

Method Path : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\
 Method File : 82Y071825S.M
 Title : SW846 8260
 Last Update : Sat Jul 19 01:50:49 2025
 Response Via : Initial Calibration

Calibration Files

5 =VY022990.D 10 =VY022991.D 20 =VY022992.D 50 =VY022993.D 100 =VY022994.D 150 =VY022995.D

	Compound	5	10	20	50	100	150	Avg	%RSD
1) I	Pentafluorobenzene	-----ISTD-----							
2) T	Dichlorodifluo...	0.490	0.456	0.508	0.367	0.361	0.364	0.425	16.07
3) P	Chloromethane	0.789	0.743	0.886	0.618	0.632	0.663	0.722	14.46
4) C	Vinyl Chloride	0.938	0.939	1.131	0.825	0.825	0.829	0.915	13.07#
5) T	Bromomethane	0.708	0.665	0.792	0.554	0.607	0.634	0.660	12.58
6) T	Chloroethane	0.620	0.627	0.731	0.556	0.563	0.567	0.611	10.87
7) T	Trichlorofluor...	1.129	1.097	1.247	0.973	0.955	0.967	1.062	11.02
8) T	Diethyl Ether	0.298	0.273	0.314	0.248	0.268	0.266	0.278	8.57
9) T	1,1,2-Trichlor...	0.606	0.567	0.679	0.503	0.493	0.498	0.558	13.37
10) T	Methyl Iodide	0.465	0.542	0.692	0.569	0.605	0.603	0.579	12.99
11) T	Tert butyl alc...	0.027	0.029	0.034	0.029	0.031	0.033	0.031	8.75
12) CM	1,1-Dichloroet...	0.563	0.544	0.626	0.476	0.483	0.496	0.531	10.84#
13) T	Acrolein	0.020	0.018	0.024	0.007	0.008	0.009	0.014	50.14
14) T	Allyl chloride	0.810	0.773	0.939	0.741	0.789	0.806	0.809	8.42
15) T	Acrylonitrile	0.105	0.089	0.118	0.098	0.109	0.112	0.105	9.64
16) T	Acetone	0.113	0.091	0.108	0.077	0.080	0.080	0.092	16.95
17) T	Carbon Disulfide	1.692	1.624	1.962	1.438	1.471	1.475	1.610	12.37
18) T	Methyl Acetate	0.247	0.256	0.351	0.323	0.323	0.364	0.311	15.72
19) T	Methyl tert-bu...	1.179	1.145	1.451	1.191	1.320	1.359	1.274	9.51
20) T	Methylene Chlo...	1.478	1.041	0.933	0.607	0.594	0.575	0.871	40.90
21) T	trans-1,2-Dich...	0.597	0.571	0.707	0.533	0.567	0.574	0.591	10.17
22) T	Diisopropyl ether	1.597	1.593	1.988	1.595	1.759	1.772	1.717	9.14
23) T	Vinyl Acetate	0.775	0.767	0.989	0.807	0.928	0.926	0.865	10.84
24) P	1,1-Dichloroet...	1.062	1.063	1.261	0.986	1.049	1.051	1.079	8.69
25) T	2-Butanone	0.130	0.118	0.146	0.123	0.134	0.140	0.132	7.91
26) T	2,2-Dichloropr...	0.977	0.925	1.111	0.858	0.893	0.907	0.945	9.54
27) T	cis-1,2-Dichlo...	0.657	0.648	0.788	0.631	0.680	0.687	0.682	8.22
28) T	Bromochloromet...	0.394	0.391	0.488	0.398	0.425	0.413	0.418	8.73
29) T	Tetrahydrofuran	0.073	0.069	0.096	0.081	0.088	0.093	0.083	12.96
30) C	Chloroform	1.075	1.076	1.267	0.991	1.070	1.050	1.088	8.57#
31) T	Cyclohexane	1.175	1.012	1.175	0.880	0.887	0.918	1.008	13.67
32) T	1,1,1-Trichlor...	1.006	0.976	1.162	0.903	0.929	0.947	0.987	9.41
33) S	1,2-Dichloroet...	0.472	0.483	0.588	0.476	0.519	0.499	0.506	8.65
34) I	1,4-Difluorobenzene	-----ISTD-----							
35) S	Dibromofluorom...	0.302	0.302	0.374	0.302	0.309	0.314	0.317	8.92
36) T	1,1-Dichloropr...	0.505	0.479	0.600	0.472	0.462	0.480	0.500	10.23
37) T	Ethyl Acetate	0.183	0.173	0.207	0.176	0.185	0.189	0.186	6.51
38) T	Carbon Tetrach...	0.552	0.530	0.648	0.508	0.498	0.521	0.543	10.11
39) T	Methylcyclohexane	0.657	0.609	0.764	0.611	0.604	0.635	0.647	9.43
40) TM	Benzene	1.484	1.421	1.776	1.411	1.453	1.479	1.504	9.07
41) T	Methacrylonitrile	0.079	0.105	0.111	0.100	0.105	0.107	0.101	11.11
42) TM	1,2-Dichloroet...	0.361	0.342	0.434	0.358	0.375	0.376	0.374	8.54
43) T	Isopropyl Acetate	0.316	0.314	0.421	0.365	0.389	0.405	0.369	12.28
44) TM	Trichloroethene	0.402	0.374	0.450	0.365	0.361	0.367	0.386	8.94
45) C	1,2-Dichloropr...	0.352	0.327	0.414	0.327	0.342	0.346	0.351	9.24#
46) T	Dibromomethane	0.176	0.162	0.209	0.174	0.182	0.186	0.182	8.84
47) T	Bromodichlorom...	0.487	0.463	0.588	0.473	0.501	0.501	0.502	8.89
48) T	Methyl methacr...	0.148	0.149	0.200	0.180	0.189	0.203	0.178	13.72
49) T	1,4-Dioxane	0.002	0.002	0.002	0.002	0.002	0.002	0.002	12.38
50) S	Toluene-d8	1.197	1.205	1.481	1.205	1.223	1.235	1.258	8.78
51) T	4-Methyl-2-Pen...	0.150	0.155	0.212	0.191	0.200	0.214	0.187	14.96
52) CM	Toluene	0.865	0.868	1.088	0.892	0.939	0.960	0.935	8.98#
53) T	t-1,3-Dichloro...	0.383	0.376	0.493	0.414	0.452	0.467	0.431	10.93
54) T	cis-1,3-Dichlo...	0.478	0.464	0.605	0.492	0.528	0.549	0.519	10.11
55) T	1,1,2-Trichlor...	0.225	0.213	0.274	0.228	0.243	0.249	0.239	8.99
56) T	Ethyl methacry...	0.234	0.242	0.322	0.301	0.336	0.351	0.298	16.55

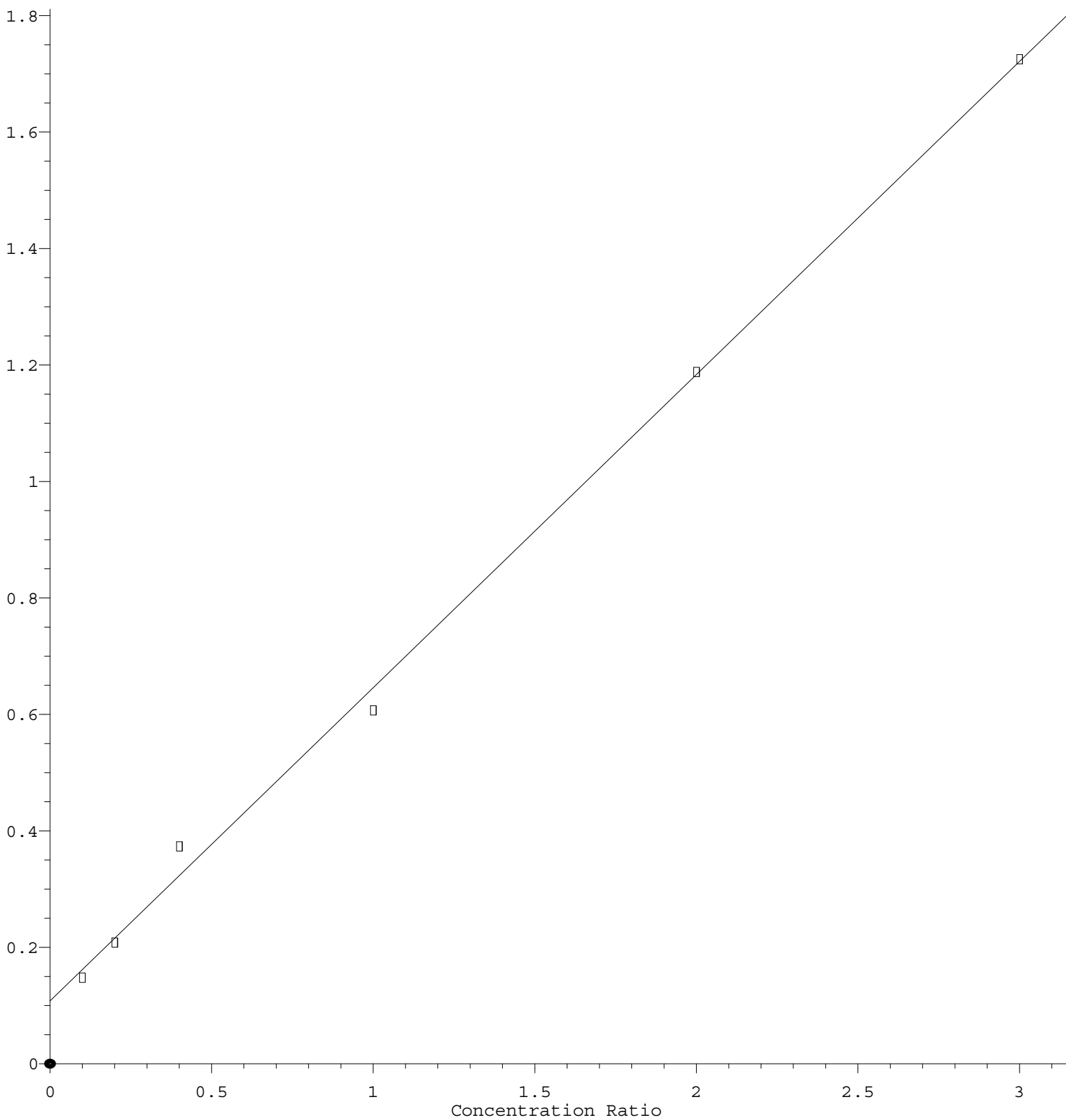
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57)	T	1,3-Dichloropr...	0.386	0.366	0.477	0.393	0.422	0.430	0.412	9.56
58)	T	2-Chloroethyl ...	0.108	0.117	0.154	0.157	0.166	0.173	0.146	18.34
59)	T	2-Hexanone	0.100	0.100	0.136	0.127	0.133	0.144	0.123	15.40
60)	T	Dibromochlorom...	0.284	0.275	0.359	0.303	0.322	0.331	0.312	10.00
61)	T	1,2-Dibromoethane	0.197	0.193	0.248	0.210	0.223	0.229	0.217	9.59
62)	S	4-Bromofluorob...	0.409	0.353	0.441	0.369	0.398	0.406	0.396	7.88
63)	I	Chlorobenzene-d5	-----ISTD-----							
64)	T	Tetrachloroethene	0.555	0.540	0.564	0.513	0.474	0.421	0.511	10.72
65)	PM	Chlorobenzene	1.151	1.151	1.356	1.114	1.145	1.163	1.180	7.45
66)	T	1,1,1,2-Tetrac...	0.399	0.383	0.457	0.376	0.394	0.406	0.402	7.23
67)	C	Ethyl Benzene	1.993	1.951	2.413	2.007	2.064	2.119	2.091	8.05#
68)	T	m/p-Xylenes	0.755	0.736	0.928	0.772	0.802	0.820	0.802	8.56
69)	T	o-Xylene	0.676	0.679	0.859	0.713	0.759	0.781	0.744	9.39
70)	T	Styrene	1.060	1.085	1.399	1.188	1.268	1.316	1.219	10.93
71)	P	Bromoform	0.186	0.183	0.223	0.194	0.215	0.226	0.204	9.43
72)	I	1,4-Dichlorobenzen...	-----ISTD-----							
73)	T	Isopropylbenzene	4.176	4.073	5.014	4.052	3.914	4.206	4.239	9.28
74)	T	N-amyl acetate	0.682	0.709	0.873	0.794	0.832	0.904	0.799	11.10
75)	P	1,1,2,2-Tetrac...	0.558	0.561	0.749	0.560	0.582	0.671	0.613	12.90
76)	T	1,2,3-Trichlor...	0.616	0.599	0.713	0.596	0.580	0.633	0.623	7.65
77)	T	Bromobenzene	0.909	0.863	1.063	0.870	0.879	0.932	0.919	8.15
78)	T	n-propylbenzene	4.986	4.856	6.011	4.862	4.651	4.923	5.048	9.61
79)	T	2-Chlorotoluene	2.819	2.740	3.339	2.682	2.657	2.797	2.839	8.91
80)	T	1,3,5-Trimethy...	3.245	3.172	3.924	3.210	3.172	3.338	3.343	8.70
81)	T	trans-1,4-Dich...	0.203	0.189	0.234	0.200	0.204	0.225	0.209	8.14
82)	T	4-Chlorotoluene	2.826	2.738	3.331	2.730	2.704	2.851	2.864	8.26
83)	T	tert-Butylbenzene	2.997	2.802	3.547	2.928	2.833	3.014	3.020	9.00
84)	T	1,2,4-Trimethy...	3.148	3.060	3.852	3.171	3.176	3.340	3.291	8.80
85)	T	sec-Butylbenzene	4.483	4.301	5.388	4.342	4.230	4.411	4.526	9.53
86)	T	p-Isopropyltol...	3.467	3.392	4.318	3.566	3.557	3.754	3.676	9.17
87)	T	1,3-Dichlorobe...	1.871	1.736	2.121	1.750	1.783	1.871	1.855	7.69
88)	T	1,4-Dichlorobe...	1.838	1.717	2.062	1.687	1.706	1.761	1.795	7.88
89)	T	n-Butylbenzene	3.290	3.137	3.991	3.280	3.275	3.378	3.392	8.94
90)	T	Hexachloroethane	0.808	0.713	0.894	0.713	0.701	0.737	0.761	9.97
91)	T	1,2-Dichlorobe...	1.589	1.455	1.790	1.478	1.508	1.571	1.565	7.80
92)	T	1,2-Dibromo-3-...	0.084	0.083	0.101	0.090	0.090	0.098	0.091	7.80
93)	T	1,2,4-Trichlor...	0.781	0.726	0.946	0.794	0.838	0.864	0.825	9.26
94)	T	Hexachlorobuta...	0.581	0.492	0.630	0.473	0.473	0.471	0.520	13.17
95)	T	Naphthalene	1.028	1.049	1.403	1.381	1.484	1.595	1.323	17.61
96)	T	1,2,3-Trichlor...	0.628	0.603	0.757	0.671	0.709	0.720	0.681	8.61

(#) = Out of Range

Methylene Chloride

Response Ratio



$$\text{Response} = 5.378\text{e-}001 * \text{Amt} + 1.076\text{e-}001$$

Coef of Det (r^2) = 0.997789 Curve Fit: Linear

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Calibration Table Last Updated: Sat Jul 19 01:50:49 2025