

Method Path : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\
 Method File : 82Y110425S.M
 Title : SW846 8260
 Last Update : Wed Nov 05 04:41:50 2025
 Response Via : Initial Calibration

Calibration Files

5 =VY023661.D 10 =VY023662.D 20 =VY023663.D 50 =VY023664.D 100 =VY023665.D 150 =VY023666.D

	Compound	5	10	20	50	100	150	Avg	%RSD
1) I	Pentafluorobenzene	-----ISTD-----							
2) T	Dichlorodifluo...	0.391	0.380	0.373	0.275	0.284	0.266	0.328	17.90
3) P	Chloromethane	0.537	0.510	0.489	0.413	0.424	0.382	0.459	13.38
4) C	Vinyl Chloride	0.680	0.662	0.633	0.547	0.556	0.508	0.598	11.68#
5) T	Bromomethane	0.587	0.555	0.530	0.443	0.464	0.437	0.503	12.53
6) T	Chloroethane	0.458	0.455	0.432	0.386	0.393	0.354	0.413	10.08
7) T	Trichlorofluor...	0.937	0.908	0.887	0.780	0.782	0.756	0.842	9.25
8) T	Diethyl Ether	0.232	0.228	0.232	0.212	0.230	0.219	0.226	3.58
9) T	1,1,2-Trichlor...	0.519	0.506	0.471	0.433	0.439	0.414	0.464	9.09
10) T	Methyl Iodide	0.491	0.546	0.558	0.573	0.585	0.533	0.548	6.10
11) T	Tert butyl alc...	0.035	0.027	0.027	0.023	0.026	0.027	0.028	15.05
12) CM	1,1-Dichloroet...	0.476	0.462	0.462	0.421	0.441	0.419	0.447	5.23#
13) T	Acrolein	0.041	0.036	0.039	0.030	0.034	0.033	0.035	12.04
14) T	Allyl chloride	0.530	0.534	0.549	0.527	0.577	0.545	0.544	3.38
15) T	Acrylonitrile	0.087	0.079	0.090	0.081	0.092	0.089	0.086	5.76
16) T	Acetone	0.115	0.106	0.115	0.094	0.105	0.102	0.106	7.41
17) T	Carbon Disulfide	1.479	1.468	1.424	1.288	1.330	1.237	1.371	7.32
18) T	Methyl Acetate	0.221	0.206	0.292	0.210	0.256	0.218	0.234	14.40
19) T	Methyl tert-bu...	0.980	0.945	1.059	1.008	1.132	1.091	1.036	6.81
20) T	Methylene Chlo...	0.652	0.532	0.515	0.460	0.476	0.436	0.512	15.09
21) T	trans-1,2-Dich...	0.512	0.515	0.519	0.487	0.510	0.479	0.504	3.29
22) T	Diisopropyl ether	1.097	1.167	1.263	1.222	1.305	1.215	1.212	6.04
23) T	Vinyl Acetate	0.585	0.589	0.631	0.652	0.716	0.706	0.647	8.69
24) P	1,1-Dichloroet...	0.855	0.818	0.822	0.775	0.813	0.760	0.807	4.27
25) T	2-Butanone	0.128	0.113	0.130	0.111	0.127	0.127	0.123	6.79
26) T	2,2-Dichloropr...	0.799	0.758	0.742	0.709	0.739	0.708	0.742	4.56
27) T	cis-1,2-Dichlo...	0.571	0.582	0.574	0.560	0.599	0.564	0.575	2.42
28) T	Bromochloromet...	0.317	0.329	0.329	0.290	0.311	0.279	0.309	6.68
29) T	Tetrahydrofuran	0.061	0.059	0.068	0.062	0.072	0.070	0.065	8.58
30) C	Chloroform	0.957	0.934	0.919	0.863	0.898	0.833	0.901	5.14#
31) T	Cyclohexane	0.789	0.719	0.692	0.662	0.695	0.660	0.703	6.77
32) T	1,1,1-Trichlor...	0.852	0.833	0.820	0.769	0.803	0.753	0.805	4.72
33) S	1,2-Dichloroet...	0.468	0.425	0.426	0.407	0.425	0.407	0.427	5.27
34) I	1,4-Difluorobenzene	-----ISTD-----							
35) S	Dibromofluorom...	0.312	0.316	0.312	0.310	0.318	0.308	0.312	1.23
36) T	1,1-Dichloropr...	0.426	0.416	0.427	0.409	0.422	0.405	0.418	2.15
37) T	Ethyl Acetate	0.158	0.151	0.161	0.155	0.173	0.172	0.162	5.64
38) T	Carbon Tetrach...	0.516	0.491	0.501	0.477	0.494	0.473	0.492	3.21
39) T	Methylcyclohexane	0.499	0.495	0.536	0.539	0.569	0.563	0.534	5.79
40) TM	Benzene	1.323	1.322	1.355	1.287	1.345	1.265	1.316	2.60
41) T	Methacrylonitrile	0.083	0.079	0.086	0.084	0.098	0.100	0.088	9.67
42) TM	1,2-Dichloroet...	0.343	0.331	0.344	0.321	0.339	0.320	0.333	3.29
43) T	Isopropyl Acetate	0.280	0.267	0.306	0.295	0.336	0.338	0.304	9.59
44) TM	Trichloroethene	0.398	0.383	0.387	0.366	0.377	0.358	0.378	3.81
45) C	1,2-Dichloropr...	0.294	0.285	0.300	0.284	0.297	0.283	0.290	2.56#
46) T	Dibromomethane	0.183	0.172	0.191	0.173	0.185	0.176	0.180	4.19
47) T	Bromodichlorom...	0.456	0.442	0.471	0.444	0.469	0.441	0.454	3.01
48) T	Methyl methacr...	0.119	0.117	0.146	0.146	0.165	0.169	0.143	15.27
49) T	1,4-Dioxane	0.002	0.002	0.002	0.002	0.002	0.002	0.002	8.93
50) S	Toluene-d8	1.109	1.148	1.155	1.189	1.224	1.159	1.164	3.34
51) T	4-Methyl-2-Pen...	0.143	0.136	0.170	0.158	0.181	0.180	0.162	11.80
52) CM	Toluene	0.761	0.813	0.874	0.854	0.898	0.842	0.840	5.74#
53) T	t-1,3-Dichloro...	0.346	0.349	0.389	0.387	0.426	0.407	0.384	8.18
54) T	cis-1,3-Dichlo...	0.419	0.434	0.475	0.463	0.495	0.474	0.460	6.13
55) T	1,1,2-Trichlor...	0.244	0.230	0.250	0.234	0.249	0.236	0.241	3.46
56) T	Ethyl methacry...	0.208	0.204	0.261	0.276	0.318	0.323	0.265	19.45

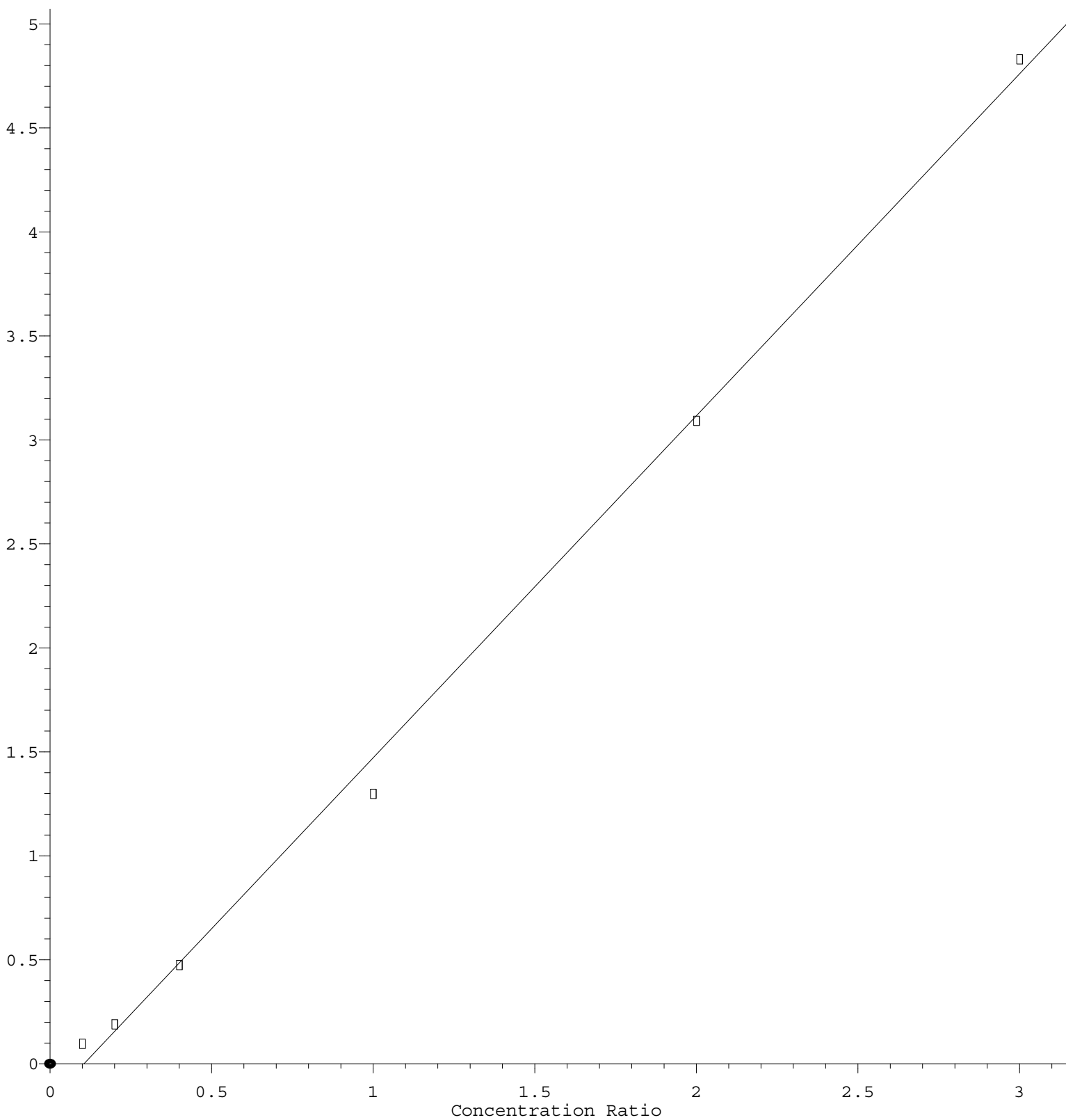
Method Path : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\
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57)	T	1,3-Dichloropr...	0.375	0.363	0.401	0.376	0.399	0.376	0.381	3.94
58)	T	2-Chloroethyl ...	0.094	0.097	0.119	0.127	0.146	0.146	0.122	18.71
59)	T	2-Hexanone	0.101	0.099	0.127	0.114	0.132	0.133	0.118	12.88
60)	T	Dibromochlorom...	0.325	0.314	0.342	0.326	0.347	0.329	0.330	3.67
61)	T	1,2-Dibromoethane	0.221	0.208	0.240	0.222	0.238	0.226	0.226	5.28
62)	S	4-Bromofluorob...	0.354	0.354	0.379	0.388	0.400	0.385	0.376	5.04
63)	I	Chlorobenzene-d5	-----ISTD-----							
64)	T	Tetrachloroethene	0.554	0.549	0.545	0.512	0.500	0.462	0.520	6.87
65)	PM	Chlorobenzene	1.096	1.095	1.109	1.067	1.107	1.057	1.088	1.97
66)	T	1,1,1,2-Tetrac...	0.396	0.380	0.387	0.377	0.394	0.376	0.385	2.25
67)	C	Ethyl Benzene	1.589	1.661	1.787	1.807	1.908	1.819	1.762	6.59#
68)	T	m/p-Xylenes	0.618	0.671	0.722	0.727	0.757	0.727	0.704	7.13
69)	T	o-Xylene	0.562	0.600	0.659	0.674	0.717	0.691	0.651	9.02
70)	T	Styrene	0.903	0.979	1.110	1.121	1.184	1.145	1.074	10.12
71)	P	Bromoform	0.222	0.209	0.230	0.219	0.238	0.231	0.225	4.47
72)	I	1,4-Dichlorobenzen...	-----ISTD-----							
73)	T	Isopropylbenzene	2.940	3.203	3.298	3.461	3.641	3.521	3.344	7.55
74)	T	N-amyl acetate	0.455	0.481	0.523	0.577	0.663	0.698	0.566	17.36
75)	P	1,1,2,2-Tetrac...	0.553	0.494	0.522	0.503	0.569	0.564	0.534	6.05
76)	T	1,2,3-Trichlor...	0.403	0.453	0.410	0.373	0.397	0.391	0.405	6.62
77)	T	Bromobenzene	0.837	0.855	0.850	0.862	0.915	0.885	0.867	3.25
78)	T	n-propylbenzene	3.526	3.781	3.927	4.085	4.205	4.076	3.933	6.30
79)	T	2-Chlorotoluene	2.100	2.244	2.288	2.325	2.407	2.332	2.283	4.58
80)	T	1,3,5-Trimethy...	2.330	2.604	2.734	2.834	2.943	2.857	2.717	8.18
81)	T	trans-1,4-Dich...	0.173	0.169	0.172	0.172	0.192	0.196	0.179	6.63
82)	T	4-Chlorotoluene	2.193	2.325	2.382	2.387	2.455	2.383	2.354	3.79
83)	T	tert-Butylbenzene	2.172	2.326	2.402	2.558	2.717	2.674	2.475	8.56
84)	T	1,2,4-Trimethy...	2.248	2.601	2.701	2.819	2.931	2.846	2.691	9.13
85)	T	sec-Butylbenzene	3.176	3.473	3.539	3.675	3.830	3.722	3.569	6.47
86)	T	p-Isopropyltol...	2.577	2.830	3.007	3.166	3.291	3.258	3.022	9.17
87)	T	1,3-Dichlorobe...	1.680	1.703	1.714	1.694	1.744	1.709	1.707	1.28
88)	T	1,4-Dichlorobe...	1.752	1.685	1.666	1.652	1.679	1.630	1.677	2.49
89)	T	n-Butylbenzene	2.293	2.441	2.557	2.752	2.877	2.844	2.627	8.95
90)	T	Hexachloroethane	0.657	0.656	0.632	0.639	0.664	0.648	0.649	1.85
91)	T	1,2-Dichlorobe...	1.468	1.467	1.488	1.454	1.494	1.457	1.471	1.12
92)	T	1,2-Dibromo-3-...	0.085	0.076	0.083	0.076	0.086	0.086	0.082	5.72
93)	T	1,2,4-Trichlor...	0.738	0.747	0.835	0.853	0.933	0.944	0.842	10.46
94)	T	Hexachlorobuta...	0.561	0.551	0.538	0.552	0.560	0.546	0.551	1.58
95)	T	Naphthalene	0.956	0.948	1.187	1.298	1.546	1.610	1.257	22.51
96)	T	1,2,3-Trichlor...	0.619	0.611	0.698	0.717	0.782	0.791	0.703	10.93

(#) = Out of Range

Naphthalene

Response Ratio



$$\text{Response} = 1.644\text{e}+000 * \text{Amt} - 1.730\text{e}-001$$

Coef of Det (r^2) = 0.997394 Curve Fit: Linear

Method Name: Z:\voasrv\HPCHEM1\MSVOA Y\methods\82Y110425S.M

Calibration Table Last Updated: Wed Nov 05 04:41:50 2025