

Method Path : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\
 Method File : 82Y041624S.M
 Title : SW846 8260
 Last Update : Wed Apr 17 06:24:42 2024
 Response Via : Initial Calibration

Calibration Files

5 =VY017940.D 10 =VY017941.D 20 =VY017942.D 50 =VY017943.D 100 =VY017944.D 150 =VY017945.D

	Compound	5	10	20	50	100	150	Avg	%RSD
1) I	Pentafluorobenzene	-----ISTD-----							
2) T	Dichlorodifluo...	0.446	0.426	0.415	0.385	0.358	0.349	0.397	9.72
3) P	Chloromethane	0.804	0.709	0.669	0.622	0.578	0.561	0.657	13.80
4) C	Vinyl Chloride	0.857	0.781	0.736	0.744	0.683	0.644	0.741	10.10#
5) T	Bromomethane	0.533	0.498	0.478	0.496	0.474	0.479	0.493	4.44
6) T	Chloroethane	0.532	0.488	0.462	0.462	0.437	0.425	0.468	8.19
7) T	Trichlorofluor...	0.898	0.892	0.838	0.840	0.779	0.763	0.835	6.68
8) T	Diethyl Ether	0.288	0.256	0.252	0.266	0.263	0.258	0.264	4.81
9) T	1,1,2-Trichlor...	0.561	0.550	0.517	0.525	0.490	0.477	0.520	6.26
10) T	Methyl Iodide	0.703	0.667	0.682	0.715	0.689	0.694	0.692	2.40
11) T	Tert butyl alc...	0.044	0.037	0.032	0.031	0.031	0.029	0.034	16.15
12) CM	1,1-Dichloroet...	0.531	0.512	0.503	0.513	0.488	0.480	0.505	3.65#
13) T	Acrolein	0.035	0.032	0.029	0.033	0.036	0.036	0.034	7.77
14) T	Allyl chloride	0.691	0.640	0.642	0.676	0.639	0.632	0.653	3.69
15) T	Acrylonitrile	0.115	0.102	0.103	0.109	0.109	0.104	0.107	4.57
16) T	Acetone	0.100	0.082	0.075	0.089	0.086	0.081	0.085	9.73
17) T	Carbon Disulfide	1.765	1.674	1.606	1.609	1.511	1.470	1.606	6.68
18) T	Methyl Acetate	0.290	0.222	0.214	0.212	0.213	0.199	0.225	14.63
19) T	Methyl tert-bu...	1.127	1.022	1.039	1.148	1.141	1.124	1.100	4.99
20) T	Methylene Chlo...	0.658	0.642	0.558	0.557	0.539	0.521	0.579	9.77
21) T	trans-1,2-Dich...	0.595	0.546	0.541	0.564	0.540	0.533	0.553	4.16
22) T	Diisopropyl ether	1.435	1.413	1.422	1.504	1.427	1.391	1.432	2.69
23) T	Vinyl Acetate	0.825	0.797	0.820	0.904	0.889	0.858	0.849	4.93
24) P	1,1-Dichloroet...	0.997	0.940	0.912	0.957	0.908	0.895	0.935	4.03
25) T	2-Butanone	0.128	0.119	0.118	0.132	0.132	0.125	0.126	4.98
26) T	2,2-Dichloropr...	0.781	0.754	0.728	0.774	0.735	0.728	0.750	3.11
27) T	cis-1,2-Dichlo...	0.645	0.608	0.612	0.654	0.634	0.636	0.631	2.89
28) T	Bromochloromet...	0.413	0.383	0.340	0.375	0.345	0.352	0.368	7.58
29) T	Tetrahydrofuran	0.082	0.075	0.077	0.083	0.084	0.079	0.080	4.44
30) C	Chloroform	1.041	0.960	0.934	0.963	0.921	0.914	0.956	4.86#
31) T	Cyclohexane	0.936	0.865	0.825	0.830	0.765	0.742	0.827	8.46
32) T	1,1,1-Trichlor...	0.838	0.799	0.781	0.816	0.770	0.770	0.796	3.46
33) S	1,2-Dichloroet...	0.465	0.435	0.383	0.454	0.434	0.425	0.433	6.60
34) I	1,4-Difluorobenzene	-----ISTD-----							
35) S	Dibromofluorom...	0.312	0.291	0.281	0.333	0.315	0.319	0.308	6.16
36) T	1,1-Dichloropr...	0.443	0.451	0.448	0.472	0.439	0.438	0.449	2.82
37) T	Ethyl Acetate	0.187	0.171	0.181	0.192	0.193	0.183	0.185	4.42
38) T	Carbon Tetrach...	0.451	0.443	0.446	0.477	0.448	0.453	0.453	2.71
39) T	Methylcyclohexane	0.540	0.571	0.579	0.634	0.591	0.593	0.585	5.30
40) TM	Benzene	1.422	1.369	1.393	1.472	1.387	1.388	1.405	2.63
41) T	Methacrylonitrile	0.109	0.110	0.114	0.122	0.121	0.122	0.116	5.35
42) TM	1,2-Dichloroet...	0.330	0.314	0.315	0.333	0.321	0.318	0.322	2.49
43) T	Isopropyl Acetate	0.340	0.317	0.323	0.364	0.363	0.356	0.344	5.91
44) TM	Trichloroethene	0.351	0.352	0.349	0.373	0.356	0.362	0.357	2.53
45) C	1,2-Dichloropr...	0.334	0.313	0.317	0.339	0.319	0.319	0.323	3.30#
46) T	Dibromomethane	0.180	0.169	0.172	0.187	0.184	0.183	0.179	3.94
47) T	Bromodichlorom...	0.446	0.435	0.432	0.473	0.452	0.455	0.449	3.32
48) T	Methyl methacr...	0.143	0.146	0.152	0.170	0.169	0.167	0.158	7.63
49) T	1,4-Dioxane	0.002	0.002	0.002	0.002	0.002	0.002	0.002	6.84
50) S	Toluene-d8	1.110	1.118	1.049	1.293	1.223	1.229	1.170	7.86
51) T	4-Methyl-2-Pen...	0.176	0.166	0.173	0.196	0.195	0.188	0.182	6.91
52) CM	Toluene	0.810	0.834	0.854	0.918	0.879	0.879	0.862	4.39#
53) T	t-1,3-Dichloro...	0.381	0.376	0.393	0.438	0.434	0.436	0.410	7.14
54) T	cis-1,3-Dichlo...	0.478	0.479	0.486	0.537	0.518	0.522	0.503	5.05
55) T	1,1,2-Trichlor...	0.237	0.239	0.235	0.254	0.247	0.247	0.243	2.94
56) T	Ethyl methacry...	0.269	0.275	0.301	0.348	0.357	0.352	0.317	12.72

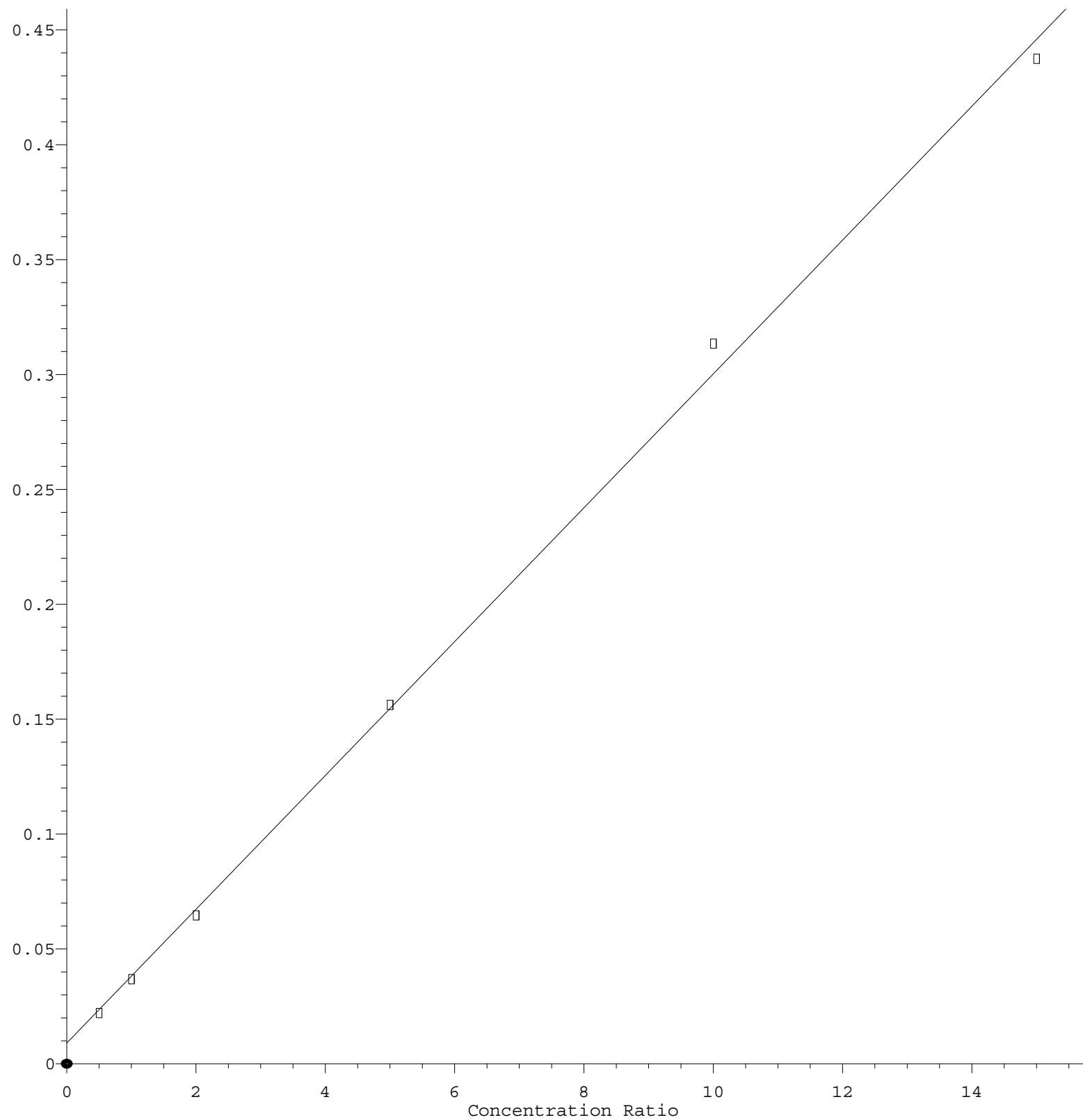
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57)	T	1,3-Dichloropr...	0.409	0.396	0.402	0.432	0.418	0.415	0.412	3.06
58)	T	2-Chloroethyl ...	0.145	0.152	0.160	0.174	0.179	0.178	0.165	8.80
59)	T	2-Hexanone	0.109	0.111	0.119	0.137	0.139	0.133	0.125	10.78
60)	T	Dibromochlorom...	0.300	0.298	0.295	0.330	0.324	0.329	0.313	5.37
61)	T	1,2-Dibromoethane	0.220	0.212	0.219	0.239	0.235	0.235	0.227	4.87
62)	S	4-Bromofluorob...	0.350	0.333	0.320	0.400	0.386	0.386	0.363	8.97
-----ISTD-----										
63)	I	Chlorobenzene-d5								
64)	T	Tetrachloroethene	0.343	0.351	0.356	0.379	0.357	0.363	0.358	3.44
65)	PM	Chlorobenzene	1.092	1.070	1.086	1.142	1.094	1.090	1.096	2.19
66)	T	1,1,1,2-Tetrac...	0.351	0.344	0.353	0.377	0.369	0.374	0.361	3.78
67)	C	Ethyl Benzene	1.719	1.758	1.818	1.990	1.894	1.892	1.845	5.41#
68)	T	m/p-Xylenes	0.644	0.678	0.709	0.765	0.728	0.728	0.709	5.97
69)	T	o-Xylene	0.590	0.616	0.654	0.717	0.694	0.699	0.662	7.63
70)	T	Styrene	0.957	1.035	1.097	1.233	1.197	1.192	1.119	9.63
71)	P	Bromoform	0.202	0.199	0.197	0.222	0.219	0.214	0.209	5.15
-----ISTD-----										
72)	I	1,4-Dichlorobenzen...								
73)	T	Isopropylbenzene	3.328	3.580	3.609	3.894	3.720	3.729	3.643	5.22
74)	T	N-amyl acetate	0.663	0.676	0.698	0.785	0.801	0.788	0.735	8.53
75)	P	1,1,2,2-Tetrac...	0.705	0.677	0.665	0.693	0.678	0.659	0.679	2.53
76)	T	1,2,3-Trichlor...	0.496	0.475	0.460	0.476	0.463	0.445	0.469	3.67
77)	T	Bromobenzene	0.858	0.836	0.846	0.929	0.904	0.917	0.882	4.51
78)	T	n-propylbenzene	4.101	4.353	4.446	4.768	4.429	4.427	4.420	4.84
79)	T	2-Chlorotoluene	2.398	2.422	2.454	2.601	2.475	2.496	2.474	2.89
80)	T	1,3,5-Trimethy...	2.608	2.795	2.905	3.124	2.940	2.962	2.889	6.01
81)	T	trans-1,4-Dich...	0.212	0.217	0.216	0.240	0.241	0.238	0.228	6.02
82)	T	4-Chlorotoluene	2.490	2.539	2.559	2.701	2.530	2.556	2.563	2.81
83)	T	tert-Butylbenzene	2.370	2.541	2.596	2.850	2.717	2.758	2.639	6.53
84)	T	1,2,4-Trimethy...	2.585	2.777	2.857	3.097	2.945	3.001	2.877	6.30
85)	T	sec-Butylbenzene	3.725	3.932	3.928	4.263	3.979	3.953	3.963	4.35
86)	T	p-Isopropyltol...	2.857	3.140	3.249	3.532	3.352	3.409	3.257	7.29
87)	T	1,3-Dichlorobe...	1.737	1.696	1.696	1.822	1.759	1.786	1.749	2.86
88)	T	1,4-Dichlorobe...	1.767	1.711	1.666	1.772	1.681	1.706	1.717	2.56
89)	T	n-Butylbenzene	2.811	3.011	3.032	3.333	3.097	3.098	3.064	5.51
90)	T	Hexachloroethane	0.667	0.650	0.659	0.692	0.661	0.677	0.668	2.22
91)	T	1,2-Dichlorobe...	1.512	1.468	1.469	1.584	1.507	1.515	1.509	2.79
92)	T	1,2-Dibromo-3-...	0.091	0.084	0.083	0.089	0.090	0.087	0.087	3.99
93)	T	1,2,4-Trichlor...	0.828	0.835	0.810	0.918	0.928	0.955	0.879	7.04
94)	T	Hexachlorobuta...	0.513	0.529	0.501	0.542	0.513	0.530	0.521	2.87
95)	T	Naphthalene	1.225	1.250	1.307	1.563	1.663	1.682	1.448	14.58
96)	T	1,2,3-Trichlor...	0.690	0.682	0.690	0.777	0.787	0.800	0.737	7.53

(#) = Out of Range

Tert butyl alcohol

Response Ratio



$$\text{Response} = 2.913\text{e-}002 * \text{Amt} + 9.104\text{e-}003$$

Coef of Det (r^2) = 0.998189 Curve Fit: Linear

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Calibration Table Last Updated: Wed Apr 17 06:24:42 2024