

Method Path : Z:\voasrv\HPCHEM1\MSVOA_X\Method\
 Method File : 82X031023W.M
 Title : SW846 8260
 Last Update : Mon Mar 13 10:29:32 2023
 Response Via : Initial Calibration

Calibration Files

1 =VX034410.D 5 =VX034417.D 20 =VX034412.D 50 =VX034419.D 100 =VX034414.D 150 =VX034415.D

	Compound	1	5	20	50	100	150	Avg	%RSD
1) I	Pentafluorobenzene	-----ISTD-----							
2) T	Dichlorodifluo...	0.490	0.448	0.477	0.483	0.443	0.456	0.466	4.22
3) P	Chloromethane	1.359	0.774	0.821	0.707	0.673	0.703	0.839	31.01
4) C	Vinyl Chloride	0.719	0.613	0.682	0.644	0.567	0.583	0.635	9.25#
5) T	Bromomethane		0.370	0.336	0.351	0.265	0.279	0.320	14.42
6) T	Chloroethane	0.382	0.360	0.427	0.389	0.304	0.331	0.365	11.93
7) T	Trichlorofluor...	1.003	0.953	1.017	1.006	0.865	0.878	0.954	7.08
8) T	Diethyl Ether	0.369	0.331	0.376	0.354	0.315	0.343	0.348	6.62
9) T	1,1,2-Trichlor...	0.582	0.557	0.559	0.584	0.525	0.528	0.556	4.55
10) T	Methyl Iodide		0.677	0.708	0.743	0.735	0.786	0.730	5.58
11) T	Tert butyl alc...		0.170	0.155	0.135	0.144	0.153	0.151	8.63
12) CM	1,1-Dichloroet...	0.587	0.541	0.558	0.550	0.516	0.533	0.547	4.40#
13) T	Acrolein		0.134	0.105	0.110	0.111	0.138	0.120	12.60
14) T	Allyl chloride	1.205	1.080	1.099	1.086	1.059	1.129	1.110	4.68
15) T	Acrylonitrile	0.312	0.316	0.349	0.331	0.316	0.339	0.327	4.62
16) T	Acetone	0.393	0.332	0.328	0.342	0.322	0.340	0.343	7.49
17) T	Carbon Disulfide	1.647	1.630	1.504	1.504	1.440	1.518	1.540	5.23
18) T	Methyl Acetate	1.163	1.047	1.148	1.096	1.082	1.181	1.120	4.69
19) T	Methyl tert-bu...	1.967	1.861	2.011	1.973	1.904	2.043	1.960	3.43
20) T	Methylene Chlo...	0.791	0.661	0.655	0.633	0.601	0.649	0.665	9.85
21) T	trans-1,2-Dich...	0.539	0.602	0.596	0.609	0.559	0.582	0.581	4.66
22) T	Diisopropyl ether	2.174	2.052	2.224	2.193	1.960	2.091	2.116	4.73
23) T	Vinyl Acetate	1.555	1.544	1.723	1.686	1.527	1.626	1.610	5.05
24) P	1,1-Dichloroet...	1.129	1.105	1.168	1.158	1.099	1.165	1.137	2.70
25) T	2-Butanone	0.477	0.473	0.512	0.501	0.475	0.504	0.490	3.52
26) T	2,2-Dichloropr...	0.972	0.956	0.975	1.008	0.992	1.028	0.989	2.65
27) T	cis-1,2-Dichlo...	0.692	0.704	0.720	0.711	0.663	0.709	0.700	2.88
28) T	Bromochloromet...	0.502	0.489	0.573	0.547	0.503	0.559	0.529	6.70
29) T	Tetrahydrofuran	0.296	0.288	0.326	0.307	0.288	0.311	0.303	4.97
30) C	Chloroform	1.043	1.064	1.145	1.169	1.098	1.170	1.115	4.91#
31) T	Cyclohexane		1.046	1.064	1.079	0.963	0.949	1.020	5.87
32) T	1,1,1-Trichlor...	0.947	0.935	0.995	1.030	0.988	1.027	0.987	4.03
33) S	1,2-Dichloroet...		0.714	0.749	0.645	0.719	0.810	0.727	8.24
34) I	1,4-Difluorobenzene	-----ISTD-----							
35) S	Dibromofluorom...		0.322	0.355	0.308	0.320	0.346	0.330	5.96
36) T	1,1-Dichloropr...	0.539	0.492	0.508	0.542	0.479	0.482	0.507	5.53
37) T	Ethyl Acetate	0.579	0.506	0.587	0.573	0.525	0.553	0.554	5.85
38) T	Carbon Tetrach...	0.488	0.481	0.510	0.542	0.499	0.507	0.504	4.25
39) T	Methylcyclohexane	0.591	0.626	0.627	0.673	0.579	0.545	0.607	7.35
40) TM	Benzene	1.542	1.484	1.548	1.556	1.374	1.397	1.483	5.42
41) T	Methacrylonitrile	0.300	0.288	0.317	0.314	0.288	0.315	0.304	4.42
42) TM	1,2-Dichloroet...	0.504	0.522	0.562	0.576	0.541	0.567	0.545	5.16
43) T	Isopropyl Acetate	0.907	0.872	0.989	0.988	0.913	0.962	0.938	5.13
44) TM	Trichloroethene	0.404	0.386	0.392	0.404	0.357	0.369	0.385	4.88
45) C	1,2-Dichloropr...	0.386	0.376	0.409	0.409	0.365	0.379	0.387	4.65#
46) T	Dibromomethane	0.246	0.264	0.274	0.274	0.253	0.269	0.263	4.36
47) T	Bromodichlorom...	0.459	0.472	0.526	0.549	0.513	0.538	0.510	7.12
48) T	Methyl methacr...	0.418	0.428	0.466	0.480	0.444	0.471	0.451	5.56
49) T	1,4-Dioxane	0.009	0.009	0.010	0.010	0.009	0.009	0.009	5.68
50) S	Toluene-d8		1.246	1.348	1.181	1.162	1.225	1.232	5.89
51) T	4-Methyl-2-Pen...	0.516	0.528	0.605	0.578	0.504	0.535	0.544	7.19
52) CM	Toluene	0.897	0.912	0.970	0.984	0.862	0.885	0.918	5.29#
53) T	t-1,3-Dichloro...	0.488	0.514	0.589	0.636	0.591	0.626	0.574	10.48
54) T	cis-1,3-Dichlo...	0.556	0.587	0.642	0.677	0.620	0.646	0.621	7.05
55) T	1,1,2-Trichlor...	0.335	0.346	0.397	0.393	0.348	0.368	0.364	7.12
56) T	Ethyl methacry...	0.561	0.536	0.626	0.650	0.586	0.631	0.598	7.45

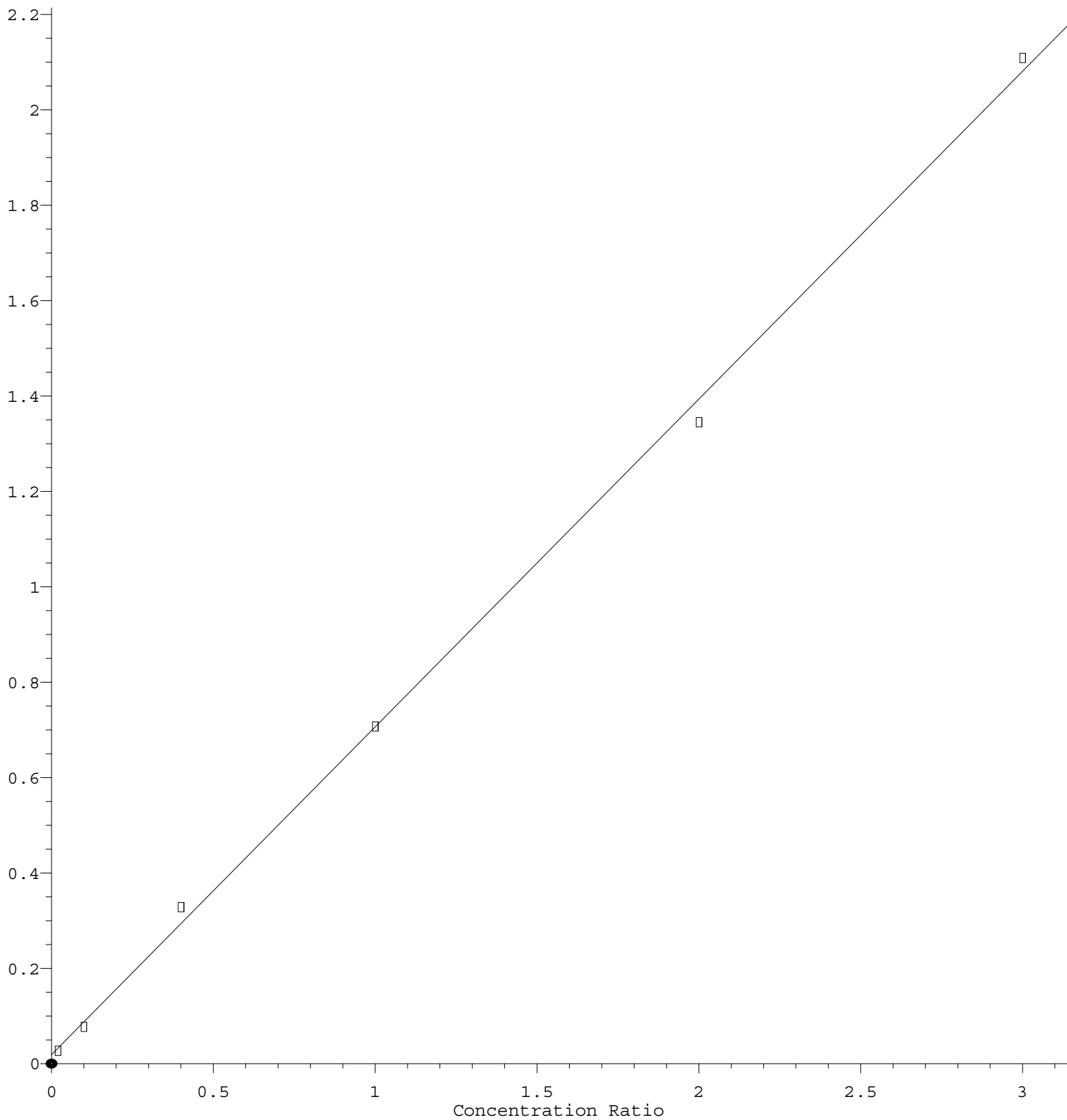
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57)	T	1,3-Dichloropr...	0.641	0.627	0.680	0.690	0.612	0.636	0.648	4.74
58)	T	2-Chloroethyl ...	0.370	0.287	0.312	0.293	0.288	0.300	0.308	10.23
59)	T	2-Hexanone	0.399	0.407	0.452	0.447	0.401	0.418	0.421	5.53
60)	T	Dibromochlorom...	0.325	0.336	0.397	0.421	0.394	0.420	0.382	10.91
61)	T	1,2-Dibromoethane	0.377	0.377	0.415	0.419	0.376	0.397	0.393	5.06
62)	S	4-Bromofluorob...		0.491	0.507	0.468	0.487	0.537	0.498	5.22
63)	I	Chlorobenzene-d5	-----ISTD-----							
64)	T	Tetrachloroethene	0.347	0.339	0.345	0.360	0.315	0.309	0.336	5.87
65)	PM	Chlorobenzene	1.162	1.107	1.124	1.142	1.016	1.032	1.097	5.44
66)	T	1,1,1,2-Tetrac...	0.382	0.378	0.412	0.430	0.391	0.405	0.400	4.98
67)	C	Ethyl Benzene	2.026	1.960	2.050	2.101	1.837	1.810	1.964	6.01#
68)	T	m/p-Xylenes	0.762	0.763	0.792	0.802	0.707	0.699	0.754	5.65
69)	T	o-Xylene	0.792	0.762	0.784	0.789	0.704	0.711	0.757	5.25
70)	T	Styrene	1.148	1.180	1.283	1.309	1.184	1.226	1.222	5.18
71)	P	Bromoform	0.260	0.256	0.310	0.336	0.326	0.357	0.308	13.40
72)	I	1,4-Dichlorobenzen...	-----ISTD-----							
73)	T	Isopropylbenzene	4.169	3.920	4.079	4.083	3.487	3.448	3.864	8.23
74)	T	N-amyl acetate	1.797	1.748	2.000	1.933	1.778	1.850	1.851	5.28
75)	P	1,1,2,2-Tetrac...	1.344	1.271	1.381	1.338	1.177	1.226	1.290	6.09
76)	T	1,2,3-Trichlor...	1.138	1.158	1.134	1.127	1.142	1.189	1.148	1.95
77)	T	Bromobenzene	0.972	0.931	0.966	0.963	0.843	0.887	0.927	5.63
78)	T	n-propylbenzene	4.408	4.468	4.760	4.869	4.163	4.110	4.463	6.87
79)	T	2-Chlorotoluene	2.846	2.763	2.875	2.914	2.541	2.599	2.756	5.57
80)	T	1,3,5-Trimethy...	3.216	3.277	3.404	3.483	3.041	3.026	3.241	5.74
81)	T	trans-1,4-Dich...		0.348	0.425	0.451	0.430	0.468	0.424	10.84
82)	T	4-Chlorotoluene	3.194	3.112	3.320	3.402	2.985	3.035	3.175	5.13
83)	T	tert-Butylbenzene	3.373	3.202	3.419	3.456	3.090	3.069	3.268	5.20
84)	T	1,2,4-Trimethy...	3.471	3.273	3.460	3.481	3.097	3.094	3.313	5.58
85)	T	sec-Butylbenzene	4.004	4.072	4.195	4.328	3.731	3.642	3.995	6.64
86)	T	p-Isopropyltol...	3.333	3.316	3.485	3.660	3.214	3.139	3.358	5.63
87)	T	1,3-Dichlorobe...	1.937	1.835	1.848	1.894	1.669	1.717	1.817	5.70
88)	T	1,4-Dichlorobe...	2.003	1.868	1.870	1.886	1.689	1.706	1.837	6.50
89)	T	n-Butylbenzene	2.832	2.913	3.075	3.342	2.931	2.818	2.985	6.61
90)	T	Hexachloroethane	0.584	0.560	0.629	0.688	0.631	0.635	0.621	7.19
91)	T	1,2-Dichlorobe...	1.871	1.749	1.833	1.834	1.611	1.635	1.756	6.30
92)	T	1,2-Dibromo-3-...	0.289	0.257	0.301	0.315	0.288	0.308	0.293	7.05
93)	T	1,2,4-Trichlor...	1.056	1.096	1.130	1.218	1.034	1.053	1.098	6.20
94)	T	Hexachlorobuta...	0.461	0.460	0.443	0.489	0.411	0.390	0.442	8.18
95)	T	Naphthalene	3.561	3.584	3.911	3.948	3.470	3.614	3.681	5.39
96)	T	1,2,3-Trichlor...	0.992	1.140	1.093	1.153	1.009	1.052	1.073	6.24

(#) = Out of Range

Chloromethane

Response Ratio



$$\text{Response} = 6.875\text{e-}001 * \text{Amt} + 1.855\text{e-}002$$

Coef of Det (r^2) = 0.998667 Curve Fit: Linear

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Calibration Table Last Updated: Mon Mar 13 10:29:32 2023