

Method Path : Z:\voasrv\HPCHEM1\MSVOA_N\methods\
 Method File : 82N030524W.M
 Title : SW846 8260
 Last Update : Wed Mar 06 03:12:57 2024
 Response Via : Initial Calibration

Calibration Files

1 =VN081309.D 5 =VN081308.D 10 =VN081307.D 20 =VN081306.D 50 =VN081305.D 100 =VN081304.D

	Compound	1	5	10	20	50	100	Avg	%RSD
1) I	Pentafluorobenzene	-----ISTD-----							
2) T	Dichlorodifluo...	0.570	0.611	0.747	0.611	0.714	0.724	0.663	11.18
3) P	Chloromethane	0.885	0.709	0.718	0.673	0.666	0.645	0.716	12.18
4) C	Vinyl Chloride	0.871	0.732	0.754	0.724	0.695	0.705	0.747	8.63#
5) T	Bromomethane		0.588	0.509	0.497	0.463	0.437	0.499	11.54
6) T	Chloroethane	0.609	0.582	0.470	0.486	0.458	0.474	0.513	12.67
7) T	Trichlorofluor...	1.150	1.119	1.121	1.108	1.055	1.078	1.105	3.06
8) T	Diethyl Ether	0.388	0.391	0.394	0.404	0.379	0.380	0.389	2.43
9) T	1,1,2-Trichlor...	0.700	0.637	0.635	0.625	0.578	0.600	0.629	6.56
10) T	Methyl Iodide		0.545	0.519	0.581	0.591	0.643	0.576	8.21
11) T	Tert butyl alc...		0.145	0.132	0.129	0.113	0.113	0.126	10.66
12) CM	1,1-Dichloroet...	0.627	0.600	0.574	0.578	0.551	0.566	0.583	4.60#
13) T	Acrolein		0.161	0.152	0.149	0.144	0.143	0.150	4.71
14) T	Allyl chloride	0.974	0.864	0.835	0.866	0.800	0.848	0.865	6.80
15) T	Acrylonitrile	0.357	0.342	0.322	0.342	0.307	0.312	0.330	5.99
16) T	Acetone	0.306	0.265	0.270	0.252	0.227	0.217	0.256	12.49
17) T	Carbon Disulfide	1.918	1.691	1.602	1.637	1.535	1.596	1.663	8.11
18) T	Methyl Acetate	0.761	0.710	0.797	0.677	0.722	0.734	0.733	5.70
19) T	Methyl tert-bu...	2.160	1.959	1.926	2.009	1.887	1.916	1.976	5.03
20) T	Methylene Chlo...	1.014	0.692	0.666	0.684	0.624	0.629	0.718	20.58
21) T	trans-1,2-Dich...	0.789	0.665	0.635	0.646	0.601	0.606	0.657	10.53
22) T	Diisopropyl ether	1.729	1.952	1.924	2.066	1.911	1.942	1.921	5.67
23) T	Vinyl Acetate	1.447	1.550	1.525	1.698	1.549	1.593	1.560	5.32
24) P	1,1-Dichloroet...	1.276	1.193	1.167	1.194	1.104	1.121	1.176	5.23
25) T	2-Butanone	0.474	0.428	0.443	0.439	0.396	0.393	0.429	7.17
26) T	2,2-Dichloropr...	1.202	0.956	0.972	1.055	1.011	1.038	1.039	8.51
27) T	cis-1,2-Dichlo...	0.844	0.794	0.719	0.736	0.678	0.698	0.745	8.41
28) T	Bromochloromet...	0.572	0.593	0.498	0.455	0.470	0.429	0.503	13.10
29) T	Tetrahydrofuran	0.320	0.295	0.299	0.300	0.270	0.271	0.293	6.53
30) C	Chloroform	1.283	1.245	1.200	1.256	1.158	1.180	1.220	3.98#
31) T	Cyclohexane		1.265	1.095	1.094	0.995	1.024	1.095	9.57
32) T	1,1,1-Trichlor...	1.092	1.086	1.068	1.124	1.028	1.073	1.078	2.94
33) S	1,2-Dichloroet...		0.699	0.715	0.734	0.746	0.721	0.723	2.53
34) I	1,4-Difluorobenzene	-----ISTD-----							
35) S	Dibromofluorom...		0.288	0.289	0.309	0.326	0.320	0.306	5.67
36) T	1,1-Dichloropr...	0.509	0.475	0.483	0.508	0.482	0.508	0.494	3.19
37) T	Ethyl Acetate	0.533	0.425	0.487	0.503	0.476	0.474	0.483	7.41
38) T	Carbon Tetrach...	0.466	0.482	0.486	0.524	0.502	0.524	0.497	4.74
39) T	Methylcyclohexane	0.553	0.536	0.550	0.578	0.576	0.619	0.569	5.16
40) TM	Benzene	1.502	1.488	1.465	1.503	1.428	1.465	1.475	1.93
41) T	Methacrylonitrile	0.300	0.289	0.259	0.264	0.257	0.268	0.273	6.39
42) TM	1,2-Dichloroet...	0.525	0.518	0.508	0.542	0.509	0.519	0.520	2.38
43) T	Isopropyl Acetate	0.935	0.854	0.810	0.844	0.813	0.818	0.846	5.58
44) TM	Trichloroethene	0.406	0.343	0.353	0.389	0.367	0.375	0.372	6.24
45) C	1,2-Dichloropr...	0.359	0.386	0.364	0.389	0.359	0.367	0.371	3.59#
46) T	Dibromomethane	0.256	0.255	0.261	0.273	0.260	0.262	0.261	2.48
47) T	Bromodichlorom...	0.493	0.484	0.497	0.530	0.503	0.536	0.507	4.12
48) T	Methyl methacr...	0.366	0.377	0.363	0.382	0.370	0.385	0.374	2.36
49) T	1,4-Dioxane	0.008	0.009	0.008	0.008	0.008	0.008	0.008	5.14
50) S	Toluene-d8		1.060	1.049	1.177	1.237	1.203	1.145	7.46
51) T	4-Methyl-2-Pen...	0.441	0.501	0.497	0.520	0.486	0.500	0.491	5.46
52) CM	Toluene	0.822	0.886	0.871	0.939	0.894	0.934	0.891	4.83#
53) T	t-1,3-Dichloro...	0.527	0.514	0.525	0.565	0.557	0.605	0.549	6.16
54) T	cis-1,3-Dichlo...	0.553	0.581	0.560	0.630	0.597	0.632	0.592	5.72
55) T	1,1,2-Trichlor...	0.324	0.382	0.350	0.359	0.344	0.360	0.353	5.46
56) T	Ethyl methacry...	0.434	0.480	0.486	0.541	0.534	0.570	0.507	9.82

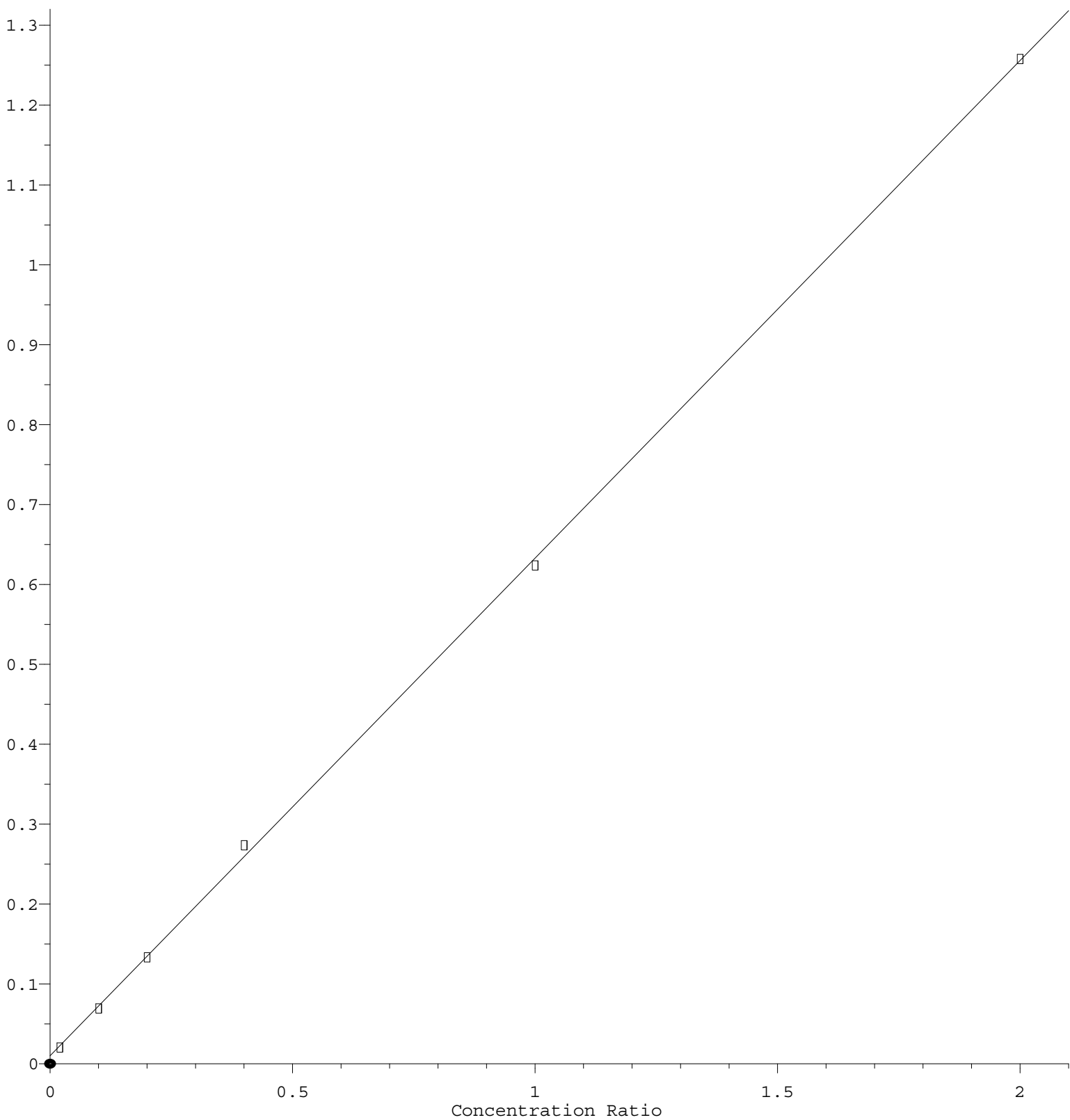
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57)	T	1,3-Dichloropr...	0.630	0.620	0.586	0.633	0.602	0.629	0.617	3.02
58)	T	2-Chloroethyl ...	0.236	0.271	0.271	0.285	0.290	0.284	0.273	7.20
59)	T	2-Hexanone	0.333	0.363	0.368	0.396	0.366	0.376	0.367	5.58
60)	T	Dibromochlorom...	0.343	0.348	0.351	0.383	0.369	0.390	0.364	5.38
61)	T	1,2-Dibromoethane	0.343	0.365	0.366	0.386	0.364	0.376	0.367	3.99
62)	S	4-Bromofluorob...		0.359	0.368	0.410	0.438	0.449	0.405	9.95
63)	I	Chlorobenzene-d5	-----ISTD-----							
64)	T	Tetrachloroethene	0.403	0.390	0.393	0.404	0.372	0.388	0.391	2.96
65)	PM	Chlorobenzene	1.069	1.043	1.032	1.116	1.018	1.043	1.054	3.30
66)	T	1,1,1,2-Tetrac...	0.381	0.385	0.378	0.404	0.378	0.386	0.386	2.56
67)	C	Ethyl Benzene	1.849	1.847	1.802	1.973	1.913	2.004	1.898	4.16#
68)	T	m/p-Xylenes	0.695	0.674	0.691	0.756	0.717	0.753	0.714	4.76
69)	T	o-Xylene	0.670	0.656	0.676	0.725	0.695	0.730	0.692	4.35
70)	T	Styrene	0.921	1.014	1.065	1.196	1.162	1.224	1.097	10.72
71)	P	Bromoform	0.281	0.254	0.245	0.271	0.272	0.283	0.268	5.69
72)	I	1,4-Dichlorobenzen...	-----ISTD-----							
73)	T	Isopropylbenzene	3.876	3.899	4.101	4.244	4.130	3.976	4.037	3.58
74)	T	N-amyl acetate	1.572	1.658	1.712	1.769	1.748	1.705	1.694	4.18
75)	P	1,1,2,2-Tetrac...	1.428	1.212	1.294	1.261	1.163	1.118	1.246	8.80
76)	T	1,2,3-Trichlor...	1.289	1.226	1.172	1.214	1.113	1.072	1.181	6.69
77)	T	Bromobenzene	1.226	0.927	0.898	0.943	0.901	0.848	0.957	14.14
78)	T	n-propylbenzene	4.342	4.610	4.716	5.064	5.018	4.903	4.775	5.75
79)	T	2-Chlorotoluene	2.993	2.935	2.845	3.027	2.895	2.818	2.919	2.81
80)	T	1,3,5-Trimethy...	2.958	3.136	3.520	3.563	3.464	3.384	3.338	7.18
81)	T	trans-1,4-Dich...		0.398	0.385	0.432	0.481	0.420	0.423	8.80
82)	T	4-Chlorotoluene	2.890	2.880	2.844	2.996	2.882	2.807	2.883	2.19
83)	T	tert-Butylbenzene	2.865	2.670	2.918	2.992	2.906	2.817	2.861	3.86
84)	T	1,2,4-Trimethy...	2.963	3.388	3.374	3.646	3.481	3.437	3.381	6.72
85)	T	sec-Butylbenzene	3.732	3.919	4.208	4.402	4.322	4.252	4.139	6.24
86)	T	p-Isopropyltol...	2.714	3.174	3.358	3.606	3.509	3.557	3.320	10.11
87)	T	1,3-Dichlorobe...	2.128	1.783	1.767	1.772	1.703	1.693	1.808	8.94
88)	T	1,4-Dichlorobe...	2.070	1.779	1.764	1.824	1.705	1.699	1.807	7.59
89)	T	n-Butylbenzene	2.889	2.800	2.919	3.107	3.202	3.349	3.044	6.90
90)	T	Hexachloroethane	0.585	0.505	0.568	0.612	0.600	0.617	0.581	7.16
91)	T	1,2-Dichlorobe...	1.886	1.762	1.750	1.736	1.638	1.633	1.734	5.38
92)	T	1,2-Dibromo-3-...	0.300	0.239	0.275	0.270	0.262	0.255	0.267	7.75
93)	T	1,2,4-Trichlor...	0.997	0.832	0.844	0.961	0.940	0.988	0.927	7.75
94)	T	Hexachlorobuta...	0.470	0.332	0.363	0.385	0.368	0.380	0.383	12.09
95)	T	Naphthalene	3.218	2.989	3.206	3.473	3.414	3.492	3.299	5.94
96)	T	1,2,3-Trichlor...	1.037	0.822	0.925	0.953	0.926	0.977	0.940	7.55

(#) = Out of Range

Methylene Chloride

Response Ratio



$$\text{Response} = 6.227\text{e-}001 * \text{Amt} + 1.018\text{e-}002$$

Coef of Det (r^2) = 0.999727 Curve Fit: Linear

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Calibration Table Last Updated: Wed Mar 06 03:12:57 2024