

Method Path : Z:\voasrv\HPCHEM1\MSVOA_W\Method\
 Method File : 82W092525S.M
 Title : SW846 8260
 Last Update : Fri Sep 26 07:11:42 2025
 Response Via : Initial Calibration

Calibration Files

5 =VW032258.D 10 =VW032259.D 20 =VW032260.D 50 =VW032261.D 100 =VW032262.D 150 =VW032263.D

	Compound	5	10	20	50	100	150	Avg	%RSD
1) I	Pentafluorobenzene	-----ISTD-----							
2) T	Dichlorodifluo...	0.388	0.399	0.397	0.295	0.295	0.299	0.345	15.60
3) P	Chloromethane	0.540	0.557	0.548	0.423	0.439	0.459	0.494	12.26
4) C	Vinyl Chloride	0.611	0.628	0.654	0.537	0.514	0.522	0.578	10.47#
5) T	Bromomethane	0.403	0.424	0.435	0.367	0.360	0.377	0.394	7.91
6) T	Chloroethane	0.416	0.408	0.434	0.359	0.356	0.376	0.391	8.26
7) T	Trichlorofluor...	0.399	0.417	0.519	0.383	0.438	0.455	0.435	11.18
8) T	Diethyl Ether	0.475	0.440	0.436	0.368	0.366	0.384	0.412	10.97
9) T	1,1,2-Trichlor...	0.593	0.587	0.625	0.526	0.495	0.508	0.556	9.48
10) T	Methyl Iodide	0.748	0.763	0.840	0.712	0.721	0.725	0.751	6.30
11) T	Tert butyl alc...	0.061	0.060	0.057	0.046	0.049	0.057	0.055	11.16
12) CM	1,1-Dichloroet...	0.595	0.633	0.670	0.551	0.550	0.565	0.594	8.20#
13) T	Acrolein	0.108	0.106	0.106	0.090	0.085	0.089	0.098	10.90
14) T	Allyl chloride	0.911	0.933	1.006	0.879	0.880	0.921	0.922	5.06
15) T	Acrylonitrile	0.216	0.220	0.232	0.189	0.197	0.218	0.212	7.60
16) T	Acetone	0.216	0.252	0.242	0.164	0.162	0.180	0.203	19.64
17) T	Carbon Disulfide	1.364	1.439	1.543	1.260	1.262	1.324	1.365	8.07
18) T	Methyl Acetate	0.637	0.602	0.639	0.738	0.749	0.818	0.697	11.98
19) T	Methyl tert-bu...	1.055	1.094	1.201	1.071	1.060	1.123	1.101	5.01
20) T	Methylene Chlo...	1.758	1.269	0.843	0.747	0.661	0.666	0.991	44.29
21) T	trans-1,2-Dich...	0.633	0.668	0.703	0.605	0.602	0.630	0.640	6.01
22) T	Diisopropyl ether	1.893	2.067	2.306	2.003	1.989	2.030	2.048	6.79
23) T	Vinyl Acetate	1.220	1.347	1.501	1.216	1.263	1.358	1.317	8.26
24) P	1,1-Dichloroet...	1.313	1.343	1.418	1.232	1.201	1.250	1.293	6.25
25) T	2-Butanone	0.282	0.300	0.307	0.252	0.260	0.296	0.283	7.92
26) T	2,2-Dichloropr...	0.660	0.686	0.672	0.598	0.596	0.610	0.637	6.27
27) T	cis-1,2-Dichlo...	0.803	0.821	0.843	0.763	0.760	0.789	0.796	4.10
28) T	Bromochloromet...	0.662	0.629	0.656	0.589	0.586	0.579	0.617	6.03
29) T	Tetrahydrofuran	0.179	0.189	0.200	0.166	0.173	0.194	0.183	7.14
30) C	Chloroform	1.400	1.413	1.489	1.286	1.227	1.278	1.349	7.41#
31) T	Cyclohexane	1.132	1.088	1.139	0.912	0.912	0.933	1.019	10.93
32) T	1,1,1-Trichlor...	0.927	0.946	0.985	0.873	0.852	0.869	0.909	5.74
33) S	1,2-Dichloroet...	0.886	0.863	0.864	0.708	0.703	0.714	0.789	11.32
34) I	1,4-Difluorobenzene	-----ISTD-----							
35) S	Dibromofluorom...	0.393	0.364	0.379	0.347	0.342	0.332	0.360	6.54
36) T	1,1-Dichloropr...	0.481	0.486	0.524	0.483	0.479	0.456	0.485	4.50
37) T	Ethyl Acetate	0.313	0.326	0.356	0.300	0.314	0.321	0.322	5.90
38) T	Carbon Tetrach...	0.442	0.462	0.505	0.447	0.452	0.429	0.456	5.77
39) T	Methylcyclohexane	0.507	0.545	0.596	0.569	0.584	0.564	0.561	5.68
40) TM	Benzene	1.503	1.545	1.639	1.516	1.515	1.438	1.526	4.31
41) T	Methacrylonitrile	0.168	0.182	0.200	0.177	0.177	0.203	0.184	7.56
42) TM	1,2-Dichloroet...	0.545	0.518	0.537	0.486	0.488	0.470	0.507	5.99
43) T	Isopropyl Acetate	0.553	0.575	0.604	0.548	0.578	0.596	0.576	3.89
44) TM	Trichloroethene	0.343	0.371	0.382	0.346	0.359	0.339	0.357	4.73
45) C	1,2-Dichloropr...	0.391	0.408	0.423	0.393	0.384	0.372	0.395	4.53#
46) T	Dibromomethane	0.257	0.250	0.255	0.235	0.235	0.227	0.243	5.10
47) T	Bromodichlorom...	0.549	0.544	0.577	0.558	0.557	0.541	0.554	2.37
48) T	Methyl methacr...	0.236	0.257	0.279	0.269	0.288	0.296	0.271	8.11
49) T	1,4-Dioxane	0.003	0.003	0.004	0.003	0.003	0.004	0.003	10.32
50) S	Toluene-d8	1.334	1.339	1.372	1.252	1.274	1.205	1.296	4.86
51) T	4-Methyl-2-Pen...	0.327	0.346	0.370	0.324	0.338	0.342	0.341	4.79
52) CM	Toluene	0.894	0.955	1.010	0.937	0.963	0.916	0.946	4.26#
53) T	t-1,3-Dichloro...	0.440	0.478	0.521	0.507	0.554	0.547	0.508	8.51
54) T	cis-1,3-Dichlo...	0.525	0.558	0.618	0.590	0.614	0.611	0.586	6.36
55) T	1,1,2-Trichlor...	0.343	0.339	0.359	0.316	0.316	0.318	0.332	5.41
56) T	Ethyl methacry...	0.362	0.405	0.462	0.438	0.475	0.480	0.437	10.51

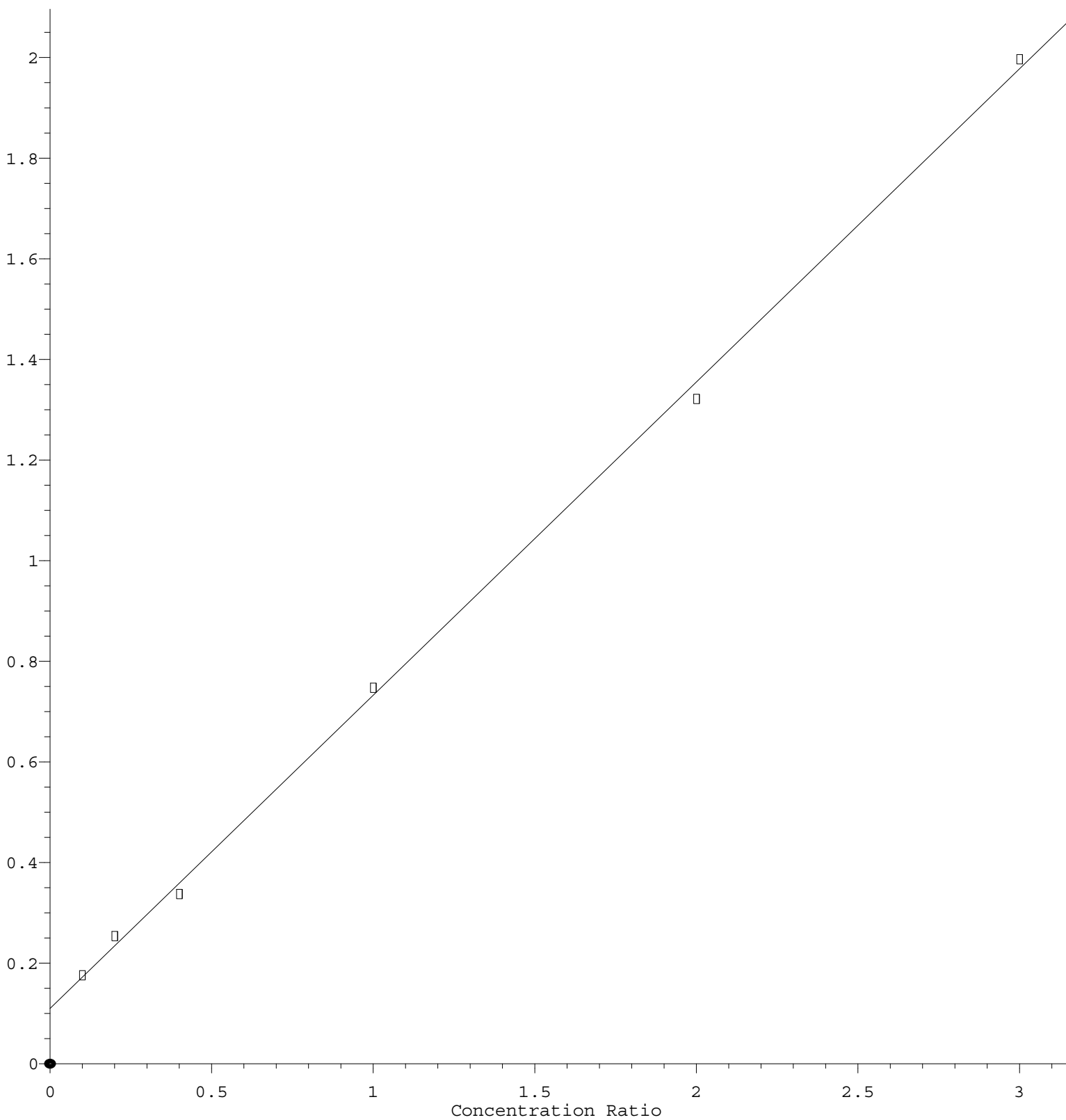
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57)	T	1,3-Dichloropr...	0.562	0.580	0.617	0.568	0.562	0.548	0.573	4.22
58)	T	2-Chloroethyl ...	0.206	0.220	0.236	0.252	0.264	0.261	0.240	9.74
59)	T	2-Hexanone	0.215	0.224	0.255	0.225	0.236	0.243	0.233	6.15
60)	T	Dibromochlorom...	0.354	0.352	0.371	0.369	0.377	0.364	0.364	2.66
61)	T	1,2-Dibromoethane	0.310	0.313	0.337	0.308	0.308	0.309	0.314	3.64
62)	S	4-Bromofluorob...	0.505	0.491	0.511	0.482	0.486	0.458	0.489	3.83
63)	I	Chlorobenzene-d5	-----ISTD-----							
64)	T	Tetrachloroethene	0.297	0.331	0.323	0.301	0.288	0.288	0.305	5.98
65)	PM	Chlorobenzene	1.146	1.205	1.234	1.126	1.109	1.091	1.152	4.89
66)	T	1,1,1,2-Tetrac...	0.354	0.367	0.377	0.360	0.366	0.361	0.364	2.20
67)	C	Ethyl Benzene	1.710	1.890	1.993	1.882	1.927	1.908	1.885	5.02#
68)	T	m/p-Xylenes	0.647	0.728	0.793	0.721	0.729	0.717	0.723	6.44
69)	T	o-Xylene	0.590	0.670	0.711	0.704	0.707	0.694	0.679	6.79
70)	T	Styrene	0.977	1.180	1.315	1.247	1.223	1.204	1.191	9.61
71)	P	Bromoform	0.186	0.222	0.219	0.210	0.214	0.223	0.212	6.52
72)	I	1,4-Dichlorobenzen...	-----ISTD-----							
73)	T	Isopropylbenzene	3.005	3.296	3.600	3.704	3.535	3.740	3.480	8.07
74)	T	N-amyl acetate	0.995	1.051	1.158	1.082	1.086	1.203	1.096	6.80
75)	P	1,1,2,2-Tetrac...	0.955	0.945	0.943	0.886	0.843	0.902	0.912	4.75
76)	T	1,2,3-Trichlor...	0.752	0.709	0.701	0.665	0.631	0.670	0.688	6.09
77)	T	Bromobenzene	0.832	0.813	0.868	0.917	0.837	0.869	0.856	4.31
78)	T	n-propylbenzene	3.941	4.225	4.466	4.685	4.428	4.483	4.371	5.88
79)	T	2-Chlorotoluene	2.428	2.616	2.716	2.777	2.628	2.724	2.648	4.68
80)	T	1,3,5-Trimethy...	2.544	2.923	3.068	3.175	3.026	3.117	2.975	7.66
81)	T	trans-1,4-Dich...	0.229	0.241	0.256	0.270	0.278	0.315	0.265	11.53
82)	T	4-Chlorotoluene	2.530	2.844	2.867	2.928	2.752	2.870	2.799	5.12
83)	T	tert-Butylbenzene	2.196	2.346	2.559	2.617	2.538	2.674	2.488	7.28
84)	T	1,2,4-Trimethy...	2.557	2.971	3.151	3.202	3.108	3.136	3.021	7.94
85)	T	sec-Butylbenzene	3.324	3.569	3.851	3.989	3.738	3.949	3.737	6.77
86)	T	p-Isopropyltol...	2.720	3.012	3.145	3.380	3.116	3.193	3.095	7.10
87)	T	1,3-Dichlorobe...	1.700	1.684	1.659	1.737	1.656	1.722	1.693	1.94
88)	T	1,4-Dichlorobe...	1.811	1.770	1.807	1.674	1.631	1.685	1.730	4.42
89)	T	n-Butylbenzene	2.754	3.054	3.129	3.307	3.112	3.277	3.106	6.38
90)	T	Hexachloroethane	0.564	0.548	0.586	0.575	0.579	0.608	0.577	3.49
91)	T	1,2-Dichlorobe...	1.587	1.636	1.663	1.630	1.465	1.524	1.584	4.79
92)	T	1,2-Dibromo-3-...	0.167	0.156	0.156	0.144	0.148	0.166	0.156	5.78
93)	T	1,2,4-Trichlor...	0.850	0.888	0.943	0.960	0.961	1.035	0.940	6.83
94)	T	Hexachlorobuta...	0.461	0.436	0.474	0.391	0.405	0.422	0.432	7.41
95)	T	Naphthalene	1.847	2.080	2.252	2.318	2.369	2.665	2.255	12.25
96)	T	1,2,3-Trichlor...	0.807	0.849	0.861	0.892	0.881	0.953	0.874	5.57

(#) = Out of Range

Methylene Chloride

Response Ratio



$$\text{Response} = 6.223\text{e-}001 * \text{Amt} + 1.105\text{e-}001$$

Coef of Det (r^2) = 0.999012 Curve Fit: Linear

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Calibration Table Last Updated: Fri Sep 26 07:11:42 2025