

Method Path : Z:\voasrv\HPCHEM1\MSVOA_D\Method\
 Method File : 82D062625S.M
 Title : SW846 8260
 Last Update : Fri Jun 27 05:16:36 2025
 Response Via : Initial Calibration

Calibration Files

5 =VD080472.D 10 =VD080473.D 20 =VD080474.D 50 =VD080475.D 100 =VD080476.D 150 =VD080477.D

	Compound	5	10	20	50	100	150	Avg	%RSD
1) I	Pentafluorobenzene	-----ISTD-----							
2) T	Dichlorodifluo...	0.464	0.458	0.443	0.431	0.438	0.433	0.445	3.03
3) P	Chloromethane	0.614	0.627	0.619	0.631	0.616	0.617	0.621	1.10
4) C	Vinyl Chloride	0.606	0.609	0.617	0.642	0.653	0.650	0.630	3.39#
5) T	Bromomethane	0.381	0.339	0.331	0.330	0.351	0.356	0.348	5.52
6) T	Chloroethane	0.374	0.412	0.383	0.406	0.402	0.396	0.395	3.61
7) T	Trichlorofluor...	0.787	0.787	0.779	0.790	0.809	0.801	0.792	1.38
8) T	Diethyl Ether	0.288	0.308	0.293	0.325	0.321	0.315	0.308	4.91
9) T	1,1,2-Trichlor...	0.527	0.525	0.512	0.520	0.532	0.529	0.524	1.41
10) T	Methyl Iodide	0.507	0.535	0.577	0.675	0.708	0.700	0.617	14.32
11) T	Tert butyl alc...	0.036	0.040	0.039	0.043	0.041	0.040	0.040	5.52
12) CM	1,1-Dichloroet...	0.568	0.563	0.549	0.564	0.579	0.572	0.566	1.81#
13) T	Acrolein	0.059	0.056	0.049	0.055	0.054	0.054	0.054	6.20
14) T	Allyl chloride	0.968	0.981	0.961	1.016	1.020	0.998	0.991	2.49
15) T	Acrylonitrile	0.140	0.142	0.143	0.155	0.152	0.149	0.147	4.02
16) T	Acetone	0.139	0.148	0.136	0.116	0.113	0.108	0.127	12.85
17) T	Carbon Disulfide	1.685	1.688	1.700	1.862	1.911	1.877	1.787	5.98
18) T	Methyl Acetate	0.357	0.368	0.388	0.404	0.428	0.367	0.385	7.03
19) T	Methyl tert-bu...	1.315	1.388	1.381	1.464	1.456	1.434	1.406	4.00
20) T	Methylene Chlo...	1.075	0.887	0.744	0.700	0.683	0.668	0.793	20.13
21) T	trans-1,2-Dich...	0.630	0.623	0.610	0.634	0.648	0.641	0.631	2.14
22) T	Diisopropyl ether	1.873	1.903	1.892	1.962	1.948	1.902	1.913	1.79
23) T	Vinyl Acetate	1.025	1.086	1.052	1.152	1.115	1.112	1.090	4.23
24) P	1,1-Dichloroet...	1.096	1.128	1.102	1.134	1.142	1.133	1.123	1.67
25) T	2-Butanone	0.183	0.201	0.189	0.184	0.181	0.177	0.186	4.50
26) T	2,2-Dichloropr...	0.889	0.915	0.865	0.892	0.887	0.882	0.888	1.81
27) T	cis-1,2-Dichlo...	0.736	0.749	0.739	0.764	0.778	0.762	0.755	2.12
28) T	Bromochloromet...	0.447	0.428	0.452	0.457	0.441	0.429	0.443	2.69
29) T	Tetrahydrofuran	0.111	0.113	0.113	0.124	0.121	0.120	0.117	4.74
30) C	Chloroform	1.063	1.056	1.059	1.086	1.100	1.083	1.075	1.65#
31) T	Cyclohexane	1.229	1.086	1.049	1.052	1.064	1.046	1.088	6.51
32) T	1,1,1-Trichlor...	0.880	0.886	0.885	0.904	0.921	0.915	0.898	1.94
33) S	1,2-Dichloroet...	0.384	0.492	0.502	0.530	0.520	0.513	0.490	10.95
34) I	1,4-Difluorobenzene	-----ISTD-----							
35) S	Dibromofluorom...	0.216	0.280	0.293	0.304	0.293	0.294	0.280	11.60
36) T	1,1-Dichloropr...	0.440	0.439	0.421	0.444	0.440	0.441	0.437	1.89
37) T	Ethyl Acetate	0.209	0.207	0.210	0.223	0.210	0.216	0.213	2.80
38) T	Carbon Tetrach...	0.420	0.416	0.407	0.421	0.419	0.424	0.418	1.44
39) T	Methylcyclohexane	0.614	0.608	0.575	0.606	0.600	0.610	0.602	2.34
40) TM	Benzene	1.388	1.396	1.372	1.442	1.410	1.414	1.403	1.73
41) T	Methacrylonitrile	0.138	0.129	0.131	0.144	0.137	0.136	0.136	3.98
42) TM	1,2-Dichloroet...	0.318	0.334	0.320	0.348	0.331	0.330	0.330	3.31
43) T	Isopropyl Acetate	0.391	0.421	0.405	0.438	0.426	0.429	0.418	4.07
44) TM	Trichloroethene	0.340	0.344	0.323	0.346	0.343	0.345	0.340	2.52
45) C	1,2-Dichloropr...	0.330	0.338	0.332	0.354	0.344	0.344	0.340	2.55#
46) T	Dibromomethane	0.176	0.181	0.175	0.189	0.183	0.185	0.181	3.02
47) T	Bromodichlorom...	0.442	0.454	0.436	0.462	0.453	0.451	0.450	2.07
48) T	Methyl methacr...	0.193	0.218	0.204	0.223	0.216	0.215	0.212	5.25
49) T	1,4-Dioxane	0.002	0.002	0.002	0.002	0.002	0.002	0.002	4.68
50) S	Toluene-d8	0.896	1.155	1.168	1.220	1.174	1.174	1.131	10.35
51) T	4-Methyl-2-Pen...	0.203	0.215	0.205	0.226	0.215	0.211	0.212	3.88
52) CM	Toluene	0.882	0.879	0.852	0.893	0.879	0.879	0.877	1.57#
53) T	t-1,3-Dichloro...	0.430	0.445	0.445	0.468	0.460	0.457	0.451	3.00
54) T	cis-1,3-Dichlo...	0.522	0.538	0.528	0.563	0.551	0.547	0.541	2.81
55) T	1,1,2-Trichlor...	0.250	0.251	0.240	0.253	0.246	0.245	0.247	1.87
56) T	Ethyl methacry...	0.350	0.349	0.341	0.369	0.358	0.351	0.353	2.63

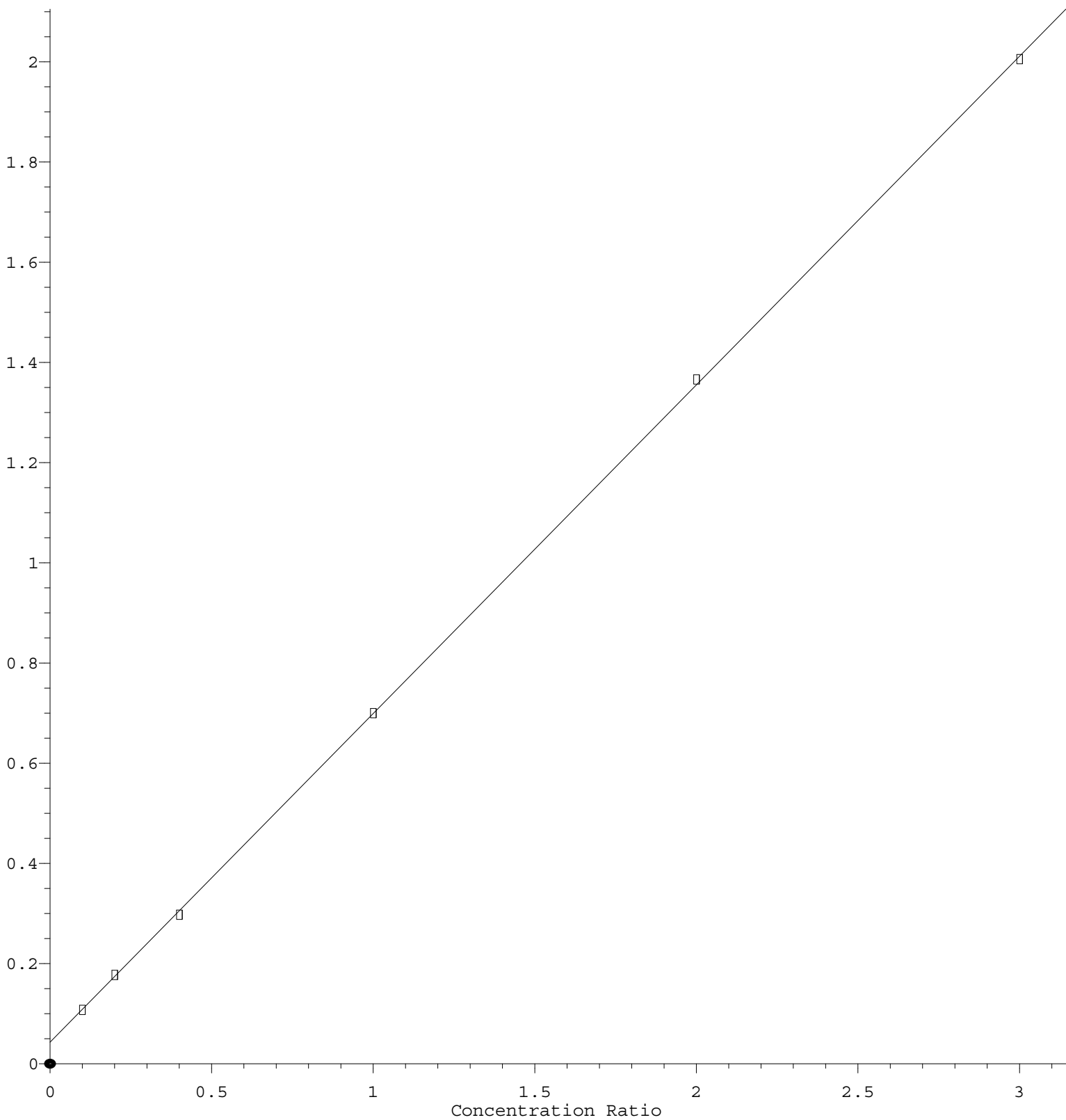
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57)	T	1,3-Dichloropr...	0.422	0.432	0.423	0.452	0.436	0.433	0.433	2.52
58)	T	2-Chloroethyl ...	0.131	0.137	0.133	0.140	0.134	0.133	0.135	2.41
59)	T	2-Hexanone	0.149	0.158	0.147	0.155	0.147	0.146	0.150	3.44
60)	T	Dibromochlorom...	0.306	0.304	0.294	0.318	0.306	0.304	0.305	2.47
61)	T	1,2-Dibromoethane	0.225	0.236	0.231	0.249	0.240	0.239	0.237	3.50
62)	S	4-Bromofluorob...	0.307	0.391	0.391	0.393	0.371	0.373	0.371	8.83
-----ISTD-----										
63)	I	Chlorobenzene-d5								
64)	T	Tetrachloroethene	0.312	0.304	0.300	0.311	0.318	0.318	0.310	2.30
65)	PM	Chlorobenzene	1.086	1.087	1.052	1.086	1.086	1.073	1.078	1.27
66)	T	1,1,1,2-Tetrac...	0.333	0.338	0.333	0.344	0.345	0.340	0.339	1.55
67)	C	Ethyl Benzene	1.886	1.914	1.843	1.891	1.909	1.874	1.886	1.36#
68)	T	m/p-Xylenes	0.708	0.726	0.704	0.723	0.727	0.721	0.718	1.33
69)	T	o-Xylene	0.707	0.697	0.676	0.689	0.702	0.687	0.693	1.63
70)	T	Styrene	1.152	1.191	1.165	1.180	1.182	1.164	1.172	1.23
71)	P	Bromoform	0.190	0.200	0.187	0.195	0.195	0.191	0.193	2.52
-----ISTD-----										
72)	I	1,4-Dichlorobenzen...								
73)	T	Isopropylbenzene	3.854	3.965	3.798	3.906	3.928	3.870	3.887	1.52
74)	T	N-amyl acetate	0.985	1.032	0.975	1.067	1.027	1.021	1.018	3.30
75)	P	1,1,2,2-Tetrac...	0.686	0.742	0.709	0.746	0.735	0.724	0.724	3.15
76)	T	1,2,3-Trichlor...	0.406	0.439	0.418	0.435	0.432	0.420	0.425	2.92
77)	T	Bromobenzene	0.827	0.872	0.848	0.894	0.890	0.884	0.869	3.07
78)	T	n-propylbenzene	4.673	4.698	4.597	4.753	4.722	4.630	4.679	1.24
79)	T	2-Chlorotoluene	2.679	2.713	2.631	2.735	2.730	2.658	2.691	1.56
80)	T	1,3,5-Trimethy...	3.155	3.149	3.085	3.178	3.194	3.150	3.152	1.18
81)	T	trans-1,4-Dich...	0.276	0.287	0.267	0.305	0.293	0.290	0.286	4.66
82)	T	4-Chlorotoluene	2.751	2.862	2.698	2.786	2.781	2.706	2.764	2.18
83)	T	tert-Butylbenzene	2.741	2.816	2.685	2.778	2.781	2.741	2.757	1.63
84)	T	1,2,4-Trimethy...	3.125	3.219	3.070	3.160	3.161	3.145	3.147	1.56
85)	T	sec-Butylbenzene	4.060	4.162	3.964	4.090	4.102	4.053	4.072	1.60
86)	T	p-Isopropyltol...	3.434	3.450	3.260	3.363	3.351	3.361	3.370	2.01
87)	T	1,3-Dichlorobe...	1.678	1.701	1.630	1.707	1.689	1.681	1.681	1.62
88)	T	1,4-Dichlorobe...	1.673	1.718	1.627	1.703	1.685	1.662	1.678	1.91
89)	T	n-Butylbenzene	3.279	3.276	3.128	3.237	3.244	3.240	3.234	1.70
90)	T	Hexachloroethane	0.662	0.646	0.625	0.651	0.656	0.665	0.651	2.22
91)	T	1,2-Dichlorobe...	1.474	1.481	1.447	1.516	1.490	1.472	1.480	1.53
92)	T	1,2-Dibromo-3-...	0.109	0.110	0.105	0.109	0.111	0.111	0.109	2.14
93)	T	1,2,4-Trichlor...	0.915	0.934	0.880	0.931	0.948	0.955	0.927	2.89
94)	T	Hexachlorobuta...	0.430	0.427	0.417	0.416	0.436	0.442	0.428	2.38
95)	T	Naphthalene	2.000	2.037	1.951	2.125	2.109	2.138	2.060	3.67
96)	T	1,2,3-Trichlor...	0.765	0.794	0.752	0.813	0.821	0.838	0.797	4.19

(#) = Out of Range

Methylene Chloride

Response Ratio



$$\text{Response} = 6.564\text{e-}001 * \text{Amt} + 4.257\text{e-}002$$

Coef of Det (r^2) = 0.999922 Curve Fit: Linear

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Calibration Table Last Updated: Fri Jun 27 05:16:36 2025