

Method Path : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\
 Method File : 82Y070924S.M
 Title : SW846 8260
 Last Update : Tue Jul 09 14:28:51 2024
 Response Via : Initial Calibration

Calibration Files

5 =VY018749.D 10 =VY018750.D 20 =VY018751.D 50 =VY018752.D 100 =VY018753.D 150 =VY018754.D

	Compound	5	10	20	50	100	150	Avg	%RSD
1) I	Pentafluorobenzene	-----ISTD-----							
2) T	Dichlorodifluo...	0.449	0.376	0.450	0.451	0.411	0.376	0.419	8.69
3) P	Chloromethane	0.659	0.622	0.671	0.653	0.591	0.625	0.637	4.65
4) C	Vinyl Chloride	0.768	0.718	0.801	0.783	0.706	0.693	0.745	6.03#
5) T	Bromomethane	0.591	0.535	0.522	0.485	0.478	0.463	0.512	9.22
6) T	Chloroethane	0.560	0.469	0.498	0.482	0.453	0.441	0.484	8.76
7) T	Trichlorofluor...	1.011	0.892	1.056	1.036	0.939	0.906	0.973	7.17
8) T	Diethyl Ether	0.253	0.224	0.242	0.242	0.219	0.243	0.237	5.50
9) T	1,1,2-Trichlor...	0.550	0.461	0.542	0.534	0.466	0.442	0.499	9.61
10) T	Methyl Iodide	0.468	0.443	0.568	0.600	0.585	0.563	0.538	12.19
11) T	Tert butyl alc...	0.076	0.065	0.056	0.037	0.029	0.035	0.050	37.73
12) CM	1,1-Dichloroet...	0.533	0.453	0.503	0.496	0.459	0.455	0.483	6.81#
13) T	Acrolein	0.045	0.041	0.041	0.037	0.035	0.040	0.040	8.70
14) T	Allyl chloride	0.617	0.520	0.633	0.609	0.594	0.618	0.598	6.79
15) T	Acrylonitrile	0.099	0.093	0.096	0.095	0.083	0.095	0.094	6.13
16) T	Acetone	0.101	0.085	0.088	0.089	0.083	0.098	0.091	7.93
17) T	Carbon Disulfide	1.367	1.252	1.427	1.425	1.316	1.328	1.353	5.03
18) T	Methyl Acetate	0.271	0.296	0.278	0.244	0.238	0.255	0.264	8.30
19) T	Methyl tert-bu...	1.142	1.100	1.142	1.156	1.032	1.150	1.121	4.24
20) T	Methylene Chlo...	0.879	0.670	0.611	0.536	0.481	0.480	0.610	24.87
21) T	trans-1,2-Dich...	0.544	0.477	0.519	0.528	0.493	0.499	0.510	4.86
22) T	Diisopropyl ether	1.329	1.245	1.326	1.293	1.257	1.361	1.302	3.45
23) T	Vinyl Acetate	1.023	0.948	1.037	1.071	0.955	1.119	1.026	6.47
24) P	1,1-Dichloroet...	0.890	0.789	0.840	0.834	0.802	0.831	0.831	4.26
25) T	2-Butanone	0.140	0.120	0.128	0.128	0.111	0.136	0.127	8.33
26) T	2,2-Dichloropr...	0.804	0.703	0.794	0.780	0.760	0.786	0.771	4.75
27) T	cis-1,2-Dichlo...	0.624	0.566	0.622	0.592	0.569	0.589	0.594	4.24
28) T	Bromochloromet...	0.329	0.357	0.332	0.334	0.316	0.334	0.334	3.97
29) T	Tetrahydrofuran	0.080	0.079	0.079	0.081	0.067	0.081	0.078	6.80
30) C	Chloroform	0.989	0.862	0.949	0.929	0.906	0.923	0.926	4.60#
31) T	Cyclohexane	0.938	0.762	0.768	0.755	0.677	0.636	0.756	13.76
32) T	1,1,1-Trichlor...	0.832	0.794	0.926	0.904	0.847	0.866	0.861	5.61
33) S	1,2-Dichloroet...	0.467	0.487	0.486	0.521	0.473	0.518	0.492	4.59
34) I	1,4-Difluorobenzene	-----ISTD-----							
35) S	Dibromofluorom...	0.284	0.302	0.302	0.344	0.314	0.333	0.313	7.08
36) T	1,1-Dichloropr...	0.456	0.406	0.452	0.458	0.413	0.408	0.432	5.96
37) T	Ethyl Acetate	0.188	0.182	0.177	0.195	0.153	0.184	0.180	8.04
38) T	Carbon Tetrach...	0.509	0.479	0.541	0.566	0.515	0.512	0.521	5.76
39) T	Methylcyclohexane	0.560	0.538	0.580	0.602	0.534	0.509	0.554	6.05
40) TM	Benzene	1.267	1.175	1.310	1.295	1.221	1.255	1.254	3.96
41) T	Methacrylonitrile	0.122	0.091	0.106	0.099	0.098	0.099	0.102	10.49
42) TM	1,2-Dichloroet...	0.357	0.341	0.363	0.364	0.325	0.356	0.351	4.25
43) T	Isopropyl Acetate	0.370	0.350	0.355	0.375	0.319	0.375	0.357	6.09
44) TM	Trichloroethene	0.364	0.331	0.384	0.369	0.345	0.356	0.358	5.22
45) C	1,2-Dichloropr...	0.275	0.250	0.296	0.282	0.262	0.273	0.273	5.75#
46) T	Dibromomethane	0.179	0.166	0.183	0.189	0.165	0.180	0.177	5.40
47) T	Bromodichlorom...	0.437	0.405	0.451	0.464	0.433	0.461	0.442	4.95
48) T	Methyl methacr...	0.157	0.158	0.168	0.172	0.143	0.177	0.162	7.43
49) T	1,4-Dioxane	0.003	0.002	0.002	0.002	0.002	0.002	0.002	14.54
50) S	Toluene-d8	1.119	1.145	1.125	1.316	1.189	1.225	1.186	6.35
51) T	4-Methyl-2-Pen...	0.184	0.176	0.181	0.196	0.160	0.198	0.182	7.70
52) CM	Toluene	0.850	0.780	0.865	0.865	0.810	0.829	0.833	4.07#
53) T	t-1,3-Dichloro...	0.367	0.339	0.386	0.399	0.382	0.416	0.382	6.99
54) T	cis-1,3-Dichlo...	0.424	0.407	0.464	0.474	0.446	0.472	0.448	6.11
55) T	1,1,2-Trichlor...	0.233	0.219	0.230	0.233	0.202	0.227	0.224	5.24
56) T	Ethyl methacry...	0.291	0.269	0.301	0.314	0.275	0.320	0.295	7.01

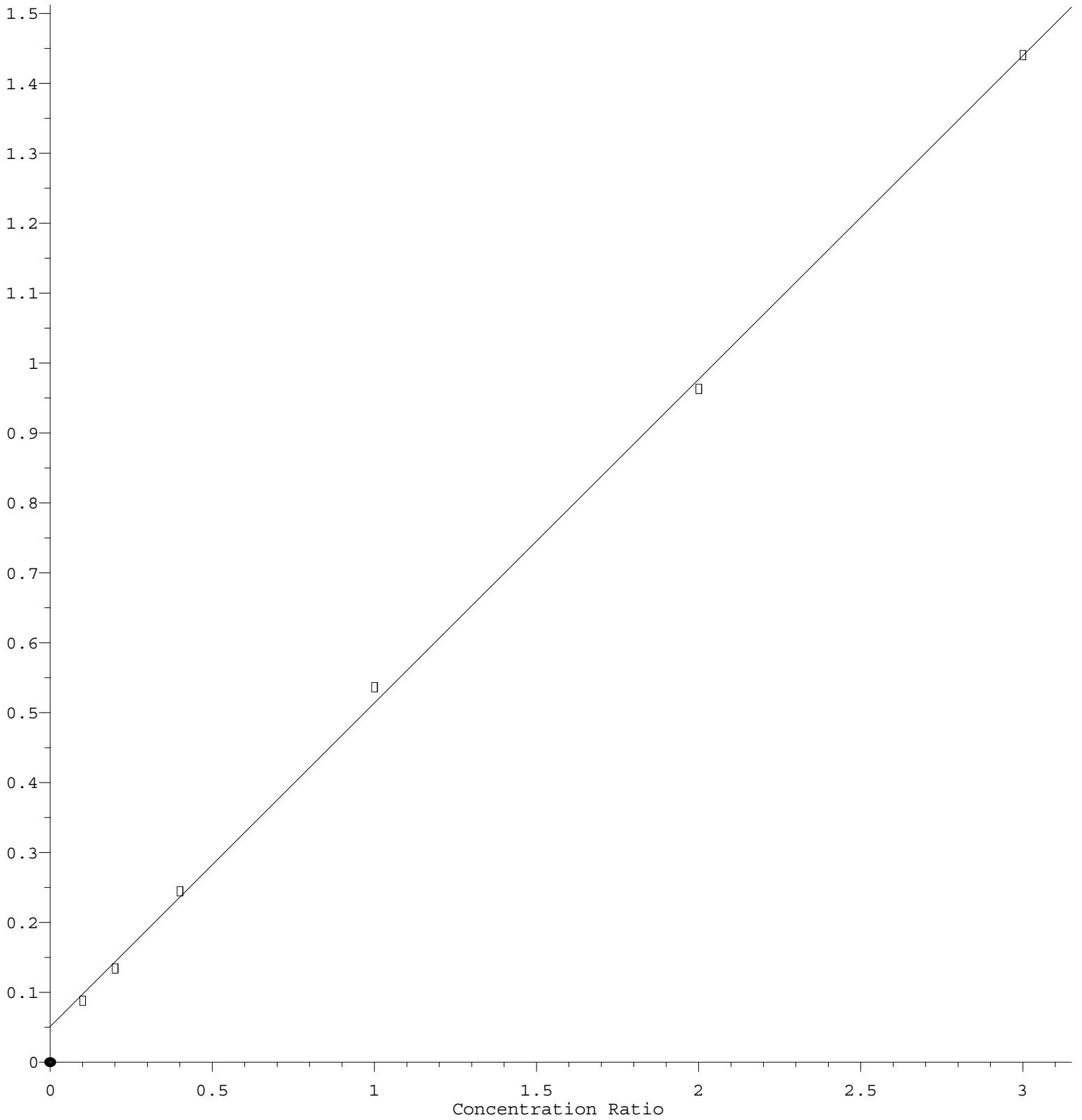
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57)	T	1,3-Dichloropr...	0.367	0.356	0.388	0.388	0.348	0.382	0.371	4.66
58)	T	2-Chloroethyl ...	0.143	0.129	0.133	0.160	0.136	0.144	0.141	7.83
59)	T	2-Hexanone	0.122	0.122	0.126	0.139	0.113	0.144	0.128	8.96
60)	T	Dibromochlorom...	0.297	0.289	0.310	0.324	0.298	0.328	0.308	5.10
61)	T	1,2-Dibromoethane	0.216	0.209	0.226	0.234	0.202	0.220	0.218	5.33
62)	S	4-Bromofluorob...	0.402	0.387	0.386	0.437	0.397	0.422	0.405	5.03
-----ISTD-----										
63)	I	Chlorobenzene-d5								
64)	T	Tetrachloroethene	0.439	0.379	0.427	0.434	0.361	0.387	0.405	8.10
65)	PM	Chlorobenzene	1.111	0.946	1.104	1.099	1.022	1.046	1.055	6.07
66)	T	1,1,1,2-Tetrac...	0.363	0.342	0.358	0.380	0.364	0.374	0.363	3.68
67)	C	Ethyl Benzene	1.861	1.658	1.937	1.933	1.837	1.860	1.848	5.50#
68)	T	m/p-Xylenes	0.745	0.645	0.756	0.764	0.713	0.726	0.725	5.97
69)	T	o-Xylene	0.682	0.626	0.696	0.722	0.669	0.695	0.682	4.79
70)	T	Styrene	1.162	1.000	1.160	1.197	1.126	1.179	1.137	6.26
71)	P	Bromoform	0.195	0.180	0.191	0.213	0.196	0.213	0.198	6.55
-----ISTD-----										
72)	I	1,4-Dichlorobenzen...								
73)	T	Isopropylbenzene	3.544	3.500	3.878	3.917	3.573	3.544	3.659	5.09
74)	T	N-amyl acetate	0.689	0.684	0.737	0.845	0.695	0.840	0.748	10.05
75)	P	1,1,2,2-Tetrac...	0.612	0.571	0.593	0.608	0.520	0.557	0.577	6.06
76)	T	1,2,3-Trichlor...	0.429	0.372	0.382	0.384	0.340	0.442	0.392	9.62
77)	T	Bromobenzene	0.908	0.835	0.893	0.912	0.843	0.850	0.874	3.96
78)	T	n-propylbenzene	4.409	3.977	4.641	4.636	4.237	4.173	4.346	6.11
79)	T	2-Chlorotoluene	2.421	2.384	2.581	2.541	2.368	2.365	2.443	3.86
80)	T	1,3,5-Trimethy...	2.928	2.804	3.180	3.182	2.943	2.929	2.994	5.11
81)	T	trans-1,4-Dich...	0.177	0.159	0.167	0.195	0.161	0.190	0.175	8.74
82)	T	4-Chlorotoluene	2.604	2.327	2.628	2.638	2.446	2.454	2.516	5.02
83)	T	tert-Butylbenzene	2.762	2.593	2.911	2.903	2.744	2.673	2.764	4.54
84)	T	1,2,4-Trimethy...	2.985	2.769	3.092	3.116	2.922	2.969	2.975	4.22
85)	T	sec-Butylbenzene	3.900	3.763	4.149	4.276	3.802	3.651	3.924	6.15
86)	T	p-Isopropyltol...	3.367	3.114	3.526	3.622	3.350	3.345	3.387	5.16
87)	T	1,3-Dichlorobe...	1.759	1.593	1.771	1.804	1.651	1.717	1.716	4.66
88)	T	1,4-Dichlorobe...	1.775	1.650	1.787	1.766	1.603	1.622	1.701	4.96
89)	T	n-Butylbenzene	3.175	2.861	3.239	3.343	2.952	2.855	3.071	6.80
90)	T	Hexachloroethane	0.629	0.566	0.646	0.676	0.637	0.626	0.630	5.74
91)	T	1,2-Dichlorobe...	1.548	1.438	1.557	1.542	1.374	1.434	1.482	5.17
92)	T	1,2-Dibromo-3-...	0.111	0.088	0.085	0.107	0.078	0.092	0.093	13.77
93)	T	1,2,4-Trichlor...	0.871	0.870	0.955	0.996	0.832	0.904	0.905	6.73
94)	T	Hexachlorobuta...	0.544	0.486	0.577	0.585	0.478	0.459	0.521	10.46
95)	T	Naphthalene	1.460	1.411	1.570	1.763	1.414	1.694	1.552	9.64
96)	T	1,2,3-Trichlor...	0.795	0.705	0.811	0.851	0.702	0.780	0.774	7.70

(#) = Out of Range

Methylene Chloride

Response Ratio



$$\text{Response} = 4.627\text{e-}001 * \text{Amt} + 5.100\text{e-}002$$

Coef of Det (r^2) = 0.999344 Curve Fit: Linear

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Calibration Table Last Updated: Tue Jul 09 14:28:51 2024