

Method Path : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\
 Method File : 82Y060923S.M
 Title : SW846 8260
 Last Update : Fri Jun 09 18:07:13 2023
 Response Via : Initial Calibration

Calibration Files

5 =VY014089.D 10 =VY014096.D 20 =VY014097.D 50 =VY014094.D 100 =VY014092.D 150 =VY014093.D

	Compound	5	10	20	50	100	150	Avg	%RSD
1) I	Pentafluorobenzene	-----ISTD-----							
2) T	Dichlorodifluo...	0.551	0.589	0.634	0.542	0.510	0.518	0.557	8.37
3) P	Chloromethane	0.756	0.828	0.731	0.668	0.612	0.644	0.707	11.33
4) C	Vinyl Chloride	0.732	0.747	0.721	0.669	0.628	0.624	0.687	7.84#
5) T	Bromomethane	0.605	0.617	0.615	0.496	0.515	0.553	0.567	9.38
6) T	Chloroethane	0.475	0.516	0.475	0.431	0.431	0.474	0.467	6.85
7) T	Trichlorofluor...	1.181	1.135	1.201	1.085	1.053	1.041	1.116	5.98
8) T	Diethyl Ether	0.380	0.394	0.369	0.354	0.351	0.389	0.373	4.81
9) T	1,1,2-Trichlor...	0.583	0.543	0.591	0.567	0.543	0.553	0.563	3.60
10) T	Methyl Iodide	0.654	0.740	0.724	0.760	0.774	0.810	0.744	7.15
11) T	Tert butyl alc...	0.076	0.134	0.113	0.074	0.074	0.078	0.092	28.02
12) CM	1,1-Dichloroet...	0.587	0.590	0.608	0.554	0.536	0.550	0.571	4.89#
13) T	Acrolein	0.055	0.052	0.053	0.033	0.033	0.039	0.044	23.52
14) T	Allyl chloride	0.999	1.139	1.039	1.018	0.953	1.061	1.035	6.08
15) T	Acrylonitrile	0.189	0.192	0.192	0.184	0.188	0.208	0.192	4.40
16) T	Acetone	0.212	0.215	0.199	0.179	0.221	0.234	0.210	9.07
17) T	Carbon Disulfide	1.896	2.023	1.963	1.780	1.709	1.729	1.850	7.02
18) T	Methyl Acetate	0.853	0.849	0.814	0.737	0.756	0.878	0.815	6.99
19) T	Methyl tert-bu...	1.569	1.686	1.655	1.698	1.656	1.839	1.684	5.24
20) T	Methylene Chlo...	0.975	0.951	0.790	0.674	0.611	0.652	0.775	20.24
21) T	trans-1,2-Dich...	0.635	0.703	0.636	0.636	0.598	0.611	0.637	5.69
22) T	Diisopropyl ether	1.790	2.098	1.978	1.978	1.925	2.119	1.981	6.06
23) T	Vinyl Acetate	1.005	1.148	1.180	1.159	1.194	1.327	1.169	8.81
24) P	1,1-Dichloroet...	1.117	1.262	1.148	1.108	1.078	1.143	1.142	5.57
25) T	2-Butanone	0.235	0.261	0.253	0.232	0.275	0.295	0.258	9.33
26) T	2,2-Dichloropr...	1.056	1.197	1.076	1.034	1.028	1.047	1.073	5.91
27) T	cis-1,2-Dichlo...	0.685	0.789	0.696	0.686	0.686	0.732	0.712	5.84
28) T	Bromochloromet...	0.447	0.519	0.487	0.429	0.433	0.472	0.465	7.48
29) T	Tetrahydrofuran	0.152	0.158	0.168	0.151	0.168	0.185	0.164	7.81
30) C	Chloroform	1.182	1.325	1.232	1.181	1.134	1.217	1.212	5.38#
31) T	Cyclohexane	1.025	0.907	0.992	0.894	0.884	0.894	0.933	6.44
32) T	1,1,1-Trichlor...	1.121	1.164	1.114	1.064	1.037	1.059	1.093	4.36
33) S	1,2-Dichloroet...	0.784	0.764	0.738	0.613	0.606	0.673	0.696	11.04
34) I	1,4-Difluorobenzene	-----ISTD-----							
35) S	Dibromofluorom...	0.365	0.365	0.376	0.340	0.334	0.348	0.355	4.58
36) T	1,1-Dichloropr...	0.551	0.556	0.590	0.550	0.547	0.522	0.553	3.93
37) T	Ethyl Acetate	0.353	0.362	0.393	0.370	0.400	0.410	0.381	5.98
38) T	Carbon Tetrach...	0.650	0.639	0.670	0.641	0.630	0.598	0.638	3.75
39) T	Methylcyclohexane	0.582	0.542	0.653	0.634	0.648	0.621	0.613	6.99
40) TM	Benzene	1.658	1.724	1.693	1.619	1.593	1.575	1.644	3.55
41) T	Methacrylonitrile	0.168	0.200	0.186	0.168	0.229	0.217	0.195	13.04
42) TM	1,2-Dichloroet...	0.584	0.610	0.594	0.561	0.564	0.576	0.581	3.19
43) T	Isopropyl Acetate	0.608	0.636	0.688	0.651	0.696	0.733	0.669	6.82
44) TM	Trichloroethene	0.428	0.470	0.456	0.439	0.425	0.417	0.439	4.64
45) C	1,2-Dichloropr...	0.415	0.440	0.416	0.411	0.408	0.416	0.418	2.72#
46) T	Dibromomethane	0.257	0.265	0.257	0.247	0.254	0.261	0.257	2.42
47) T	Bromodichlorom...	0.589	0.625	0.605	0.595	0.591	0.606	0.602	2.21
48) T	Methyl methacr...	0.262	0.301	0.315	0.303	0.334	0.356	0.312	10.25
49) T	1,4-Dioxane	0.002	0.003	0.004	0.003	0.004	0.004	0.003	14.80
50) S	Toluene-d8	1.451	1.458	1.455	1.200	1.191	1.199	1.326	10.66
51) T	4-Methyl-2-Pen...	0.332	0.332	0.375	0.351	0.386	0.403	0.363	8.11
52) CM	Toluene	0.965	1.070	1.075	1.016	1.000	0.988	1.019	4.40#
53) T	t-1,3-Dichloro...	0.598	0.639	0.639	0.626	0.641	0.659	0.634	3.19
54) T	cis-1,3-Dichlo...	0.669	0.714	0.701	0.676	0.684	0.703	0.691	2.53
55) T	1,1,2-Trichlor...	0.342	0.347	0.346	0.333	0.332	0.345	0.341	1.95
56) T	Ethyl methacry...	0.420	0.433	0.476	0.482	0.495	0.516	0.470	7.85

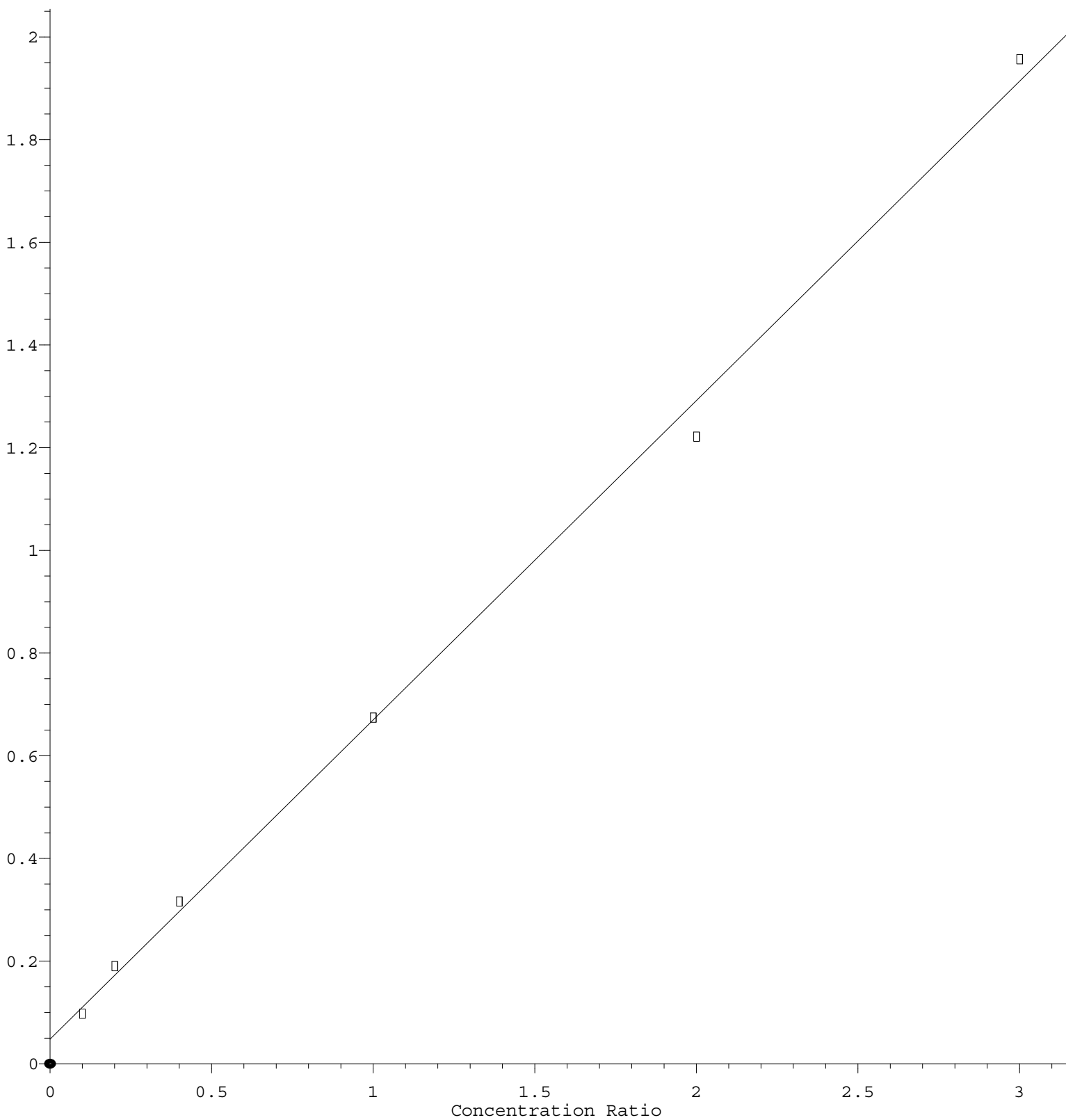
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57)	T	1,3-Dichloropr...	0.569	0.597	0.591	0.576	0.577	0.588	0.583	1.79
58)	T	2-Chloroethyl ...	0.164	0.115	0.130	0.203	0.219	0.231	0.177	27.25
59)	T	2-Hexanone	0.237	0.236	0.268	0.250	0.290	0.292	0.262	9.63
60)	T	Dibromochlorom...	0.418	0.442	0.450	0.427	0.436	0.445	0.436	2.72
61)	T	1,2-Dibromoethane	0.331	0.345	0.335	0.327	0.336	0.344	0.336	2.12
62)	S	4-Bromofluorob...	0.500	0.510	0.493	0.439	0.438	0.446	0.471	7.12
63)	I	Chlorobenzene-d5	-----ISTD-----							
64)	T	Tetrachloroethene	0.451	0.436	0.445	0.423	0.418	0.385	0.426	5.60
65)	PM	Chlorobenzene	1.199	1.267	1.222	1.191	1.178	1.152	1.201	3.28
66)	T	1,1,1,2-Tetrac...	0.469	0.496	0.475	0.475	0.467	0.453	0.473	2.92
67)	C	Ethyl Benzene	1.979	2.133	2.139	2.148	2.155	2.063	2.103	3.29#
68)	T	m/p-Xylenes	0.767	0.825	0.833	0.824	0.822	0.782	0.809	3.36
69)	T	o-Xylene	0.709	0.777	0.779	0.783	0.786	0.754	0.765	3.87
70)	T	Styrene	1.192	1.320	1.335	1.335	1.346	1.304	1.305	4.41
71)	P	Bromoform	0.316	0.319	0.329	0.319	0.331	0.328	0.324	1.93
72)	I	1,4-Dichlorobenzen...	-----ISTD-----							
73)	T	Isopropylbenzene	3.427	3.781	3.961	4.034	3.955	3.729	3.814	5.84
74)	T	N-amyl acetate	1.023	1.100	1.216	1.242	1.321	1.350	1.209	10.47
75)	P	1,1,2,2-Tetrac...	0.821	0.835	0.879	0.846	0.873	0.860	0.852	2.65
76)	T	1,2,3-Trichlor...	0.568	0.680	0.685	0.699	0.623	0.680	0.656	7.67
77)	T	Bromobenzene	0.948	1.048	1.021	1.026	1.000	0.972	1.003	3.69
78)	T	n-propylbenzene	4.146	4.757	4.806	4.913	4.812	4.519	4.659	6.08
79)	T	2-Chlorotoluene	2.469	2.762	2.776	2.744	2.722	2.611	2.681	4.45
80)	T	1,3,5-Trimethy...	2.937	3.360	3.396	3.433	3.307	3.164	3.266	5.70
81)	T	trans-1,4-Dich...	0.251	0.290	0.315	0.312	0.326	0.327	0.303	9.51
82)	T	4-Chlorotoluene	2.630	2.988	2.914	2.930	2.833	2.749	2.841	4.66
83)	T	tert-Butylbenzene	2.494	2.770	2.903	2.910	2.902	2.673	2.775	6.04
84)	T	1,2,4-Trimethy...	2.815	3.330	3.383	3.383	3.296	3.191	3.233	6.71
85)	T	sec-Butylbenzene	3.619	4.024	4.219	4.278	4.171	3.900	4.035	6.09
86)	T	p-Isopropyltol...	3.150	3.476	3.637	3.641	3.505	3.311	3.453	5.56
87)	T	1,3-Dichlorobe...	1.827	2.055	1.959	1.940	1.888	1.815	1.914	4.72
88)	T	1,4-Dichlorobe...	1.893	2.073	1.992	1.934	1.856	1.823	1.929	4.79
89)	T	n-Butylbenzene	2.947	3.147	3.317	3.365	3.304	3.139	3.203	4.89
90)	T	Hexachloroethane	0.681	0.723	0.687	0.700	0.683	0.656	0.688	3.22
91)	T	1,2-Dichlorobe...	1.625	1.803	1.771	1.737	1.700	1.679	1.719	3.77
92)	T	1,2-Dibromo-3-...	0.159	0.149	0.175	0.149	0.170	0.172	0.162	7.10
93)	T	1,2,4-Trichlor...	0.956	1.079	1.135	1.098	1.134	1.132	1.089	6.34
94)	T	Hexachlorobuta...	0.604	0.613	0.676	0.647	0.627	0.606	0.629	4.46
95)	T	Naphthalene	1.806	2.009	2.214	2.207	2.459	2.567	2.210	12.68
96)	T	1,2,3-Trichlor...	0.872	0.995	1.028	0.966	1.016	1.028	0.984	6.09

(#) = Out of Range

Methylene Chloride

Response Ratio



$$\text{Response} = 6.220\text{e-}001 * \text{Amt} + 4.804\text{e-}002$$

Coef of Det (r^2) = 0.997074 Curve Fit: Linear

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Calibration Table Last Updated: Fri Jun 09 18:07:13 2023