

Method Path : Z:\voasrv\HPCHEM1\MSVOA_X\Method\
 Method File : 82X052623W.M
 Title : SW846 8260
 Last Update : Mon May 29 07:45:36 2023
 Response Via : Initial Calibration

Calibration Files

1 =VX035886.D 5 =VX035887.D 20 =VX035888.D 50 =VX035889.D 100 =VX035890.D 150 =VX035891.D

	Compound	1	5	20	50	100	150	Avg	%RSD
1) I	Pentafluorobenzene	-----ISTD-----							
2) T	Dichlorodifluo...	0.634	0.742	0.646	0.642	0.654	0.672	0.665	5.97
3) P	Chloromethane	0.692	0.773	0.657	0.652	0.660	0.680	0.686	6.65
4) C	Vinyl Chloride	0.653	0.739	0.618	0.629	0.646	0.667	0.659	6.49#
5) T	Bromomethane		0.437	0.359	0.379	0.393	0.405	0.395	7.36
6) T	Chloroethane	0.401	0.402	0.357	0.366	0.351	0.331	0.368	7.67
7) T	Trichlorofluor...	1.001	1.099	0.953	0.936	0.966	0.975	0.988	5.91
8) T	Diethyl Ether	0.324	0.410	0.350	0.360	0.361	0.372	0.363	7.75
9) T	1,1,2-Trichlor...	0.595	0.653	0.552	0.556	0.572	0.586	0.586	6.32
10) T	Methyl Iodide		0.528	0.543	0.613	0.640	0.648	0.594	9.38
11) T	Tert butyl alc...		0.164	0.147	0.152	0.158	0.152	0.155	4.12
12) CM	1,1-Dichloroet...	0.568	0.596	0.509	0.528	0.537	0.555	0.549	5.68#
13) T	Acrolein		0.181	0.140	0.134	0.152	0.160	0.153	11.90
14) T	Allyl chloride	1.067	1.118	1.012	1.068	1.104	1.139	1.085	4.20
15) T	Acrylonitrile	0.344	0.390	0.340	0.341	0.352	0.358	0.354	5.32
16) T	Acetone	0.398	0.409	0.341	0.335	0.338	0.332	0.359	9.70
17) T	Carbon Disulfide	1.269	1.192	1.127	1.236	1.353	1.453	1.272	9.18
18) T	Methyl Acetate	1.365	1.514	1.324	1.347	1.371	1.389	1.385	4.84
19) T	Methyl tert-bu...	2.064	2.326	2.037	2.061	2.074	2.138	2.117	5.11
20) T	Methylene Chlo...	1.457	0.896	0.684	0.630	0.637	0.655	0.826	39.27
21) T	trans-1,2-Dich...	0.641	0.632	0.569	0.578	0.593	0.618	0.605	4.89
22) T	Diisopropyl ether	2.068	2.427	2.098	2.149	2.143	2.184	2.178	5.89
23) T	Vinyl Acetate	1.302	1.608	1.492	1.547	1.567	1.588	1.517	7.43
24) P	1,1-Dichloroet...	1.194	1.311	1.152	1.172	1.169	1.214	1.202	4.78
25) T	2-Butanone	0.497	0.558	0.507	0.511	0.523	0.517	0.519	4.08
26) T	2,2-Dichloropr...	0.912	0.941	0.839	0.908	0.951	1.010	0.927	6.07
27) T	cis-1,2-Dichlo...	0.696	0.766	0.661	0.687	0.693	0.722	0.704	5.12
28) T	Bromochloromet...	0.548	0.637	0.551	0.605	0.551	0.602	0.582	6.46
29) T	Tetrahydrofuran	0.311	0.370	0.327	0.329	0.338	0.340	0.336	5.90
30) C	Chloroform	1.183	1.381	1.169	1.209	1.211	1.245	1.233	6.24#
31) T	Cyclohexane		1.176	0.997	1.008	1.034	1.062	1.055	6.81
32) T	1,1,1-Trichlor...	0.969	1.127	1.018	1.064	1.086	1.129	1.066	5.92
33) S	1,2-Dichloroet...		1.072	0.875	0.856	0.775	0.865	0.889	12.35
34) I	1,4-Difluorobenzene	-----ISTD-----							
35) S	Dibromofluorom...		0.381	0.339	0.334	0.315	0.348	0.343	7.02
36) T	1,1-Dichloropr...	0.542	0.576	0.490	0.495	0.507	0.519	0.522	6.23
37) T	Ethyl Acetate	0.573	0.592	0.539	0.550	0.568	0.565	0.565	3.21
38) T	Carbon Tetrach...	0.466	0.497	0.458	0.482	0.518	0.528	0.492	5.69
39) T	Methylcyclohexane	0.576	0.646	0.572	0.570	0.600	0.606	0.595	4.89
40) TM	Benzene	1.494	1.626	1.381	1.402	1.423	1.437	1.461	6.14
41) T	Methacrylonitrile	0.321	0.339	0.304	0.316	0.328	0.321	0.321	3.60
42) TM	1,2-Dichloroet...	0.603	0.700	0.607	0.595	0.602	0.595	0.617	6.65
43) T	Isopropyl Acetate	0.809	0.953	0.867	0.901	0.943	0.955	0.905	6.44
44) TM	Trichloroethene	0.357	0.391	0.344	0.354	0.368	0.370	0.364	4.48
45) C	1,2-Dichloropr...	0.401	0.419	0.367	0.368	0.377	0.379	0.385	5.41#
46) T	Dibromomethane	0.256	0.289	0.252	0.257	0.265	0.268	0.264	4.98
47) T	Bromodichlorom...	0.450	0.485	0.461	0.497	0.528	0.538	0.493	7.15
48) T	Methyl methacr...	0.457	0.474	0.443	0.457	0.476	0.479	0.464	3.10
49) T	1,4-Dioxane	0.011	0.010	0.009	0.010	0.010	0.009	0.010	8.93
50) S	Toluene-d8		1.422	1.237	1.226	1.156	1.261	1.260	7.80
51) T	4-Methyl-2-Pen...	0.524	0.625	0.561	0.559	0.566	0.542	0.563	6.06
52) CM	Toluene	0.903	0.997	0.881	0.897	0.918	0.909	0.917	4.45#
53) T	t-1,3-Dichloro...	0.382	0.453	0.480	0.543	0.582	0.615	0.509	17.05
54) T	cis-1,3-Dichlo...	0.437	0.531	0.526	0.585	0.616	0.639	0.556	13.22
55) T	1,1,2-Trichlor...	0.334	0.396	0.358	0.359	0.364	0.370	0.364	5.59
56) T	Ethyl methacry...	0.486	0.594	0.550	0.574	0.609	0.623	0.573	8.70

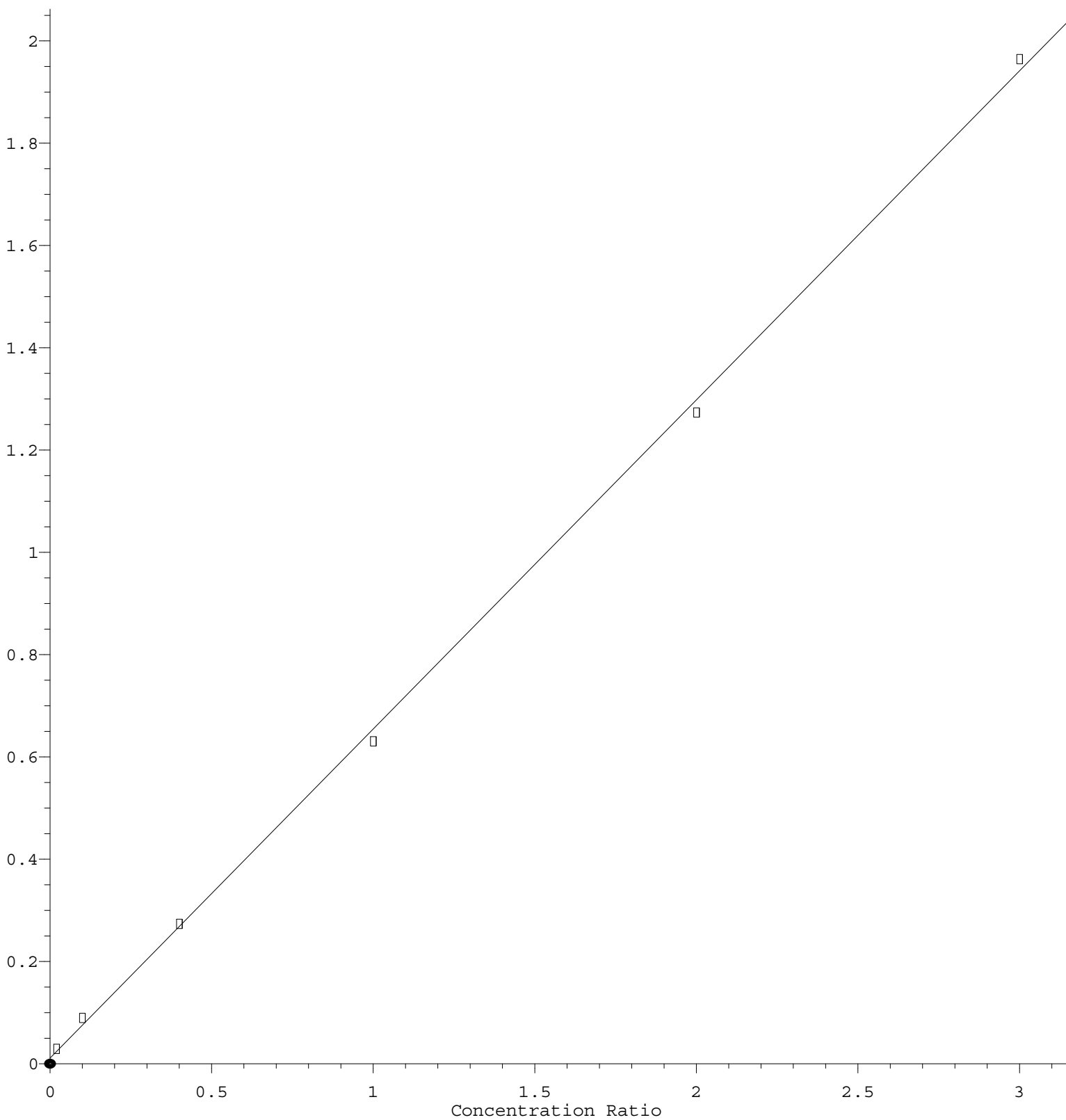
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57)	T	1,3-Dichloropr...	0.690	0.705	0.637	0.634	0.644	0.648	0.660	4.58
58)	T	2-Chloroethyl ...	0.272	0.330	0.279	0.293	0.304	0.339	0.303	8.86
59)	T	2-Hexanone	0.394	0.472	0.430	0.426	0.430	0.403	0.426	6.42
60)	T	Dibromochlorom...	0.246	0.305	0.315	0.352	0.380	0.398	0.333	16.71
61)	T	1,2-Dibromoethane	0.362	0.399	0.368	0.378	0.393	0.399	0.383	4.22
62)	S	4-Bromofluorob...	0.508	0.479	0.495	0.475	0.525	0.497		4.13
63)	I	Chlorobenzene-d5	-----ISTD-----							
64)	T	Tetrachloroethene	0.365	0.378	0.319	0.313	0.328	0.328	0.338	7.82
65)	PM	Chlorobenzene	1.065	1.174	1.004	1.024	1.054	1.065	1.064	5.53
66)	T	1,1,1,2-Tetrac...	0.305	0.381	0.347	0.365	0.393	0.400	0.365	9.61
67)	C	Ethyl Benzene	1.994	2.157	1.891	1.904	1.955	1.949	1.975	4.88#
68)	T	m/p-Xylenes	0.675	0.810	0.712	0.707	0.739	0.740	0.731	6.24
69)	T	o-Xylene	0.661	0.804	0.700	0.703	0.743	0.745	0.726	6.81
70)	T	Styrene	1.059	1.276	1.148	1.173	1.244	1.255	1.192	6.88
71)	P	Bromoform	0.186	0.208	0.208	0.244	0.281	0.290	0.236	18.07
72)	I	1,4-Dichlorobenzen...	-----ISTD-----							
73)	T	Isopropylbenzene	3.984	4.608	3.876	3.918	3.894	4.052	4.055	6.87
74)	T	N-amyl acetate	1.527	1.879	1.749	1.752	1.828	1.847	1.764	7.19
75)	P	1,1,2,2-Tetrac...	1.358	1.486	1.315	1.265	1.270	1.259	1.325	6.57
76)	T	1,2,3-Trichlor...	1.222	1.377	1.246	1.218	1.234	1.189	1.248	5.30
77)	T	Bromobenzene	0.885	1.026	0.866	0.877	0.904	0.931	0.915	6.46
78)	T	n-propylbenzene	4.469	5.218	4.613	4.605	4.636	4.816	4.726	5.61
79)	T	2-Chlorotoluene	3.191	3.345	2.871	2.802	2.846	2.922	2.996	7.33
80)	T	1,3,5-Trimethy...	3.222	3.948	3.378	3.315	3.388	3.480	3.455	7.41
81)	T	trans-1,4-Dich...	0.261	0.279	0.343	0.394	0.423	0.340		20.63
82)	T	4-Chlorotoluene	3.337	3.868	3.289	3.255	3.321	3.388	3.410	6.71
83)	T	tert-Butylbenzene	3.171	3.653	3.175	3.194	3.282	3.426	3.317	5.76
84)	T	1,2,4-Trimethy...	3.229	3.908	3.384	3.341	3.428	3.470	3.460	6.78
85)	T	sec-Butylbenzene	3.879	4.445	4.052	4.048	4.172	4.273	4.145	4.78
86)	T	p-Isopropyltol...	3.125	3.799	3.349	3.381	3.531	3.610	3.466	6.75
87)	T	1,3-Dichlorobe...	1.690	1.975	1.653	1.664	1.735	1.758	1.746	6.84
88)	T	1,4-Dichlorobe...	1.911	1.998	1.698	1.693	1.740	1.750	1.798	7.01
89)	T	n-Butylbenzene	2.706	3.172	2.947	3.022	3.199	3.231	3.046	6.56
90)	T	Hexachloroethane	0.382	0.457	0.466	0.509	0.578	0.616	0.501	17.00
91)	T	1,2-Dichlorobe...	1.778	1.935	1.672	1.649	1.652	1.660	1.724	6.60
92)	T	1,2-Dibromo-3-...	0.221	0.270	0.269	0.287	0.306	0.312	0.277	11.90
93)	T	1,2,4-Trichlor...	0.989	1.067	0.962	0.989	1.023	1.054	1.014	4.04
94)	T	Hexachlorobuta...	0.450	0.413	0.392	0.385	0.394	0.406	0.407	5.81
95)	T	Naphthalene	3.292	3.615	3.520	3.500	3.593	3.615	3.523	3.49
96)	T	1,2,3-Trichlor...	1.031	1.054	0.959	0.982	1.004	1.032	1.010	3.52

(#) = Out of Range

Methylene Chloride

Response Ratio



$$\text{Response} = 6.435\text{e-}001 * \text{Amt} + 1.081\text{e-}002$$

Coef of Det (r^2) = 0.999332 Curve Fit: Linear

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Calibration Table Last Updated: Mon May 29 07:45:36 2023