

Method Path : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\
 Method File : 82Y102623S.M
 Title : SW846 8260
 Last Update : Fri Oct 27 04:12:29 2023
 Response Via : Initial Calibration

Calibration Files

5 =VY016075.D 10 =VY016076.D 20 =VY016077.D 50 =VY016078.D 100 =VY016079.D 150 =VY016080.D

	Compound	5	10	20	50	100	150	Avg	%RSD
1) I	Pentafluorobenzene	-----ISTD-----							
2) T	Dichlorodifluo...	0.354	0.347	0.347	0.350	0.346	0.325	0.345	3.03
3) P	Chloromethane	0.439	0.427	0.432	0.433	0.416	0.389	0.423	4.37
4) C	Vinyl Chloride	0.489	0.485	0.487	0.492	0.485	0.462	0.483	2.26#
5) T	Bromomethane	0.365	0.369	0.371	0.357	0.351	0.341	0.359	3.23
6) T	Chloroethane	0.337	0.336	0.339	0.339	0.327	0.307	0.331	3.74
7) T	Trichlorofluor...	0.796	0.786	0.807	0.771	0.756	0.722	0.773	3.97
8) T	Diethyl Ether	0.252	0.265	0.272	0.265	0.259	0.242	0.259	4.09
9) T	1,1,2-Trichlor...	0.480	0.479	0.487	0.461	0.455	0.436	0.466	4.16
10) T	Methyl Iodide	0.562	0.594	0.617	0.629	0.598	0.575	0.596	4.22
11) T	Tert butyl alc...	0.086	0.083	0.083	0.047	0.050	0.044	0.066	31.31
12) CM	1,1-Dichloroet...	0.420	0.432	0.450	0.437	0.421	0.404	0.427	3.69#
13) T	Acrolein	0.060	0.066	0.069	0.058	0.062	0.056	0.062	8.04
14) T	Allyl chloride	0.640	0.683	0.695	0.683	0.668	0.640	0.668	3.51
15) T	Acrylonitrile	0.118	0.131	0.133	0.130	0.131	0.119	0.127	5.17
16) T	Acetone	0.132	0.142	0.143	0.134	0.137	0.121	0.135	5.98
17) T	Carbon Disulfide	1.186	1.205	1.235	1.190	1.162	1.113	1.182	3.51
18) T	Methyl Acetate	0.444	0.487	0.493	0.493	0.494	0.449	0.476	4.95
19) T	Methyl tert-bu...	1.150	1.217	1.254	1.258	1.250	1.180	1.218	3.66
20) T	Methylene Chlo...	0.899	0.716	0.632	0.542	0.509	0.476	0.629	25.25
21) T	trans-1,2-Dich...	0.501	0.497	0.518	0.503	0.486	0.467	0.495	3.46
22) T	Diisopropyl ether	1.386	1.489	1.528	1.524	1.456	1.381	1.460	4.46
23) T	Vinyl Acetate	0.706	0.788	0.825	0.819	0.807	0.750	0.782	5.93
24) P	1,1-Dichloroet...	0.860	0.902	0.920	0.900	0.867	0.830	0.880	3.77
25) T	2-Butanone	0.177	0.190	0.195	0.182	0.183	0.165	0.182	5.73
26) T	2,2-Dichloropr...	0.878	0.834	0.830	0.808	0.793	0.764	0.818	4.78
27) T	cis-1,2-Dichlo...	0.585	0.590	0.602	0.588	0.575	0.550	0.582	3.09
28) T	Bromochloromet...	0.352	0.351	0.379	0.373	0.357	0.347	0.360	3.65
29) T	Tetrahydrofuran	0.092	0.106	0.112	0.109	0.110	0.097	0.104	7.50
30) C	Chloroform	0.916	0.956	0.978	0.943	0.907	0.877	0.929	3.92#
31) T	Cyclohexane	0.891	0.811	0.797	0.757	0.738	0.700	0.782	8.51
32) T	1,1,1-Trichlor...	0.837	0.848	0.873	0.838	0.819	0.786	0.834	3.52
33) S	1,2-Dichloroet...	0.422	0.536	0.533	0.502	0.505	0.485	0.497	8.36
34) I	1,4-Difluorobenzene	-----ISTD-----							
35) S	Dibromofluorom...	0.263	0.340	0.337	0.321	0.321	0.311	0.316	8.82
36) T	1,1-Dichloropr...	0.443	0.450	0.453	0.444	0.433	0.416	0.440	3.13
37) T	Ethyl Acetate	0.212	0.225	0.240	0.232	0.232	0.212	0.226	4.98
38) T	Carbon Tetrach...	0.460	0.465	0.480	0.473	0.466	0.447	0.465	2.48
39) T	Methylcyclohexane	0.514	0.532	0.551	0.547	0.545	0.527	0.536	2.69
40) TM	Benzene	1.217	1.265	1.299	1.278	1.236	1.180	1.246	3.50
41) T	Methacrylonitrile	0.097	0.115	0.130	0.122	0.130	0.115	0.118	10.35
42) TM	1,2-Dichloroet...	0.344	0.369	0.380	0.371	0.359	0.337	0.360	4.67
43) T	Isopropyl Acetate	0.378	0.425	0.442	0.437	0.440	0.407	0.422	5.91
44) TM	Trichloroethene	0.339	0.350	0.369	0.354	0.342	0.333	0.348	3.71
45) C	1,2-Dichloropr...	0.309	0.314	0.329	0.327	0.311	0.301	0.315	3.42#
46) T	Dibromomethane	0.171	0.188	0.198	0.189	0.187	0.175	0.185	5.25
47) T	Bromodichlorom...	0.433	0.442	0.471	0.463	0.446	0.428	0.447	3.78
48) T	Methyl methacr...	0.170	0.191	0.202	0.205	0.207	0.191	0.194	7.04
49) T	1,4-Dioxane	0.002	0.002	0.003	0.002	0.002		0.002	9.60
50) S	Toluene-d8	0.960	1.213	1.245	1.206	1.212	1.180	1.169	8.93
51) T	4-Methyl-2-Pen...	0.191	0.223	0.240	0.235	0.235	0.212	0.222	8.40
52) CM	Toluene	0.765	0.807	0.834	0.830	0.796	0.767	0.800	3.73#
53) T	t-1,3-Dichloro...	0.420	0.450	0.478	0.476	0.473	0.446	0.457	4.93
54) T	cis-1,3-Dichlo...	0.475	0.513	0.539	0.539	0.527	0.509	0.517	4.71
55) T	1,1,2-Trichlor...	0.260	0.263	0.280	0.269	0.259	0.247	0.263	4.18
56) T	Ethyl methacry...	0.278	0.328	0.355	0.360	0.364	0.341	0.338	9.55

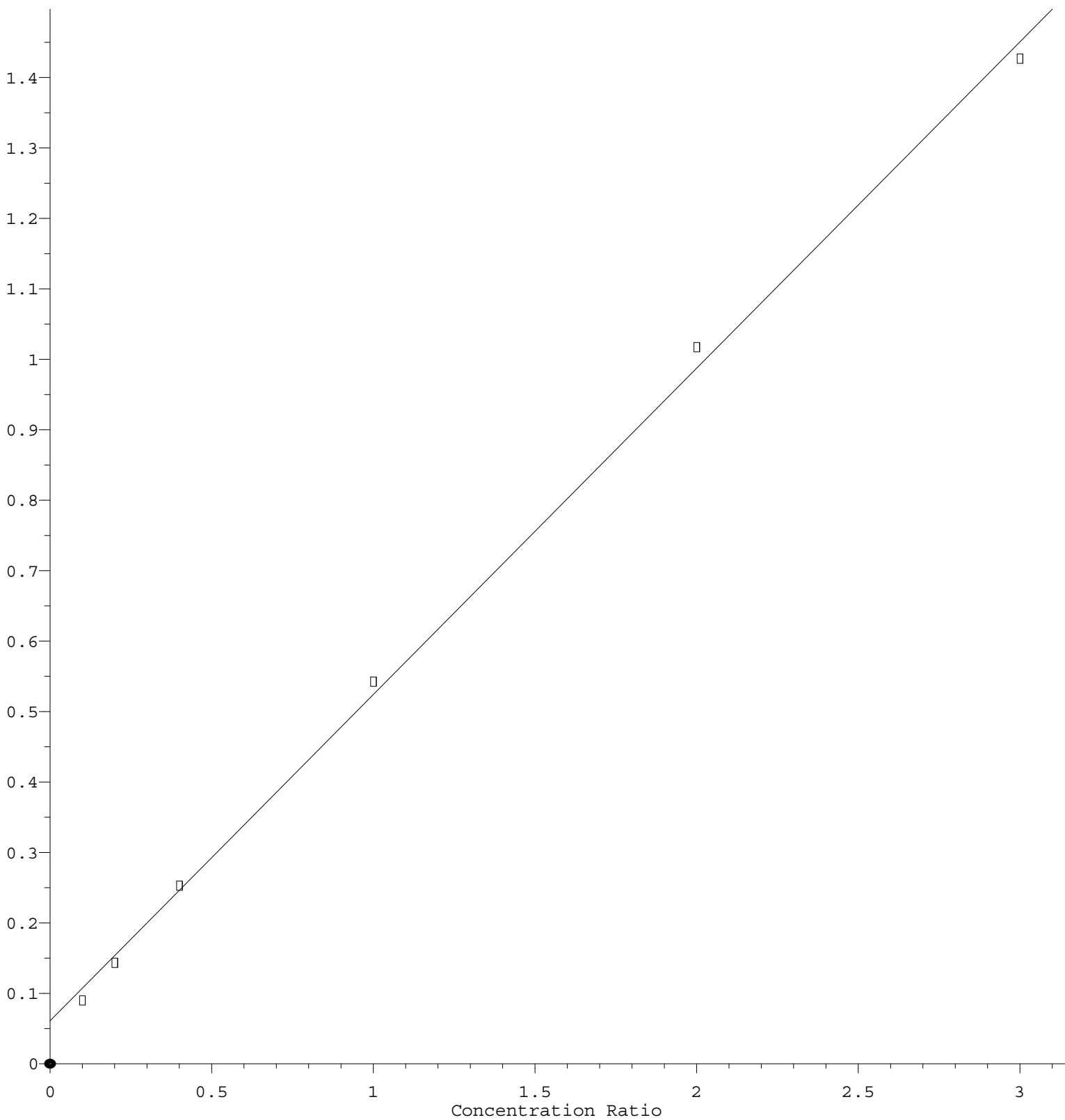
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57)	T	1,3-Dichloropr...	0.411	0.445	0.463	0.455	0.446	0.415	0.439	4.85
58)	T	2-Chloroethyl ...	0.141	0.164	0.186	0.174	0.174	0.168	0.168	8.97
59)	T	2-Hexanone	0.139	0.169	0.178	0.171	0.172	0.154	0.164	8.83
60)	T	Dibromochlorom...	0.305	0.319	0.337	0.332	0.327	0.310	0.322	3.92
61)	T	1,2-Dibromoethane	0.229	0.257	0.267	0.261	0.255	0.240	0.252	5.65
62)	S	4-Bromofluorob...	0.338	0.418	0.418	0.412	0.418	0.402	0.401	7.87
63)	I	Chlorobenzene-d5	-----ISTD-----							
64)	T	Tetrachloroethene	0.323	0.333	0.347	0.332	0.329	0.320	0.331	2.91
65)	PM	Chlorobenzene	0.965	0.978	1.047	1.006	0.968	0.930	0.983	4.08
66)	T	1,1,1,2-Tetrac...	0.346	0.370	0.381	0.385	0.367	0.353	0.367	4.17
67)	C	Ethyl Benzene	1.660	1.726	1.826	1.805	1.758	1.696	1.745	3.64#
68)	T	m/p-Xylenes	0.632	0.669	0.716	0.701	0.681	0.653	0.675	4.57
69)	T	o-Xylene	0.602	0.636	0.683	0.675	0.654	0.630	0.647	4.68
70)	T	Styrene	0.976	1.049	1.140	1.135	1.108	1.058	1.078	5.83
71)	P	Bromoform	0.205	0.219	0.233	0.233	0.233	0.217	0.224	5.20
72)	I	1,4-Dichlorobenzen...	-----ISTD-----							
73)	T	Isopropylbenzene	3.413	3.485	3.662	3.569	3.502	3.482	3.519	2.44
74)	T	N-amyl acetate	0.750	0.825	0.895	0.901	0.917	0.861	0.858	7.28
75)	P	1,1,2,2-Tetrac...	0.687	0.733	0.756	0.727	0.725	0.688	0.719	3.79
76)	T	1,2,3-Trichlor...	0.503	0.524	0.525	0.500	0.523	0.488	0.510	3.05
77)	T	Bromobenzene	0.815	0.810	0.861	0.833	0.818	0.791	0.821	2.90
78)	T	n-propylbenzene	4.143	4.246	4.462	4.323	4.241	4.149	4.261	2.81
79)	T	2-Chlorotoluene	2.369	2.403	2.488	2.396	2.347	2.313	2.386	2.51
80)	T	1,3,5-Trimethy...	2.812	2.912	3.060	2.972	2.912	2.861	2.922	2.97
81)	T	trans-1,4-Dich...	0.207	0.232	0.242	0.238	0.251	0.239	0.235	6.41
82)	T	4-Chlorotoluene	2.435	2.510	2.585	2.504	2.432	2.382	2.475	2.94
83)	T	tert-Butylbenzene	2.487	2.557	2.721	2.670	2.590	2.557	2.597	3.26
84)	T	1,2,4-Trimethy...	2.722	2.911	3.030	2.943	2.877	2.830	2.885	3.62
85)	T	sec-Butylbenzene	3.765	3.852	4.024	3.931	3.863	3.772	3.868	2.54
86)	T	p-Isopropyltol...	3.095	3.202	3.372	3.309	3.229	3.157	3.227	3.12
87)	T	1,3-Dichlorobe...	1.680	1.667	1.728	1.671	1.613	1.591	1.658	2.96
88)	T	1,4-Dichlorobe...	1.676	1.651	1.710	1.645	1.592	1.560	1.639	3.33
89)	T	n-Butylbenzene	2.862	2.999	3.136	3.060	3.030	2.977	3.011	3.04
90)	T	Hexachloroethane	0.616	0.625	0.645	0.637	0.628	0.618	0.628	1.75
91)	T	1,2-Dichlorobe...	1.432	1.498	1.533	1.496	1.442	1.408	1.468	3.25
92)	T	1,2-Dibromo-3-...	0.105	0.115	0.121	0.113	0.116	0.109	0.113	5.01
93)	T	1,2,4-Trichlor...	0.854	0.904	0.906	0.930	0.931	0.925	0.908	3.20
94)	T	Hexachlorobuta...	0.507	0.540	0.548	0.529	0.520	0.519	0.527	2.83
95)	T	Naphthalene	1.520	1.679	1.761	1.856	1.930	1.883	1.771	8.62
96)	T	1,2,3-Trichlor...	0.725	0.783	0.779	0.804	0.809	0.799	0.783	3.93

(#) = Out of Range

Methylene Chloride

Response Ratio



$$\text{Response} = 4.634\text{e-}001 * \text{Amt} + 6.122\text{e-}002$$

Coef of Det (r^2) = 0.998449 Curve Fit: Linear

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Calibration Table Last Updated: Fri Oct 27 04:12:29 2023