

Method Path : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\
 Method File : 82Y051723S.M
 Title : SW846 8260
 Last Update : Thu May 18 06:54:18 2023
 Response Via : Initial Calibration

Calibration Files

5 =VY013767.D 10 =VY013768.D 20 =VY013769.D 50 =VY013770.D 100 =VY013771.D 150 =VY013772.D

	Compound	5	10	20	50	100	150	Avg	%RSD
1) I	Pentafluorobenzene	-----ISTD-----							
2) T	Dichlorodifluo...	0.384	0.372	0.354	0.352	0.354	0.339	0.359	4.51
3) P	Chloromethane	0.643	0.554	0.538	0.521	0.514	0.497	0.544	9.61
4) C	Vinyl Chloride	0.614	0.554	0.531	0.529	0.528	0.505	0.543	6.94#
5) T	Bromomethane	0.562	0.478	0.505	0.424	0.457	0.466	0.482	9.80
6) T	Chloroethane	0.439	0.352	0.375	0.352	0.355	0.367	0.374	8.96
7) T	Trichlorofluor...	0.872	0.799	0.789	0.775	0.772	0.739	0.791	5.63
8) T	Diethyl Ether	0.294	0.250	0.266	0.268	0.256	0.255	0.265	5.99
9) T	1,1,2-Trichlor...	0.506	0.468	0.467	0.446	0.454	0.437	0.463	5.22
10) T	Methyl Iodide	0.494	0.456	0.481	0.533	0.555	0.533	0.509	7.40
11) T	Tert butyl alc...	0.051	0.044	0.050	0.047	0.043	0.046	0.047	7.07
12) CM	1,1-Dichloroet...	0.466	0.406	0.411	0.416	0.416	0.402	0.420	5.61#
13) T	Acrolein	0.087	0.081	0.087	0.084	0.081	0.083	0.084	3.29
14) T	Allyl chloride	0.863	0.799	0.799	0.838	0.835	0.826	0.827	2.99
15) T	Acrylonitrile	0.160	0.147	0.159	0.157	0.151	0.156	0.155	3.32
16) T	Acetone	0.189	0.163	0.175	0.180	0.173	0.171	0.175	4.99
17) T	Carbon Disulfide	1.488	1.167	1.161	1.160	1.147	1.112	1.206	11.58
18) T	Methyl Acetate	0.690	0.572	0.628	0.610	0.568	0.597	0.611	7.34
19) T	Methyl tert-bu...	1.252	1.197	1.249	1.332	1.299	1.308	1.273	3.88
20) T	Methylene Chlo...	1.090	0.736	0.616	0.545	0.502	0.481	0.662	34.67
21) T	trans-1,2-Dich...	0.513	0.456	0.463	0.473	0.474	0.456	0.472	4.54
22) T	Diisopropyl ether	1.744	1.655	1.736	1.830	1.804	1.779	1.758	3.52
23) T	Vinyl Acetate	0.944	0.930	0.999	1.080	1.065	1.087	1.017	6.87
24) P	1,1-Dichloroet...	1.041	0.941	0.948	0.958	0.952	0.926	0.961	4.23
25) T	2-Butanone	0.226	0.204	0.233	0.237	0.228	0.238	0.228	5.45
26) T	2,2-Dichloropr...	0.868	0.804	0.790	0.824	0.831	0.808	0.821	3.33
27) T	cis-1,2-Dichlo...	0.597	0.532	0.533	0.569	0.561	0.550	0.557	4.42
28) T	Bromochloromet...	0.372	0.361	0.342	0.319	0.314	0.309	0.336	7.81
29) T	Tetrahydrofuran	0.133	0.124	0.139	0.143	0.134	0.144	0.136	5.62
30) C	Chloroform	1.071	0.955	0.940	0.968	0.952	0.924	0.969	5.39#
31) T	Cyclohexane	1.014	0.846	0.801	0.782	0.789	0.766	0.833	11.13
32) T	1,1,1-Trichlor...	0.861	0.811	0.818	0.826	0.835	0.809	0.827	2.34
33) S	1,2-Dichloroet...	0.605	0.595	0.588	0.583	0.558	0.556	0.581	3.45
34) I	1,4-Difluorobenzene	-----ISTD-----							
35) S	Dibromofluorom...	0.322	0.322	0.314	0.327	0.320	0.319	0.321	1.28
36) T	1,1-Dichloropr...	0.488	0.419	0.430	0.445	0.443	0.433	0.443	5.46
37) T	Ethyl Acetate	0.307	0.292	0.300	0.313	0.296	0.321	0.305	3.59
38) T	Carbon Tetrach...	0.504	0.453	0.454	0.465	0.469	0.458	0.467	4.07
39) T	Methylcyclohexane	0.519	0.472	0.484	0.504	0.520	0.522	0.504	4.19
40) TM	Benzene	1.414	1.252	1.248	1.288	1.269	1.253	1.287	4.96
41) T	Methacrylonitrile	0.126	0.176	0.156	0.136	0.149	0.166	0.151	12.41
42) TM	1,2-Dichloroet...	0.448	0.413	0.409	0.422	0.400	0.404	0.416	4.23
43) T	Isopropyl Acetate	0.550	0.489	0.554	0.576	0.556	0.594	0.553	6.46
44) TM	Trichloroethene	0.372	0.334	0.324	0.335	0.331	0.323	0.337	5.35
45) C	1,2-Dichloropr...	0.375	0.339	0.349	0.359	0.352	0.349	0.354	3.45#
46) T	Dibromomethane	0.217	0.188	0.194	0.203	0.193	0.193	0.198	5.36
47) T	Bromodichlorom...	0.493	0.454	0.461	0.484	0.463	0.460	0.469	3.24
48) T	Methyl methacr...	0.231	0.220	0.255	0.269	0.267	0.282	0.254	9.33
49) T	1,4-Dioxane	0.002	0.002	0.003	0.003	0.002	0.003	0.002	8.91
50) S	Toluene-d8	1.169	1.229	1.221	1.232	1.223	1.219	1.216	1.91
51) T	4-Methyl-2-Pen...	0.296	0.277	0.316	0.329	0.305	0.325	0.308	6.33
52) CM	Toluene	0.800	0.743	0.761	0.804	0.793	0.782	0.780	3.08#
53) T	t-1,3-Dichloro...	0.505	0.438	0.473	0.498	0.492	0.498	0.484	5.16
54) T	cis-1,3-Dichlo...	0.558	0.516	0.524	0.549	0.542	0.549	0.540	3.00
55) T	1,1,2-Trichlor...	0.282	0.260	0.269	0.276	0.263	0.267	0.269	3.04
56) T	Ethyl methacry...	0.320	0.310	0.351	0.395	0.380	0.402	0.360	10.84

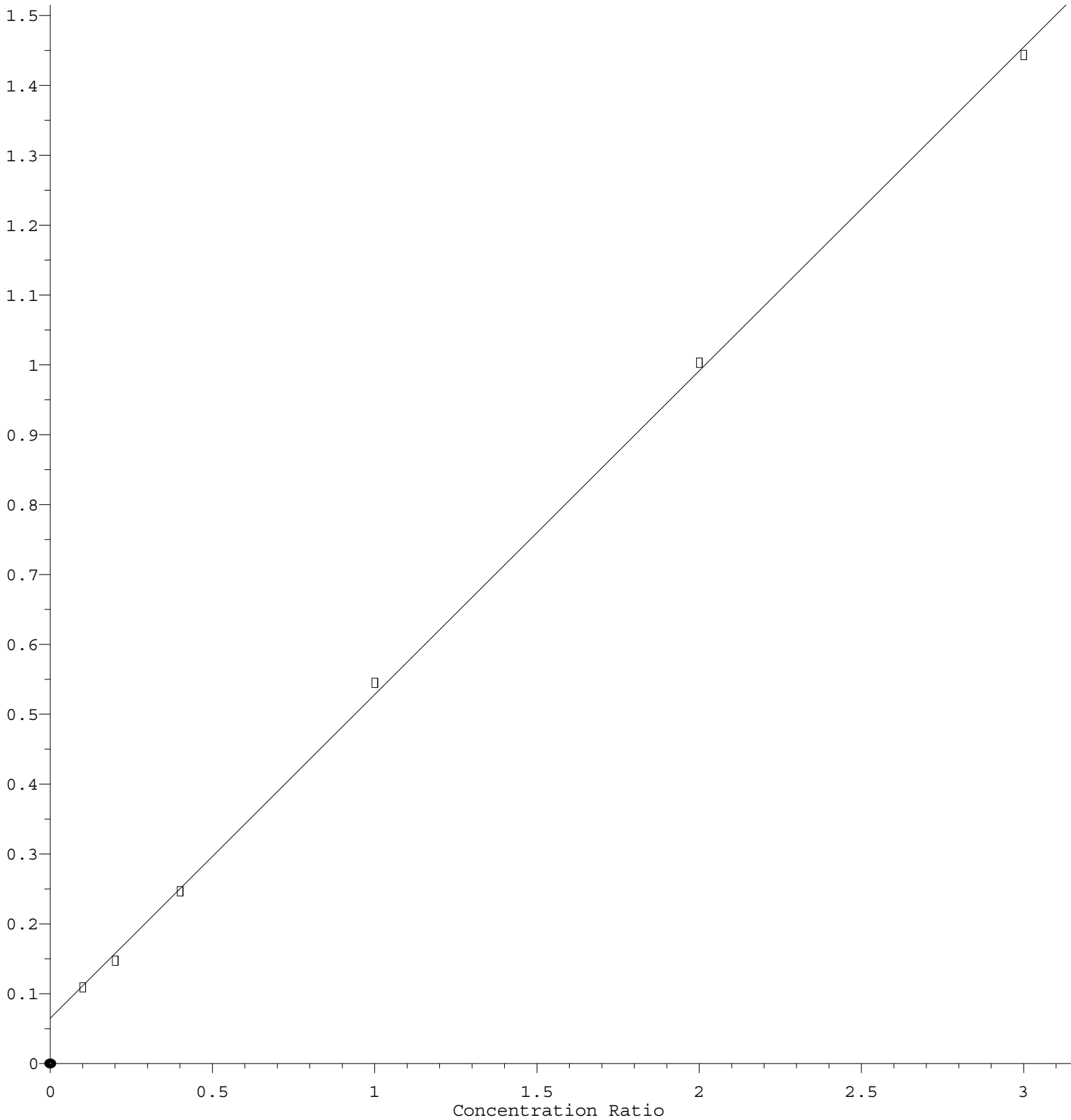
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57)	T	1,3-Dichloropr...	0.487	0.454	0.460	0.474	0.452	0.455	0.464	2.95
58)	T	2-Chloroethyl ...	0.140	0.129	0.140	0.123	0.123	0.127	0.130	5.92
59)	T	2-Hexanone	0.201	0.193	0.231	0.237	0.222	0.231	0.219	8.20
60)	T	Dibromochlorom...	0.338	0.313	0.321	0.336	0.325	0.326	0.327	2.96
61)	T	1,2-Dibromoethane	0.253	0.245	0.256	0.262	0.253	0.256	0.254	2.24
62)	S	4-Bromofluorob...	0.388	0.399	0.406	0.416	0.408	0.405	0.404	2.38
63)	I	Chlorobenzene-d5	-----ISTD-----							
64)	T	Tetrachloroethene	0.354	0.317	0.307	0.311	0.309	0.305	0.317	5.91
65)	PM	Chlorobenzene	1.027	0.940	0.911	0.943	0.933	0.924	0.946	4.33
66)	T	1,1,1,2-Tetrac...	0.390	0.360	0.361	0.371	0.364	0.360	0.368	3.23
67)	C	Ethyl Benzene	1.683	1.572	1.636	1.717	1.748	1.735	1.682	3.99#
68)	T	m/p-Xylenes	0.623	0.589	0.621	0.649	0.652	0.645	0.630	3.83
69)	T	o-Xylene	0.592	0.552	0.589	0.620	0.621	0.620	0.599	4.56
70)	T	Styrene	0.974	0.931	1.015	1.058	1.070	1.058	1.018	5.48
71)	P	Bromoform	0.239	0.237	0.238	0.251	0.245	0.248	0.243	2.34
72)	I	1,4-Dichlorobenzen...	-----ISTD-----							
73)	T	Isopropylbenzene	3.302	3.094	3.241	3.495	3.565	3.613	3.385	6.04
74)	T	N-amyl acetate	1.060	1.001	1.128	1.223	1.202	1.278	1.149	9.15
75)	P	1,1,2,2-Tetrac...	0.815	0.772	0.797	0.828	0.780	0.819	0.802	2.80
76)	T	1,2,3-Trichlor...	0.535	0.521	0.653	0.616	0.643	0.663	0.605	10.26
77)	T	Bromobenzene	0.855	0.762	0.800	0.826	0.827	0.827	0.817	3.89
78)	T	n-propylbenzene	4.068	3.839	4.049	4.334	4.385	4.344	4.170	5.24
79)	T	2-Chlorotoluene	2.364	2.199	2.266	2.405	2.439	2.448	2.353	4.28
80)	T	1,3,5-Trimethy...	2.644	2.595	2.699	2.865	2.904	2.855	2.760	4.73
81)	T	trans-1,4-Dich...	0.247	0.247	0.270	0.287	0.281	0.299	0.272	7.89
82)	T	4-Chlorotoluene	2.516	2.308	2.389	2.499	2.510	2.487	2.451	3.45
83)	T	tert-Butylbenzene	2.219	2.287	2.273	2.476	2.598	2.568	2.404	6.83
84)	T	1,2,4-Trimethy...	2.580	2.520	2.673	2.807	2.857	2.795	2.705	5.02
85)	T	sec-Butylbenzene	3.531	3.382	3.561	3.731	3.826	3.728	3.627	4.52
86)	T	p-Isopropyltol...	2.805	2.738	2.896	3.022	3.094	3.017	2.928	4.75
87)	T	1,3-Dichlorobe...	1.664	1.551	1.564	1.600	1.600	1.559	1.590	2.63
88)	T	1,4-Dichlorobe...	1.749	1.540	1.578	1.597	1.588	1.539	1.598	4.86
89)	T	n-Butylbenzene	2.825	2.630	2.791	2.935	3.080	2.966	2.871	5.48
90)	T	Hexachloroethane	0.646	0.606	0.612	0.614	0.623	0.612	0.619	2.33
91)	T	1,2-Dichlorobe...	1.473	1.334	1.391	1.445	1.444	1.406	1.416	3.50
92)	T	1,2-Dibromo-3-...	0.130	0.123	0.136	0.134	0.126	0.132	0.130	3.74
93)	T	1,2,4-Trichlor...	0.827	0.772	0.842	0.829	0.913	0.857	0.840	5.44
94)	T	Hexachlorobuta...	0.564	0.517	0.536	0.501	0.535	0.479	0.522	5.70
95)	T	Naphthalene	1.495	1.377	1.667	1.703	1.892	1.870	1.667	12.19
96)	T	1,2,3-Trichlor...	0.766	0.705	0.766	0.740	0.810	0.747	0.756	4.61

(#) = Out of Range

Methylene Chloride

Response Ratio



$$\text{Response} = 4.635\text{e-}001 * \text{Amt} + 6.484\text{e-}002$$

Coef of Det (r^2) = 0.999536 Curve Fit: Linear

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Calibration Table Last Updated: Thu May 18 06:54:18 2023