

Method Path : Z:\voasrv\HPCHEM1\MSVOA_D\Method\
 Method File : 82D100623S.M
 Title : SW846 8260
 Last Update : Mon Oct 09 09:52:06 2023
 Response Via : Initial Calibration

Calibration Files

5 =VD077284.D 20 =VD077290.D 50 =VD077287.D 100 =VD077291.D 150 =VD077289.D

Compound		5	20	50	100	150	Avg	%RSD

1) I	Pentafluorobenzene	-----ISTD-----						
2) T	Dichlorodifluoro...	0.813	0.705	0.613	0.593	0.628	0.670	13.45
3) P	Chloromethane	1.284	1.113	1.001	0.947	0.974	1.064	13.00
4) C	Vinyl Chloride	1.567	1.344	1.272	1.079	1.168	1.286	14.50#
5) T	Bromomethane	1.153	0.810	0.868	0.836	0.945	0.922	15.02
6) T	Chloroethane	0.965	0.840	0.830	0.783	0.720	0.828	10.93
7) T	Trichlorofluorom...	1.527	1.360	1.285	1.235	1.307	1.343	8.37
8) T	Diethyl Ether	0.406	0.380	0.395	0.402	0.431	0.403	4.64
9) T	1,1,2-Trichlorot...	0.932	0.828	0.794	0.766	0.805	0.825	7.74
10) T	Methyl Iodide	0.950	0.968	1.085	1.064	1.109	1.035	6.91
11) T	Tert butyl alcohol	0.051	0.047	0.042	0.043	0.047	0.046	7.46
12) CM	1,1-Dichloroethene	0.842	0.795	0.782	0.778	0.827	0.805	3.50#
13) T	Acrolein	0.025	0.027	0.071	0.081	0.087	0.058	50.93
14) T	Allyl chloride	1.070	1.022	1.051	1.068	1.137	1.070	3.96
15) T	Acrylonitrile	0.178	0.179	0.186	0.188	0.202	0.187	5.21
16) T	Acetone	0.206	0.164	0.167	0.154	0.168	0.172	11.55
17) T	Carbon Disulfide	3.009	2.687	2.588	2.494	2.632	2.682	7.32
18) T	Methyl Acetate	0.713	0.639	0.656	0.668	0.724	0.680	5.40
19) T	Methyl tert-buty...	1.549	1.661	1.747	1.811	1.915	1.737	8.07
20) T	Methylene Chloride	2.537	1.252	1.114	0.985	0.974	1.372	48.15
21) T	trans-1,2-Dichlo...	1.029	0.940	0.949	0.914	0.971	0.961	4.53
22) T	Diisopropyl ether	2.073	2.277	2.353	2.412	2.491	2.321	6.85
23) T	Vinyl Acetate	0.839	0.918	0.956	1.027	1.104	0.969	10.49
24) P	1,1-Dichloroethane	1.759	1.564	1.569	1.552	1.614	1.612	5.31
25) T	2-Butanone	0.239	0.221	0.229	0.226	0.247	0.233	4.60
26) T	2,2-Dichloropropane	1.512	1.307	1.323	1.275	1.387	1.361	6.91
27) T	cis-1,2-Dichloro...	1.043	1.044	1.048	1.046	1.107	1.058	2.63
28) T	Bromochloromethane	0.613	0.607	0.635	0.646	0.645	0.629	2.84
29) T	Tetrahydrofuran	0.117	0.128	0.134	0.140	0.148	0.133	8.79
30) C	Chloroform	1.843	1.642	1.641	1.585	1.641	1.670	5.96#
31) T	Cyclohexane	1.365	1.315	1.258	1.264	1.336	1.308	3.54
32) T	1,1,1-Trichloroe...	1.588	1.340	1.384	1.320	1.392	1.405	7.59
33) S	1,2-Dichloroetha...	0.562	0.599	0.665	0.678	0.652	0.631	7.75
34) I	1,4-Difluorobenzene	-----ISTD-----						
35) S	Dibromofluoromet...	0.401	0.393	0.449	0.452	0.462	0.431	7.42
36) T	1,1-Dichloropropene	0.697	0.728	0.737	0.706	0.768	0.727	3.82
37) T	Ethyl Acetate	0.293	0.277	0.286	0.291	0.313	0.292	4.49
38) T	Carbon Tetrachlo...	0.705	0.656	0.677	0.646	0.705	0.677	4.02
39) T	Methylcyclohexane	0.749	0.836	0.840	0.863	0.935	0.845	7.86
40) TM	Benzene	2.201	2.128	2.262	2.144	2.289	2.205	3.20
41) T	Methacrylonitrile	0.156	0.146	0.177	0.160	0.179	0.164	8.47
42) TM	1,2-Dichloroethane	0.573	0.498	0.525	0.499	0.526	0.524	5.80
43) T	Isopropyl Acetate	0.527	0.502	0.534	0.534	0.584	0.536	5.52
44) TM	Trichloroethene	0.590	0.562	0.559	0.518	0.569	0.560	4.68
45) C	1,2-Dichloropropane	0.582	0.529	0.546	0.536	0.563	0.551	3.89#
46) T	Dibromomethane	0.319	0.274	0.302	0.287	0.307	0.298	5.85
47) T	Bromodichloromet...	0.776	0.680	0.724	0.681	0.730	0.718	5.55
48) T	Methyl methacrylate	0.220	0.224	0.257	0.249	0.276	0.245	9.56
49) T	1,4-Dioxane	0.003	0.003	0.003	0.003	0.003	0.003	6.29
50) S	Toluene-d8	1.211	1.376	1.705	1.718	1.761	1.554	15.82
51) T	4-Methyl-2-Penta...	0.254	0.267	0.286	0.283	0.306	0.279	7.11
52) CM	Toluene	1.316	1.334	1.398	1.347	1.451	1.369	4.02#
53) T	t-1,3-Dichloropr...	0.627	0.642	0.686	0.689	0.755	0.680	7.37
54) T	cis-1,3-Dichloro...	0.798	0.793	0.843	0.830	0.901	0.833	5.23
55) T	1,1,2-Trichloroe...	0.450	0.374	0.406	0.395	0.416	0.408	6.88
56) T	Ethyl methacrylate	0.363	0.422	0.479	0.494	0.535	0.458	14.64

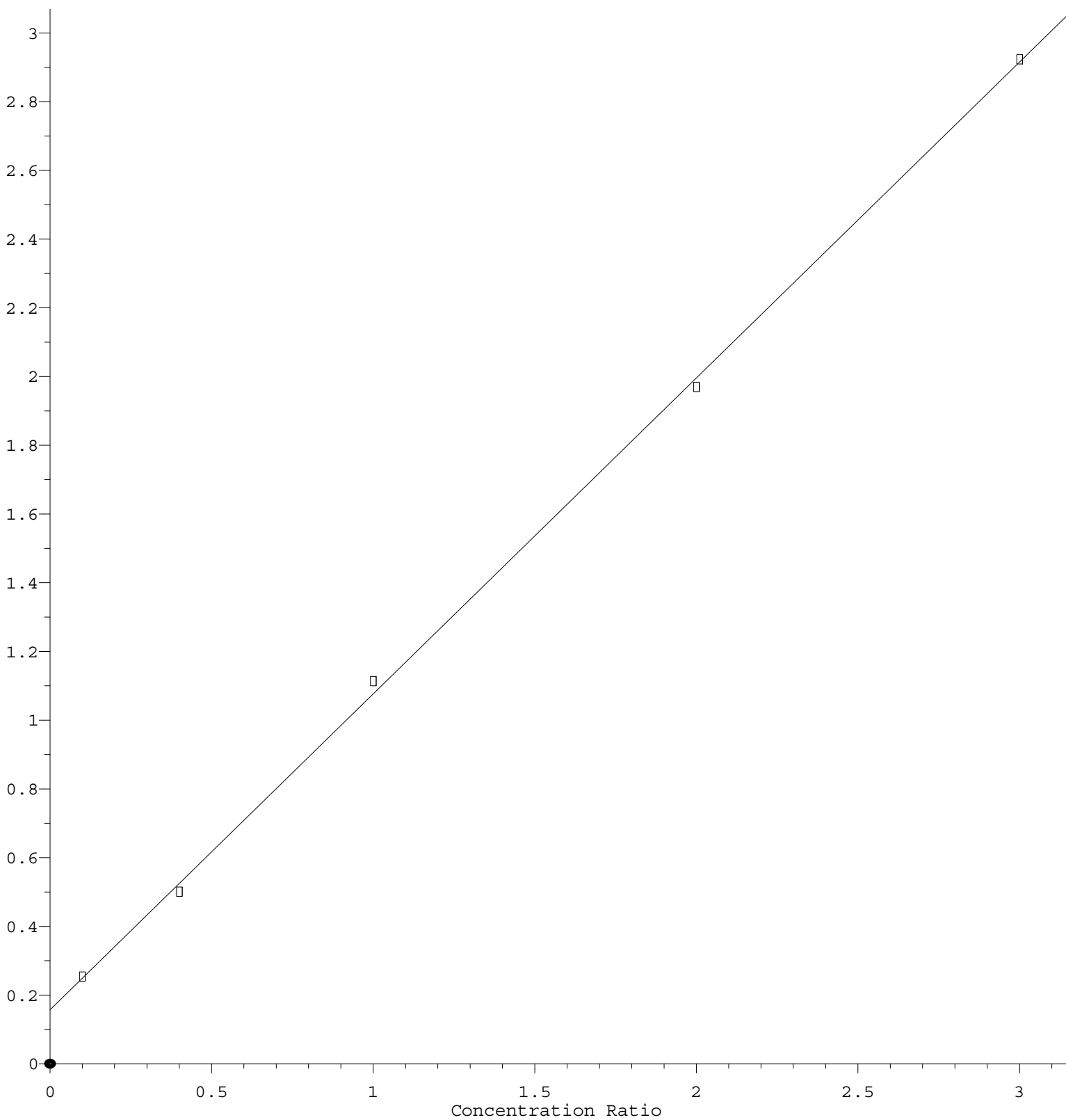
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57)	T	1,3-Dichloropropane	0.654	0.655	0.684	0.676	0.722	0.678	4.07
58)	T	2-Chloroethyl Vi...	0.194	0.205	0.222	0.225	0.253	0.220	10.09
59)	T	2-Hexanone	0.178	0.191	0.205	0.203	0.222	0.200	8.24
60)	T	Dibromochloromet...	0.501	0.458	0.472	0.453	0.485	0.474	4.20
61)	T	1,2-Dibromoethane	0.385	0.360	0.390	0.368	0.393	0.379	3.87
62)	S	4-Bromofluoroben...	0.430	0.482	0.511	0.527	0.521	0.494	8.09
-----ISTD-----									
63)	I	Chlorobenzene-d5							
64)	T	Tetrachloroethene	0.512	0.457	0.485	0.450	0.482	0.477	5.19
65)	PM	Chlorobenzene	1.545	1.485	1.502	1.427	1.526	1.497	3.03
66)	T	1,1,1,2-Tetrachl...	0.549	0.504	0.545	0.510	0.546	0.531	4.16
67)	C	Ethyl Benzene	2.382	2.613	2.790	2.717	2.986	2.698	8.26#
68)	T	m/p-Xylenes	0.912	1.030	1.097	1.048	1.148	1.047	8.42
69)	T	o-Xylene	0.821	0.932	1.023	0.990	1.053	0.964	9.52
70)	T	Styrene	1.381	1.650	1.778	1.688	1.793	1.658	10.02
71)	P	Bromoform	0.287	0.264	0.299	0.273	0.280	0.281	4.73
-----ISTD-----									
72)	I	1,4-Dichlorobenzen...							
73)	T	Isopropylbenzene	4.332	4.565	4.947	4.939	5.413	4.839	8.54
74)	T	N-ethyl acetate	0.874	0.911	1.012	1.059	1.114	0.994	10.07
75)	P	1,1,2,2-Tetrachl...	1.062	0.897	0.936	0.928	0.996	0.964	6.82
76)	T	1,2,3-Trichlorop...	0.700	0.576	0.631	0.620	0.669	0.639	7.45
77)	T	Bromobenzene	1.131	1.028	1.127	1.071	1.153	1.102	4.67
78)	T	n-propylbenzene	5.296	5.915	6.294	6.102	6.607	6.043	8.11
79)	T	2-Chlorotoluene	3.064	3.132	3.302	3.269	3.508	3.255	5.28
80)	T	1,3,5-Trimethylb...	3.496	3.902	4.168	4.001	4.359	3.985	8.12
81)	T	trans-1,4-Dichlo...	0.299	0.292	0.310	0.303	0.336	0.308	5.53
82)	T	4-Chlorotoluene	3.267	3.406	3.526	3.386	3.638	3.445	4.12
83)	T	tert-Butylbenzene	3.023	3.209	3.507	3.462	3.735	3.387	8.16
84)	T	1,2,4-Trimethylb...	3.353	3.904	4.226	4.084	4.450	4.003	10.36
85)	T	sec-Butylbenzene	4.676	5.084	5.392	5.252	5.735	5.228	7.47
86)	T	p-Isopropyltoluene	3.645	4.160	4.519	4.375	4.904	4.321	10.76
87)	T	1,3-Dichlorobenzene	2.302	2.258	2.336	2.223	2.421	2.308	3.32
88)	T	1,4-Dichlorobenzene	2.388	2.253	2.291	2.145	2.299	2.275	3.86
89)	T	n-Butylbenzene	3.617	4.093	4.372	4.281	4.619	4.196	8.94
90)	T	Hexachloroethane	0.925	0.798	0.852	0.819	0.890	0.857	6.03
91)	T	1,2-Dichlorobenzene	1.997	1.933	2.016	1.912	2.035	1.979	2.70
92)	T	1,2-Dibromo-3-Ch...	0.132	0.122	0.122	0.123	0.136	0.127	5.08
93)	T	1,2,4-Trichlorob...	1.139	1.159	1.203	1.218	1.319	1.208	5.79
94)	T	Hexachlorobutadiene	0.638	0.586	0.618	0.602	0.660	0.621	4.68
95)	T	Naphthalene	2.041	2.121	2.383	2.494	2.775	2.363	12.51
96)	T	1,2,3-Trichlorob...	0.971	1.009	1.074	1.066	1.163	1.057	6.90

(#) = Out of Range

Methylene Chloride

Response Ratio



$$\text{Response} = 9.193\text{e-}001 * \text{Amt} + 1.570\text{e-}001$$

Coef of Det (r^2) = 0.999440 Curve Fit: Linear

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Calibration Table Last Updated: Mon Oct 09 09:52:06 2023