

Method Path : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\
 Method File : 82Y041223S.M
 Title : SW846 8260
 Last Update : Thu Apr 13 05:55:16 2023
 Response Via : Initial Calibration

Calibration Files

5 =VY013259.D 10 =VY013260.D 20 =VY013261.D 50 =VY013262.D 100 =VY013263.D 150 =VY013264.D

	Compound	5	10	20	50	100	150	Avg	%RSD
1) I	Pentafluorobenzene	-----ISTD-----							
2) T	Dichlorodifluo...	0.474	0.454	0.414	0.434	0.472	0.452	0.450	5.11
3) P	Chloromethane	0.642	0.591	0.546	0.536	0.545	0.521	0.564	7.99
4) C	Vinyl Chloride	0.559	0.551	0.515	0.514	0.546	0.523	0.535	3.69#
5) T	Bromomethane	0.481	0.450	0.392	0.381	0.389	0.366	0.410	11.03
6) T	Chloroethane	0.387	0.372	0.358	0.337	0.361	0.347	0.360	4.89
7) T	Trichlorofluor...	0.899	0.877	0.786	0.786	0.836	0.807	0.832	5.75
8) T	Diethyl Ether	0.320	0.323	0.290	0.288	0.302	0.290	0.302	5.23
9) T	1,1,2-Trichlor...	0.539	0.502	0.464	0.470	0.493	0.465	0.489	6.01
10) T	Methyl Iodide	0.546	0.557	0.563	0.622	0.671	0.640	0.600	8.56
11) T	Tert butyl alc...	0.141	0.136	0.099	0.073	0.065	0.061	0.096	37.28
12) CM	1,1-Dichloroet...	0.479	0.493	0.450	0.456	0.481	0.464	0.470	3.48#
13) T	Acrolein	0.075	0.079	0.071	0.073	0.074	0.070	0.074	4.11
14) T	Allyl chloride	0.944	0.911	0.867	0.877	0.932	0.860	0.899	3.95
15) T	Acrylonitrile	0.178	0.186	0.162	0.177	0.175	0.165	0.174	5.21
16) T	Acetone	0.217	0.217	0.173	0.212	0.219	0.202	0.207	8.42
17) T	Carbon Disulfide	1.638	1.634	1.509	1.497	1.549	1.467	1.549	4.67
18) T	Methyl Acetate	0.666	0.735	0.617	0.680	0.681	0.631	0.668	6.27
19) T	Methyl tert-bu...	1.313	1.451	1.350	1.419	1.498	1.426	1.409	4.80
20) T	Methylene Chlo...	0.909	0.760	0.596	0.530	0.549	0.505	0.641	24.87
21) T	trans-1,2-Dich...	0.576	0.561	0.523	0.525	0.536	0.500	0.537	5.10
22) T	Diisopropyl ether	1.808	1.869	1.787	1.778	1.752	1.634	1.771	4.40
23) T	Vinyl Acetate	1.065	1.152	1.084	1.162	1.166	1.090	1.120	4.03
24) P	1,1-Dichloroet...	1.045	1.050	0.976	0.951	0.993	0.920	0.989	5.21
25) T	2-Butanone	0.268	0.286	0.238	0.273	0.272	0.251	0.265	6.52
26) T	2,2-Dichloropr...	0.949	0.942	0.870	0.839	0.884	0.842	0.888	5.39
27) T	cis-1,2-Dichlo...	0.594	0.613	0.566	0.578	0.593	0.559	0.584	3.43
28) T	Bromochloromet...	0.383	0.441	0.405	0.392	0.388	0.357	0.394	6.99
29) T	Tetrahydrofuran	0.145	0.172	0.153	0.172	0.168	0.156	0.161	6.94
30) C	Chloroform	1.085	1.055	0.981	0.953	1.000	0.935	1.001	5.82#
31) T	Cyclohexane	1.045	0.958	0.876	0.855	0.887	0.830	0.909	8.78
32) T	1,1,1-Trichlor...	0.973	0.942	0.881	0.859	0.903	0.876	0.906	4.80
33) S	1,2-Dichloroet...	0.644	0.651	0.570	0.592	0.587	0.561	0.601	6.31
34) I	1,4-Difluorobenzene	-----ISTD-----							
35) S	Dibromofluorom...	0.343	0.335	0.310	0.314	0.326	0.314	0.324	4.10
36) T	1,1-Dichloropr...	0.493	0.501	0.484	0.471	0.508	0.485	0.490	2.68
37) T	Ethyl Acetate	0.370	0.421	0.372	0.402	0.415	0.392	0.395	5.36
38) T	Carbon Tetrach...	0.564	0.560	0.524	0.515	0.553	0.537	0.542	3.67
39) T	Methylcyclohexane	0.518	0.570	0.541	0.571	0.624	0.595	0.570	6.60
40) TM	Benzene	1.468	1.498	1.405	1.365	1.431	1.348	1.419	4.09
41) T	Methacrylonitrile	0.167	0.183	0.141	0.164	0.171	0.159	0.164	8.59
42) TM	1,2-Dichloroet...	0.502	0.508	0.465	0.465	0.485	0.462	0.481	4.27
43) T	Isopropyl Acetate	0.624	0.704	0.598	0.664	0.691	0.659	0.657	6.09
44) TM	Trichloroethene	0.363	0.374	0.365	0.347	0.380	0.364	0.366	3.07
45) C	1,2-Dichloropr...	0.372	0.388	0.366	0.357	0.374	0.353	0.368	3.42#
46) T	Dibromomethane	0.233	0.230	0.214	0.217	0.224	0.213	0.222	3.89
47) T	Bromodichlorom...	0.534	0.536	0.479	0.479	0.515	0.497	0.507	5.07
48) T	Methyl methacr...	0.274	0.298	0.277	0.314	0.330	0.316	0.302	7.50
49) T	1,4-Dioxane	0.003	0.003	0.003	0.003	0.003	0.003	0.003	7.60
50) S	Toluene-d8	1.193	1.256	1.168	1.207	1.228	1.177	1.205	2.74
51) T	4-Methyl-2-Pen...	0.329	0.383	0.336	0.372	0.374	0.349	0.357	6.18
52) CM	Toluene	0.854	0.885	0.849	0.833	0.885	0.836	0.857	2.72#
53) T	t-1,3-Dichloro...	0.510	0.537	0.515	0.525	0.559	0.538	0.531	3.35
54) T	cis-1,3-Dichlo...	0.584	0.593	0.558	0.568	0.610	0.580	0.582	3.14
55) T	1,1,2-Trichlor...	0.303	0.311	0.281	0.280	0.298	0.281	0.292	4.64
56) T	Ethyl methacry...	0.335	0.396	0.378	0.420	0.447	0.426	0.400	10.03

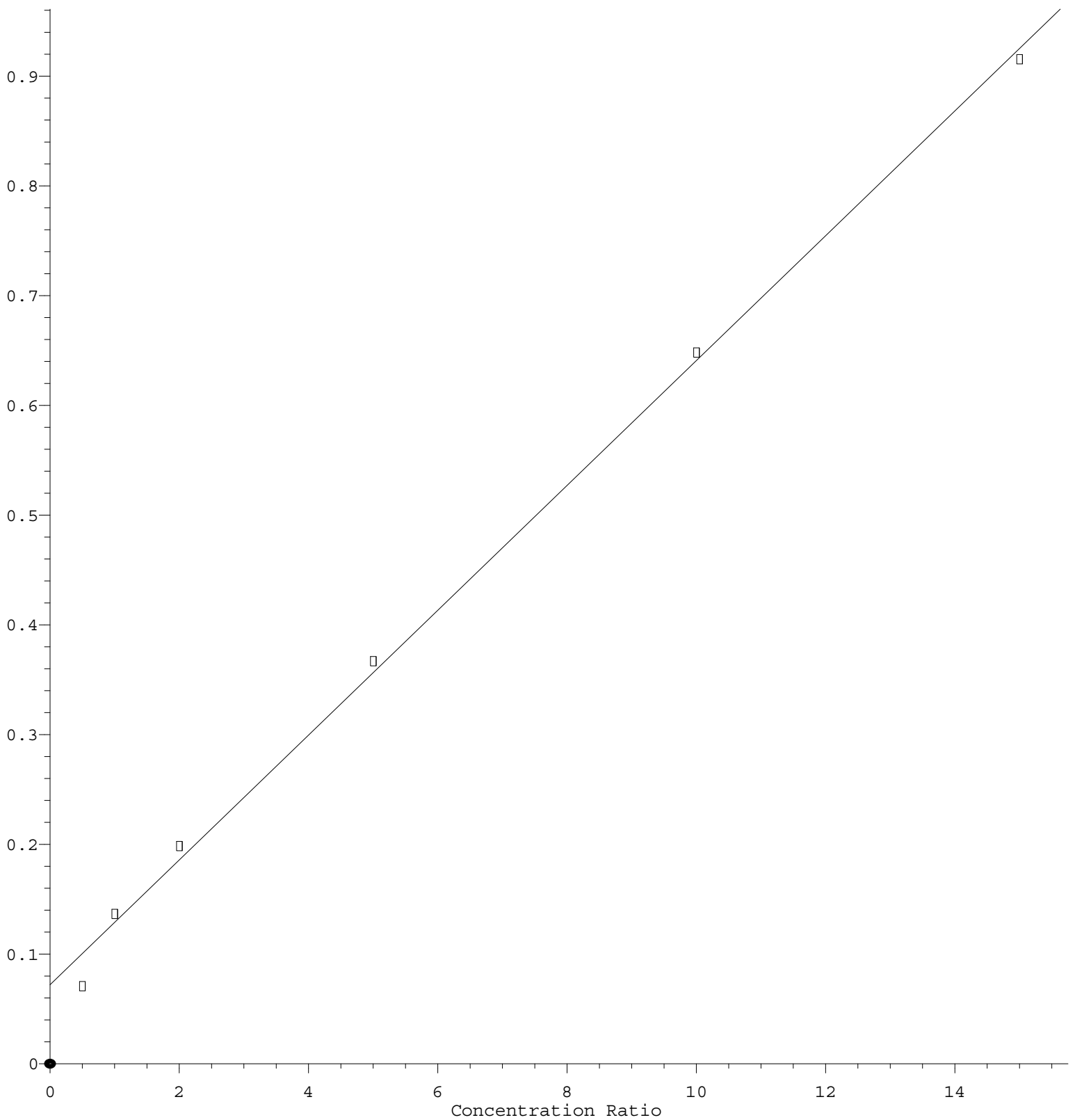
Method Path : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\
 Method File : 82Y041223S.M

57)	T	1,3-Dichloropr...	0.502	0.525	0.479	0.490	0.508	0.479	0.497	3.57
58)	T	2-Chloroethyl ...	0.157	0.174	0.172	0.164	0.171	0.165	0.167	3.84
59)	T	2-Hexanone	0.228	0.275	0.243	0.277	0.280	0.257	0.260	8.14
60)	T	Dibromochlorom...	0.381	0.376	0.349	0.357	0.375	0.360	0.367	3.45
61)	T	1,2-Dibromoethane	0.280	0.293	0.274	0.283	0.295	0.283	0.285	2.79
62)	S	4-Bromofluorob...	0.381	0.406	0.380	0.395	0.402	0.384	0.391	2.87
63)	I	Chlorobenzene-d5	-----ISTD-----							
64)	T	Tetrachloroethene	0.351	0.364	0.339	0.339	0.368	0.355	0.353	3.46
65)	PM	Chlorobenzene	1.120	1.090	1.015	1.001	1.058	0.992	1.046	4.93
66)	T	1,1,1,2-Tetrac...	0.401	0.404	0.382	0.384	0.405	0.381	0.393	2.94
67)	C	Ethyl Benzene	1.728	1.821	1.807	1.803	1.935	1.836	1.822	3.68#
68)	T	m/p-Xylenes	0.649	0.711	0.695	0.687	0.741	0.699	0.697	4.34
69)	T	o-Xylene	0.594	0.635	0.642	0.644	0.700	0.659	0.646	5.36
70)	T	Styrene	0.984	1.088	1.079	1.104	1.182	1.105	1.090	5.86
71)	P	Bromoform	0.264	0.281	0.262	0.272	0.285	0.268	0.272	3.44
72)	I	1,4-Dichlorobenzen...	-----ISTD-----							
73)	T	Isopropylbenzene	3.159	3.367	3.379	3.414	3.675	3.585	3.430	5.29
74)	T	N-amyl acetate	1.127	1.224	1.176	1.255	1.306	1.253	1.224	5.21
75)	P	1,1,2,2-Tetrac...	0.887	0.898	0.822	0.837	0.840	0.799	0.847	4.50
76)	T	1,2,3-Trichlor...	0.638	0.564	0.702	0.611	0.635	0.589	0.623	7.67
77)	T	Bromobenzene	0.835	0.877	0.834	0.848	0.893	0.859	0.858	2.76
78)	T	n-propylbenzene	3.937	4.205	4.254	4.247	4.482	4.290	4.236	4.15
79)	T	2-Chlorotoluene	2.260	2.392	2.380	2.374	2.491	2.408	2.384	3.12
80)	T	1,3,5-Trimethy...	2.654	2.814	2.919	2.883	3.033	2.933	2.873	4.48
81)	T	trans-1,4-Dich...	0.264	0.314	0.289	0.305	0.321	0.308	0.300	6.85
82)	T	4-Chlorotoluene	2.452	2.530	2.547	2.470	2.593	2.491	2.514	2.10
83)	T	tert-Butylbenzene	2.249	2.377	2.491	2.471	2.637	2.564	2.465	5.57
84)	T	1,2,4-Trimethy...	2.472	2.760	2.812	2.833	2.996	2.902	2.796	6.39
85)	T	sec-Butylbenzene	3.460	3.713	3.711	3.675	3.841	3.716	3.686	3.38
86)	T	p-Isopropyltol...	2.725	2.960	3.069	3.046	3.229	3.120	3.025	5.67
87)	T	1,3-Dichlorobe...	1.682	1.684	1.654	1.594	1.687	1.619	1.653	2.37
88)	T	1,4-Dichlorobe...	1.749	1.713	1.658	1.610	1.682	1.613	1.671	3.30
89)	T	n-Butylbenzene	2.715	2.848	2.890	2.891	3.061	2.953	2.893	3.96
90)	T	Hexachloroethane	0.671	0.631	0.633	0.598	0.638	0.613	0.631	3.91
91)	T	1,2-Dichlorobe...	1.538	1.534	1.517	1.454	1.531	1.452	1.504	2.68
92)	T	1,2-Dibromo-3-...	0.151	0.154	0.137	0.156	0.167	0.158	0.154	6.35
93)	T	1,2,4-Trichlor...	0.812	0.850	0.865	0.894	1.004	0.939	0.894	7.69
94)	T	Hexachlorobuta...	0.548	0.541	0.511	0.511	0.551	0.515	0.529	3.61
95)	T	Naphthalene	1.517	1.724	1.751	2.048	2.390	2.257	1.948	17.42
96)	T	1,2,3-Trichlor...	0.774	0.766	0.776	0.804	0.919	0.848	0.815	7.29

(#) = Out of Range

Tert butyl alcohol

Response Ratio



$$\text{Response} = 5.691\text{e-}002 * \text{Amt} + 7.157\text{e-}002$$

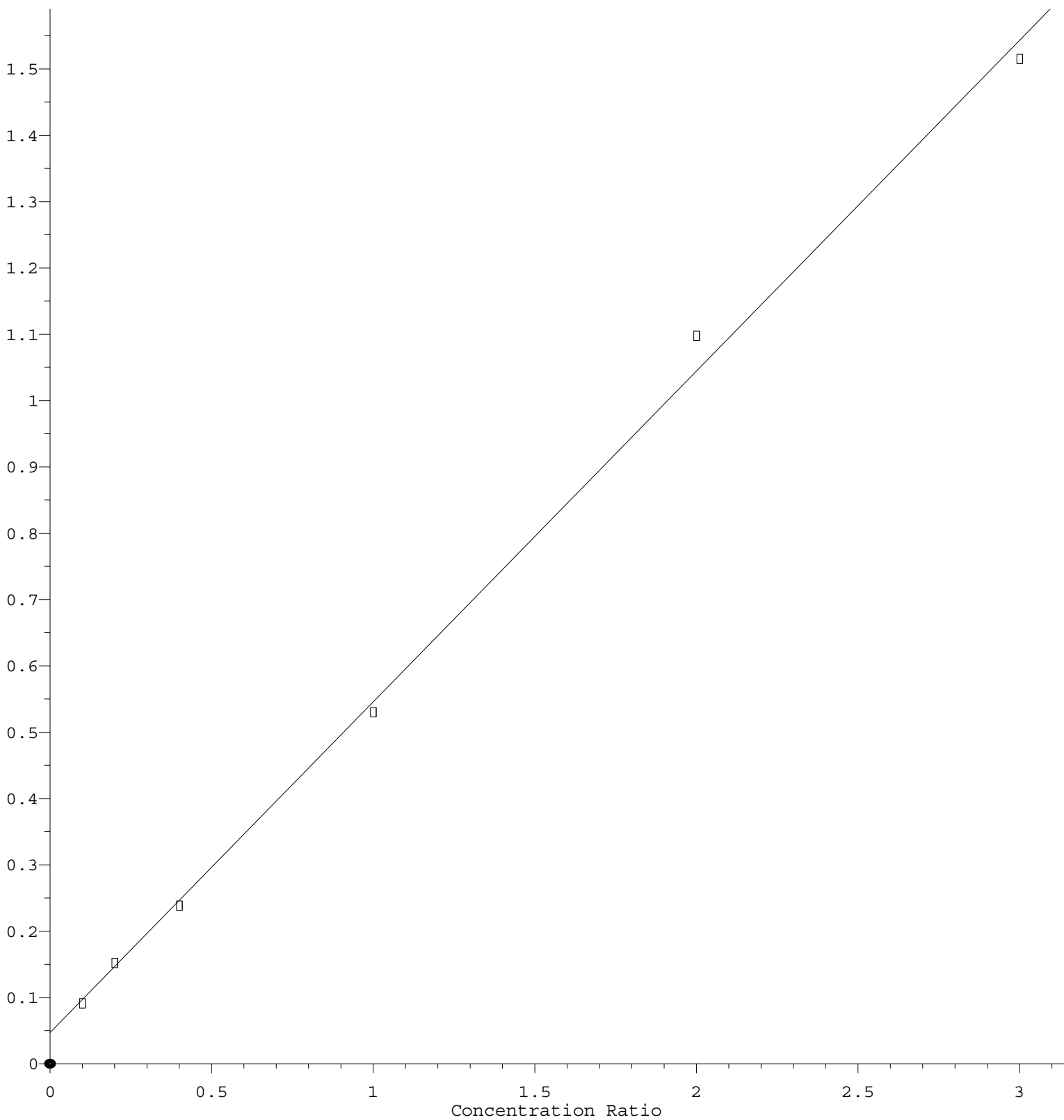
Coef of Det (r^2) = 0.997502 Curve Fit: Linear

Method Name: Z:\voasrv\HPCHEM1\MSVOA Y\methods\82Y041223S.M

Calibration Table Last Updated: Thu Apr 13 05:55:16 2023

Methylene Chloride

Response Ratio



$$\text{Response} = 4.991\text{e-}001 * \text{Amt} + 4.663\text{e-}002$$

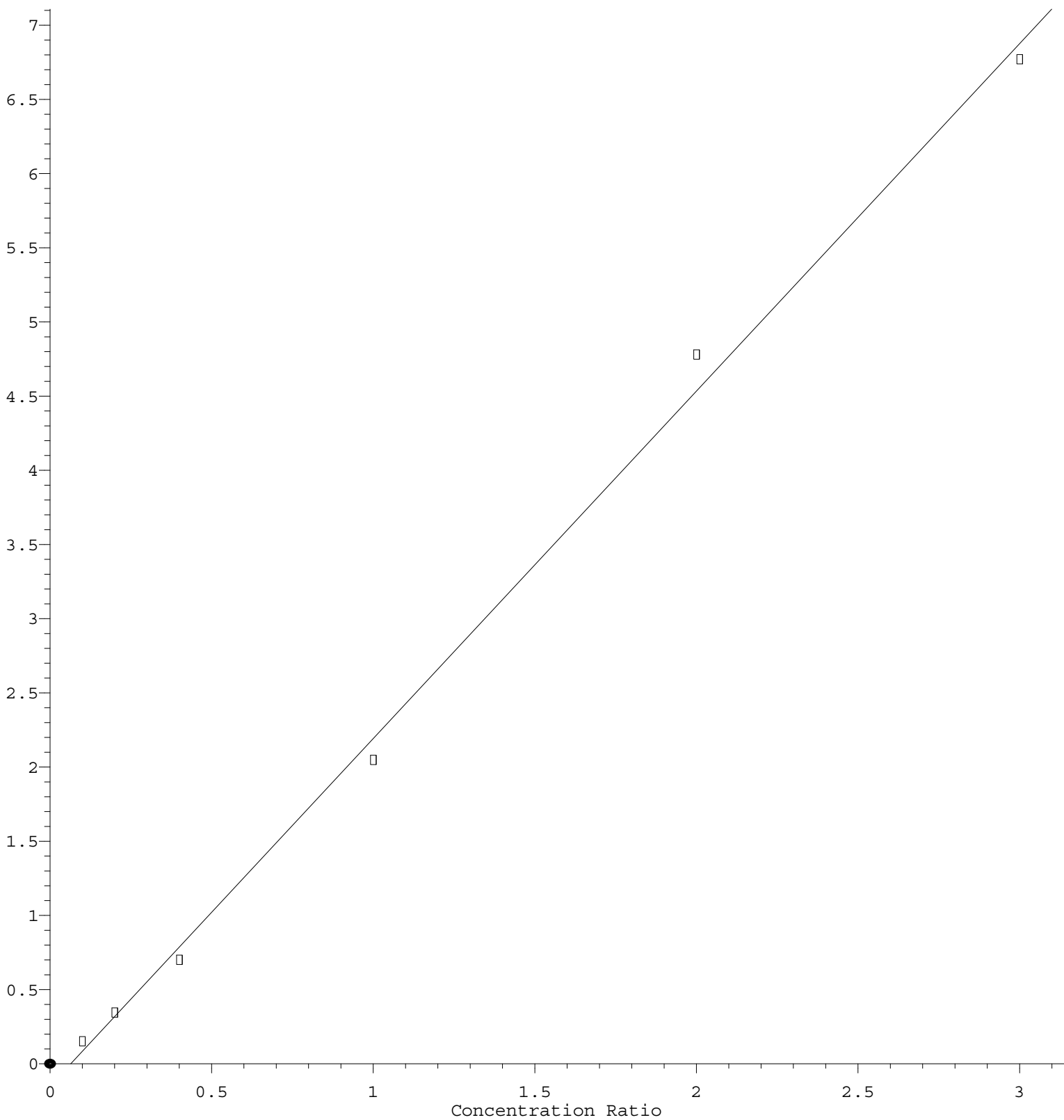
Coef of Det (r^2) = 0.997621 Curve Fit: Linear

Method Name: Z:\voasrv\HPCHEM1\MSVOA Y\methods\82Y041223S.M

Calibration Table Last Updated: Thu Apr 13 05:55:16 2023

Naphthalene

Response Ratio



$$\text{Response} = 2.343\text{e}+000 * \text{Amt} - 1.501\text{e}-001$$

Coef of Det (r^2) = 0.997160 Curve Fit: Linear

Method Name: Z:\voasrv\HPCHEM1\MSVOA Y\methods\82Y041223S.M

Calibration Table Last Updated: Thu Apr 13 05:55:16 2023