

Method Path : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\
 Method File : 82Y122023S.M
 Title : SW846 8260
 Last Update : Thu Dec 21 01:49:45 2023
 Response Via : Initial Calibration

Calibration Files

5 =VY016724.D 10 =VY016725.D 20 =VY016726.D 50 =VY016727.D 100 =VY016733.D 150 =VY016729.D

	Compound	5	10	20	50	100	150	Avg	%RSD
1) I	Pentafluorobenzene	-----ISTD-----							
2) T	Dichlorodifluo...	0.471	0.466	0.480	0.353	0.425	0.369	0.427	12.92
3) P	Chloromethane	0.738	0.705	0.702	0.545	0.642	0.609	0.657	10.95
4) C	Vinyl Chloride	0.784	0.776	0.778	0.649	0.776	0.689	0.742	7.79#
5) T	Bromomethane	0.576	0.545	0.555	0.435	0.555	0.504	0.528	9.74
6) T	Chloroethane	0.543	0.500	0.536	0.431	0.529	0.476	0.503	8.61
7) T	Trichlorofluor...	0.895	0.861	0.944	0.751	0.924	0.810	0.864	8.46
8) T	Diethyl Ether	0.277	0.272	0.298	0.248	0.302	0.261	0.276	7.59
9) T	1,1,2-Trichlor...	0.542	0.544	0.577	0.465	0.564	0.490	0.530	8.25
10) T	Methyl Iodide	0.500	0.530	0.603	0.512	0.627	0.545	0.552	9.25
11) T	Tert butyl alc...	0.042	0.038	0.044	0.033	0.039	0.030	0.037	14.42
12) CM	1,1-Dichloroet...	0.466	0.465	0.506	0.423	0.518	0.453	0.472	7.40#
13) T	Acrolein	0.031	0.032	0.036	0.030	0.027	0.017	0.029	22.40
14) T	Allyl chloride	0.678	0.693	0.779	0.660	0.818	0.710	0.723	8.56
15) T	Acrylonitrile	0.103	0.110	0.133	0.112	0.135	0.110	0.117	11.45
16) T	Acetone	0.137	0.132	0.156	0.098	0.122	0.095	0.123	19.09
17) T	Carbon Disulfide	1.266	1.235	1.343	1.189	1.430	1.243	1.284	6.81
18) T	Methyl Acetate	0.392	0.421	0.510	0.504	0.580	0.488	0.482	13.95
19) T	Methyl tert-bu...	1.107	1.125	1.354	1.113	1.378	1.210	1.215	10.17
20) T	Methylene Chlo...	1.152	0.814	0.741	0.529	0.600	0.505	0.723	33.47
21) T	trans-1,2-Dich...	0.524	0.516	0.581	0.489	0.594	0.526	0.538	7.55
22) T	Diisopropyl ether	1.461	1.558	1.837	1.504	1.852	1.601	1.636	10.31
23) T	Vinyl Acetate	0.676	0.740	0.887	0.707	0.883	0.749	0.774	11.65
24) P	1,1-Dichloroet...	0.972	0.969	1.077	0.885	1.063	0.930	0.983	7.62
25) T	2-Butanone	0.164	0.173	0.211	0.146	0.181	0.144	0.170	14.63
26) T	2,2-Dichloropr...	0.869	0.845	0.909	0.753	0.937	0.830	0.857	7.56
27) T	cis-1,2-Dichlo...	0.595	0.590	0.677	0.564	0.688	0.603	0.620	8.14
28) T	Bromochloromet...	0.324	0.408	0.414	0.430	0.420	0.338	0.389	11.76
29) T	Tetrahydrofuran	0.075	0.086	0.106	0.091	0.110	0.090	0.093	13.97
30) C	Chloroform	1.002	0.981	1.112	0.896	1.092	0.953	1.006	8.23#
31) T	Cyclohexane	0.953	0.898	0.925	0.757	0.915	0.800	0.875	8.91
32) T	1,1,1-Trichlor...	0.907	0.860	0.945	0.783	0.959	0.844	0.883	7.58
33) S	1,2-Dichloroet...	0.393	0.433	0.501	0.523	0.440	0.449	0.456	10.47
34) I	1,4-Difluorobenzene	-----ISTD-----							
35) S	Dibromofluorom...	0.240	0.268	0.311	0.331	0.279	0.289	0.286	11.21
36) T	1,1-Dichloropr...	0.461	0.441	0.482	0.416	0.508	0.448	0.459	6.99
37) T	Ethyl Acetate	0.155	0.197	0.223	0.189	0.227	0.189	0.197	13.27
38) T	Carbon Tetrach...	0.444	0.444	0.481	0.408	0.503	0.445	0.454	7.36
39) T	Methylcyclohexane	0.471	0.483	0.550	0.493	0.626	0.557	0.530	11.15
40) TM	Benzene	1.295	1.294	1.428	1.219	1.483	1.297	1.336	7.40
41) T	Methacrylonitrile	0.086	0.088	0.116	0.111	0.111	0.115	0.104	13.05
42) TM	1,2-Dichloroet...	0.325	0.337	0.384	0.326	0.388	0.332	0.349	8.31
43) T	Isopropyl Acetate	0.323	0.358	0.429	0.358	0.442	0.383	0.382	11.97
44) TM	Trichloroethene	0.325	0.337	0.364	0.308	0.379	0.333	0.341	7.68
45) C	1,2-Dichloropr...	0.324	0.331	0.363	0.304	0.369	0.321	0.335	7.60#
46) T	Dibromomethane	0.163	0.168	0.189	0.159	0.194	0.166	0.173	8.47
47) T	Bromodichlorom...	0.442	0.445	0.492	0.414	0.506	0.439	0.456	7.72
48) T	Methyl methacr...	0.163	0.189	0.237	0.205	0.258	0.223	0.212	16.14
49) T	1,4-Dioxane	0.001	0.002	0.002	0.002	0.002	0.002	0.002	12.04
50) S	Toluene-d8	0.855	0.920	1.107	1.209	1.024	1.080	1.032	12.49
51) T	4-Methyl-2-Pen...	0.164	0.187	0.230	0.197	0.240	0.204	0.204	13.59
52) CM	Toluene	0.716	0.759	0.857	0.744	0.921	0.807	0.801	9.65#
53) T	t-1,3-Dichloro...	0.346	0.389	0.452	0.392	0.493	0.425	0.416	12.44
54) T	cis-1,3-Dichlo...	0.450	0.477	0.536	0.467	0.577	0.505	0.502	9.50
55) T	1,1,2-Trichlor...	0.233	0.242	0.269	0.227	0.275	0.237	0.247	8.03
56) T	Ethyl methacry...	0.166	0.184	0.232	0.212	0.272	0.237	0.217	17.73

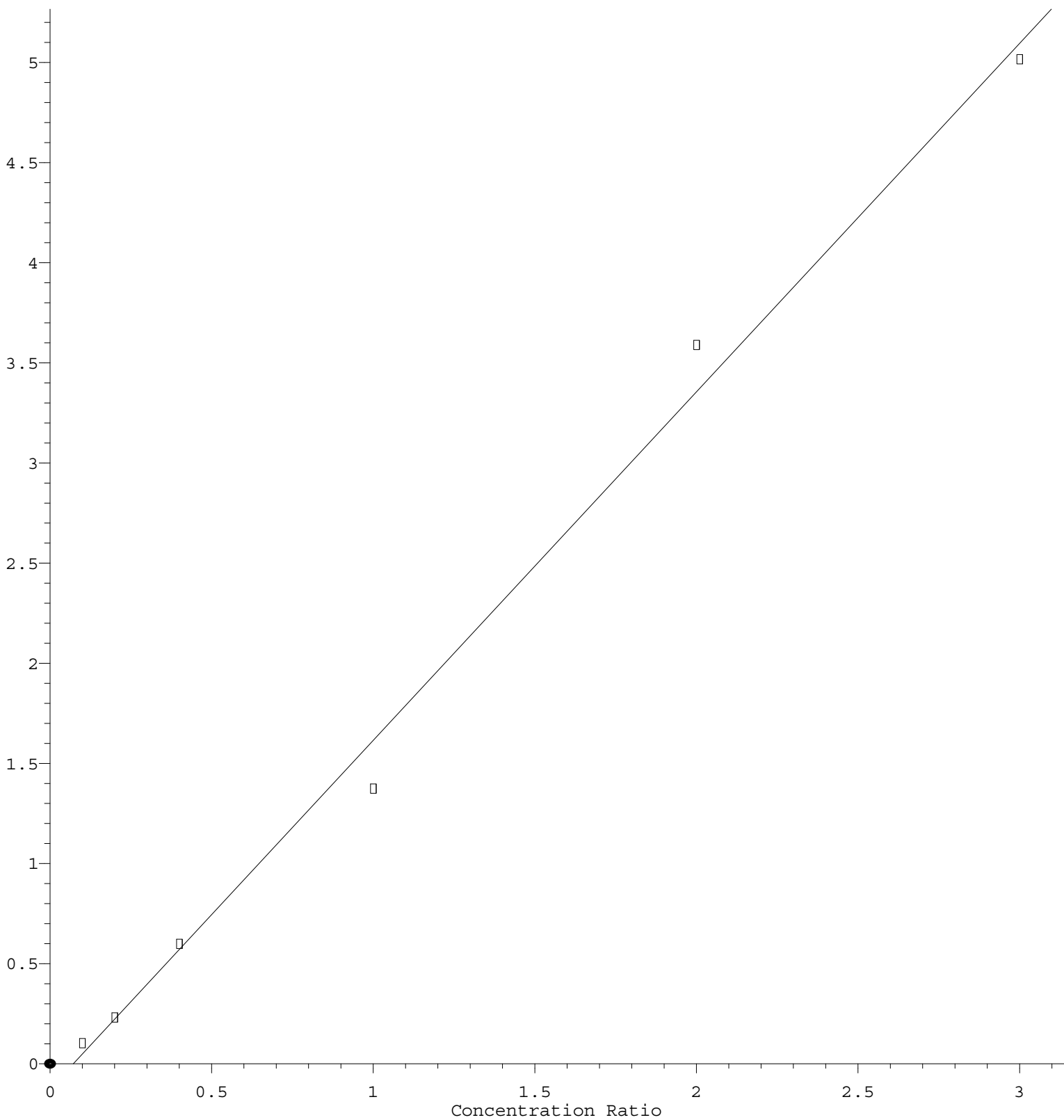
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57)	T	1,3-Dichloropr...	0.380	0.412	0.460	0.391	0.473	0.401	0.420	9.07
58)	T	2-Chloroethyl ...	0.097	0.103	0.121	0.160	0.142	0.079	0.117	25.58
59)	T	2-Hexanone	0.126	0.149	0.183	0.138	0.171	0.144	0.152	14.02
60)	T	Dibromochlorom...	0.262	0.277	0.309	0.262	0.325	0.280	0.286	9.04
61)	T	1,2-Dibromoethane	0.202	0.210	0.242	0.207	0.251	0.217	0.222	9.08
62)	S	4-Bromofluorob...	0.282	0.302	0.363	0.388	0.336	0.339	0.335	11.53
63)	I	Chlorobenzene-d5	-----ISTD-----							
64)	T	Tetrachloroethene	0.298	0.299	0.332	0.276	0.346	0.312	0.311	8.20
65)	PM	Chlorobenzene	0.941	0.944	1.055	0.882	1.096	0.976	0.982	8.08
66)	T	1,1,1,2-Tetrac...	0.346	0.352	0.398	0.331	0.415	0.375	0.370	8.71
67)	C	Ethyl Benzene	1.656	1.688	1.903	1.634	2.091	1.878	1.808	9.95#
68)	T	m/p-Xylenes	0.585	0.623	0.718	0.610	0.777	0.693	0.668	11.07
69)	T	o-Xylene	0.516	0.557	0.661	0.567	0.728	0.646	0.613	12.90
70)	T	Styrene	0.742	0.825	0.977	0.848	1.084	0.962	0.906	13.68
71)	P	Bromoform	0.164	0.179	0.196	0.169	0.210	0.188	0.184	9.26
72)	I	1,4-Dichlorobenzen...	-----ISTD-----							
73)	T	Isopropylbenzene	3.539	3.539	4.103	3.568	4.497	4.118	3.894	10.37
74)	T	N-amyl acetate	0.634	0.709	0.894	0.760	0.988	0.918	0.817	16.74
75)	P	1,1,2,2-Tetrac...	0.757	0.754	0.843	0.701	0.838	0.775	0.778	6.97
76)	T	1,2,3-Trichlor...	0.613	0.499	0.615	0.445	0.583	0.563	0.553	12.28
77)	T	Bromobenzene	0.820	0.804	0.873	0.767	0.951	0.883	0.850	7.73
78)	T	n-propylbenzene	4.353	4.361	5.012	4.344	5.384	4.853	4.718	9.23
79)	T	2-Chlorotoluene	2.473	2.448	2.741	2.378	2.949	2.676	2.611	8.31
80)	T	1,3,5-Trimethy...	2.747	2.829	3.282	2.856	3.571	3.209	3.082	10.49
81)	T	trans-1,4-Dich...	0.214	0.220	0.250	0.213	0.269	0.247	0.235	9.74
82)	T	4-Chlorotoluene	2.513	2.546	2.811	2.432	3.037	2.730	2.678	8.43
83)	T	tert-Butylbenzene	2.392	2.527	2.794	2.504	3.111	2.761	2.681	9.76
84)	T	1,2,4-Trimethy...	2.625	2.800	3.245	2.832	3.526	3.209	3.040	11.20
85)	T	sec-Butylbenzene	3.656	3.750	4.254	3.638	4.518	4.012	3.971	9.01
86)	T	p-Isopropyltol...	2.831	3.032	3.550	3.061	3.892	3.478	3.307	12.04
87)	T	1,3-Dichlorobe...	1.580	1.586	1.732	1.474	1.874	1.716	1.660	8.55
88)	T	1,4-Dichlorobe...	1.578	1.583	1.708	1.457	1.786	1.614	1.621	7.03
89)	T	n-Butylbenzene	2.776	2.905	3.414	2.964	3.677	3.234	3.162	10.85
90)	T	Hexachloroethane	0.678	0.677	0.716	0.604	0.767	0.690	0.689	7.76
91)	T	1,2-Dichlorobe...	1.352	1.356	1.481	1.288	1.582	1.427	1.414	7.49
92)	T	1,2-Dibromo-3-...	0.098	0.094	0.112	0.091	0.110	0.100	0.101	8.44
93)	T	1,2,4-Trichlor...	0.632	0.667	0.799	0.699	0.894	0.812	0.750	13.38
94)	T	Hexachlorobuta...	0.402	0.408	0.472	0.391	0.462	0.421	0.426	7.81
95)	T	Naphthalene	1.029	1.157	1.496	1.374	1.795	1.672	1.420	20.74
96)	T	1,2,3-Trichlor...	0.514	0.575	0.691	0.610	0.756	0.691	0.639	13.92

(#) = Out of Range

Naphthalene

Response Ratio



$$\text{Response} = 1.741\text{e}+000 * \text{Amt} - 1.251\text{e}-001$$

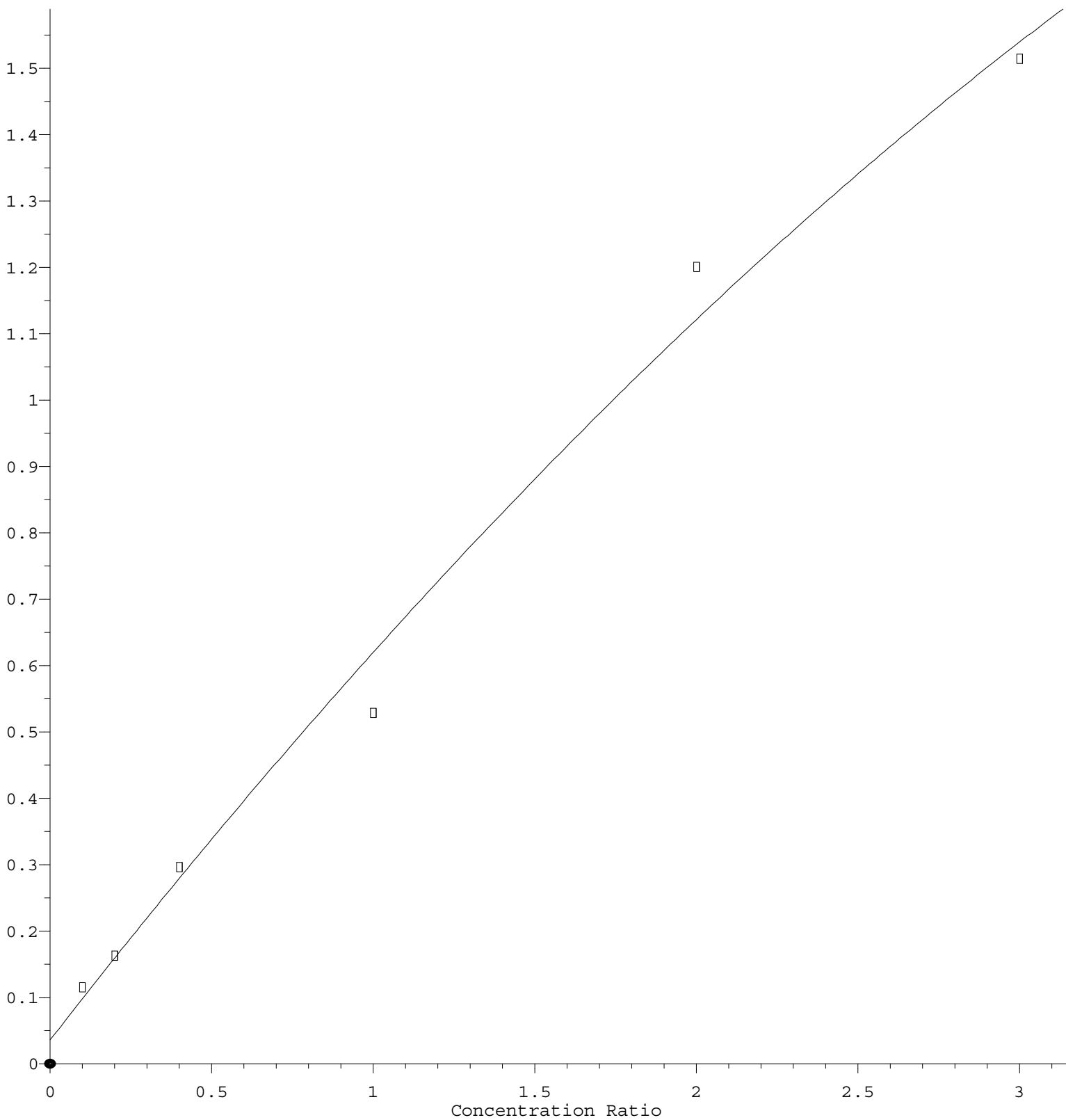
Coef of Det (r^2) = 0.993998 Curve Fit: Linear

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Calibration Table Last Updated: Thu Dec 21 01:49:45 2023

Methylene Chloride

Response Ratio



$R = -4.152e-002 A^2 + 6.258e-001 A + 3.578e-002$
 Coef of Det (r^2) = 0.990718 Curve Fit: Quadratic
 Method Name: Z:\voasrv\HPCHEM1\MSVOA Y\methods\82Y122023S.M
 Calibration Table Last Updated: Thu Dec 21 01:49:45 2023