

Method Path : Z:\voasrv\HPCHEM1\MSVOA_D\Method\
 Method File : 82D101723S.M
 Title : SW846 8260
 Last Update : Wed Oct 18 03:02:43 2023
 Response Via : Initial Calibration

Calibration Files

5 =VD077340.D 10 =VD077341.D 150 =VD077345.D 50 =VD077343.D 100 =VD077344.D

Compound		5	10	150	50	100	Avg	%RSD

1) I	Pentafluorobenzene	-----ISTD-----						
2) T	Dichlorodifluoro...	0.496	0.492	0.423	0.443	0.471	0.465	6.78
3) P	Chloromethane	1.049	1.001	0.855	0.936	0.892	0.947	8.36
4) C	Vinyl Chloride	1.209	1.129	1.026	1.137	1.090	1.118	5.99#
5) T	Bromomethane	0.776	0.736	0.704	0.686	0.691	0.719	5.22
6) T	Chloroethane	0.876	0.839	0.702	0.774	0.739	0.786	9.05
7) T	Trichlorofluorom...	1.279	1.190	1.022	1.079	1.102	1.134	8.89
8) T	Diethyl Ether	0.253	0.308	0.363	0.239	0.357	0.304	18.88
9) T	1,1,2-Trichlorot...	0.580	0.537	0.656	0.508	0.654	0.587	11.40
10) T	Methyl Iodide	0.664	0.634	0.897	0.693	0.701	0.718	14.42
11) T	Tert butyl alcohol	0.031	0.028	0.021	0.023	0.022	0.025	16.56
12) CM	1,1-Dichloroethene	0.535	0.489	0.685	0.507	0.664	0.576	15.94#
13) T	Acrolein	0.043	0.040	0.054	0.032	0.049	0.044	18.83
14) T	Allyl chloride	0.505	0.481	0.739	0.500	0.507	0.546	19.82
15) T	Acrylonitrile	0.092	0.092	0.089	0.092	0.095	0.092	2.33
16) T	Acetone	0.085	0.086	0.124	0.083	0.112	0.098	19.17
17) T	Carbon Disulfide	1.662	1.600	2.143	1.558	1.498	1.692	15.32
18) T	Methyl Acetate	0.322	0.339	0.436	0.304	0.303	0.341	16.17
19) T	Methyl tert-buty...	0.888	0.928	1.025	1.017	1.046	0.981	7.02
20) T	Methylene Chloride	0.926	0.774	0.548	0.621	0.574	0.689	23.11
21) T	trans-1,2-Dichlo...	0.598	0.603	0.582	0.612	0.599	0.599	1.82
22) T	Diisopropyl ether	0.902	1.053	1.092	1.167	1.148	1.072	9.84
23) T	Vinyl Acetate	0.459	0.486	0.540	0.465	0.562	0.503	9.18
24) P	1,1-Dichloroethane	0.950	0.916	0.830	0.903	0.858	0.892	5.34
25) T	2-Butanone	0.103	0.098	0.099	0.103	0.104	0.102	2.74
26) T	2,2-Dichloropropane	0.830	0.856	0.779	0.810	0.790	0.813	3.80
27) T	cis-1,2-Dichloro...	0.651	0.675	0.671	0.679	0.680	0.671	1.77
28) T	Bromochloromethane	0.357	0.354	0.295	0.316	0.306	0.326	8.64
29) T	Tetrahydrofuran	0.055	0.054	0.059	0.061	0.063	0.059	6.54
30) C	Chloroform	1.065	1.090	0.947	1.044	0.969	1.023	6.05#
31) T	Cyclohexane	0.790	0.708	0.642	0.666	0.668	0.695	8.38
32) T	1,1,1-Trichloroe...	0.894	0.918	0.843	0.895	0.862	0.882	3.39
33) S	1,2-Dichloroetha...	0.537	0.484	0.386	0.416	0.409	0.446	13.98

34) I	1,4-Difluorobenzene	-----ISTD-----						
35) S	Dibromofluoromet...	0.400	0.368	0.334	0.317	0.337	0.351	9.40
36) T	1,1-Dichloropropene	0.446	0.446	0.473	0.466	0.478	0.462	3.28
37) T	Ethyl Acetate	0.155	0.140	0.145	0.132	0.152	0.145	6.39
38) T	Carbon Tetrachlo...	0.518	0.495	0.519	0.507	0.530	0.513	2.59
39) T	Methylcyclohexane	0.547	0.476	0.601	0.567	0.612	0.561	9.62
40) TM	Benzene	1.356	1.347	1.422	1.437	1.442	1.401	3.27
41) T	Methacrylonitrile	0.061	0.063	0.075	0.081	0.066	0.069	12.19
42) TM	1,2-Dichloroethane	0.334	0.326	0.320	0.335	0.334	0.330	1.94
43) T	Isopropyl Acetate	0.242	0.242	0.276	0.262	0.282	0.261	7.21
44) TM	Trichloroethene	0.413	0.381	0.422	0.413	0.419	0.410	4.01
45) C	1,2-Dichloropropane	0.314	0.322	0.321	0.330	0.328	0.323	1.89#
46) T	Dibromomethane	0.198	0.198	0.200	0.205	0.208	0.202	2.08
47) T	Bromodichloromet...	0.471	0.489	0.472	0.487	0.487	0.481	1.85
48) T	Methyl methacrylate	0.100	0.107	0.130	0.122	0.131	0.118	11.93
49) T	1,4-Dioxane	0.001	0.002	0.002	0.002	0.002	0.002	23.56
50) S	Toluene-d8	1.286	1.269	1.271	1.180	1.285	1.258	3.54
51) T	4-Methyl-2-Penta...	0.107	0.121	0.141	0.138	0.147	0.131	12.74
52) CM	Toluene	0.831	0.838	0.970	0.958	0.976	0.915	8.02#
53) T	t-1,3-Dichloropr...	0.370	0.411	0.458	0.453	0.468	0.432	9.45
54) T	cis-1,3-Dichloro...	0.487	0.503	0.546	0.546	0.562	0.529	6.04
55) T	1,1,2-Trichloroe...	0.275	0.281	0.273	0.284	0.285	0.280	1.88
56) T	Ethyl methacrylate	0.224	0.216	0.299	0.285	0.312	0.267	16.57

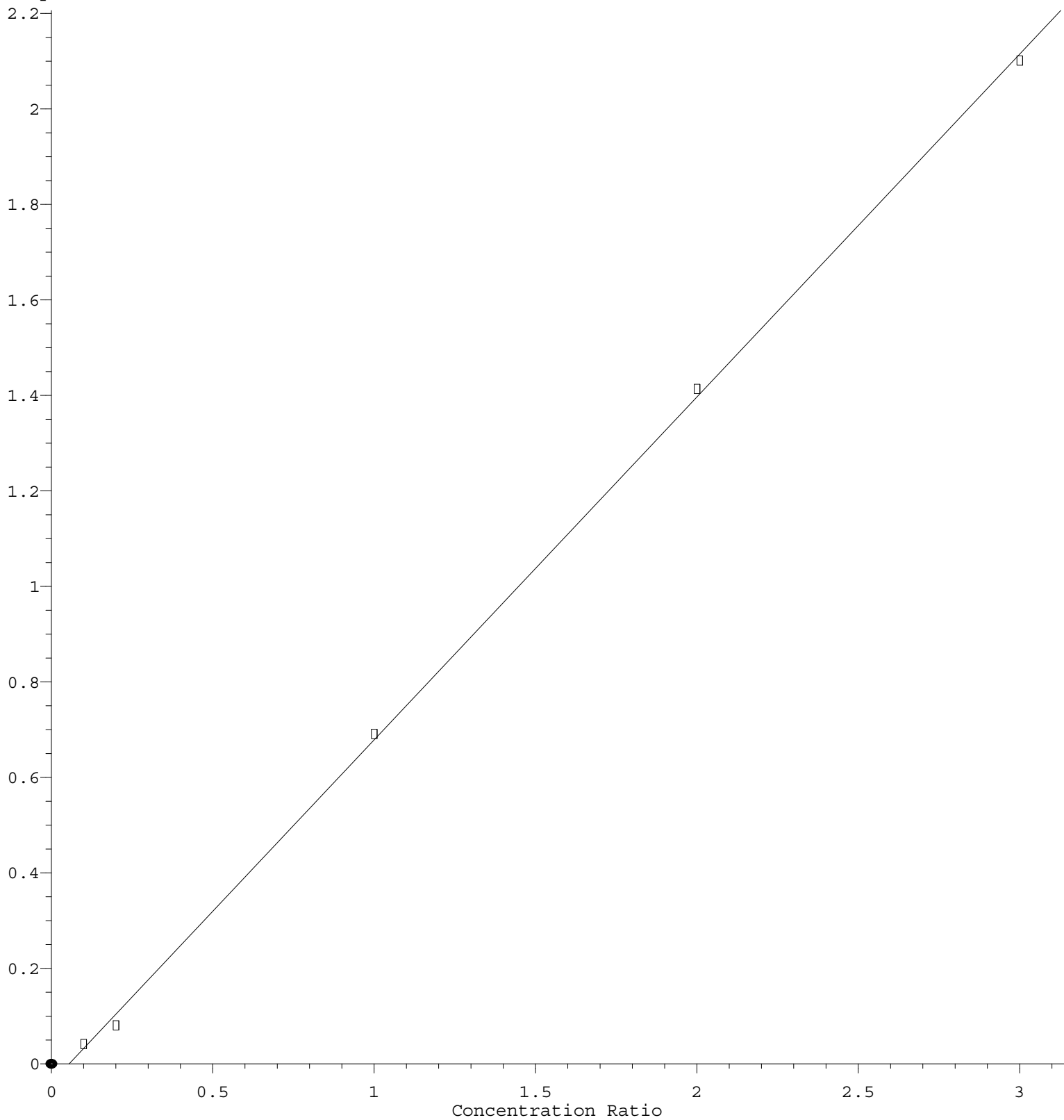
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57)	T	1,3-Dichloropropane	0.425	0.402	0.434	0.437	0.450	0.429	4.12
58)	T	2-Chloroethyl Vi...	0.109	0.121	0.144	0.138	0.148	0.132	12.66
59)	T	2-Hexanone	0.078	0.086	0.100	0.100	0.106	0.094	12.31
60)	T	Dibromochloromet...	0.354	0.349	0.358	0.359	0.365	0.357	1.64
61)	T	1,2-Dibromoethane	0.256	0.255	0.268	0.267	0.271	0.263	2.80
62)	S	4-Bromofluoroben...	0.369	0.342	0.375	0.347	0.377	0.362	4.52
63)	I	Chlorobenzene-d5	-----ISTD-----						
64)	T	Tetrachloroethene	0.361	0.356	0.384	0.368	0.389	0.372	3.88
65)	PM	Chlorobenzene	1.079	1.047	1.109	1.100	1.114	1.090	2.52
66)	T	1,1,1,2-Tetrachl...	0.400	0.394	0.433	0.414	0.429	0.414	4.13
67)	C	Ethyl Benzene	1.601	1.572	1.983	1.892	1.984	1.807	11.32#
68)	T	m/p-Xylenes	0.635	0.655	0.823	0.781	0.815	0.742	12.16
69)	T	o-Xylene	0.584	0.587	0.761	0.720	0.762	0.683	13.25
70)	T	Styrene	0.952	0.998	1.301	1.267	1.308	1.165	15.01
71)	P	Bromoform	0.212	0.215	0.233	0.231	0.244	0.227	5.91
72)	I	1,4-Dichlorobenzen...	-----ISTD-----						
73)	T	Isopropylbenzene	2.961	2.902	3.617	3.475	3.581	3.307	10.51
74)	T	N-amyl acetate	0.429	0.447	0.510	0.482	0.510	0.476	7.75
75)	P	1,1,2,2-Tetrachl...	0.647	0.601	0.570	0.597	0.590	0.601	4.75
76)	T	1,2,3-Trichlorop...	0.413	0.402	0.700	0.691	0.707	0.583	27.43
77)	T	Bromobenzene	0.824	0.798	0.912	0.892	0.916	0.868	6.20
78)	T	n-propylbenzene	3.656	3.622	4.203	4.215	4.220	3.983	7.89
79)	T	2-Chlorotoluene	2.096	2.022	2.270	2.228	2.232	2.169	4.87
80)	T	1,3,5-Trimethylb...	2.339	2.461	2.990	2.880	2.975	2.729	11.23
81)	T	trans-1,4-Dichlo...	0.175	0.169	0.197	0.194	0.197	0.187	7.10
82)	T	4-Chlorotoluene	2.110	2.186	2.347	2.328	2.322	2.259	4.63
83)	T	tert-Butylbenzene	2.205	2.117	2.650	2.477	2.649	2.420	10.26
84)	T	1,2,4-Trimethylb...	2.234	2.414	3.080	2.955	3.056	2.748	14.37
85)	T	sec-Butylbenzene	3.326	3.297	3.890	3.794	3.898	3.641	8.34
86)	T	p-Isopropyltoluene	2.674	2.756	3.572	3.322	3.492	3.163	13.28
87)	T	1,3-Dichlorobenzene	1.741	1.710	1.925	1.864	1.896	1.827	5.26
88)	T	1,4-Dichlorobenzene	1.820	1.813	1.808	1.799	1.814	1.811	0.45
89)	T	n-Butylbenzene	2.478	2.447	2.979	2.864	3.004	2.754	9.87
90)	T	Hexachloroethane	0.635	0.639	0.636	0.651	0.636	0.639	1.00
91)	T	1,2-Dichlorobenzene	1.520	1.479	1.572	1.575	1.571	1.544	2.76
92)	T	1,2-Dibromo-3-Ch...	0.058	0.075	0.075	0.080	0.081	0.074	12.78
93)	T	1,2,4-Trichlorob...	0.855	0.856	1.066	0.975	1.056	0.962	10.73
94)	T	Hexachlorobutadiene	0.564	0.494	0.569	0.534	0.570	0.546	5.97
95)	T	Naphthalene	1.398	1.339	1.854	1.672	1.856	1.624	15.14
96)	T	1,2,3-Trichlorob...	0.748	0.746	0.913	0.855	0.912	0.835	10.05

(#) = Out of Range

1,2,3-Trichloropropane

Response Ratio



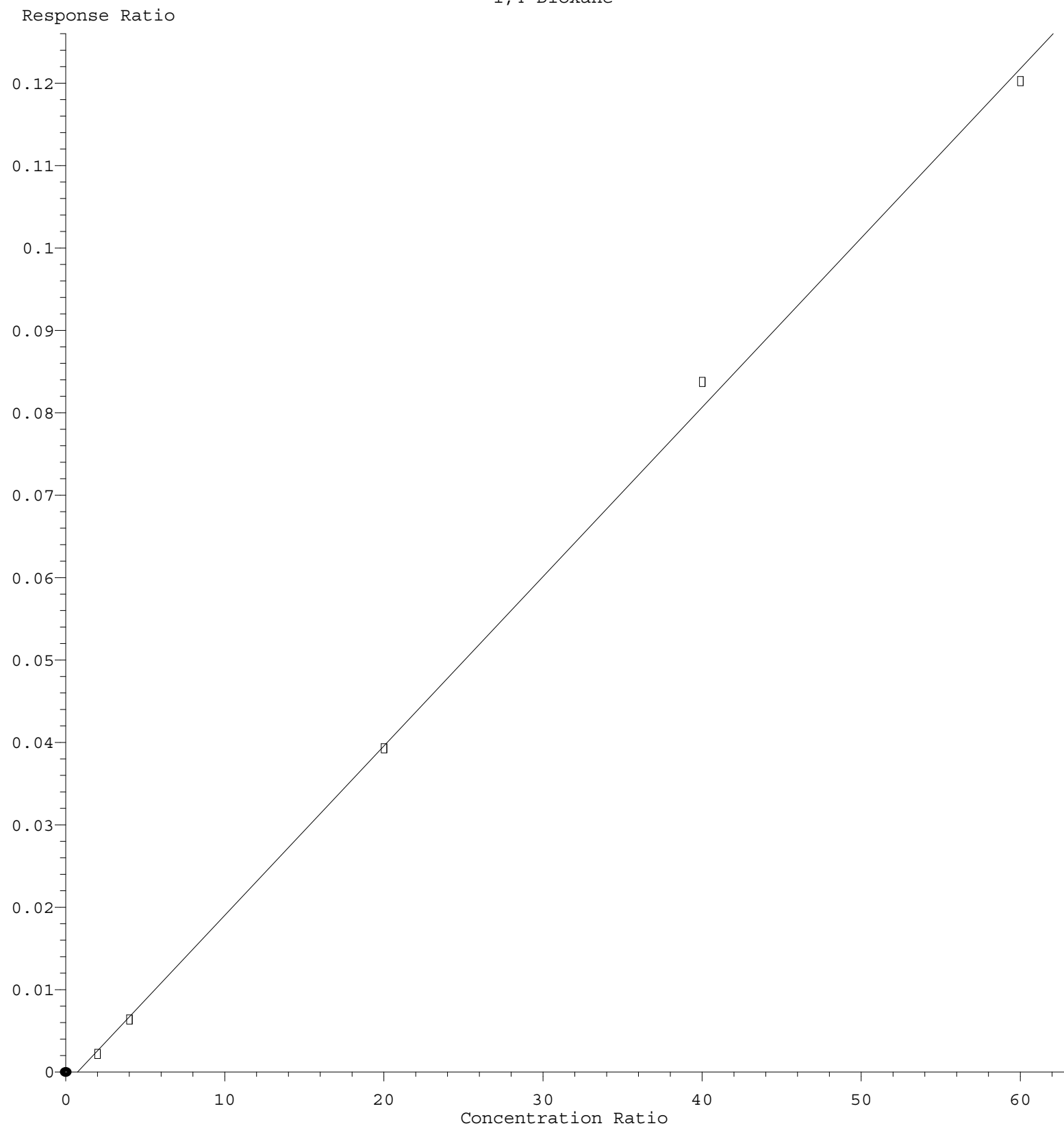
$$\text{Response} = 7.181\text{e-}001 * \text{Amt} - 3.934\text{e-}002$$

Coef of Det (r^2) = 0.999601 Curve Fit: Linear

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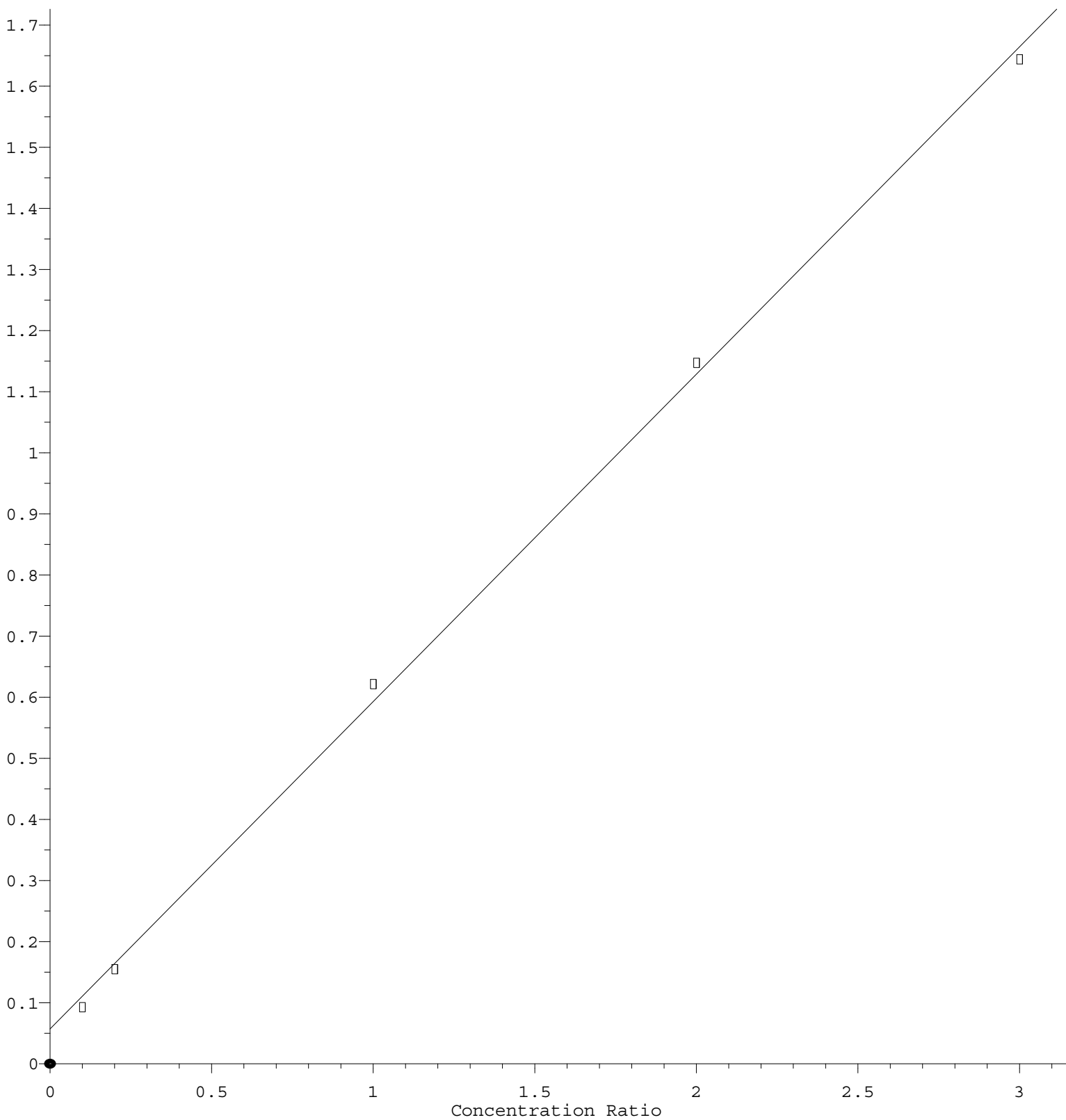
1,4-Dioxane



Response = $2.059 \times 10^{-3} \times \text{Amt} - 1.519 \times 10^{-3}$
 Coef of Det (r^2) = 0.998842 Curve Fit: Linear
 Method Name: Z:\voasrv\HPCHEM1\MSVOA D\Method\82D101723S.M
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Methylene Chloride

Response Ratio



$$\text{Response} = 5.360\text{e-}001 * \text{Amt} + 5.654\text{e-}002$$

Coef of Det (r^2) = 0.998871 Curve Fit: Linear

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