

Method Path : Z:\voasrv\HPCHEM1\MSVOA_D\Method\
 Method File : 82D091823S.M
 Title : SW846 8260
 Last Update : Tue Sep 19 04:46:37 2023
 Response Via : Initial Calibration

Calibration Files

5 =VD077120.D 10 =VD077121.D 20 =VD077122.D 50 =VD077123.D 100 =VD077124.D 150 =VD077125.D

	Compound	5	10	20	50	100	150	Avg	%RSD
1) I	Pentafluorobenzene	-----ISTD-----							
2) T	Dichlorodifluo...	0.561	0.615	0.588	0.462	0.441	0.434	0.517	15.56
3) P	Chloromethane	1.067	1.094	1.084	0.810	0.862	0.812	0.955	14.71
4) C	Vinyl Chloride	1.102	1.049	1.162	0.931	0.930	0.956	1.022	9.59#
5) T	Bromomethane	0.873	0.678	0.817	0.603	0.707	0.787	0.744	13.38
6) T	Chloroethane	0.644	0.576	0.778	0.534	0.615	0.666	0.636	13.27
7) T	Trichlorofluor...	1.021	0.800	1.075	0.789	0.959	0.897	0.923	12.63
8) T	Diethyl Ether	0.312	0.308	0.298	0.265	0.303	0.303	0.298	5.71
9) T	1,1,2-Trichlor...	0.596	0.641	0.602	0.557	0.538	0.531	0.577	7.38
10) T	Methyl Iodide	0.724	0.834	0.889	0.808	0.836	0.860	0.825	6.87
11) T	Tert butyl alc...	0.031	0.030	0.027	0.026	0.029	0.029	0.029	6.51
12) CM	1,1-Dichloroet...	0.595	0.616	0.595	0.545	0.569	0.570	0.582	4.33#
13) T	Acrolein	0.028	0.029	0.031	0.017	0.018	0.018	0.023	26.29
14) T	Allyl chloride	0.660	0.697	0.723	0.696	0.734	0.748	0.710	4.47
15) T	Acrylonitrile	0.127	0.122	0.127	0.116	0.129	0.129	0.125	3.95
16) T	Acetone	0.125	0.114	0.111	0.117	0.113	0.111	0.115	4.59
17) T	Carbon Disulfide	1.975	2.054	2.058	1.788	1.818	1.796	1.915	6.74
18) T	Methyl Acetate	0.456	0.424	0.444	0.403	0.442	0.448	0.436	4.36
19) T	Methyl tert-bu...	1.210	1.191	1.239	1.195	1.356	1.360	1.259	6.26
20) T	Methylene Chlo...	1.365	1.281	0.935	0.707	0.701	0.685	0.946	32.51
21) T	trans-1,2-Dich...	0.703	0.724	0.720	0.669	0.700	0.702	0.703	2.78
22) T	Diisopropyl ether	1.514	1.596	1.626	1.553	1.669	1.668	1.604	3.90
23) T	Vinyl Acetate	0.575	0.635	0.609	0.612	0.715	0.703	0.641	8.68
24) P	1,1-Dichloroet...	1.204	1.227	1.194	1.059	1.112	1.114	1.152	5.74
25) T	2-Butanone	0.155	0.146	0.144	0.145	0.160	0.160	0.152	5.05
26) T	2,2-Dichloropr...	0.976	1.016	0.993	0.913	0.980	0.987	0.977	3.54
27) T	cis-1,2-Dichlo...	0.786	0.768	0.831	0.743	0.802	0.813	0.790	4.05
28) T	Bromochloromet...	0.371	0.368	0.368	0.338	0.341	0.335	0.354	4.83
29) T	Tetrahydrofuran	0.092	0.085	0.085	0.083	0.095	0.094	0.089	5.82
30) C	Chloroform	1.248	1.324	1.310	1.166	1.208	1.190	1.241	5.23#
31) T	Cyclohexane	0.947	0.929	0.915	0.842	0.828	0.836	0.883	6.01
32) T	1,1,1-Trichlor...	1.034	1.070	1.089	0.987	1.018	1.018	1.036	3.63
33) S	1,2-Dichloroet...	0.518	0.537	0.501	0.485	0.490	0.496	0.505	3.84
34) I	1,4-Difluorobenzene	-----ISTD-----							
35) S	Dibromofluorom...	0.334	0.345	0.356	0.359	0.341	0.348	0.347	2.65
36) T	1,1-Dichloropr...	0.472	0.520	0.550	0.514	0.533	0.549	0.523	5.59
37) T	Ethyl Acetate	0.214	0.185	0.201	0.186	0.209	0.210	0.201	6.28
38) T	Carbon Tetrach...	0.452	0.534	0.532	0.513	0.518	0.535	0.514	6.21
39) T	Methylcyclohexane	0.514	0.598	0.612	0.625	0.622	0.639	0.602	7.54
40) TM	Benzene	1.508	1.603	1.693	1.573	1.646	1.687	1.618	4.41
41) T	Methacrylonitrile	0.090	0.112	0.117	0.100	0.118	0.107	0.107	10.05
42) TM	1,2-Dichloroet...	0.389	0.416	0.415	0.385	0.400	0.402	0.401	3.16
43) T	Isopropyl Acetate	0.356	0.352	0.360	0.348	0.395	0.407	0.369	6.69
44) TM	Trichloroethene	0.440	0.464	0.466	0.424	0.439	0.454	0.448	3.67
45) C	1,2-Dichloropr...	0.379	0.405	0.398	0.377	0.398	0.402	0.393	3.07#
46) T	Dibromomethane	0.221	0.234	0.236	0.217	0.230	0.232	0.228	3.34
47) T	Bromodichlorom...	0.543	0.565	0.564	0.524	0.557	0.558	0.552	2.85
48) T	Methyl methacr...	0.133	0.160	0.172	0.165	0.186	0.191	0.168	12.47
49) T	1,4-Dioxane	0.002	0.002	0.002	0.002	0.002	0.002	0.002	13.20
50) S	Toluene-d8	1.041	1.199	1.254	1.318	1.276	1.329	1.236	8.61
51) T	4-Methyl-2-Pen...	0.188	0.181	0.187	0.182	0.210	0.212	0.193	7.37
52) CM	Toluene	0.907	1.013	1.070	1.019	1.087	1.116	1.035	7.18#
53) T	t-1,3-Dichloro...	0.465	0.497	0.522	0.497	0.548	0.565	0.516	7.14
54) T	cis-1,3-Dichlo...	0.547	0.609	0.633	0.600	0.652	0.665	0.618	6.90
55) T	1,1,2-Trichlor...	0.307	0.316	0.316	0.296	0.311	0.318	0.311	2.59
56) T	Ethyl methacry...	0.278	0.296	0.324	0.332	0.382	0.389	0.334	13.38

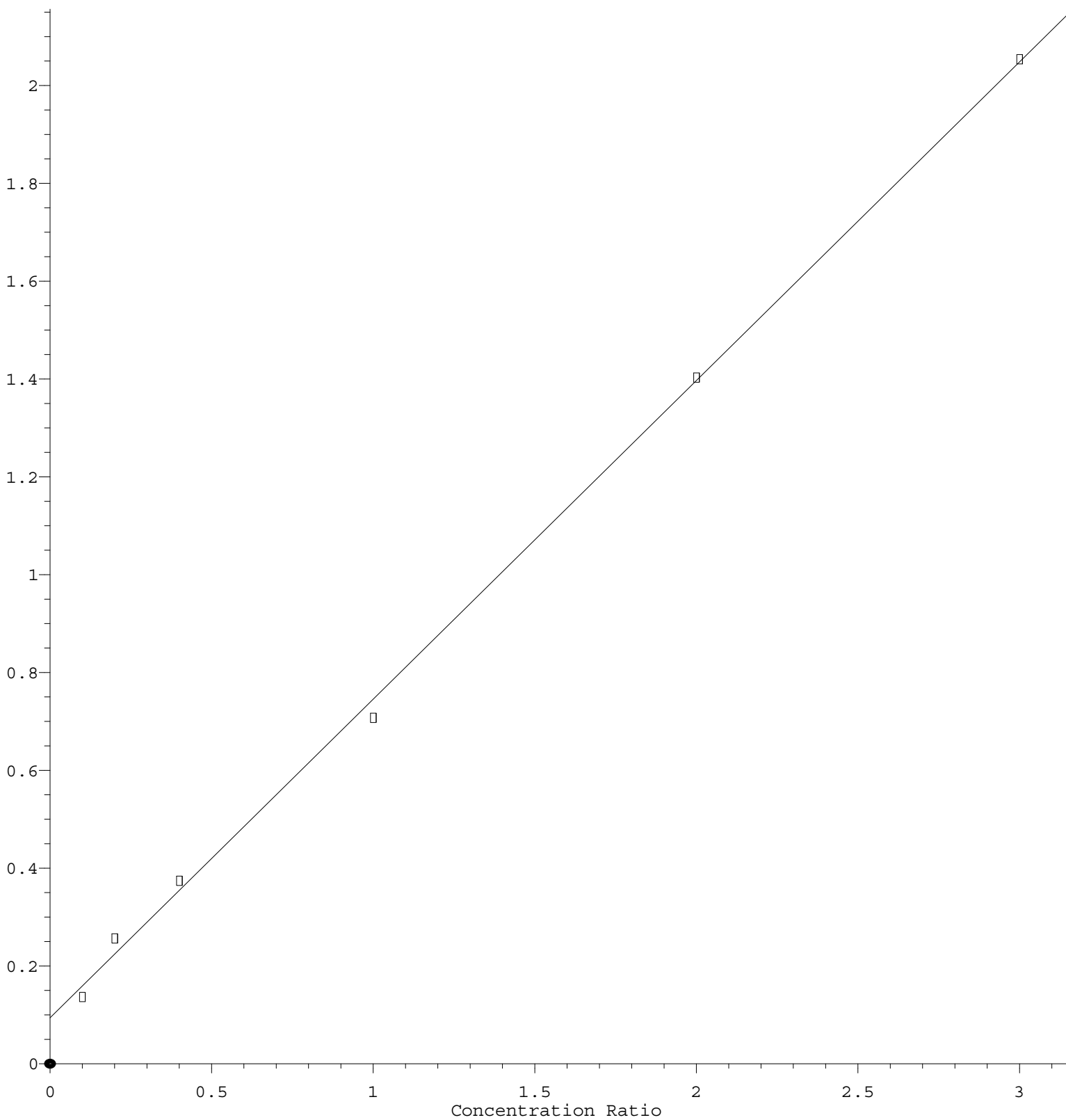
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57)	T	1,3-Dichloropr...	0.475	0.496	0.510	0.487	0.525	0.526	0.503	4.13
58)	T	2-Chloroethyl ...	0.087	0.094	0.098	0.176	0.187	0.191	0.139	36.34
59)	T	2-Hexanone	0.136	0.123	0.131	0.132	0.153	0.157	0.139	9.59
60)	T	Dibromochlorom...	0.363	0.387	0.384	0.369	0.387	0.392	0.380	3.01
61)	T	1,2-Dibromoethane	0.291	0.314	0.303	0.280	0.305	0.309	0.300	4.15
62)	S	4-Bromofluorob...	0.336	0.361	0.398	0.398	0.394	0.411	0.383	7.42
63)	I	Chlorobenzene-d5	-----ISTD-----							
64)	T	Tetrachloroethene	0.372	0.400	0.414	0.383	0.383	0.382	0.389	3.96
65)	PM	Chlorobenzene	1.148	1.193	1.202	1.121	1.194	1.198	1.176	2.84
66)	T	1,1,1,2-Tetrac...	0.412	0.429	0.436	0.412	0.449	0.443	0.430	3.60
67)	C	Ethyl Benzene	1.750	1.910	2.076	2.005	2.181	2.209	2.022	8.56#
68)	T	m/p-Xylenes	0.696	0.769	0.840	0.817	0.864	0.871	0.809	8.27
69)	T	o-Xylene	0.627	0.702	0.755	0.742	0.809	0.822	0.743	9.65
70)	T	Styrene	1.007	1.185	1.284	1.291	1.410	1.417	1.266	12.15
71)	P	Bromoform	0.245	0.244	0.231	0.228	0.244	0.238	0.239	3.04
72)	I	1,4-Dichlorobenzen...	-----ISTD-----							
73)	T	Isopropylbenzene	3.280	3.556	3.779	3.680	3.868	4.004	3.695	6.89
74)	T	N-amyl acetate	0.616	0.658	0.667	0.671	0.754	0.798	0.694	9.76
75)	P	1,1,2,2-Tetrac...	0.772	0.693	0.696	0.635	0.693	0.696	0.697	6.24
76)	T	1,2,3-Trichlor...	0.406	0.374	0.479	0.364	0.386	0.385	0.399	10.40
77)	T	Bromobenzene	0.871	0.949	0.946	0.889	0.930	0.934	0.920	3.50
78)	T	n-propylbenzene	3.923	4.393	4.730	4.511	4.694	4.845	4.516	7.36
79)	T	2-Chlorotoluene	2.297	2.482	2.537	2.445	2.555	2.626	2.490	4.56
80)	T	1,3,5-Trimethy...	2.594	2.959	3.218	3.110	3.246	3.385	3.085	9.07
81)	T	trans-1,4-Dich...	0.192	0.202	0.203	0.198	0.231	0.238	0.211	9.04
82)	T	4-Chlorotoluene	2.311	2.540	2.778	2.633	2.684	2.758	2.617	6.61
83)	T	tert-Butylbenzene	2.252	2.525	2.750	2.681	2.747	2.861	2.636	8.26
84)	T	1,2,4-Trimethy...	2.658	3.005	3.208	3.128	3.336	3.437	3.129	8.83
85)	T	sec-Butylbenzene	3.378	3.780	4.140	4.030	4.136	4.270	3.956	8.27
86)	T	p-Isopropyltol...	2.694	3.169	3.448	3.422	3.617	3.783	3.356	11.44
87)	T	1,3-Dichlorobe...	1.833	1.887	1.911	1.841	1.906	1.972	1.892	2.70
88)	T	1,4-Dichlorobe...	1.815	1.910	1.913	1.783	1.879	1.868	1.861	2.79
89)	T	n-Butylbenzene	2.617	2.951	3.142	3.130	3.315	3.419	3.096	9.20
90)	T	Hexachloroethane	0.642	0.685	0.699	0.635	0.652	0.681	0.666	3.91
91)	T	1,2-Dichlorobe...	1.600	1.649	1.667	1.554	1.622	1.640	1.622	2.48
92)	T	1,2-Dibromo-3-...	0.092	0.096	0.088	0.088	0.097	0.099	0.093	5.02
93)	T	1,2,4-Trichlor...	0.887	0.953	0.997	0.977	1.101	1.091	1.001	8.23
94)	T	Hexachlorobuta...	0.513	0.533	0.547	0.521	0.532	0.536	0.530	2.23
95)	T	Naphthalene	1.667	1.668	1.757	1.781	2.042	2.096	1.835	10.22
96)	T	1,2,3-Trichlor...	0.845	0.854	0.847	0.880	0.950	0.961	0.890	5.92

(#) = Out of Range

Methylene Chloride

Response Ratio



$$\text{Response} = 6.514\text{e-}001 * \text{Amt} + 9.437\text{e-}002$$

Coef of Det (r^2) = 0.998797 Curve Fit: Linear

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Calibration Table Last Updated: Tue Sep 19 04:46:37 2023