

Method Path : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\
 Method File : 82Y110823S.M
 Title : SW846 8260
 Last Update : Thu Nov 09 00:45:52 2023
 Response Via : Initial Calibration

Calibration Files

5 =VY016253.D 10 =VY016254.D 20 =VY016255.D 50 =VY016256.D 100 =VY016257.D 150 =VY016258.D

	Compound	5	10	20	50	100	150	Avg	%RSD
1) I	Pentafluorobenzene	-----ISTD-----							
2) T	Dichlorodifluo...	0.543	0.532	0.514	0.458	0.442	0.449	0.490	9.25
3) P	Chloromethane	0.652	0.639	0.596	0.539	0.506	0.508	0.573	11.30
4) C	Vinyl Chloride	0.662	0.692	0.618	0.588	0.570	0.570	0.617	8.27#
5) T	Bromomethane	0.452	0.423	0.393	0.384	0.382	0.397	0.405	6.68
6) T	Chloroethane	0.421	0.415	0.400	0.375	0.374	0.375	0.393	5.53
7) T	Trichlorofluor...	0.946	0.936	0.914	0.891	0.838	0.857	0.897	4.80
8) T	Diethyl Ether	0.258	0.290	0.265	0.266	0.259	0.270	0.268	4.42
9) T	1,1,2-Trichlor...	0.580	0.581	0.552	0.520	0.501	0.507	0.540	6.67
10) T	Methyl Iodide	0.561	0.585	0.571	0.593	0.588	0.603	0.584	2.62
11) T	Tert butyl alc...	0.039	0.039	0.033	0.035	0.033	0.036	0.036	7.81
12) CM	1,1-Dichloroet...	0.519	0.543	0.518	0.492	0.474	0.486	0.505	5.06#
13) T	Acrolein	0.040	0.051	0.041	0.044	0.040	0.042	0.043	10.12
14) T	Allyl chloride	0.724	0.743	0.717	0.722	0.695	0.703	0.717	2.36
15) T	Acrylonitrile	0.104	0.114	0.098	0.109	0.103	0.111	0.106	5.59
16) T	Acetone	0.088	0.089	0.068	0.072	0.066	0.070	0.076	13.64
17) T	Carbon Disulfide	1.594	1.628	1.553	1.494	1.430	1.449	1.525	5.23
18) T	Methyl Acetate	0.385	0.438	0.376	0.406	0.387	0.418	0.402	5.91
19) T	Methyl tert-bu...	1.172	1.274	1.181	1.236	1.199	1.275	1.223	3.74
20) T	Methylene Chlo...	0.815	0.690	0.590	0.552	0.503	0.513	0.610	19.78
21) T	trans-1,2-Dich...	0.615	0.616	0.589	0.564	0.551	0.555	0.582	5.02
22) T	Diisopropyl ether	1.508	1.638	1.535	1.567	1.495	1.529	1.545	3.35
23) T	Vinyl Acetate	0.695	0.794	0.716	0.776	0.739	0.773	0.749	5.14
24) P	1,1-Dichloroet...	0.995	1.008	0.957	0.944	0.900	0.916	0.953	4.45
25) T	2-Butanone	0.134	0.147	0.124	0.132	0.124	0.133	0.132	6.33
26) T	2,2-Dichloropr...	0.873	0.909	0.879	0.859	0.835	0.851	0.868	2.96
27) T	cis-1,2-Dichlo...	0.643	0.655	0.626	0.621	0.602	0.615	0.627	3.03
28) T	Bromochloromet...	0.355	0.378	0.356	0.349	0.334	0.345	0.353	4.20
29) T	Tetrahydrofuran	0.079	0.093	0.082	0.091	0.087	0.093	0.088	6.90
30) C	Chloroform	1.055	1.058	0.982	0.976	0.932	0.951	0.992	5.34#
31) T	Cyclohexane	1.013	0.973	0.916	0.851	0.819	0.827	0.900	8.97
32) T	1,1,1-Trichlor...	0.945	0.954	0.918	0.895	0.867	0.879	0.910	3.91
33) S	1,2-Dichloroet...	0.460	0.499	0.435	0.447	0.448	0.453	0.457	4.87
34) I	1,4-Difluorobenzene	-----ISTD-----							
35) S	Dibromofluorom...	0.284	0.305	0.281	0.283	0.278	0.273	0.284	3.95
36) T	1,1-Dichloropr...	0.499	0.519	0.509	0.492	0.470	0.470	0.493	4.07
37) T	Ethyl Acetate	0.190	0.219	0.190	0.202	0.191	0.203	0.199	5.64
38) T	Carbon Tetrach...	0.511	0.529	0.524	0.513	0.498	0.498	0.512	2.52
39) T	Methylcyclohexane	0.608	0.626	0.625	0.621	0.599	0.608	0.615	1.80
40) TM	Benzene	1.401	1.443	1.407	1.397	1.333	1.332	1.386	3.18
41) T	Methacrylonitrile	0.085	0.125	0.089	0.098	0.104	0.103	0.100	14.19
42) TM	1,2-Dichloroet...	0.353	0.385	0.351	0.366	0.345	0.354	0.359	4.02
43) T	Isopropyl Acetate	0.354	0.409	0.365	0.399	0.381	0.403	0.385	5.75
44) TM	Trichloroethene	0.411	0.416	0.402	0.397	0.381	0.383	0.398	3.58
45) C	1,2-Dichloropr...	0.336	0.343	0.333	0.341	0.320	0.325	0.333	2.77#
46) T	Dibromomethane	0.178	0.187	0.177	0.185	0.175	0.180	0.180	2.63
47) T	Bromodichlorom...	0.473	0.479	0.462	0.470	0.444	0.454	0.464	2.77
48) T	Methyl methacr...	0.186	0.218	0.207	0.225	0.216	0.226	0.213	7.05
49) T	1,4-Dioxane	0.002	0.002	0.002	0.002	0.002	0.002	0.002	11.21
50) S	Toluene-d8	1.111	1.223	1.152	1.143	1.156	1.126	1.152	3.37
51) T	4-Methyl-2-Pen...	0.177	0.208	0.189	0.203	0.192	0.201	0.195	5.78
52) CM	Toluene	0.890	0.905	0.878	0.886	0.849	0.848	0.876	2.65#
53) T	t-1,3-Dichloro...	0.430	0.462	0.437	0.464	0.446	0.457	0.449	3.14
54) T	cis-1,3-Dichlo...	0.516	0.559	0.531	0.551	0.526	0.538	0.537	2.97
55) T	1,1,2-Trichlor...	0.236	0.270	0.241	0.255	0.240	0.249	0.249	5.05
56) T	Ethyl methacry...	0.201	0.234	0.223	0.251	0.244	0.255	0.235	8.60

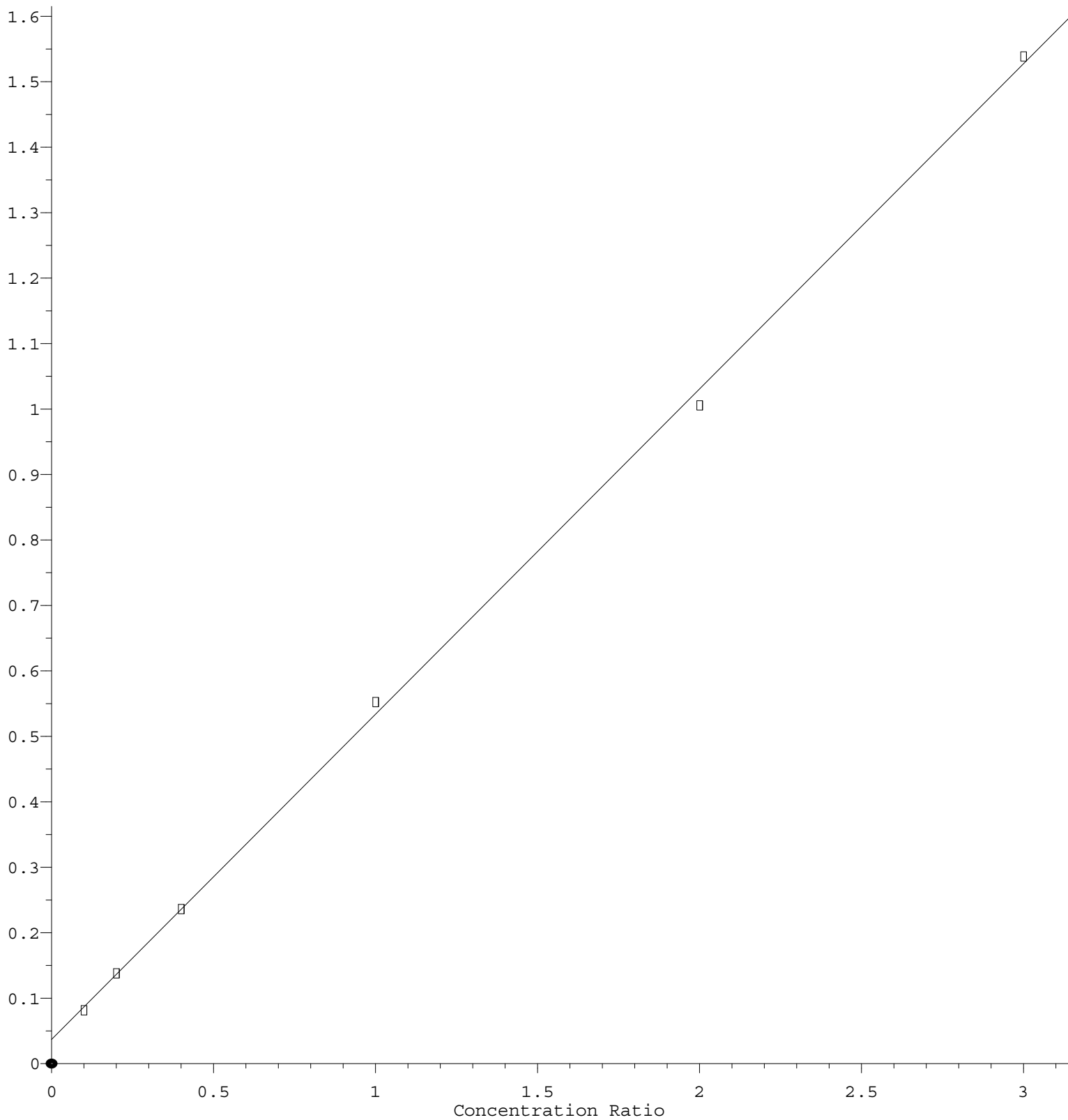
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57)	T	1,3-Dichloropr...	0.420	0.441	0.408	0.441	0.410	0.422	0.424	3.42
58)	T	2-Chloroethyl ...	0.127	0.156	0.148	0.177	0.170	0.176	0.159	12.30
59)	T	2-Hexanone	0.140	0.167	0.148	0.142	0.133	0.139	0.145	8.10
60)	T	Dibromochlorom...	0.296	0.325	0.302	0.323	0.304	0.315	0.311	3.83
61)	T	1,2-Dibromoethane	0.226	0.250	0.229	0.244	0.231	0.241	0.237	4.03
62)	S	4-Bromofluorob...	0.365	0.402	0.366	0.371	0.374	0.367	0.374	3.74
63)	I	Chlorobenzene-d5	-----ISTD-----							
64)	T	Tetrachloroethene	0.459	0.459	0.462	0.453	0.429	0.432	0.449	3.26
65)	PM	Chlorobenzene	1.093	1.114	1.079	1.069	1.020	1.035	1.068	3.32
66)	T	1,1,1,2-Tetrac...	0.393	0.407	0.394	0.398	0.382	0.390	0.394	2.11
67)	C	Ethyl Benzene	1.899	1.943	1.949	1.949	1.883	1.897	1.920	1.57#
68)	T	m/p-Xylenes	0.710	0.743	0.746	0.741	0.710	0.718	0.728	2.34
69)	T	o-Xylene	0.643	0.691	0.689	0.702	0.662	0.669	0.676	3.24
70)	T	Styrene	0.908	0.969	0.982	1.002	0.965	0.983	0.968	3.32
71)	P	Bromoform	0.198	0.208	0.192	0.212	0.203	0.214	0.204	4.00
72)	I	1,4-Dichlorobenzen...	-----ISTD-----							
73)	T	Isopropylbenzene	4.033	4.040	4.145	4.095	3.990	3.989	4.049	1.52
74)	T	N-amyl acetate	0.711	0.800	0.782	0.862	0.852	0.873	0.813	7.56
75)	P	1,1,2,2-Tetrac...	0.652	0.680	0.627	0.659	0.627	0.654	0.650	3.13
76)	T	1,2,3-Trichlor...	0.485	0.503	0.456	0.456	0.520	0.459	0.480	5.71
77)	T	Bromobenzene	0.917	0.927	0.908	0.934	0.896	0.909	0.915	1.53
78)	T	n-propylbenzene	4.851	4.774	4.920	4.838	4.646	4.680	4.785	2.21
79)	T	2-Chlorotoluene	2.687	2.678	2.645	2.690	2.547	2.574	2.637	2.34
80)	T	1,3,5-Trimethy...	3.197	3.299	3.341	3.328	3.205	3.217	3.264	2.00
81)	T	trans-1,4-Dich...	0.195	0.225	0.217	0.224	0.229	0.236	0.221	6.43
82)	T	4-Chlorotoluene	2.775	2.798	2.765	2.747	2.627	2.637	2.725	2.71
83)	T	tert-Butylbenzene	2.833	2.861	2.930	2.937	2.848	2.843	2.875	1.59
84)	T	1,2,4-Trimethy...	3.156	3.246	3.255	3.283	3.154	3.192	3.214	1.70
85)	T	sec-Butylbenzene	4.175	4.149	4.236	4.153	3.971	3.963	4.108	2.76
86)	T	p-Isopropyltol...	3.464	3.643	3.587	3.615	3.450	3.464	3.537	2.47
87)	T	1,3-Dichlorobe...	1.798	1.812	1.781	1.755	1.688	1.729	1.761	2.64
88)	T	1,4-Dichlorobe...	1.756	1.785	1.732	1.727	1.647	1.678	1.721	2.94
89)	T	n-Butylbenzene	3.263	3.323	3.355	3.371	3.131	3.156	3.267	3.14
90)	T	Hexachloroethane	0.706	0.676	0.693	0.684	0.661	0.675	0.682	2.29
91)	T	1,2-Dichlorobe...	1.512	1.583	1.497	1.515	1.451	1.492	1.509	2.87
92)	T	1,2-Dibromo-3-...	0.119	0.109	0.091	0.100	0.098	0.104	0.103	9.26
93)	T	1,2,4-Trichlor...	0.866	0.897	0.849	0.889	0.873	0.910	0.881	2.51
94)	T	Hexachlorobuta...	0.536	0.552	0.519	0.502	0.468	0.450	0.504	7.79
95)	T	Naphthalene	1.406	1.586	1.452	1.609	1.646	1.751	1.575	8.07
96)	T	1,2,3-Trichlor...	0.712	0.754	0.706	0.710	0.732	0.757	0.728	3.11

(#) = Out of Range

Methylene Chloride

Response Ratio



$$\text{Response} = 4.968\text{e-}001 * \text{Amt} + 3.717\text{e-}002$$

Coef of Det (r^2) = 0.999327 Curve Fit: Linear

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Calibration Table Last Updated: Thu Nov 09 00:45:52 2023