

Method Path : Z:\voasrv\HPCHEM1\MSVOA_D\Method\
 Method File : 82D121522S.M
 Title : SW846 8260
 Last Update : Fri Dec 16 05:30:45 2022
 Response Via : Initial Calibration

Calibration Files

10 =VD075024.D 5 =VD075023.D 20 =VD075025.D 50 =VD075026.D 100 =VD075027.D 150 =VD075028.D

	Compound	10	5	20	50	100	150	Avg	%RSD
1) I	Pentafluorobenzene	-----ISTD-----							
2) T	Dichlorodifluo...	0.410	0.312	0.397	0.263	0.277	0.292	0.325	19.44
3) P	Chloromethane	0.712	0.426	0.660	0.423	0.441	0.452	0.519	25.20
4) C	Vinyl Chloride	0.818	0.534	0.796	0.557	0.585	0.607	0.650	19.20#
5) T	Bromomethane	0.699	0.519	0.610	0.428	0.452	0.490	0.533	19.33
6) T	Chloroethane	0.590	0.398	0.571	0.418	0.448	0.466	0.482	16.64
7) T	Trichlorofluor...	0.963	0.740	0.943	0.699	0.742	0.784	0.812	13.88
8) T	Diethyl Ether	0.271	0.183	0.253	0.210	0.243	0.243	0.234	13.56
9) T	1,1,2-Trichlor...	0.607	0.498	0.590	0.473	0.503	0.522	0.532	10.12
10) T	Methyl Iodide	0.592	0.355	0.625	0.545	0.628	0.674	0.570	19.95
11) T	Tert butyl alc...	0.033	0.034	0.030	0.022	0.027	0.025	0.028	16.64
12) CM	1,1-Dichloroet...	0.584	0.411	0.563	0.437	0.480	0.506	0.497	13.73#
13) T	Acrolein	0.058	0.044	0.058	0.042	0.053	0.050	0.051	13.02
14) T	Allyl chloride	0.632	0.442	0.642	0.514	0.572	0.593	0.566	13.49
15) T	Acrylonitrile	0.106	0.081	0.109	0.090	0.105	0.103	0.099	11.23
16) T	Acetone	0.101	0.083	0.097	0.096	0.113	0.108	0.100	10.40
17) T	Carbon Disulfide	1.547	0.729	1.469	0.987	1.041	1.094	1.145	27.03
18) T	Methyl Acetate	0.323	0.328	0.312	0.201	0.242	0.239	0.274	19.45
19) T	Methyl tert-bu...	1.134	0.817	1.116	0.966	1.117	1.132	1.047	12.38
20) T	Methylene Chlo...	1.415	2.141	1.052	0.597	0.603	0.577	1.064	58.71
21) T	trans-1,2-Dich...	0.641	0.461	0.627	0.498	0.528	0.549	0.551	12.97
22) T	Diisopropyl ether	1.364	0.981	1.398	1.224	1.348	1.379	1.282	12.47
23) T	Vinyl Acetate	0.496	0.349	0.494	0.485	0.568	0.600	0.499	17.42
24) P	1,1-Dichloroet...	1.082	0.843	1.030	0.841	0.897	0.944	0.940	10.55
25) T	2-Butanone	0.132	0.101	0.129	0.112	0.134	0.126	0.122	10.57
26) T	2,2-Dichloropr...	0.964	0.828	0.908	0.764	0.834	0.856	0.859	8.07
27) T	cis-1,2-Dichlo...	0.718	0.549	0.717	0.591	0.653	0.666	0.649	10.46
28) T	Bromochloromet...	0.336	0.242	0.336	0.260	0.296	0.251	0.287	14.79
29) T	Tetrahydrofuran	0.069	0.047	0.070	0.060	0.071	0.060	0.063	14.58
30) C	Chloroform	1.014	0.966	1.116	0.921	0.998	0.851	0.978	9.16#
31) T	Cyclohexane	0.738	0.650	0.688	0.586	0.579	0.591	0.639	10.15
32) T	1,1,1-Trichlor...	0.826	0.806	0.942	0.799	0.856	0.745	0.829	8.03
33) S	1,2-Dichloroet...	0.461	0.445	0.450	0.366	0.422	0.418	0.427	8.03
34) I	1,4-Difluorobenzene	-----ISTD-----							
35) S	Dibromofluorom...	0.299	0.307	0.324	0.367	0.360	0.288	0.324	10.05
36) T	1,1-Dichloropr...	0.392	0.349	0.390	0.375	0.357	0.365	0.371	4.76
37) T	Ethyl Acetate	0.152	0.111	0.163	0.154	0.156	0.129	0.144	13.77
38) T	Carbon Tetrach...	0.333	0.329	0.342	0.352	0.341	0.352	0.341	2.73
39) T	Methylcyclohexane	0.423	0.370	0.448	0.427	0.415	0.424	0.418	6.22
40) TM	Benzene	1.184	1.105	1.167	1.137	1.086	1.105	1.131	3.44
41) T	Methacrylonitrile	0.078	0.090	0.079	0.093	0.085	0.080	0.084	7.45
42) TM	1,2-Dichloroet...	0.302	0.277	0.284	0.273	0.266	0.259	0.277	5.44
43) T	Isopropyl Acetate	0.243	0.222	0.248	0.251	0.265	0.251	0.247	5.73
44) TM	Trichloroethene	0.332	0.335	0.326	0.310	0.305	0.310	0.320	4.10
45) C	1,2-Dichloropr...	0.288	0.267	0.286	0.280	0.275	0.275	0.279	2.85#
46) T	Dibromomethane	0.159	0.158	0.155	0.153	0.150	0.148	0.154	2.98
47) T	Bromodichlorom...	0.409	0.400	0.395	0.390	0.384	0.384	0.394	2.49
48) T	Methyl methacr...	0.116	0.102	0.120	0.117	0.122	0.119	0.116	6.32
49) T	1,4-Dioxane	0.001	0.001	0.002	0.002	0.002	0.002	0.001	14.36
50) S	Toluene-d8	1.167	0.944	1.205	1.249	1.244	1.230	1.173	9.89
51) T	4-Methyl-2-Pen...	0.126	0.095	0.131	0.136	0.141	0.133	0.127	12.80
52) CM	Toluene	0.769	0.560	0.761	0.761	0.726	0.740	0.720	11.08#
53) T	t-1,3-Dichloro...	0.333	0.287	0.330	0.349	0.356	0.363	0.336	8.19
54) T	cis-1,3-Dichlo...	0.429	0.392	0.431	0.432	0.430	0.437	0.425	3.86
55) T	1,1,2-Trichlor...	0.225	0.192	0.227	0.224	0.218	0.215	0.217	6.04
56) T	Ethyl methacry...	0.232	0.164	0.242	0.258	0.267	0.260	0.237	16.00

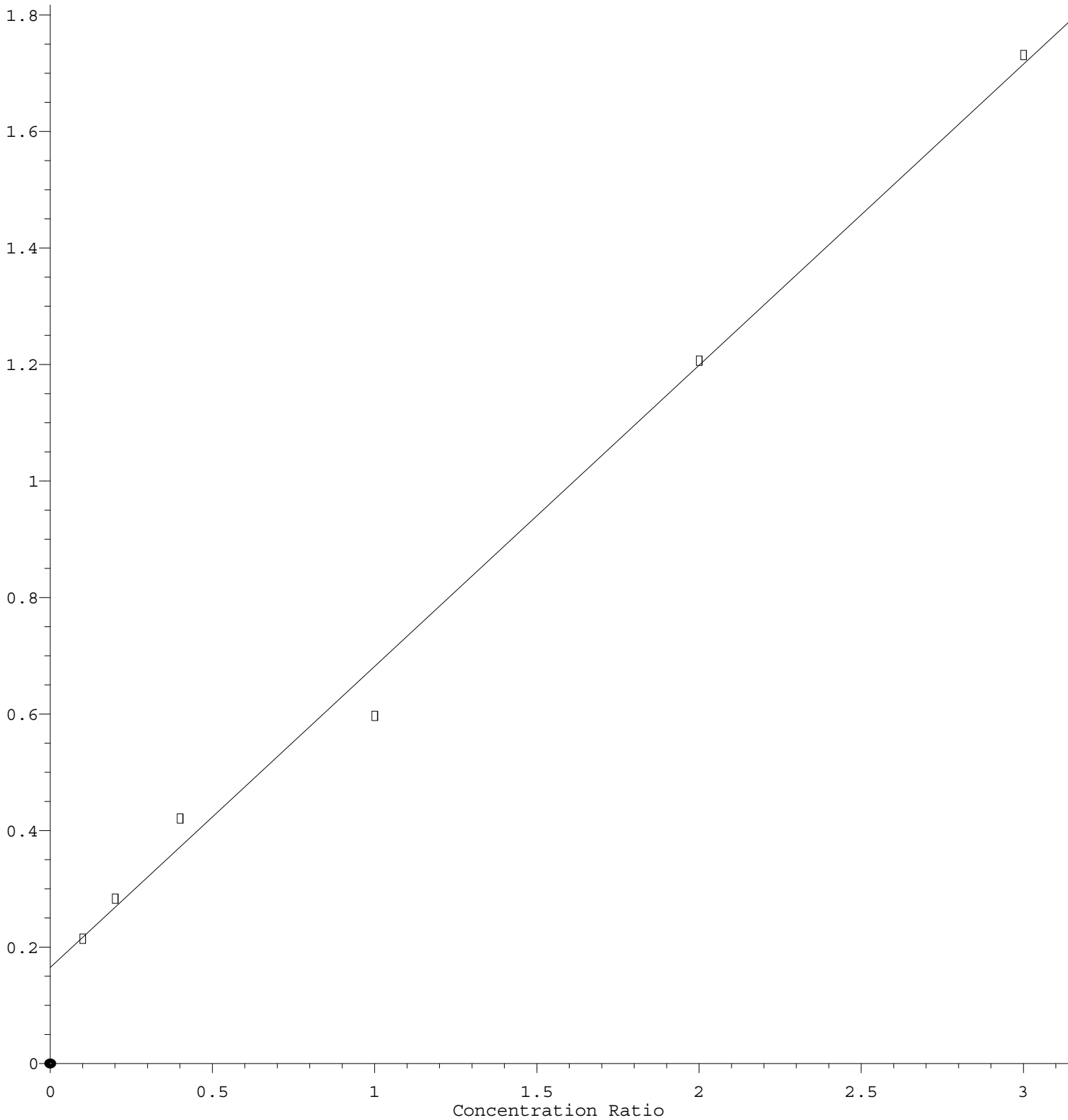
Method Path : Z:\voasrv\HPCHEM1\MSVOA_D\Method\
 Method File : 82D121522S.M

57)	T	1,3-Dichloropr...	0.369	0.292	0.366	0.364	0.360	0.354	0.351	8.29
58)	T	2-Chloroethyl ...	0.068	0.073	0.076	0.082	0.098	0.093	0.082	14.52
59)	T	2-Hexanone	0.089	0.064	0.091	0.101	0.106	0.098	0.092	16.12
60)	T	Dibromochlorom...	0.261	0.209	0.264	0.261	0.262	0.257	0.252	8.50
61)	T	1,2-Dibromoethane	0.205	0.158	0.207	0.200	0.202	0.197	0.195	9.39
62)	S	4-Bromofluorob...	0.343	0.288	0.349	0.365	0.371	0.364	0.347	8.87
63)	I	Chlorobenzene-d5	-----ISTD-----							
64)	T	Tetrachloroethene	0.312	0.325	0.306	0.289	0.272	0.273	0.296	7.28
65)	PM	Chlorobenzene	0.952	0.933	0.908	0.905	0.869	0.885	0.909	3.33
66)	T	1,1,1,2-Tetrac...	0.331	0.357	0.318	0.321	0.318	0.325	0.328	4.49
67)	C	Ethyl Benzene	1.550	1.495	1.554	1.643	1.604	1.634	1.580	3.61#
68)	T	m/p-Xylenes	0.621	0.585	0.631	0.644	0.621	0.639	0.624	3.37
69)	T	o-Xylene	0.570	0.536	0.572	0.609	0.586	0.612	0.581	4.89
70)	T	Styrene	0.981	0.918	1.011	1.059	1.022	1.048	1.006	5.13
71)	P	Bromoform	0.165	0.172	0.156	0.166	0.164	0.162	0.164	3.29
72)	I	1,4-Dichlorobenzen...	-----ISTD-----							
73)	T	Isopropylbenzene	3.150	3.244	3.301	3.515	3.310	3.460	3.330	4.08
74)	T	N-amyl acetate	0.534	0.504	0.553	0.587	0.592	0.574	0.557	6.06
75)	P	1,1,2,2-Tetrac...	0.603	0.587	0.615	0.594	0.581	0.565	0.591	2.95
76)	T	1,2,3-Trichlor...	0.427	0.509	0.416	0.414	0.405	0.328	0.416	13.90
77)	T	Bromobenzene	0.775	0.762	0.740	0.769	0.739	0.753	0.756	1.98
78)	T	n-propylbenzene	3.901	3.898	4.089	4.311	3.994	4.123	4.053	3.87
79)	T	2-Chlorotoluene	2.227	2.190	2.189	2.315	2.163	2.231	2.219	2.41
80)	T	1,3,5-Trimethy...	2.715	2.561	2.800	2.881	2.717	2.803	2.746	4.00
81)	T	trans-1,4-Dich...	0.151	0.146	0.154	0.160	0.160	0.164	0.156	4.18
82)	T	4-Chlorotoluene	2.410	2.280	2.314	2.374	2.214	2.280	2.312	3.07
83)	T	tert-Butylbenzene	2.266	2.286	2.352	2.495	2.383	2.476	2.376	3.99
84)	T	1,2,4-Trimethy...	2.611	2.455	2.761	2.876	2.712	2.826	2.707	5.68
85)	T	sec-Butylbenzene	3.508	3.566	3.690	3.902	3.688	3.805	3.693	3.96
86)	T	p-Isopropyltol...	2.925	2.893	3.027	3.212	3.086	3.241	3.064	4.69
87)	T	1,3-Dichlorobe...	1.647	1.636	1.568	1.618	1.537	1.606	1.602	2.63
88)	T	1,4-Dichlorobe...	1.595	1.679	1.564	1.563	1.478	1.499	1.563	4.58
89)	T	n-Butylbenzene	2.726	2.799	2.824	3.009	2.866	2.994	2.870	3.89
90)	T	Hexachloroethane	0.528	0.587	0.541	0.564	0.540	0.562	0.554	3.86
91)	T	1,2-Dichlorobe...	1.416	1.371	1.349	1.384	1.310	1.325	1.359	2.88
92)	T	1,2-Dibromo-3-...	0.078	0.075	0.081	0.081	0.080	0.076	0.079	3.27
93)	T	1,2,4-Trichlor...	0.785	0.855	0.797	0.846	0.825	0.860	0.828	3.80
94)	T	Hexachlorobuta...	0.427	0.479	0.427	0.457	0.430	0.448	0.445	4.71
95)	T	Naphthalene	1.418	1.455	1.439	1.588	1.629	1.649	1.530	6.78
96)	T	1,2,3-Trichlor...	0.730	0.676	0.684	0.741	0.720	0.744	0.716	4.05

(#) = Out of Range

Methylene Chloride

Response Ratio



$$\text{Response} = 5.169\text{e-}001 * \text{Amt} + 1.648\text{e-}001$$

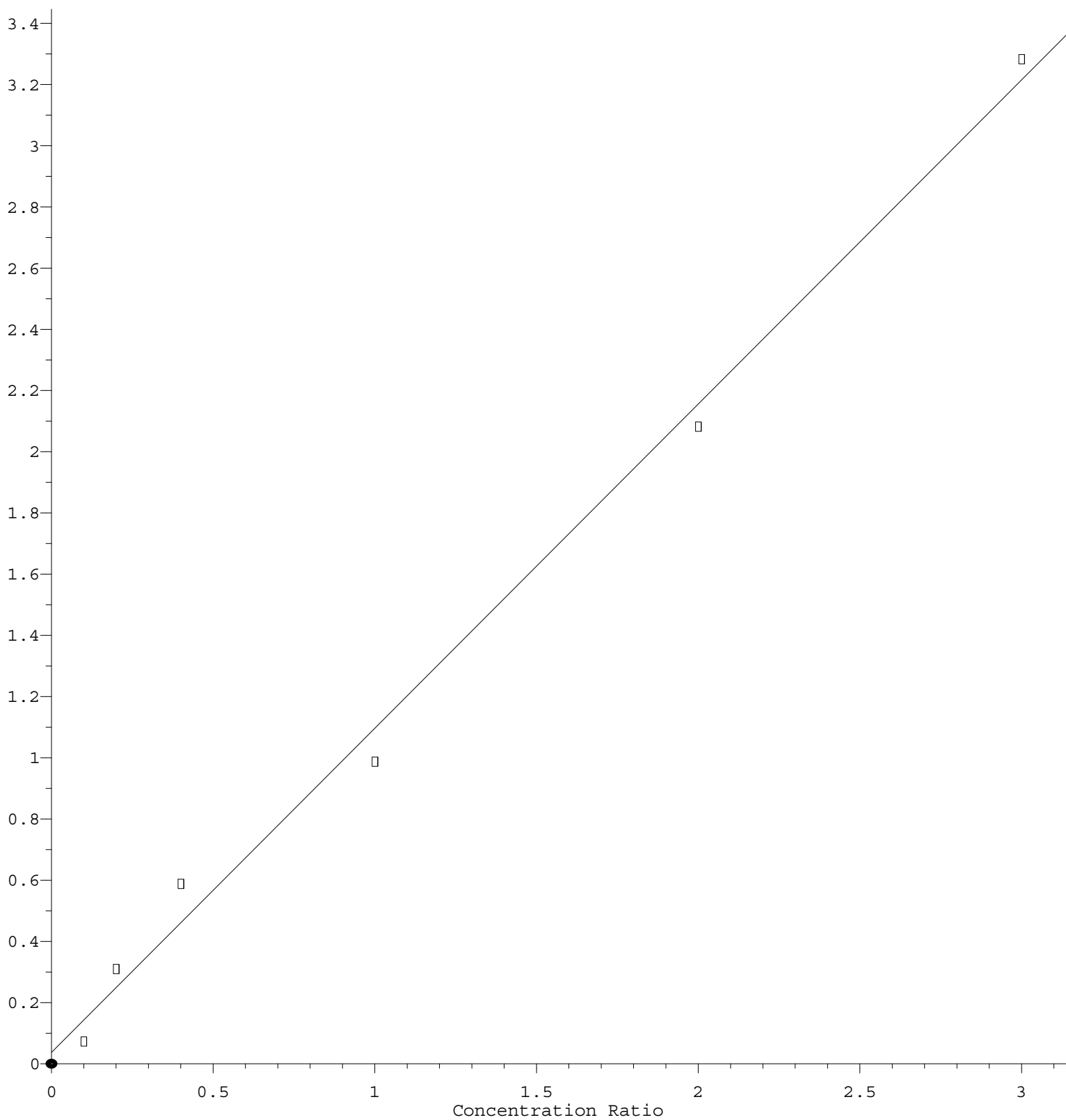
Coef of Det (r^2) = 0.994388 Curve Fit: Linear

Method Name: Z:\voasrv\HPCHEM1\MSVOA D\Method\82D121522S.M

Calibration Table Last Updated: Fri Dec 16 05:30:45 2022

Carbon Disulfide

Response Ratio



$$\text{Response} = 1.059\text{e}+000 * \text{Amt} + 3.744\text{e}-002$$

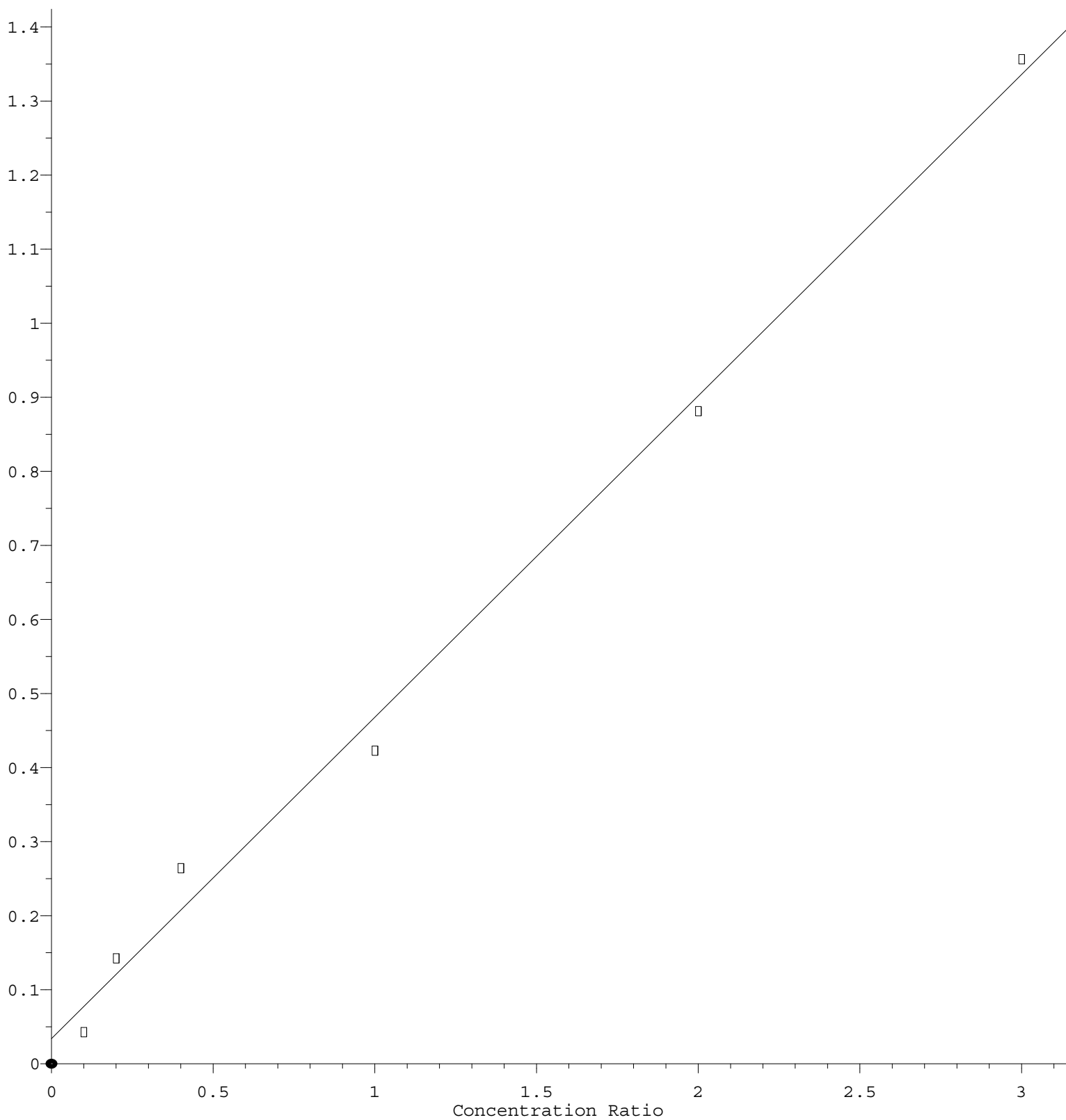
Coef of Det (r^2) = 0.993858 Curve Fit: Linear

Method Name: Z:\voasrv\HPCHEM1\MSVOA D\Method\82D121522S.M

Calibration Table Last Updated: Fri Dec 16 05:30:45 2022

Chloromethane

Response Ratio



$$\text{Response} = 4.341\text{e-}001 * \text{Amt} + 3.351\text{e-}002$$

Coef of Det (r^2) = 0.993920 Curve Fit: Linear

Method Name: Z:\voasrv\HPCHEM1\MSVOA D\Method\82D121522S.M

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