

Method Path : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\
 Method File : 82Y121923S.M
 Title : SW846 8260
 Last Update : Wed Dec 20 12:57:23 2023
 Response Via : Initial Calibration

Calibration Files

5 =VY016689.D 10 =VY016690.D 20 =VY016691.D 50 =VY016692.D 100 =VY016696.D 150 =VY016694.D

	Compound	5	10	20	50	100	150	Avg	%RSD
1) I	Pentafluorobenzene	-----ISTD-----							
2) T	Dichlorodifluo...	0.442	0.471	0.432	0.357	0.333	0.333	0.395	15.39
3) P	Chloromethane	1.070	0.861	0.771	0.677	0.598	0.576	0.759	24.54
4) C	Vinyl Chloride	1.152	1.075	0.979	0.898	0.854	0.837	0.966	13.14#
5) T	Bromomethane	0.946	0.818	0.897	0.738	0.795	0.832	0.838	8.86
6) T	Chloroethane	0.821	0.814	0.786	0.645	0.631	0.641	0.723	12.85
7) T	Trichlorofluor...	0.923	0.940	0.889	0.781	0.779	0.766	0.846	9.42
8) T	Diethyl Ether	0.232	0.246	0.247	0.215	0.213	0.206	0.227	7.89
9) T	1,1,2-Trichlor...	0.481	0.517	0.479	0.434	0.423	0.421	0.459	8.51
10) T	Methyl Iodide	0.513	0.536	0.536	0.513	0.528	0.504	0.521	2.57
11) T	Tert butyl alc...	0.037	0.034	0.037	0.025	0.024	0.024	0.030	21.14
12) CM	1,1-Dichloroet...	0.436	0.458	0.424	0.394	0.395	0.392	0.416	6.56#
13) T	Acrolein	0.013	0.030	0.033	0.020	0.020	0.021	0.023	32.10
14) T	Allyl chloride	0.540	0.548	0.531	0.506	0.494	0.501	0.520	4.37
15) T	Acrylonitrile	0.098	0.095	0.100	0.085	0.085	0.081	0.091	8.54
16) T	Acetone	0.124	0.130	0.133	0.079	0.077	0.073	0.103	28.28
17) T	Carbon Disulfide	1.159	1.182	1.111	1.098	1.077	1.061	1.115	4.24
18) T	Methyl Acetate	0.369	0.369	0.375	0.353	0.347	0.337	0.358	4.17
19) T	Methyl tert-bu...	0.996	1.032	1.067	0.977	0.992	0.973	1.006	3.63
20) T	Methylene Chlo...	0.702	0.606	0.531	0.467	0.439	0.413	0.526	20.99
21) T	trans-1,2-Dich...	0.496	0.491	0.477	0.459	0.457	0.446	0.471	4.30
22) T	Diisopropyl ether	1.127	1.262	1.251	1.200	1.159	1.143	1.190	4.77
23) T	Vinyl Acetate	0.554	0.608	0.634	0.566	0.569	0.561	0.582	5.40
24) P	1,1-Dichloroet...	0.840	0.909	0.849	0.790	0.775	0.755	0.820	6.94
25) T	2-Butanone	0.142	0.143	0.155	0.105	0.108	0.106	0.127	17.89
26) T	2,2-Dichloropr...	0.778	0.793	0.728	0.713	0.734	0.721	0.744	4.42
27) T	cis-1,2-Dichlo...	0.519	0.572	0.547	0.519	0.522	0.516	0.532	4.18
28) T	Bromochloromet...	0.275	0.301	0.332	0.278	0.301	0.299	0.298	6.96
29) T	Tetrahydrofuran	0.064	0.069	0.078	0.064	0.064	0.063	0.067	8.71
30) C	Chloroform	0.917	0.980	0.913	0.840	0.827	0.800	0.879	7.75#
31) T	Cyclohexane	0.770	0.746	0.671	0.638	0.615	0.622	0.677	9.74
32) T	1,1,1-Trichlor...	0.797	0.852	0.787	0.757	0.748	0.744	0.781	5.22
33) S	1,2-Dichloroet...	0.422	0.434	0.448	0.425	0.360	0.392	0.414	7.73
34) I	1,4-Difluorobenzene	-----ISTD-----							
35) S	Dibromofluorom...	0.281	0.296	0.303	0.309	0.276	0.301	0.294	4.50
36) T	1,1-Dichloropr...	0.446	0.438	0.453	0.429	0.453	0.454	0.445	2.22
37) T	Ethyl Acetate	0.179	0.176	0.189	0.157	0.162	0.161	0.171	7.37
38) T	Carbon Tetrach...	0.479	0.505	0.472	0.455	0.488	0.484	0.481	3.49
39) T	Methylcyclohexane	0.448	0.518	0.484	0.511	0.548	0.567	0.513	8.38
40) TM	Benzene	1.247	1.350	1.279	1.234	1.293	1.277	1.280	3.18
41) T	Methacrylonitrile	0.076	0.096	0.095	0.101	0.089	0.087	0.091	9.74
42) TM	1,2-Dichloroet...	0.369	0.378	0.385	0.347	0.354	0.341	0.362	4.92
43) T	Isopropyl Acetate	0.321	0.325	0.358	0.309	0.331	0.322	0.328	5.05
44) TM	Trichloroethene	0.353	0.371	0.340	0.335	0.360	0.353	0.352	3.74
45) C	1,2-Dichloropr...	0.297	0.326	0.311	0.293	0.309	0.300	0.306	3.92#
46) T	Dibromomethane	0.171	0.180	0.182	0.165	0.173	0.166	0.173	3.93
47) T	Bromodichlorom...	0.447	0.483	0.454	0.434	0.452	0.437	0.451	3.91
48) T	Methyl methacr...	0.158	0.175	0.181	0.177	0.189	0.187	0.178	6.35
49) T	1,4-Dioxane	0.001	0.001	0.002	0.002	0.002	0.002	0.002	7.62
50) S	Toluene-d8	0.939	1.051	1.079	1.145	1.029	1.156	1.066	7.55
51) T	4-Methyl-2-Pen...	0.155	0.164	0.182	0.161	0.175	0.172	0.168	5.78
52) CM	Toluene	0.723	0.792	0.778	0.767	0.816	0.822	0.783	4.62#
53) T	t-1,3-Dichloro...	0.382	0.395	0.406	0.395	0.429	0.415	0.404	4.17
54) T	cis-1,3-Dichlo...	0.448	0.486	0.483	0.469	0.495	0.490	0.479	3.62
55) T	1,1,2-Trichlor...	0.249	0.251	0.249	0.224	0.233	0.227	0.239	5.06
56) T	Ethyl methacry...	0.168	0.184	0.198	0.191	0.213	0.211	0.194	8.80

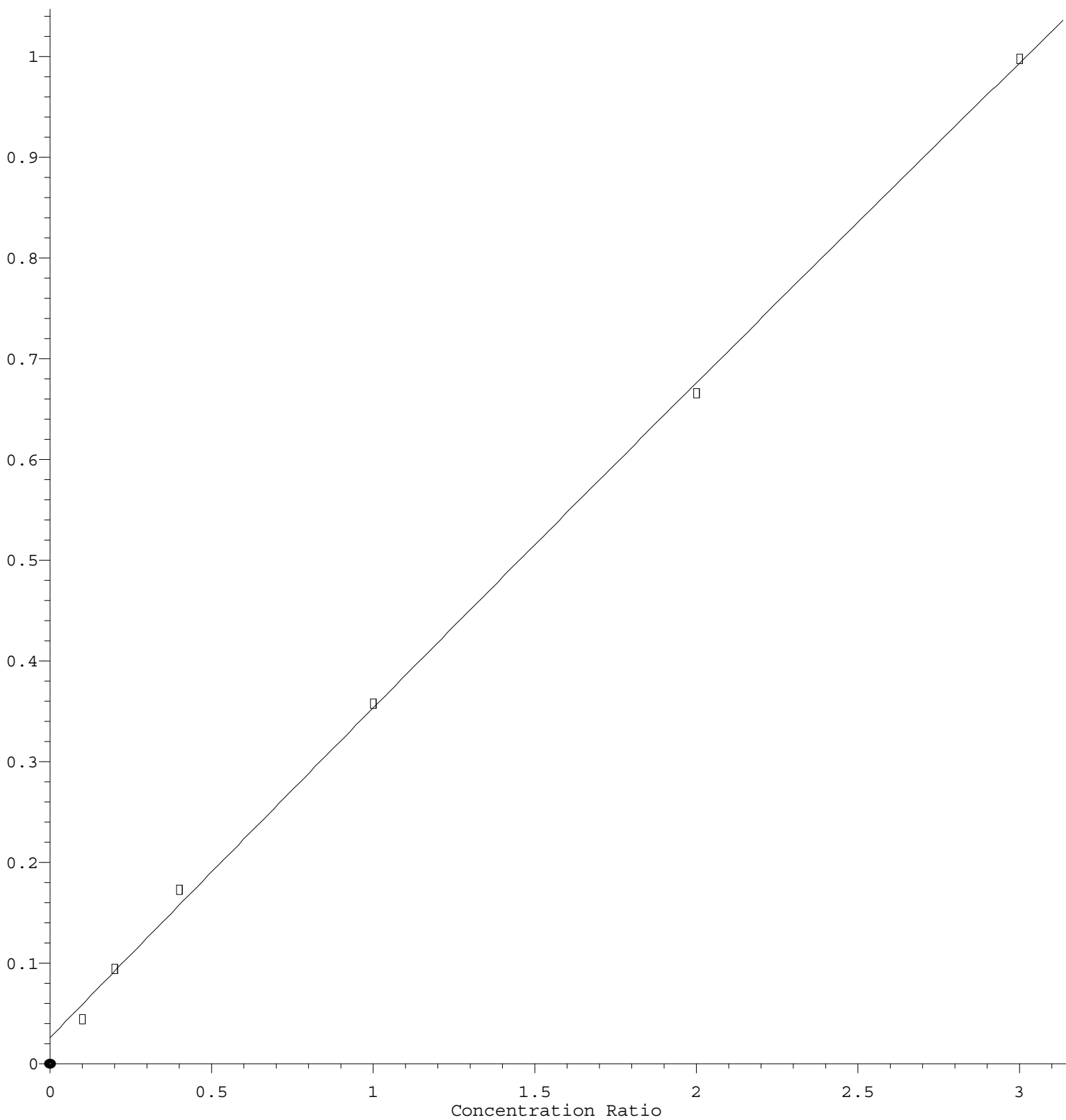
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57)	T	1,3-Dichloropr...	0.391	0.406	0.407	0.382	0.395	0.381	0.394	2.91
58)	T	2-Chloroethyl ...	0.078	0.106	0.130	0.117	0.137	0.144	0.119	20.30
59)	T	2-Hexanone	0.117	0.128	0.141	0.110	0.121	0.119	0.123	8.59
60)	T	Dibromochlorom...	0.274	0.299	0.296	0.281	0.299	0.289	0.290	3.57
61)	T	1,2-Dibromoethane	0.220	0.217	0.223	0.205	0.215	0.209	0.215	3.15
62)	S	4-Bromofluorob...	0.279	0.306	0.318	0.315	0.285	0.317	0.303	5.72
-----ISTD-----										
63)	I	Chlorobenzene-d5								
64)	T	Tetrachloroethene	0.334	0.348	0.342	0.336	0.353	0.357	0.345	2.67
65)	PM	Chlorobenzene	0.966	1.026	0.981	0.967	1.008	0.994	0.990	2.39
66)	T	1,1,1,2-Tetrac...	0.369	0.385	0.377	0.369	0.402	0.400	0.384	3.78
67)	C	Ethyl Benzene	1.559	1.733	1.706	1.761	1.915	1.939	1.769	7.98#
68)	T	m/p-Xylenes	0.571	0.656	0.647	0.671	0.729	0.749	0.671	9.49
69)	T	o-Xylene	0.521	0.599	0.597	0.618	0.667	0.673	0.613	9.11
70)	T	Styrene	0.726	0.851	0.869	0.899	0.972	0.990	0.884	10.77
71)	P	Bromoform	0.193	0.204	0.207	0.191	0.205	0.193	0.199	3.69
-----ISTD-----										
72)	I	1,4-Dichlorobenzen...								
73)	T	Isopropylbenzene	2.982	3.393	3.417	3.453	3.767	3.731	3.457	8.21
74)	T	N-amyl acetate	0.571	0.602	0.649	0.598	0.677	0.656	0.626	6.55
75)	P	1,1,2,2-Tetrac...	0.683	0.652	0.674	0.608	0.636	0.606	0.643	5.10
76)	T	1,2,3-Trichlor...	0.514	0.434	0.438	0.440	0.417	0.365	0.435	11.04
77)	T	Bromobenzene	0.807	0.839	0.832	0.800	0.869	0.855	0.834	3.20
78)	T	n-propylbenzene	3.596	4.061	4.063	4.109	4.408	4.355	4.099	7.05
79)	T	2-Chlorotoluene	2.071	2.193	2.203	2.160	2.299	2.247	2.195	3.54
80)	T	1,3,5-Trimethy...	2.327	2.645	2.692	2.741	2.947	2.903	2.709	8.18
81)	T	trans-1,4-Dich...	0.185	0.183	0.195	0.182	0.199	0.192	0.189	3.74
82)	T	4-Chlorotoluene	2.125	2.308	2.275	2.214	2.376	2.322	2.270	3.92
83)	T	tert-Butylbenzene	2.118	2.436	2.455	2.392	2.663	2.561	2.438	7.57
84)	T	1,2,4-Trimethy...	2.279	2.609	2.673	2.755	2.979	2.997	2.716	9.80
85)	T	sec-Butylbenzene	3.060	3.492	3.494	3.532	3.801	3.714	3.515	7.31
86)	T	p-Isopropyltol...	2.564	2.897	2.908	3.086	3.461	3.525	3.073	11.93
87)	T	1,3-Dichlorobe...	1.576	1.629	1.571	1.587	1.748	1.785	1.650	5.68
88)	T	1,4-Dichlorobe...	1.571	1.658	1.560	1.523	1.604	1.567	1.580	2.91
89)	T	n-Butylbenzene	2.481	2.745	2.722	2.836	3.054	3.020	2.810	7.55
90)	T	Hexachloroethane	0.595	0.642	0.583	0.599	0.637	0.618	0.613	3.89
91)	T	1,2-Dichlorobe...	1.274	1.415	1.374	1.315	1.393	1.360	1.355	3.85
92)	T	1,2-Dibromo-3-...	0.098	0.091	0.089	0.074	0.080	0.074	0.084	11.64
93)	T	1,2,4-Trichlor...	0.779	0.838	0.777	0.776	0.859	0.830	0.810	4.55
94)	T	Hexachlorobuta...	0.501	0.561	0.490	0.488	0.525	0.507	0.512	5.37
95)	T	Naphthalene	1.172	1.272	1.296	1.255	1.406	1.378	1.297	6.57
96)	T	1,2,3-Trichlor...	0.662	0.711	0.678	0.649	0.713	0.697	0.685	3.88

(#) = Out of Range

Dichlorodifluoromethane

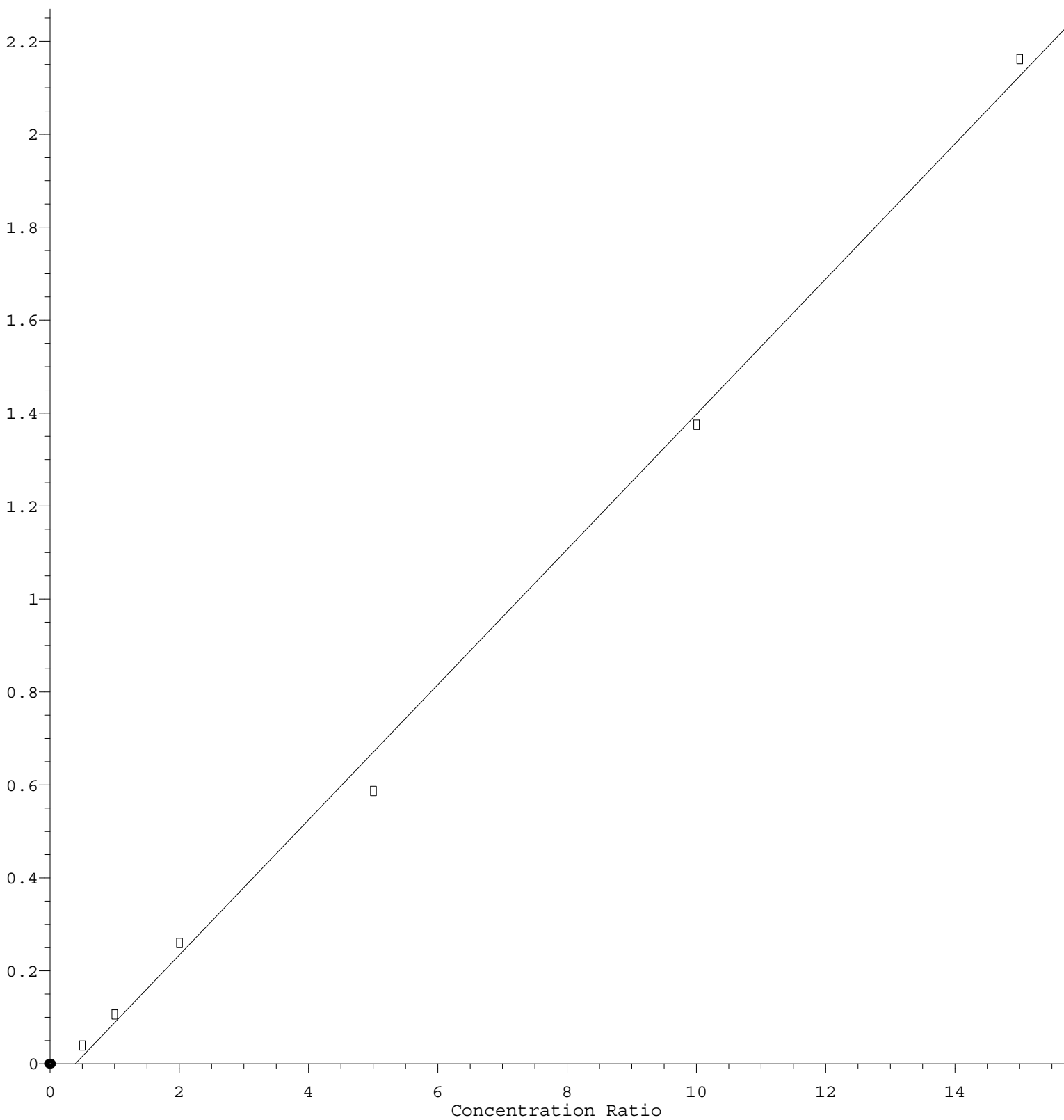
Response Ratio



$R = -2.392e-003 A^2 + 3.297e-001 A + 2.610e-002$
 Coef of Det (r^2) = 0.999154 Curve Fit: Quadratic
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2-Chloroethyl Vinyl ether

Response Ratio



$$\text{Response} = 1.455\text{e-}001 * \text{Amt} - 5.743\text{e-}002$$

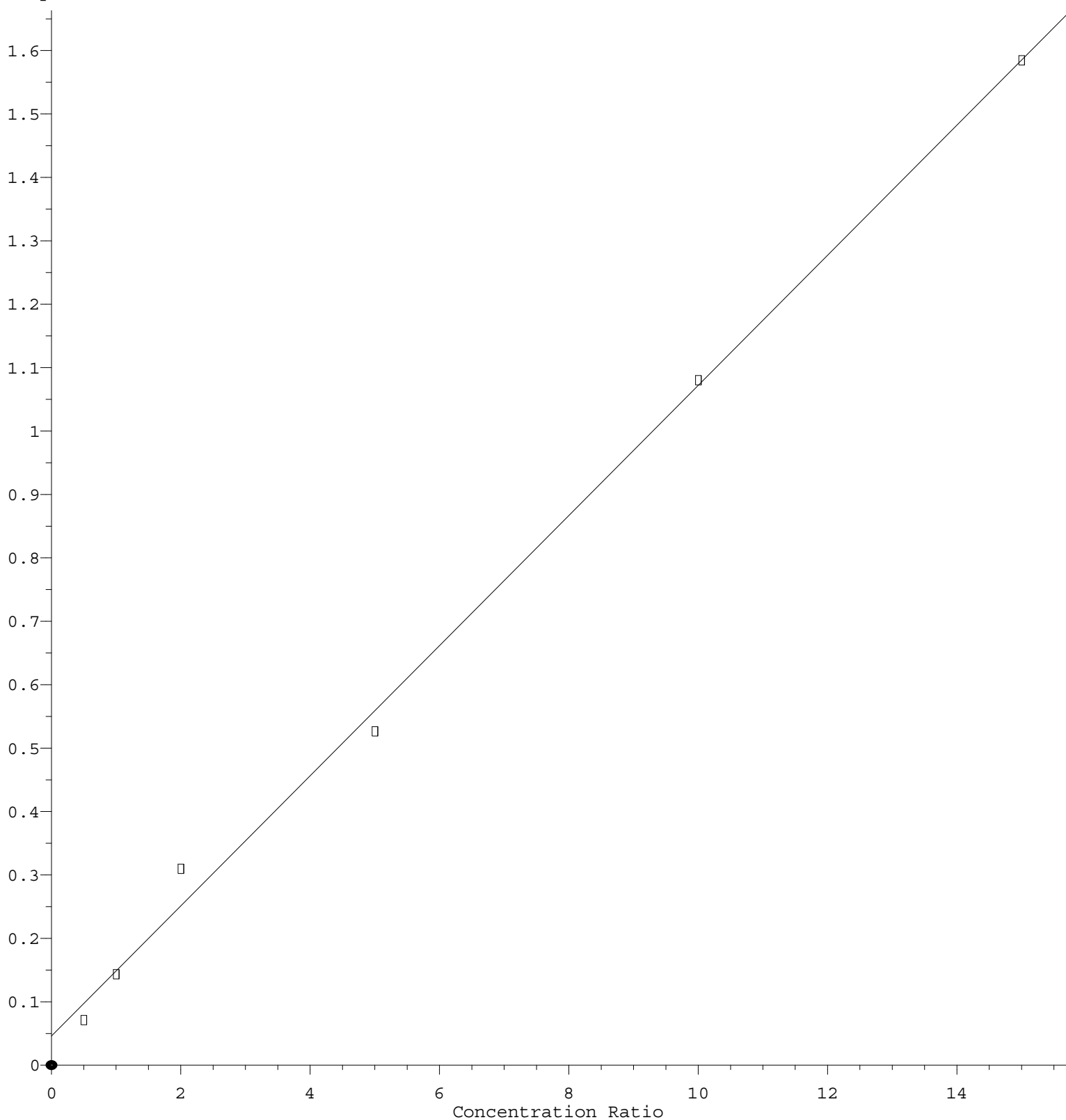
Coef of Det (r^2) = 0.997105 Curve Fit: Linear

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2-Butanone

Response Ratio



$$\text{Response} = 1.026\text{e-}001 * \text{Amt} + 4.641\text{e-}002$$

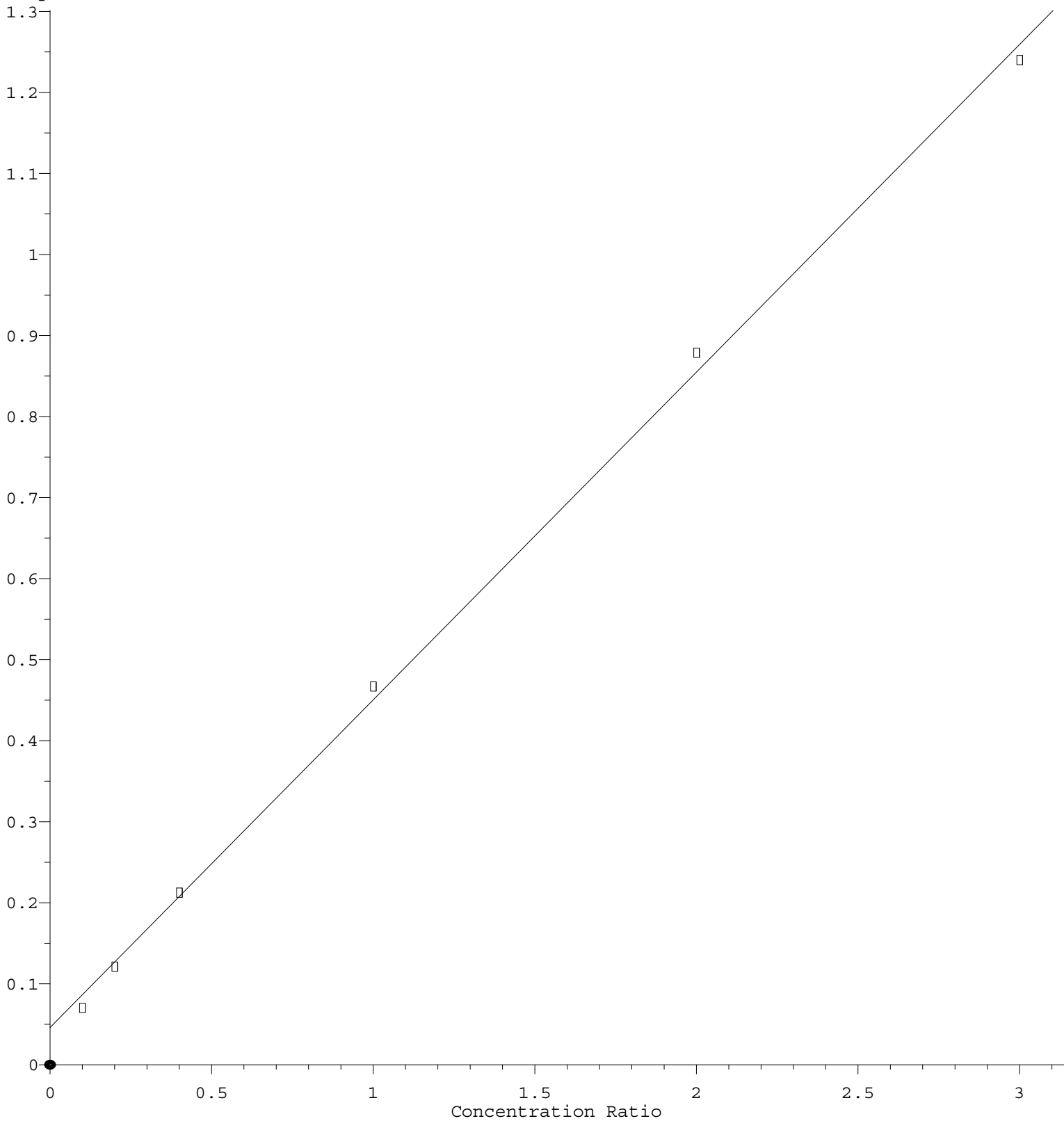
Coef of Det (r^2) = 0.997044 Curve Fit: Linear

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Methylene Chloride

Response Ratio



$$\text{Response} = 4.046\text{e-}001 * \text{Amt} + 4.642\text{e-}002$$

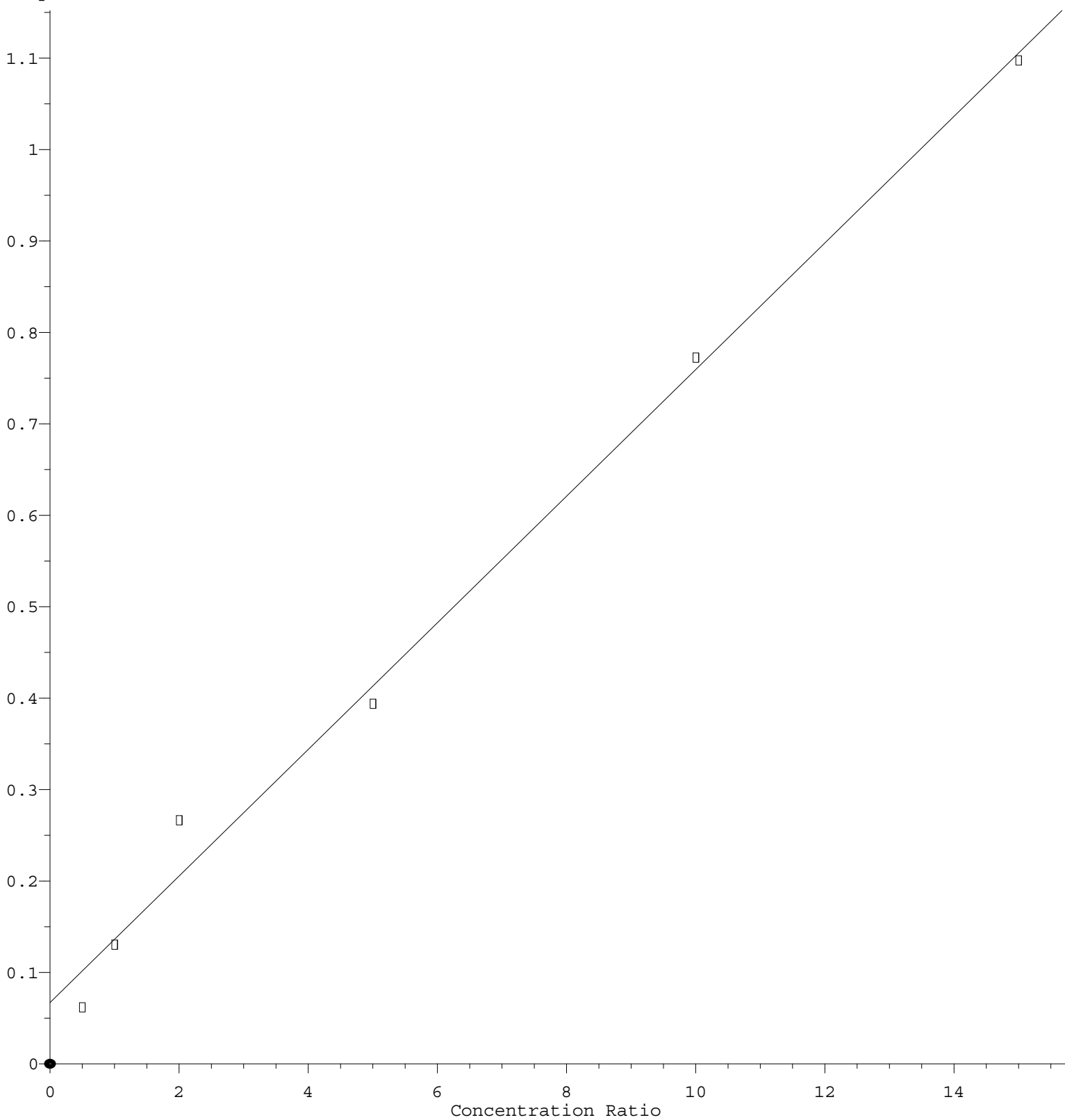
Coef of Det (r^2) = 0.998614 Curve Fit: Linear

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Acetone

Response Ratio



$$\text{Response} = 6.926\text{e-}002 * \text{Amt} + 6.698\text{e-}002$$

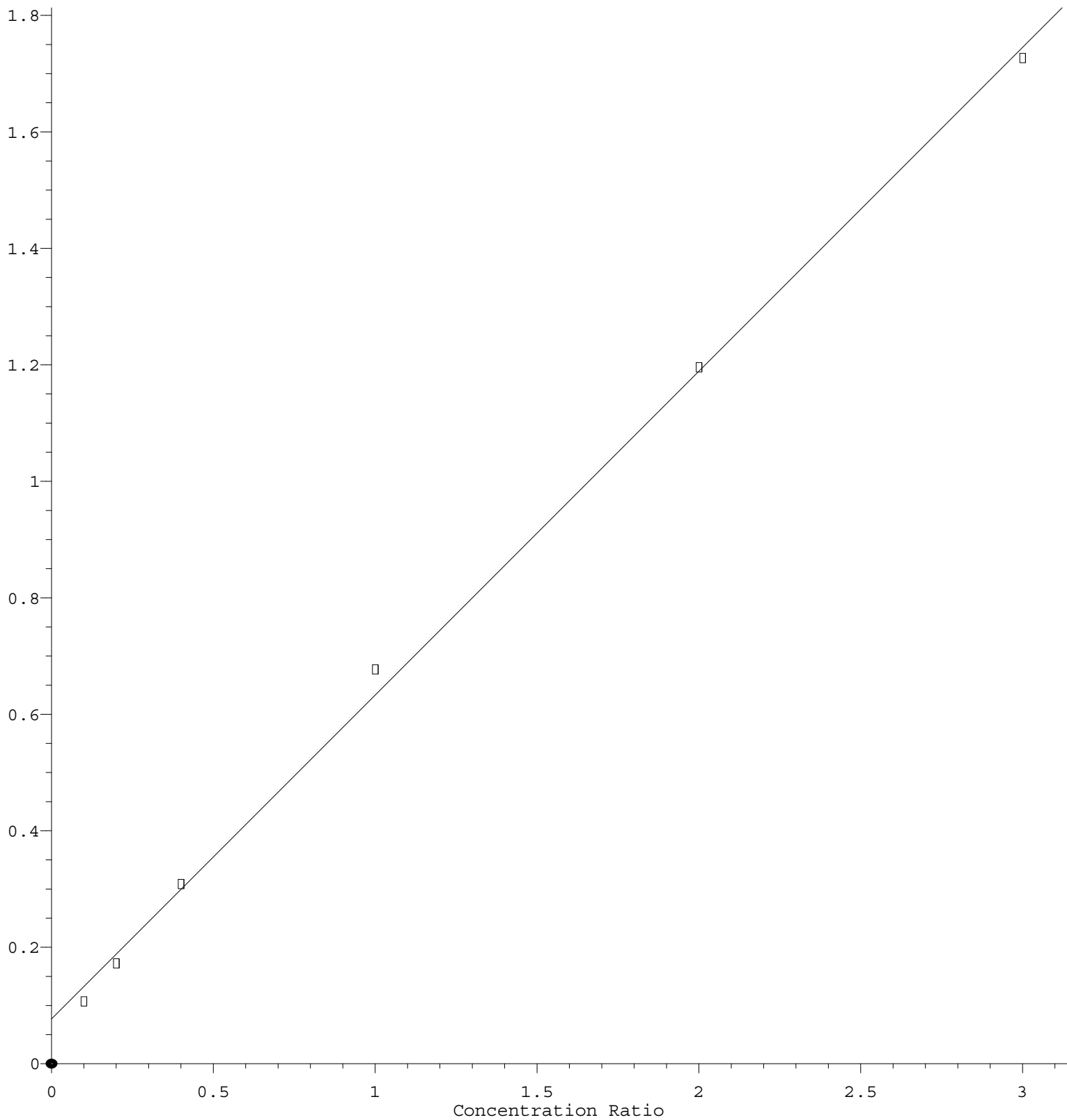
Coef of Det (r^2) = 0.992680 Curve Fit: Linear

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Chloromethane

Response Ratio



$$\text{Response} = 5.561\text{e-}001 * \text{Amt} + 7.692\text{e-}002$$

Coef of Det (r^2) = 0.998411 Curve Fit: Linear

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