	1.668	1.805	1.762	1.949	1.926	1.780	8.22#
68)	T	m/p-Xylenes	0.610	0.685	0.739	0.710	0.797	0.796	0.723	9.85
69)	T	o-Xylene	0.573	0.613	0.676	0.662	0.749	0.741	0.669	10.39
70)	T	Styrene	0.888	1.016	1.155	1.131	1.277	1.269	1.123	13.38
71)	P	Bromoform	0.190	0.207	0.209	0.202	0.219	0.214	0.207	4.98
72)	I	1,4-Dichlorobenzen...	-----ISTD-----							
73)	T	Isopropylbenzene	2.965	3.258	3.369	3.252	3.462	3.447	3.292	5.57
74)	T	N-amyl acetate	0.517	0.519	0.544	0.540	0.547	0.538	0.534	2.44
75)	P	1,1,2,2-Tetrac...	0.635	0.655	0.621	0.601	0.576	0.568	0.609	5.59
76)	T	1,2,3-Trichlor...	0.379	0.428	0.384	0.369	0.373	0.378	0.385	5.59
77)	T	Bromobenzene	0.787	0.813	0.824	0.800	0.836	0.838	0.816	2.51
78)	T	n-propylbenzene	3.598	3.988	4.175	4.022	4.170	4.091	4.007	5.35
79)	T	2-Chlorotoluene	2.191	2.243	2.235	2.113	2.219	2.187	2.198	2.16
80)	T	1,3,5-Trimethy...	2.508	2.638	2.755	2.700	2.881	2.852	2.722	5.11
81)	T	trans-1,4-Dich...	0.183	0.187	0.179	0.184	0.181	0.188	0.184	1.81
82)	T	4-Chlorotoluene	2.230	2.397	2.428	2.255	2.334	2.307	2.325	3.34
83)	T	tert-Butylbenzene	2.025	2.263	2.367	2.358	2.538	2.533	2.347	8.13
84)	T	1,2,4-Trimethy...	2.277	2.691	2.772	2.781	2.960	2.980	2.743	9.30
85)	T	sec-Butylbenzene	3.131	3.477	3.645	3.581	3.742	3.738	3.552	6.45
86)	T	p-Isopropyltol...	2.470	2.882	3.088	3.073	3.339	3.394	3.041	11.08
87)	T	1,3-Dichlorobe...	1.631	1.685	1.736	1.674	1.794	1.818	1.723	4.22
88)	T	1,4-Dichlorobe...	1.685	1.723	1.740	1.633	1.706	1.701	1.698	2.17
89)	T	n-Butylbenzene	2.409	2.700	2.802	2.748	2.926	2.894	2.746	6.77
90)	T	Hexachloroethane	0.664	0.658	0.646	0.603	0.602	0.602	0.629	4.78
91)	T	1,2-Dichlorobe...	1.492	1.527	1.489	1.417	1.489	1.490	1.484	2.42
92)	T	1,2-Dibromo-3-...	0.101	0.082	0.077	0.077	0.079	0.073	0.082	11.95
93)	T	1,2,4-Trichlor...	0.890	0.803	0.844	0.817	0.908	0.935	0.866	6.12
94)	T	Hexachlorobuta...	0.464	0.476	0.478	0.436	0.475	0.484	0.469	3.73
95)	T	Naphthalene	1.389	1.347	1.403	1.520	1.666	1.709	1.506	10.15
96)	T	1,2,3-Trichlor...	0.693	0.720	0.737	0.750	0.790	0.805	0.749	5.63

(#) = Out of Range

Methylene Chloride

Response Ratio



$$\text{Response} = 5.576\text{e-}001 * \text{Amt} + 6.019\text{e-}002$$

Coef of Det (r^2) = 0.999033 Curve Fit: Linear

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Calibration Table Last Updated: Fri Mar 15 05:38:03 2024