

Method Path : Z:\voasrv\HPCHEM1\MSVOA_X\Method\
 Method File : 82X061423W.M
 Title : SW846 8260
 Last Update : Thu Jun 15 02:06:36 2023
 Response Via : Initial Calibration

Calibration Files

1 =VX036154.D 5 =VX036155.D 20 =VX036156.D 50 =VX036157.D 100 =VX036158.D 150 =VX036159.D

	Compound	1	5	20	50	100	150	Avg	%RSD
1) I	Pentafluorobenzene	-----ISTD-----							
2) T	Dichlorodifluo...	0.648	0.493	0.449	0.547	0.586	0.538	0.543	12.81
3) P	Chloromethane	0.601	0.568	0.549	0.595	0.635	0.565	0.585	5.32
4) C	Vinyl Chloride	0.578	0.492	0.499	0.553	0.619	0.567	0.551	8.82#
5) T	Bromomethane		0.323	0.325	0.346	0.417	0.364	0.355	10.90
6) T	Chloroethane	0.361	0.350	0.324	0.349	0.384	0.319	0.348	6.92
7) T	Trichlorofluor...	0.837	0.680	0.700	0.802	0.839	0.869	0.788	10.04
8) T	Diethyl Ether	0.301	0.336	0.304	0.326	0.376	0.326	0.328	8.19
9) T	1,1,2-Trichlor...	0.475	0.429	0.417	0.488	0.552	0.512	0.479	10.57
10) T	Methyl Iodide		0.438	0.489	0.569	0.631	0.545	0.534	13.86
11) T	Tert butyl alc...		0.131	0.131	0.143	0.160	0.129	0.139	9.42
12) CM	1,1-Dichloroet...	0.502	0.437	0.408	0.479	0.532	0.498	0.476	9.55#
13) T	Acrolein		0.167	0.137	0.161	0.183	0.157	0.161	10.32
14) T	Allyl chloride	0.961	0.852	0.886	1.003	1.100	1.008	0.968	9.27
15) T	Acrylonitrile	0.313	0.318	0.313	0.340	0.377	0.322	0.331	7.54
16) T	Acetone	0.384	0.312	0.320	0.317	0.328	0.280	0.324	10.49
17) T	Carbon Disulfide	1.338	0.975	1.000	1.206	1.422	1.326	1.211	15.43
18) T	Methyl Acetate	1.465	1.322	1.236	1.344	1.494	1.300	1.360	7.33
19) T	Methyl tert-bu...	1.736	1.817	1.761	1.947	2.187	1.881	1.888	8.78
20) T	Methylene Chlo...	0.662	0.595	0.548	0.587	0.642	0.559	0.599	7.56
21) T	trans-1,2-Dich...	0.593	0.506	0.485	0.529	0.604	0.540	0.543	8.70
22) T	Diisopropyl ether	1.684	1.869	1.839	1.986	2.154	1.901	1.905	8.24
23) T	Vinyl Acetate	1.170	1.295	1.325	1.496	1.643	1.428	1.393	11.94
24) P	1,1-Dichloroet...	1.008	0.980	0.998	1.080	1.184	1.058	1.051	7.16
25) T	2-Butanone	0.476	0.447	0.451	0.481	0.529	0.452	0.473	6.55
26) T	2,2-Dichloropr...	0.790	0.752	0.733	0.867	0.997	0.910	0.841	12.11
27) T	cis-1,2-Dichlo...	0.580	0.603	0.575	0.641	0.723	0.636	0.626	8.70
28) T	Bromochloromet...	0.511	0.591	0.488	0.571	0.567	0.537	0.544	7.18
29) T	Tetrahydrofuran	0.292	0.286	0.290	0.314	0.343	0.299	0.304	7.04
30) C	Chloroform	1.080	1.086	1.017	1.122	1.208	1.092	1.101	5.71#
31) T	Cyclohexane		0.752	0.703	0.859	0.968	0.919	0.840	13.21
32) T	1,1,1-Trichlor...	0.892	0.848	0.839	0.960	1.054	0.989	0.930	9.15
33) S	1,2-Dichloroet...		1.554	0.929	0.858	0.802	0.797	0.988	32.46
34) I	1,4-Difluorobenzene	-----ISTD-----							
35) S	Dibromofluorom...		0.585	0.359	0.326	0.333	0.317	0.384	29.55
36) T	1,1-Dichloropr...	0.462	0.379	0.375	0.425	0.492	0.448	0.430	10.81
37) T	Ethyl Acetate	0.562	0.462	0.481	0.529	0.618	0.518	0.528	10.67
38) T	Carbon Tetrach...	0.394	0.337	0.363	0.427	0.498	0.472	0.415	15.08
39) T	Methylcyclohexane	0.479	0.384	0.367	0.447	0.553	0.512	0.457	15.83
40) TM	Benzene	1.191	1.148	1.161	1.241	1.421	1.245	1.235	8.10
41) T	Methacrylonitrile	0.293	0.267	0.276	0.298	0.341	0.293	0.295	8.70
42) TM	1,2-Dichloroet...	0.526	0.509	0.507	0.530	0.601	0.523	0.533	6.57
43) T	Isopropyl Acetate	0.728	0.728	0.756	0.827	1.015	0.861	0.819	13.42
44) TM	Trichloroethene	0.322	0.285	0.288	0.313	0.368	0.324	0.317	9.59
45) C	1,2-Dichloropr...	0.301	0.295	0.306	0.328	0.378	0.330	0.323	9.45#
46) T	Dibromomethane	0.235	0.216	0.217	0.235	0.276	0.237	0.236	9.28
47) T	Bromodichlorom...	0.396	0.364	0.403	0.459	0.547	0.472	0.440	15.04
48) T	Methyl methacr...	0.352	0.373	0.376	0.431	0.492	0.423	0.408	12.60
49) T	1,4-Dioxane	0.008	0.008	0.008	0.008	0.009	0.007	0.008	9.49
50) S	Toluene-d8		1.931	1.283	1.181	1.217	1.128	1.348	24.54
51) T	4-Methyl-2-Pen...	0.443	0.463	0.495	0.517	0.592	0.455	0.494	11.16
52) CM	Toluene	0.743	0.696	0.724	0.794	0.916	0.784	0.776	10.03#
53) T	t-1,3-Dichloro...	0.355	0.358	0.420	0.495	0.642	0.523	0.465	23.78
54) T	cis-1,3-Dichlo...	0.413	0.406	0.470	0.533	0.652	0.557	0.505	18.66
55) T	1,1,2-Trichlor...	0.316	0.305	0.301	0.330	0.386	0.317	0.326	9.53
56) T	Ethyl methacry...	0.402	0.446	0.477	0.527	0.651	0.517	0.503	17.03

Method Path : Z:\voasrv\HPCHEM1\MSVOA_X\Method\
 Method File : 82X061423W.M

57)	T	1,3-Dichloropr...	0.510	0.523	0.543	0.571	0.677	0.551	0.563	10.66
58)	T	2-Chloroethyl ...	0.243	0.240	0.264	0.273	0.304	0.271	0.266	8.81
59)	T	2-Hexanone	0.327	0.340	0.368	0.390	0.441	0.334	0.366	11.92
60)	T	Dibromochlorom...	0.242	0.243	0.283	0.328	0.417	0.347	0.310	21.89
61)	T	1,2-Dibromoethane	0.316	0.294	0.326	0.350	0.419	0.344	0.342	12.62
62)	S	4-Bromofluorob...	0.652	0.483	0.466	0.503	0.431	0.507		16.78

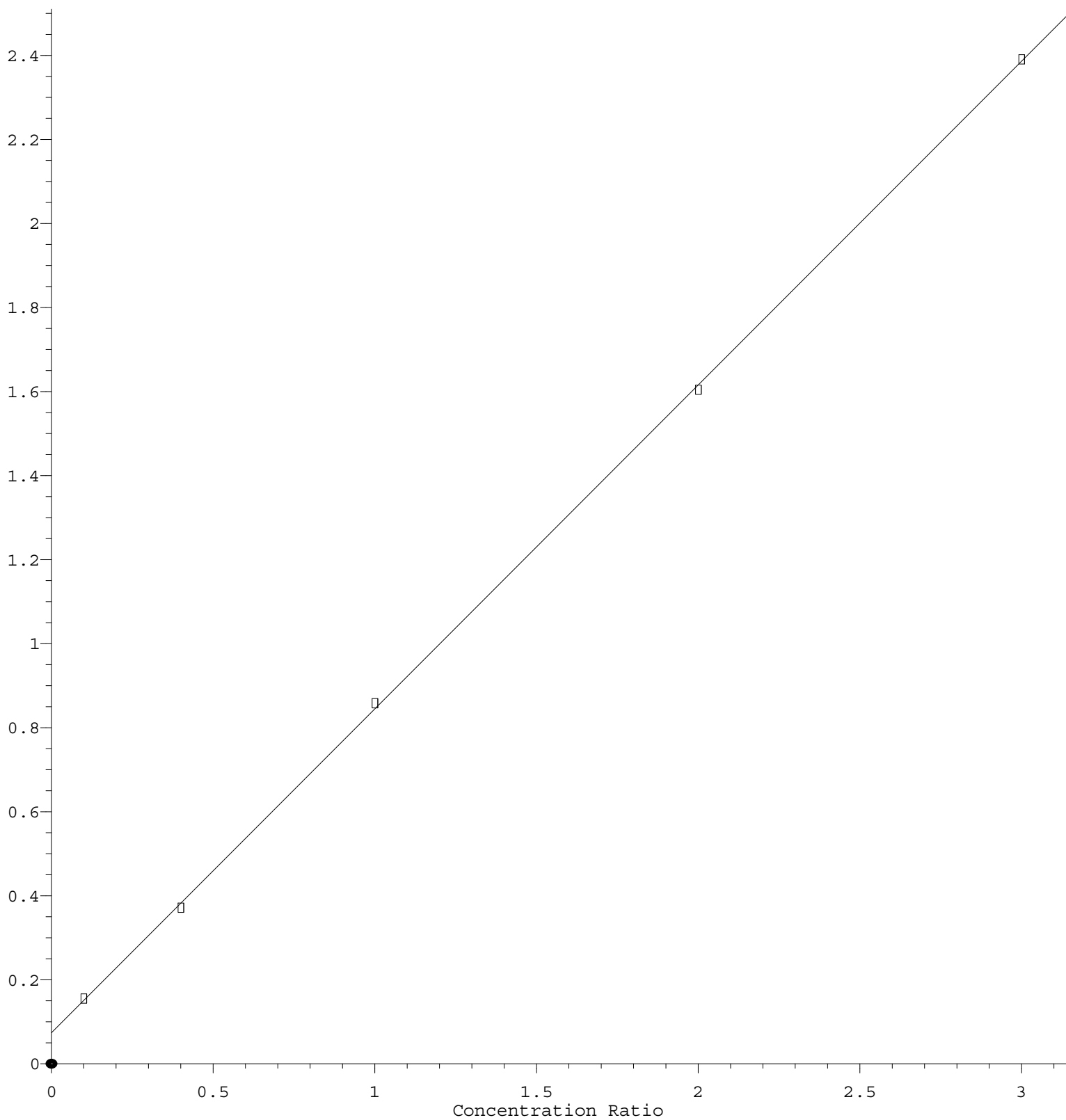
63)	I	Chlorobenzene-d5	-----ISTD-----							
64)	T	Tetrachloroethene	0.289	0.245	0.240	0.276	0.306	0.288	0.274	9.52
65)	PM	Chlorobenzene	0.900	0.848	0.847	0.921	1.038	0.920	0.912	7.68
66)	T	1,1,1,2-Tetrac...	0.277	0.274	0.297	0.339	0.390	0.349	0.321	14.30
67)	C	Ethyl Benzene	1.495	1.458	1.495	1.665	1.887	1.669	1.612	10.10#
68)	T	m/p-Xylenes	0.565	0.552	0.579	0.640	0.720	0.632	0.615	10.18
69)	T	o-Xylene	0.549	0.556	0.570	0.638	0.710	0.618	0.607	10.19
70)	T	Styrene	0.844	0.898	0.945	1.058	1.200	1.028	0.996	12.84
71)	P	Bromoform	0.171	0.172	0.193	0.240	0.289	0.256	0.220	22.13

72)	I	1,4-Dichlorobenzen...	-----ISTD-----							
73)	T	Isopropylbenzene	3.193	3.140	3.061	3.527	3.904	3.560	3.398	9.51
74)	T	N-amyl acetate	1.201	1.418	1.508	1.649	1.879	1.617	1.545	14.84
75)	P	1,1,2,2-Tetrac...	1.129	1.132	1.114	1.186	1.292	1.112	1.161	6.01
76)	T	1,2,3-Trichlor...	1.052	1.098	1.106	1.137	1.261	1.056	1.118	6.88
77)	T	Bromobenzene	0.670	0.790	0.736	0.835	0.924	0.829	0.797	11.00
78)	T	n-propylbenzene	3.759	3.577	3.583	4.049	4.636	4.126	3.955	10.25
79)	T	2-Chlorotoluene	2.472	2.430	2.322	2.527	2.808	2.467	2.504	6.53
80)	T	1,3,5-Trimethy...	2.614	2.649	2.701	2.976	3.331	2.932	2.867	9.50
81)	T	trans-1,4-Dich...	0.218	0.271	0.354	0.434	0.391	0.334		26.41
82)	T	4-Chlorotoluene	2.663	2.764	2.653	2.940	3.295	2.808	2.854	8.42
83)	T	tert-Butylbenzene	2.370	2.442	2.456	2.810	3.264	2.970	2.719	13.13
84)	T	1,2,4-Trimethy...	2.522	2.618	2.742	3.042	3.338	3.018	2.880	10.65
85)	T	sec-Butylbenzene	3.052	2.929	2.948	3.436	3.886	3.585	3.306	11.83
86)	T	p-Isopropyltol...	2.465	2.537	2.540	2.940	3.298	3.010	2.798	11.97
87)	T	1,3-Dichlorobe...	1.478	1.448	1.399	1.527	1.713	1.562	1.521	7.25
88)	T	1,4-Dichlorobe...	1.703	1.453	1.435	1.551	1.725	1.551	1.570	7.77
89)	T	n-Butylbenzene	2.243	1.998	2.063	2.504	2.910	2.709	2.405	15.17
90)	T	Hexachloroethane	0.344	0.338	0.368	0.464	0.557	0.536	0.434	22.57
91)	T	1,2-Dichlorobe...	1.534	1.403	1.397	1.504	1.621	1.479	1.490	5.67
92)	T	1,2-Dibromo-3-...	0.263	0.204	0.247	0.279	0.308	0.293	0.266	13.97
93)	T	1,2,4-Trichlor...	0.819	0.740	0.735	0.829	1.019	0.940	0.847	13.32
94)	T	Hexachlorobuta...	0.370	0.263	0.261	0.320	0.386	0.360	0.327	16.68
95)	T	Naphthalene	2.515	2.498	2.754	3.170	3.689	3.305	2.988	16.00
96)	T	1,2,3-Trichlor...	0.830	0.711	0.736	0.848	1.002	0.916	0.841	13.00

(#) = Out of Range

1,2-Dichloroethane-d4

Response Ratio



$$\text{Response} = 7.707\text{e-}001 * \text{Amt} + 7.396\text{e-}002$$

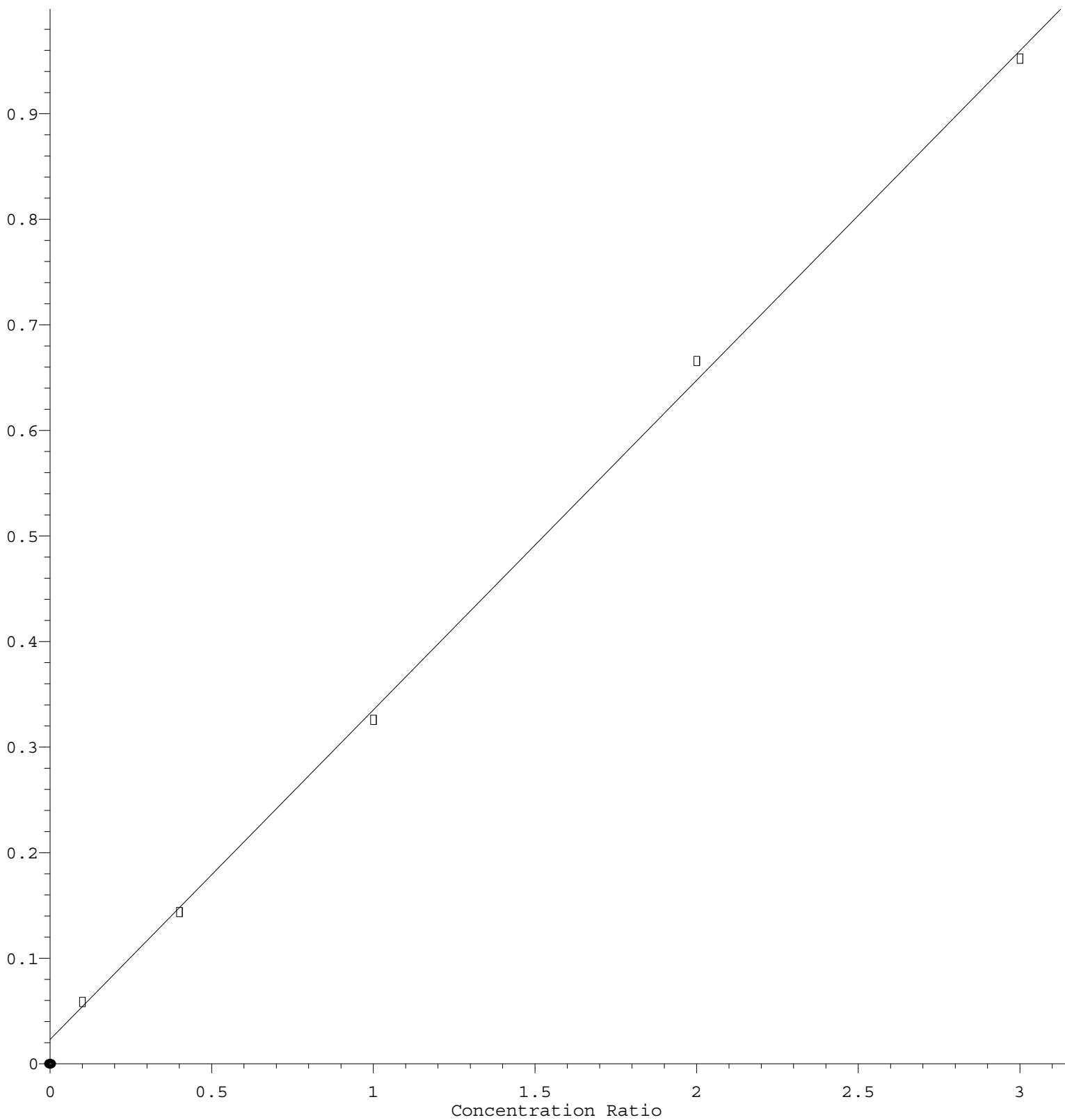
Coef of Det (r^2) = 0.999865 Curve Fit: Linear

Method Name: Z:\voasrv\HPCHEM1\MSVOA X\Method\82X061423W.M

Calibration Table Last Updated: Thu Jun 15 02:06:36 2023

Dibromofluoromethane

Response Ratio



$$\text{Response} = 3.125\text{e-}001 * \text{Amt} + 2.298\text{e-}002$$

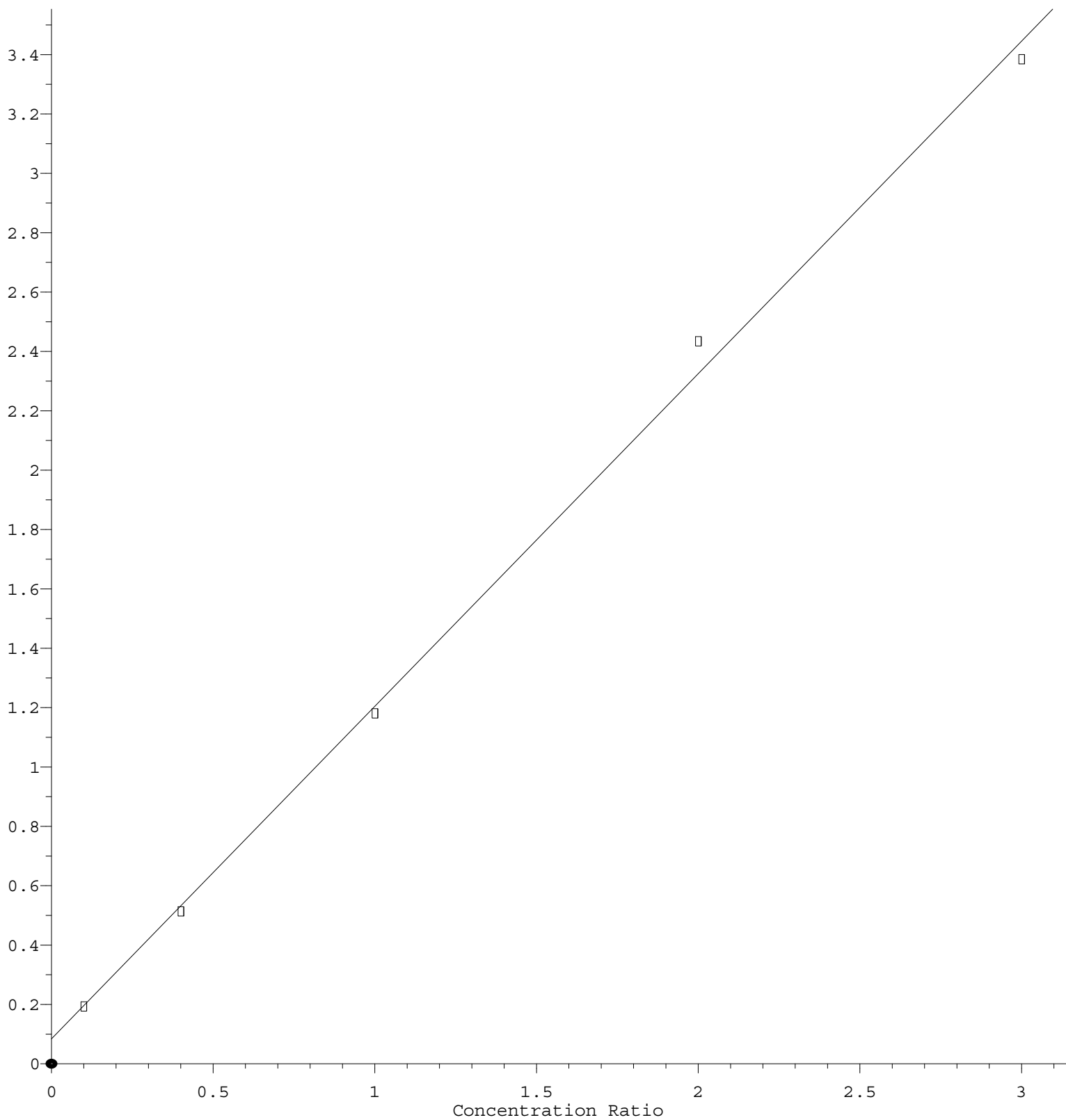
Coef of Det (r^2) = 0.999078 Curve Fit: Linear

Method Name: Z:\voasrv\HPCHEM1\MSVOA X\Method\82X061423W.M

Calibration Table Last Updated: Thu Jun 15 02:06:36 2023

Toluene-d8

Response Ratio



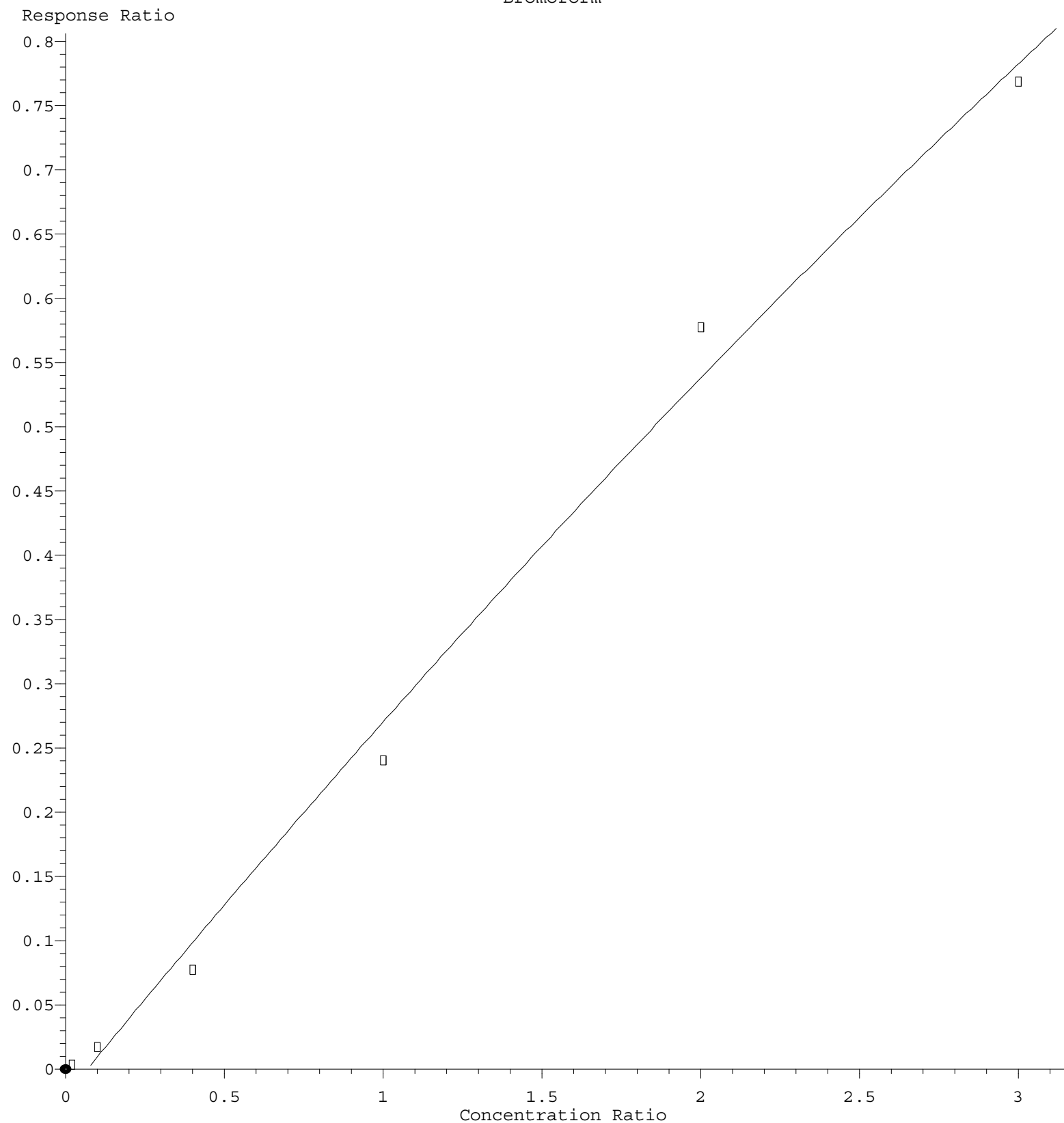
$$\text{Response} = 1.121\text{e}+000 * \text{Amt} + 8.437\text{e}-002$$

Coef of Det (r^2) = 0.997694 Curve Fit: Linear

Method Name: Z:\voasrv\HPCHEM1\MSVOA X\Method\82X061423W.M

Calibration Table Last Updated: Thu Jun 15 02:06:36 2023

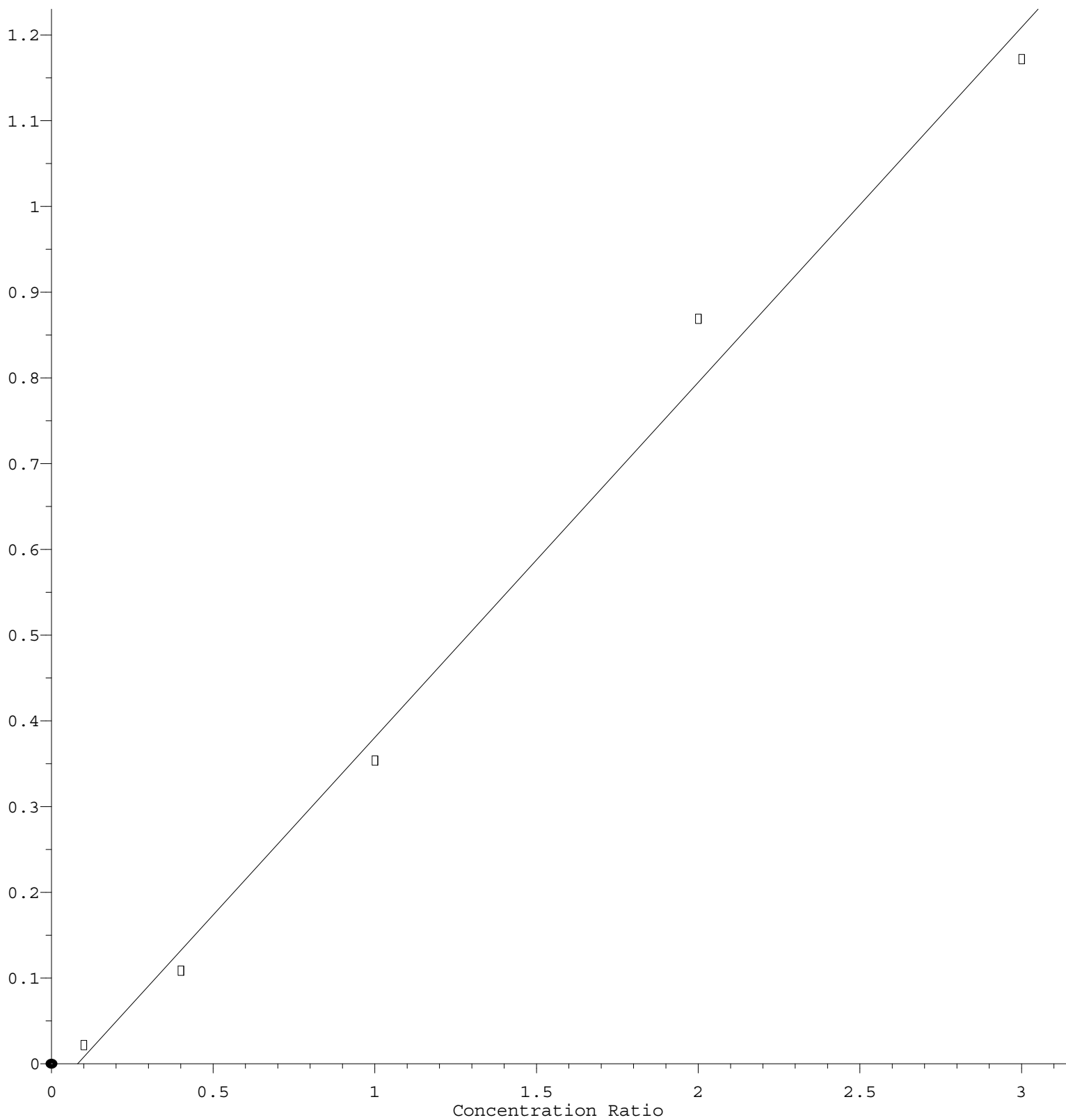
Bromoform



$R = -1.165e-002 A^2 + 3.026e-001 A - 2.062e-002$
 Coef of Det (r^2) = 0.993248 Curve Fit: Quadratic
 Method Name: Z:\voasrv\HPCHEM1\MSVOA X\Method\82X061423W.M
 Calibration Table Last Updated: Thu Jun 15 02:06:36 2023

trans-1,4-Dichloro-2-butene

Response Ratio



$$\text{Response} = 4.143\text{e-}001 * \text{Amt} - 3.375\text{e-}002$$

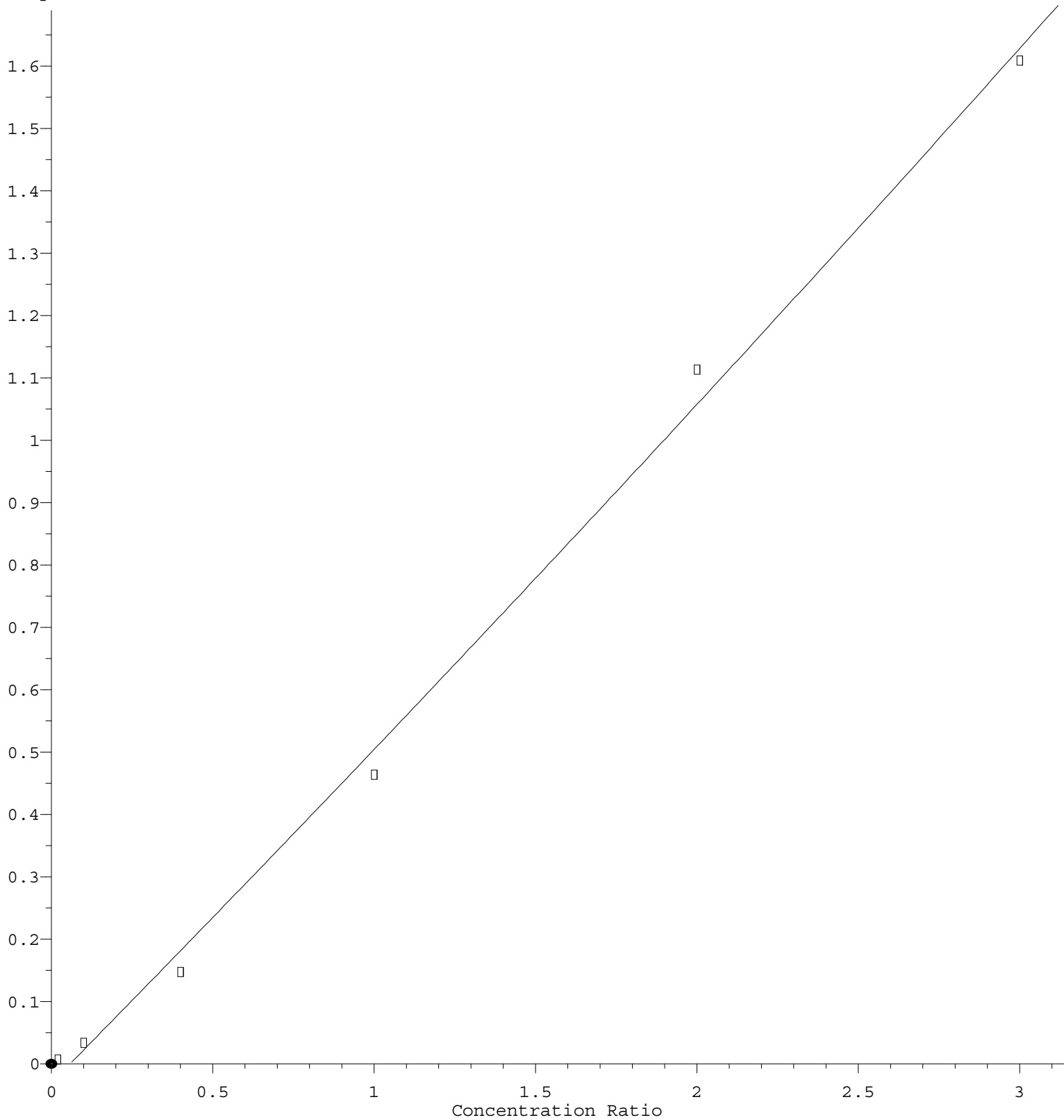
Coef of Det (r^2) = 0.991566 Curve Fit: Linear

Method Name: Z:\voasrv\HPCHEM1\MSVOA X\Method\82X061423W.M

Calibration Table Last Updated: Thu Jun 15 02:06:36 2023

Hexachloroethane

Response Ratio



$R = 9.048e-003 A^2 + 5.259e-001 A - 3.054e-002$
Coef of Det (r^2) = 0.996689 Curve Fit: Quadratic
Method Name: Z:\voasrv\HPCHEM1\MSVOA X\Method\82X061423W.M
Calibration Table Last Updated: Thu Jun 15 02:06:36 2023