

Method Path : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\
 Method File : 82Y013025S.M
 Title : SW846 8260
 Last Update : Fri Jan 31 10:11:31 2025
 Response Via : Initial Calibration

Calibration Files

5 =VY020973.D 10 =VY020974.D 20 =VY020975.D 50 =VY020976.D 100 =VY020977.D 150 =VY020978.D

D

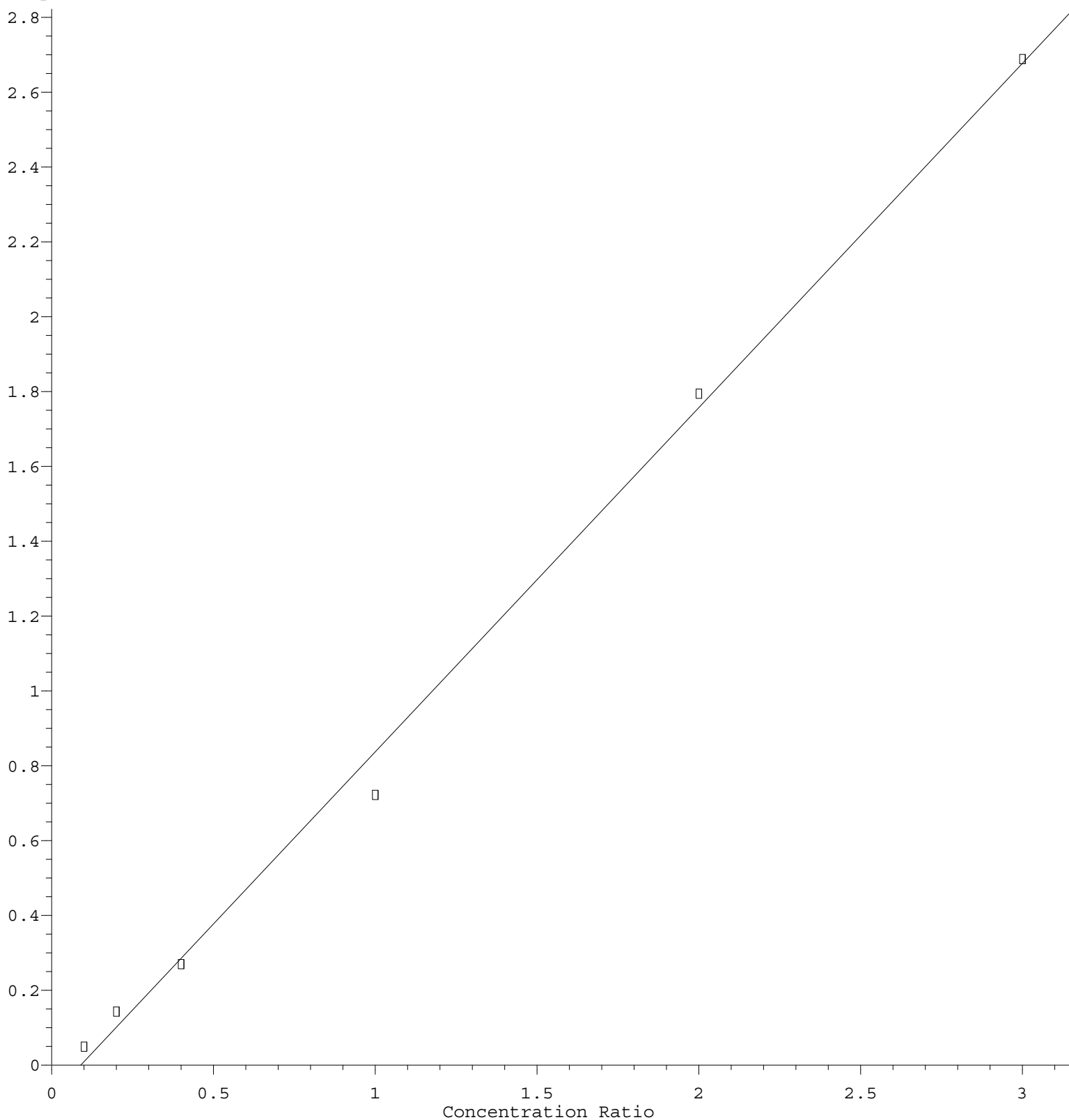
	Compound	5	10	20	50	100	150	Avg	%RSD
1) I	Pentafluorobenzene	-----ISTD-----							
2) T	Dichlorodifluo...	0.365	0.462	0.413	0.416	0.456	0.439	0.425	8.34
3) P	Chloromethane	0.268	0.308	0.253	0.250	0.282	0.261	0.270	8.07
4) C	Vinyl Chloride	0.238	0.318	0.268	0.271	0.303	0.273	0.279	10.18#
5) T	Bromomethane	0.186	0.221	0.172	0.180	0.195	0.178	0.189	9.50
6) T	Chloroethane	0.148	0.190	0.151	0.157	0.173	0.158	0.163	9.70
7) T	Trichlorofluor...	0.618	0.743	0.657	0.646	0.697	0.675	0.673	6.49
8) T	Diethyl Ether	0.157	0.231	0.189	0.193	0.224	0.210	0.201	13.43
9) T	1,1,2-Trichlor...	0.418	0.507	0.437	0.435	0.469	0.450	0.453	6.95
10) T	Methyl Iodide	0.422	0.537	0.485	0.523	0.583	0.559	0.518	11.12
11) T	Tert butyl alc...	0.038	0.044	0.030	0.022	0.029	0.024	0.031	26.08
12) CM	1,1-Dichloroet...	0.371	0.472	0.407	0.412	0.449	0.428	0.423	8.28#
13) T	Acrolein	0.033	0.043	0.036	0.031	0.037	0.035	0.036	11.42
14) T	Allyl chloride	0.519	0.637	0.562	0.567	0.625	0.585	0.583	7.47
15) T	Acrylonitrile	0.072	0.099	0.079	0.073	0.092	0.081	0.083	13.09
16) T	Acetone	0.056	0.074	0.053	0.049	0.061	0.053	0.058	15.32
17) T	Carbon Disulfide	1.155	1.429	1.271	1.274	1.379	1.313	1.303	7.32
18) T	Methyl Acetate	0.172	0.250	0.193	0.183	0.226	0.194	0.203	14.32
19) T	Methyl tert-bu...	0.801	1.126	0.948	0.924	1.101	1.011	0.985	12.30
20) T	Methylene Chlo...	0.419	0.486	0.419	0.394	0.439	0.411	0.428	7.45
21) T	trans-1,2-Dich...	0.395	0.496	0.445	0.444	0.488	0.455	0.454	7.99
22) T	Diisopropyl ether	1.004	1.354	1.217	1.149	1.261	1.141	1.188	10.03
23) T	Vinyl Acetate	0.539	0.763	0.653	0.620	0.726	0.647	0.658	12.07
24) P	1,1-Dichloroet...	0.686	0.845	0.769	0.736	0.805	0.756	0.766	7.18
25) T	2-Butanone	0.087	0.121	0.094	0.088	0.108	0.093	0.098	13.56
26) T	2,2-Dichloropr...	0.720	0.845	0.749	0.717	0.771	0.724	0.754	6.51
27) T	cis-1,2-Dichlo...	0.453	0.568	0.510	0.507	0.564	0.528	0.522	8.11
28) T	Bromochloromet...	0.255	0.324	0.271	0.283	0.302	0.278	0.285	8.56
29) T	Tetrahydrofuran	0.055	0.081	0.064	0.060	0.074	0.063	0.066	14.26
30) C	Chloroform	0.739	0.925	0.835	0.799	0.871	0.810	0.830	7.71#
31) T	Cyclohexane	0.761	0.844	0.755	0.708	0.741	0.684	0.749	7.34
32) T	1,1,1-Trichlor...	0.707	0.880	0.803	0.777	0.845	0.807	0.803	7.38
33) S	1,2-Dichloroet...	0.372	0.486	0.420	0.430	0.438	0.408	0.426	8.80
34) I	1,4-Difluorobenzene	-----ISTD-----							
35) S	Dibromofluorom...	0.243	0.337	0.292	0.316	0.311	0.304	0.301	10.57
36) T	1,1-Dichloropr...	0.381	0.470	0.427	0.420	0.447	0.428	0.429	6.89
37) T	Ethyl Acetate	0.138	0.183	0.158	0.145	0.179	0.155	0.160	11.36
38) T	Carbon Tetrach...	0.454	0.579	0.533	0.516	0.560	0.542	0.531	8.17
39) T	Methylcyclohexane	0.471	0.593	0.584	0.579	0.631	0.598	0.576	9.46
40) TM	Benzene	1.096	1.385	1.266	1.241	1.329	1.255	1.262	7.73
41) T	Methacrylonitrile	0.087	0.089	0.074	0.086	0.096	0.099	0.088	9.82
42) TM	1,2-Dichloroet...	0.275	0.360	0.317	0.305	0.342	0.321	0.320	9.23
43) T	Isopropyl Acetate	0.254	0.369	0.305	0.299	0.364	0.325	0.319	13.59
44) TM	Trichloroethene	0.306	0.378	0.350	0.337	0.369	0.350	0.348	7.25
45) C	1,2-Dichloropr...	0.235	0.316	0.290	0.278	0.301	0.277	0.283	9.71#
46) T	Dibromomethane	0.142	0.185	0.167	0.154	0.179	0.162	0.165	9.63
47) T	Bromodichlorom...	0.353	0.481	0.442	0.414	0.465	0.438	0.432	10.49
48) T	Methyl methacr...	0.116	0.167	0.155	0.143	0.177	0.154	0.152	13.89
49) T	1,4-Dioxane	0.001	0.002	0.002	0.001	0.002	0.002	0.002	16.35
50) S	Toluene-d8	0.948	1.266	1.187	1.244	1.224	1.172	1.173	9.88
51) T	4-Methyl-2-Pen...	0.129	0.192	0.166	0.151	0.188	0.159	0.164	14.28
52) CM	Toluene	0.656	0.869	0.856	0.819	0.887	0.828	0.819	10.25#
53) T	t-1,3-Dichloro...	0.300	0.422	0.394	0.378	0.442	0.410	0.391	12.71
54) T	cis-1,3-Dichlo...	0.373	0.502	0.483	0.455	0.515	0.477	0.467	10.85
55) T	1,1,2-Trichlor...	0.181	0.254	0.220	0.203	0.239	0.217	0.219	11.83

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56)	T	Ethyl methacry...	0.198	0.305	0.282	0.274	0.347	0.312	0.286	17.59
57)	T	1,3-Dichloropr...	0.298	0.423	0.380	0.350	0.407	0.368	0.371	12.00
58)	T	2-Chloroethyl ...	0.091	0.127	0.124	0.113	0.143	0.130	0.121	14.68
59)	T	2-Hexanone	0.075	0.124	0.107	0.099	0.127	0.108	0.107	17.67
60)	T	Dibromochlorom...	0.257	0.349	0.311	0.293	0.343	0.320	0.312	10.92
61)	T	1,2-Dibromoethane	0.177	0.235	0.210	0.192	0.231	0.211	0.209	10.68
62)	S	4-Bromofluorob...	0.313	0.417	0.393	0.419	0.423	0.397	0.394	10.46
-----ISTD-----										
63)	I	Chlorobenzene-d5								
64)	T	Tetrachloroethene	0.328	0.421	0.381	0.365	0.391	0.377	0.377	8.09
65)	PM	Chlorobenzene	0.897	1.158	1.068	1.028	1.115	1.055	1.053	8.48
66)	T	1,1,1,2-Tetrac...	0.310	0.424	0.379	0.362	0.392	0.376	0.374	10.02
67)	C	Ethyl Benzene	1.474	1.946	1.861	1.841	1.962	1.860	1.824	9.79#
68)	T	m/p-Xylenes	0.558	0.754	0.728	0.707	0.749	0.708	0.701	10.38
69)	T	o-Xylene	0.509	0.689	0.671	0.660	0.709	0.671	0.651	11.02
70)	T	Styrene	0.819	1.164	1.116	1.100	1.182	1.108	1.082	12.27
71)	P	Bromoform	0.188	0.252	0.214	0.208	0.241	0.220	0.220	10.45
-----ISTD-----										
72)	I	1,4-Dichlorobenzen...								
73)	T	Isopropylbenzene	2.836	3.703	3.604	3.406	3.859	3.661	3.512	10.31
74)	T	N-amyl acetate	0.451	0.709	0.625	0.594	0.772	0.685	0.639	17.43
75)	P	1,1,2,2-Tetrac...	0.494	0.677	0.567	0.498	0.617	0.548	0.567	12.49
76)	T	1,2,3-Trichlor...	0.312	0.473	0.403	0.372	0.422	0.393	0.396	13.57
77)	T	Bromobenzene	0.663	0.922	0.835	0.787	0.918	0.870	0.833	11.73
78)	T	n-propylbenzene	3.201	4.434	4.277	4.048	4.496	4.237	4.116	11.54
79)	T	2-Chlorotoluene	1.875	2.531	2.424	2.280	2.544	2.414	2.345	10.62
80)	T	1,3,5-Trimethy...	2.264	3.085	2.988	2.829	3.123	2.974	2.877	11.03
81)	T	trans-1,4-Dich...	0.142	0.218	0.189	0.174	0.220	0.201	0.191	15.47
82)	T	4-Chlorotoluene	1.956	2.555	2.512	2.342	2.592	2.441	2.400	9.78
83)	T	tert-Butylbenzene	2.071	2.787	2.761	2.629	2.961	2.801	2.668	11.65
84)	T	1,2,4-Trimethy...	2.112	2.995	2.929	2.784	3.113	2.929	2.810	12.75
85)	T	sec-Butylbenzene	2.952	4.092	3.895	3.770	4.111	3.846	3.778	11.29
86)	T	p-Isopropyltol...	2.382	3.338	3.250	3.234	3.519	3.324	3.175	12.64
87)	T	1,3-Dichlorobe...	1.387	1.754	1.643	1.577	1.737	1.643	1.623	8.21
88)	T	1,4-Dichlorobe...	1.402	1.757	1.616	1.553	1.717	1.628	1.612	7.84
89)	T	n-Butylbenzene	2.126	2.952	2.880	2.929	3.191	2.984	2.844	12.94
90)	T	Hexachloroethane	0.527	0.680	0.637	0.633	0.705	0.671	0.642	9.73
91)	T	1,2-Dichlorobe...	1.191	1.571	1.421	1.347	1.522	1.442	1.416	9.56
92)	T	1,2-Dibromo-3-...	0.070	0.100	0.082	0.078	0.101	0.093	0.087	14.34
93)	T	1,2,4-Trichlor...	0.604	0.845	0.814	0.853	1.046	1.038	0.867	18.89
94)	T	Hexachlorobuta...	0.463	0.620	0.587	0.593	0.671	0.669	0.600	12.74
95)	T	Naphthalene	0.808	1.336	1.242	1.345	1.831	1.796	1.393	27.35
96)	T	1,2,3-Trichlor...	0.493	0.715	0.675	0.722	0.897	0.896	0.733	20.67

(#) = Out of Range

1,2,3-Trichlorobenzene

Response Ratio



$$\text{Response} = 9.199\text{e-}001 * \text{Amt} - 8.273\text{e-}002$$

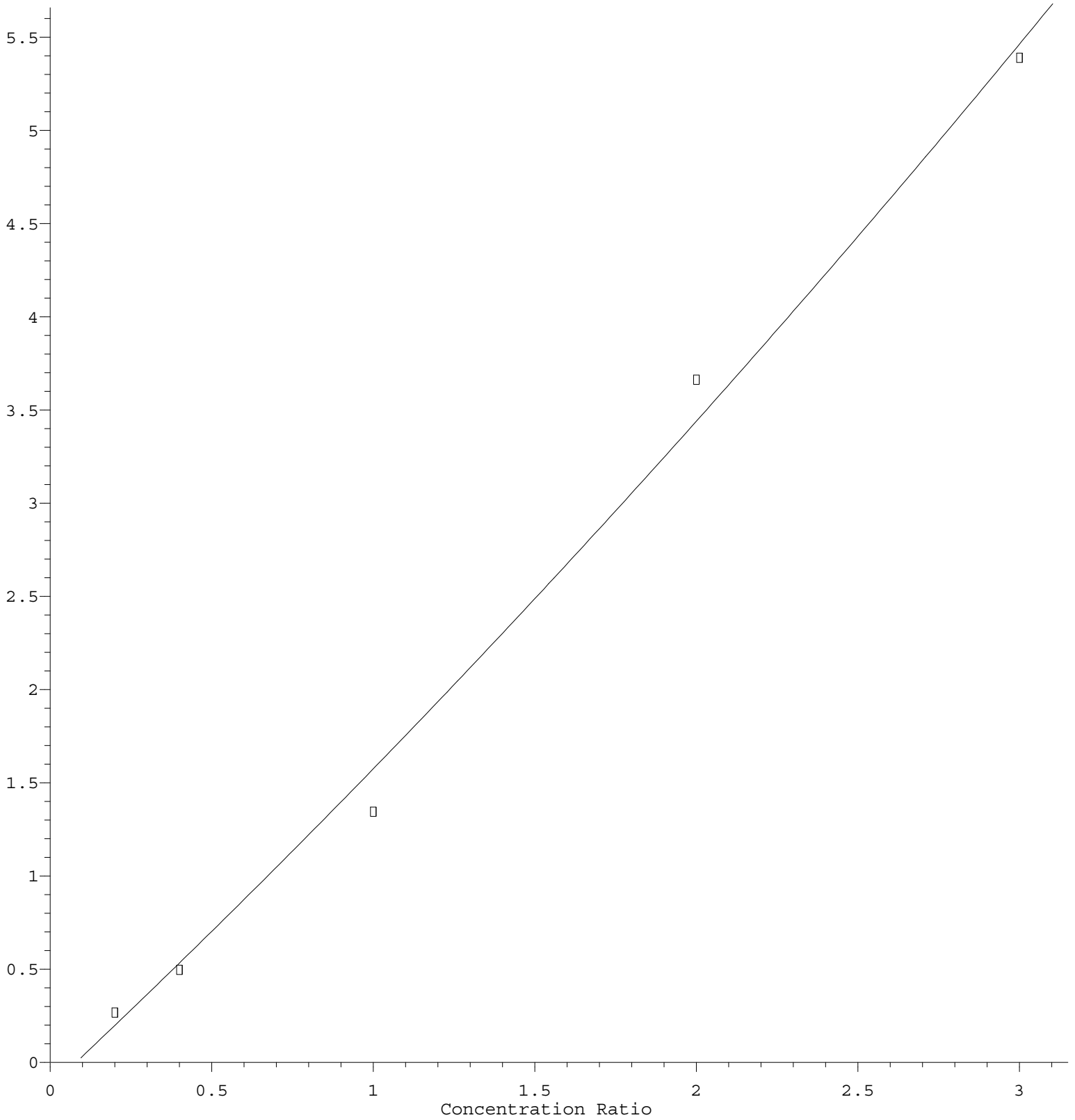
Coef of Det (r^2) = 0.996788 Curve Fit: Linear

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Naphthalene

Response Ratio



$R = 7.937e-002 A^2 + 1.626e+000 A - 1.303e-001$
 Coef of Det (r^2) = 0.995049 Curve Fit: Quadratic
 Method Name: Z:\voasrv\HPCHEM1\MSVOA Y\methods\82Y013025S.M
 Calibration Table Last Updated: Fri Jan 31 10:11:31 2025