

Method Path : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\
 Method File : 82Y052323S.M
 Title : SW846 8260
 Last Update : Wed May 24 05:25:47 2023
 Response Via : Initial Calibration

Calibration Files

5 =VY013835.D 10 =VY013829.D 20 =VY013830.D 50 =VY013831.D 100 =VY013832.D 150 =VY013833.D

	Compound	5	10	20	50	100	150	Avg	%RSD
1) I	Pentafluorobenzene	-----ISTD-----							
2) T	Dichlorodifluo...	0.389	0.395	0.392	0.524	0.527	0.521	0.458	15.84
3) P	Chloromethane	0.605	0.482	0.458	0.588	0.602	0.613	0.558	12.39
4) C	Vinyl Chloride	0.585	0.490	0.478	0.618	0.622	0.630	0.571	12.03#
5) T	Bromomethane	0.496	0.391	0.392	0.437	0.479	0.527	0.453	12.42
6) T	Chloroethane	0.388	0.317	0.317	0.379	0.398	0.431	0.372	12.35
7) T	Trichlorofluor...	0.978	0.893	0.864	1.015	1.005	1.007	0.960	6.80
8) T	Diethyl Ether	0.297	0.273	0.270	0.312	0.303	0.312	0.295	6.31
9) T	1,1,2-Trichlor...	0.536	0.484	0.482	0.537	0.541	0.544	0.521	5.64
10) T	Methyl Iodide	0.522	0.491	0.506	0.705	0.748	0.736	0.618	20.00
11) T	Tert butyl alc...	0.039	0.042	0.047	0.046	0.043	0.050	0.044	8.58
12) CM	1,1-Dichloroet...	0.477	0.437	0.433	0.522	0.532	0.534	0.489	9.57#
13) T	Acrolein	0.066	0.069	0.074	0.065	0.061	0.065	0.067	6.73
14) T	Allyl chloride	0.926	0.756	0.788	0.901	0.980	1.007	0.893	11.38
15) T	Acrylonitrile	0.146	0.135	0.143	0.157	0.155	0.170	0.151	8.06
16) T	Acetone	0.180	0.158	0.157	0.175	0.177	0.183	0.172	6.55
17) T	Carbon Disulfide	1.451	1.126	1.152	1.609	1.713	1.708	1.460	18.24
18) T	Methyl Acetate	0.618	0.541	0.564	0.602	0.594	0.655	0.596	6.73
19) T	Methyl tert-bu...	1.245	1.183	1.229	1.408	1.444	1.501	1.335	9.90
20) T	Methylene Chlo...	0.936	0.756	0.638	0.598	0.600	0.587	0.686	20.11
21) T	trans-1,2-Dich...	0.550	0.460	0.457	0.554	0.586	0.583	0.532	10.99
22) T	Diisopropyl ether	1.622	1.532	1.590	1.797	1.869	1.934	1.724	9.55
23) T	Vinyl Acetate	0.879	0.844	0.895	1.090	1.123	1.194	1.004	14.81
24) P	1,1-Dichloroet...	1.054	0.905	0.904	1.012	1.075	1.088	1.006	8.25
25) T	2-Butanone	0.191	0.187	0.195	0.218	0.218	0.248	0.209	11.06
26) T	2,2-Dichloropr...	0.921	0.839	0.822	0.921	0.954	0.983	0.907	7.01
27) T	cis-1,2-Dichlo...	0.597	0.539	0.537	0.623	0.634	0.654	0.597	8.29
28) T	Bromochloromet...	0.350	0.297	0.303	0.274	0.265	0.282	0.295	10.25
29) T	Tetrahydrofuran	0.108	0.107	0.116	0.140	0.130	0.149	0.125	13.98
30) C	Chloroform	1.048	0.968	0.953	1.035	1.046	1.072	1.020	4.73#
31) T	Cyclohexane	0.998	0.781	0.743	0.919	0.930	0.962	0.889	11.54
32) T	1,1,1-Trichlor...	0.963	0.857	0.842	0.958	0.979	0.986	0.931	6.86
33) S	1,2-Dichloroet...	0.611	0.613	0.592	0.556	0.544	0.554	0.578	5.32
34) I	1,4-Difluorobenzene	-----ISTD-----							
35) S	Dibromofluorom...	0.321	0.330	0.330	0.323	0.318	0.315	0.323	1.98
36) T	1,1-Dichloropr...	0.476	0.424	0.446	0.530	0.538	0.536	0.492	10.13
37) T	Ethyl Acetate	0.260	0.260	0.293	0.335	0.306	0.345	0.300	12.10
38) T	Carbon Tetrach...	0.553	0.520	0.528	0.588	0.585	0.582	0.559	5.43
39) T	Methylcyclohexane	0.519	0.486	0.494	0.641	0.654	0.662	0.576	14.71
40) TM	Benzene	1.408	1.287	1.288	1.489	1.503	1.501	1.413	7.30
41) T	Methacrylonitrile	0.145	0.165	0.158	0.155	0.178	0.182	0.164	8.66
42) TM	1,2-Dichloroet...	0.449	0.441	0.443	0.488	0.477	0.476	0.463	4.39
43) T	Isopropyl Acetate	0.495	0.480	0.518	0.592	0.571	0.624	0.547	10.54
44) TM	Trichloroethene	0.386	0.355	0.345	0.398	0.401	0.398	0.381	6.43
45) C	1,2-Dichloropr...	0.372	0.329	0.337	0.376	0.376	0.382	0.362	6.32#
46) T	Dibromomethane	0.205	0.188	0.196	0.219	0.215	0.220	0.207	6.27
47) T	Bromodichlorom...	0.501	0.476	0.486	0.521	0.527	0.521	0.505	4.19
48) T	Methyl methacr...	0.223	0.209	0.235	0.288	0.279	0.304	0.257	15.21
49) T	1,4-Dioxane	0.002	0.002	0.002	0.003	0.002	0.003	0.002	11.74
50) S	Toluene-d8	1.234	1.288	1.293	1.192	1.192	1.165	1.227	4.39
51) T	4-Methyl-2-Pen...	0.246	0.256	0.290	0.325	0.304	0.327	0.291	11.80
52) CM	Toluene	0.828	0.790	0.794	0.914	0.933	0.909	0.861	7.50#
53) T	t-1,3-Dichloro...	0.472	0.468	0.480	0.553	0.553	0.559	0.514	8.75
54) T	cis-1,3-Dichlo...	0.535	0.531	0.540	0.613	0.618	0.620	0.576	7.79
55) T	1,1,2-Trichlor...	0.271	0.262	0.270	0.296	0.288	0.286	0.279	4.68
56) T	Ethyl methacry...	0.298	0.324	0.356	0.418	0.409	0.428	0.372	14.59

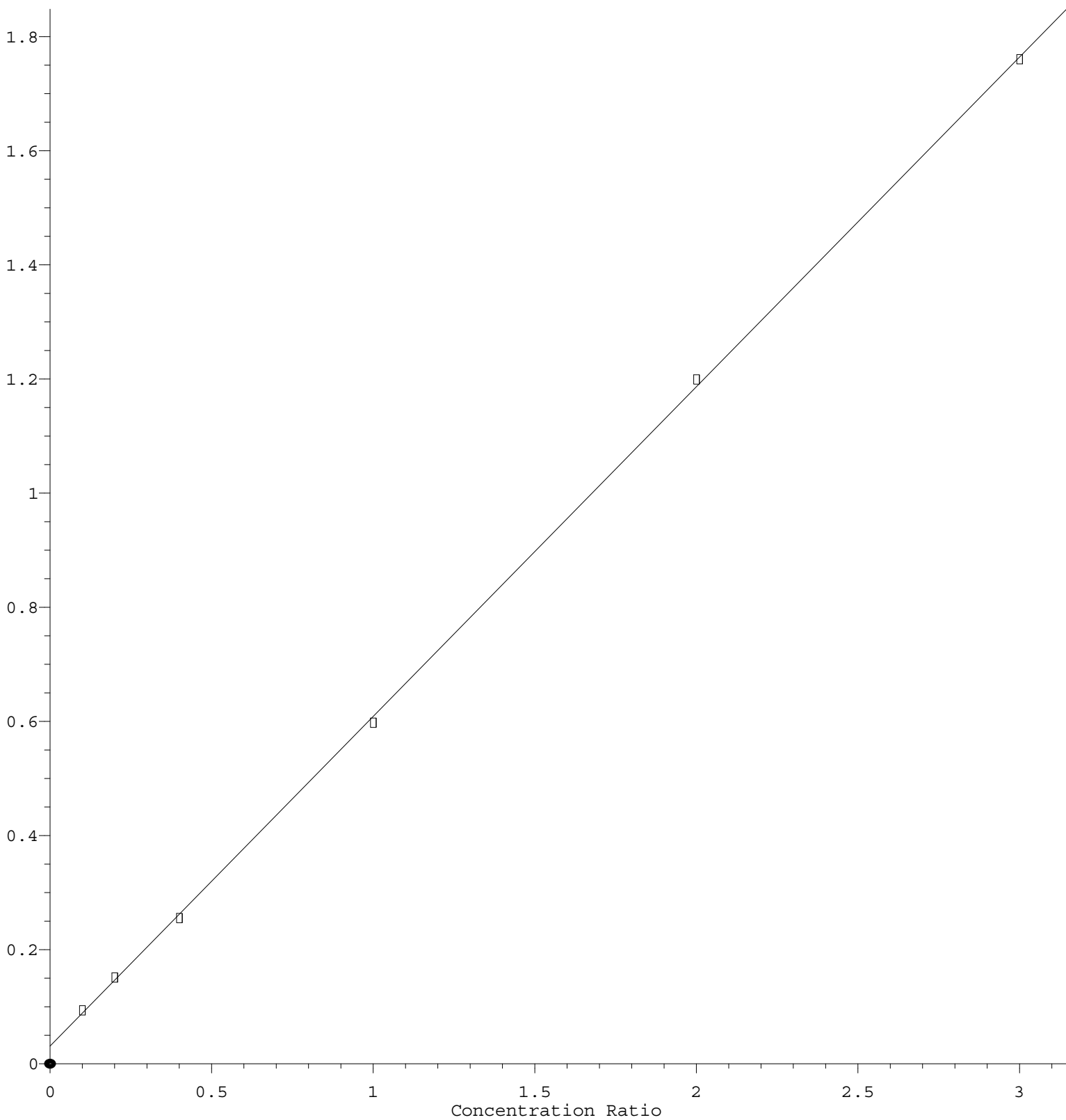
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57)	T	1,3-Dichloropr...	0.440	0.450	0.461	0.509	0.492	0.497	0.475	5.95
58)	T	2-Chloroethyl ...	0.124	0.118	0.133	0.110	0.111	0.118	0.119	7.47
59)	T	2-Hexanone	0.167	0.184	0.204	0.236	0.219	0.234	0.207	13.34
60)	T	Dibromochlorom...	0.335	0.341	0.342	0.374	0.364	0.360	0.353	4.42
61)	T	1,2-Dibromoethane	0.244	0.246	0.254	0.287	0.277	0.283	0.265	7.31
62)	S	4-Bromofluorob...	0.402	0.432	0.421	0.410	0.398	0.385	0.408	4.14
-----ISTD-----										
63)	I	Chlorobenzene-d5								
64)	T	Tetrachloroethene	0.366	0.348	0.337	0.389	0.390	0.389	0.370	6.33
65)	PM	Chlorobenzene	1.043	0.996	0.984	1.085	1.093	1.088	1.048	4.66
66)	T	1,1,1,2-Tetrac...	0.403	0.386	0.386	0.417	0.419	0.416	0.404	3.86
67)	C	Ethyl Benzene	1.755	1.692	1.742	1.999	2.065	2.063	1.886	9.23#
68)	T	m/p-Xylenes	0.656	0.642	0.674	0.762	0.778	0.771	0.714	8.81
69)	T	o-Xylene	0.625	0.606	0.633	0.712	0.728	0.731	0.672	8.52
70)	T	Styrene	1.035	1.037	1.091	1.211	1.230	1.228	1.139	8.31
71)	P	Bromoform	0.249	0.251	0.260	0.280	0.272	0.275	0.264	4.90
-----ISTD-----										
72)	I	1,4-Dichlorobenzen...								
73)	T	Isopropylbenzene	3.389	3.290	3.420	3.958	4.080	4.192	3.721	10.71
74)	T	N-amyl acetate	0.902	0.961	1.039	1.242	1.228	1.341	1.119	15.73
75)	P	1,1,2,2-Tetrac...	0.694	0.732	0.732	0.826	0.796	0.842	0.770	7.74
76)	T	1,2,3-Trichlor...	0.650	0.547	0.557	0.523	0.628	0.631	0.590	9.04
77)	T	Bromobenzene	0.881	0.854	0.847	0.957	0.963	0.977	0.913	6.46
78)	T	n-propylbenzene	4.332	4.069	4.186	4.908	5.000	5.090	4.598	9.82
79)	T	2-Chlorotoluene	2.464	2.365	2.355	2.652	2.766	2.806	2.568	7.79
80)	T	1,3,5-Trimethy...	2.811	2.795	2.850	3.311	3.304	3.361	3.072	9.08
81)	T	trans-1,4-Dich...	0.234	0.229	0.254	0.301	0.296	0.316	0.272	13.71
82)	T	4-Chlorotoluene	2.630	2.413	2.448	2.731	2.803	2.901	2.654	7.34
83)	T	tert-Butylbenzene	2.518	2.413	2.502	2.813	2.866	2.941	2.675	8.34
84)	T	1,2,4-Trimethy...	2.718	2.724	2.803	3.228	3.287	3.331	3.015	9.80
85)	T	sec-Butylbenzene	3.665	3.671	3.675	4.233	4.261	4.341	3.974	8.42
86)	T	p-Isopropyltol...	3.057	3.007	3.041	3.481	3.524	3.598	3.285	8.42
87)	T	1,3-Dichlorobe...	1.742	1.714	1.632	1.833	1.807	1.854	1.764	4.76
88)	T	1,4-Dichlorobe...	1.766	1.683	1.652	1.804	1.815	1.815	1.756	4.07
89)	T	n-Butylbenzene	2.899	2.837	2.902	3.334	3.431	3.498	3.150	9.59
90)	T	Hexachloroethane	0.677	0.646	0.632	0.682	0.694	0.716	0.674	4.60
91)	T	1,2-Dichlorobe...	1.541	1.512	1.472	1.632	1.609	1.637	1.567	4.39
92)	T	1,2-Dibromo-3-...	0.126	0.113	0.135	0.146	0.140	0.150	0.135	10.02
93)	T	1,2,4-Trichlor...	0.872	0.897	0.895	1.023	1.045	1.098	0.972	9.81
94)	T	Hexachlorobuta...	0.608	0.607	0.580	0.624	0.624	0.633	0.613	3.11
95)	T	Naphthalene	1.405	1.530	1.661	2.077	2.135	2.330	1.856	20.15
96)	T	1,2,3-Trichlor...	0.788	0.800	0.793	0.913	0.914	0.977	0.864	9.32

(#) = Out of Range

Methylene Chloride

Response Ratio



$$\text{Response} = 5.778\text{e-}001 * \text{Amt} + 3.092\text{e-}002$$

Coef of Det (r^2) = 0.999825 Curve Fit: Linear

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Calibration Table Last Updated: Wed May 24 05:25:47 2023