

Method Path : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\
 Method File : 82Y121523S.M
 Title : SW846 8260
 Last Update : Sat Dec 16 00:39:52 2023
 Response Via : Initial Calibration

Calibration Files

5 =VY016655.D 10 =VY016656.D 20 =VY016657.D 50 =VY016658.D 100 =VY016659.D 150 =VY016660.D

	Compound	5	10	20	50	100	150	Avg	%RSD
1) I	Pentafluorobenzene	-----ISTD-----							
2) T	Dichlorodifluo...	0.453	0.406	0.405	0.340	0.350	0.384	0.390	10.66
3) P	Chloromethane	0.648	0.663	0.688	0.548	0.527	0.569	0.607	11.12
4) C	Vinyl Chloride	0.668	0.749	0.792	0.639	0.640	0.694	0.697	8.89#
5) T	Bromomethane	0.510	0.541	0.552	0.434	0.449	0.508	0.499	9.58
6) T	Chloroethane	0.441	0.486	0.517	0.408	0.417	0.451	0.453	9.14
7) T	Trichlorofluor...	0.761	0.855	0.902	0.682	0.701	0.770	0.779	11.00
8) T	Diethyl Ether	0.217	0.250	0.266	0.237	0.231	0.258	0.243	7.46
9) T	1,1,2-Trichlor...	0.490	0.523	0.545	0.425	0.427	0.479	0.482	10.17
10) T	Methyl Iodide	0.466	0.483	0.550	0.457	0.501	0.550	0.501	8.11
11) T	Tert butyl alc...	0.034	0.042	0.031	0.031	0.028	0.031	0.033	14.70
12) CM	1,1-Dichloroet...	0.422	0.493	0.513	0.408	0.421	0.466	0.454	9.56#
13) T	Acrolein	0.025	0.039	0.029	0.023	0.022	0.021	0.027	25.47
14) T	Allyl chloride	0.550	0.651	0.685	0.577	0.591	0.638	0.615	8.29
15) T	Acrylonitrile	0.094	0.109	0.104	0.102	0.095	0.103	0.101	5.66
16) T	Acetone	0.157	0.164	0.132	0.093	0.084	0.093	0.120	29.43
17) T	Carbon Disulfide	1.371	1.548	1.644	1.308	1.322	1.421	1.436	9.34
18) T	Methyl Acetate	0.359	0.418	0.369	0.391	0.360	0.396	0.382	6.12
19) T	Methyl tert-bu...	0.909	1.087	1.118	1.050	1.052	1.170	1.064	8.31
20) T	Methylene Chlo...	0.851	0.771	0.699	0.489	0.464	0.487	0.627	26.85
21) T	trans-1,2-Dich...	0.492	0.556	0.607	0.479	0.497	0.542	0.529	9.23
22) T	Diisopropyl ether	1.108	1.377	1.479	1.291	1.280	1.380	1.319	9.56
23) T	Vinyl Acetate	0.541	0.682	0.697	0.651	0.634	0.695	0.650	9.10
24) P	1,1-Dichloroet...	0.792	0.943	0.983	0.784	0.799	0.863	0.861	9.89
25) T	2-Butanone	0.183	0.207	0.164	0.134	0.123	0.137	0.158	20.66
26) T	2,2-Dichloropr...	0.733	0.808	0.857	0.692	0.709	0.786	0.764	8.33
27) T	cis-1,2-Dichlo...	0.509	0.603	0.641	0.527	0.546	0.601	0.571	8.97
28) T	Bromochloromet...	0.164	0.237	0.187	0.345	0.315	0.314	0.260	28.80
29) T	Tetrahydrofuran	0.069	0.087	0.078	0.083	0.076	0.084	0.079	8.35
30) C	Chloroform	0.843	0.960	1.016	0.821	0.828	0.903	0.895	8.90#
31) T	Cyclohexane	0.839	0.912	0.906	0.706	0.710	0.771	0.807	11.47
32) T	1,1,1-Trichlor...	0.757	0.867	0.905	0.715	0.750	0.825	0.803	9.25
33) S	1,2-Dichloroet...	0.369	0.318	0.317	0.459	0.430	0.398	0.382	15.27
34) I	1,4-Difluorobenzene	-----ISTD-----							
35) S	Dibromofluorom...	0.274	0.235	0.242	0.296	0.291	0.271	0.268	9.26
36) T	1,1-Dichloropr...	0.423	0.472	0.503	0.395	0.422	0.452	0.444	8.83
37) T	Ethyl Acetate	0.180	0.204	0.183	0.181	0.171	0.181	0.183	5.92
38) T	Carbon Tetrach...	0.411	0.466	0.513	0.397	0.428	0.463	0.446	9.54
39) T	Methylcyclohexane	0.501	0.568	0.630	0.504	0.539	0.607	0.558	9.59
40) TM	Benzene	1.186	1.372	1.480	1.171	1.240	1.363	1.302	9.38
41) T	Methacrylonitrile	0.093	0.096	0.086	0.092	0.092	0.095	0.092	3.94
42) TM	1,2-Dichloroet...	0.301	0.356	0.364	0.312	0.317	0.346	0.333	7.85
43) T	Isopropyl Acetate	0.286	0.358	0.342	0.334	0.329	0.370	0.336	8.69
44) TM	Trichloroethene	0.341	0.387	0.407	0.318	0.344	0.379	0.363	9.32
45) C	1,2-Dichloropr...	0.276	0.318	0.342	0.283	0.290	0.316	0.304	8.33#
46) T	Dibromomethane	0.147	0.173	0.185	0.163	0.162	0.180	0.168	8.40
47) T	Bromodichlorom...	0.383	0.443	0.467	0.396	0.409	0.451	0.425	7.90
48) T	Methyl methacr...	0.151	0.196	0.187	0.188	0.187	0.210	0.186	10.49
49) T	1,4-Dioxane	0.002	0.002	0.002	0.002	0.002	0.002	0.002	8.84
50) S	Toluene-d8	0.866	0.707	0.765	1.136	1.133	1.060	0.944	20.13
51) T	4-Methyl-2-Pen...	0.150	0.186	0.179	0.180	0.173	0.191	0.176	8.32
52) CM	Toluene	0.712	0.830	0.924	0.742	0.803	0.883	0.816	9.91#
53) T	t-1,3-Dichloro...	0.336	0.413	0.427	0.384	0.403	0.443	0.401	9.41
54) T	cis-1,3-Dichlo...	0.415	0.490	0.541	0.451	0.475	0.521	0.482	9.56
55) T	1,1,2-Trichlor...	0.216	0.247	0.260	0.222	0.225	0.249	0.236	7.58
56) T	Ethyl methacry...	0.158	0.194	0.209	0.209	0.217	0.242	0.205	13.69

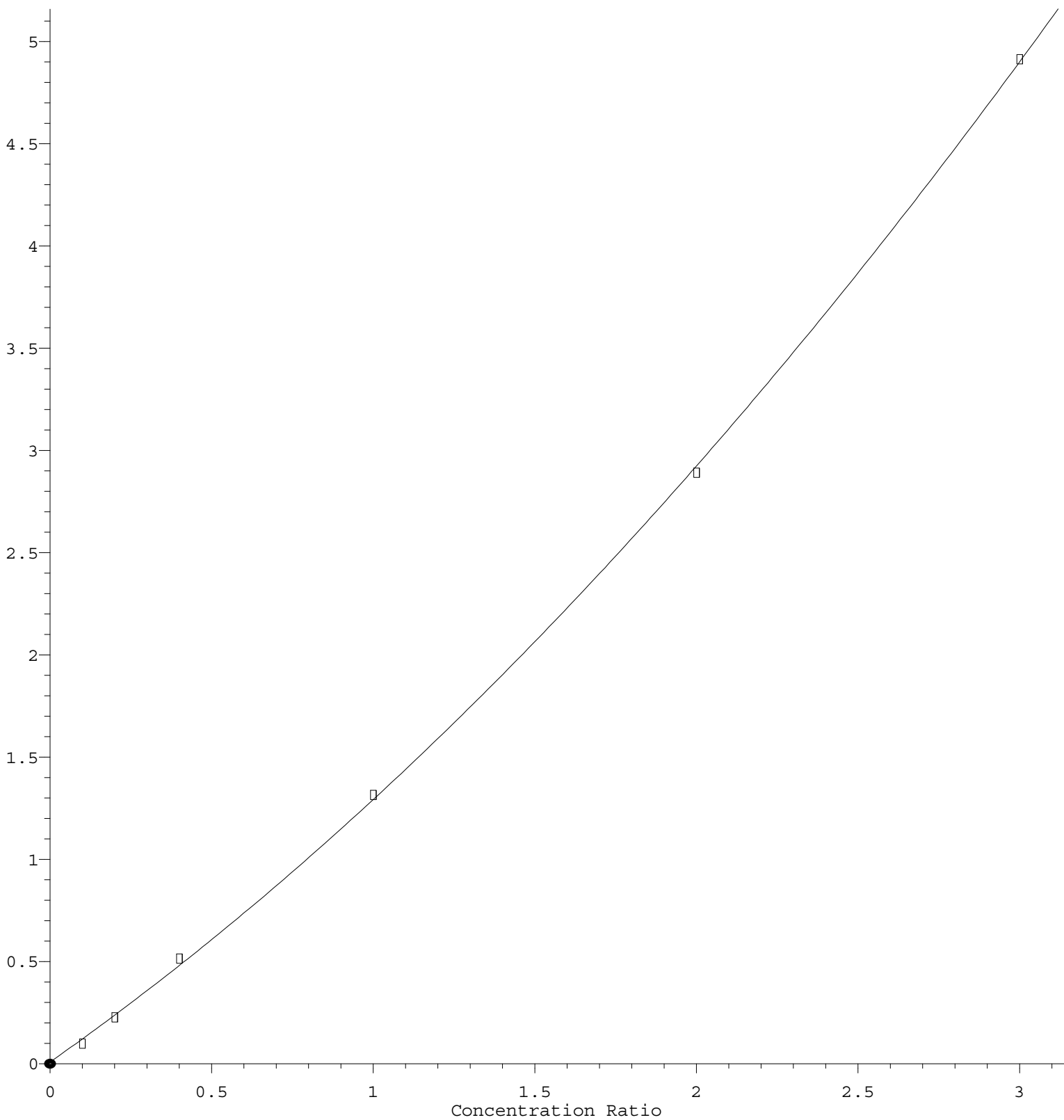
Method Path : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\
 Method File : 82Y121523S.M

57)	T	1,3-Dichloropr...	0.350	0.413	0.426	0.378	0.380	0.413	0.393	7.34
58)	T	2-Chloroethyl ...	0.101	0.113	0.107	0.151	0.146	0.147	0.127	17.89
59)	T	2-Hexanone	0.149	0.181	0.148	0.130	0.124	0.136	0.145	14.09
60)	T	Dibromochlorom...	0.250	0.299	0.310	0.268	0.282	0.310	0.286	8.49
61)	T	1,2-Dibromoethane	0.194	0.234	0.239	0.212	0.214	0.239	0.222	8.09
62)	S	4-Bromofluorob...	0.385	0.291	0.311	0.371	0.365	0.340	0.344	10.69
63)	I	Chlorobenzene-d5	-----ISTD-----							
64)	T	Tetrachloroethene	0.378	0.427	0.472	0.360	0.390	0.432	0.410	10.14
65)	PM	Chlorobenzene	0.887	1.022	1.118	0.864	0.928	1.033	0.975	10.07
66)	T	1,1,1,2-Tetrac...	0.316	0.359	0.403	0.318	0.351	0.394	0.357	10.29
67)	C	Ethyl Benzene	1.535	1.765	2.010	1.565	1.724	1.928	1.755	10.83#
68)	T	m/p-Xylenes	0.579	0.678	0.777	0.610	0.671	0.747	0.677	11.26
69)	T	o-Xylene	0.521	0.620	0.703	0.557	0.621	0.694	0.619	11.66
70)	T	Styrene	0.709	0.886	1.019	0.836	0.907	1.025	0.897	13.22
71)	P	Bromoform	0.178	0.194	0.200	0.184	0.190	0.215	0.193	6.59
72)	I	1,4-Dichlorobenzen...	-----ISTD-----							
73)	T	Isopropylbenzene	2.872	3.618	4.184	3.081	3.447	3.900	3.517	14.00
74)	T	N-amyl acetate	0.500	0.676	0.701	0.649	0.667	0.763	0.659	13.24
75)	P	1,1,2,2-Tetrac...	0.536	0.682	0.640	0.551	0.554	0.626	0.598	9.90
76)	T	1,2,3-Trichlor...	0.372	0.548	0.495	0.426	0.438	0.469	0.458	13.20
77)	T	Bromobenzene	0.741	0.846	0.920	0.734	0.794	0.909	0.824	9.82
78)	T	n-propylbenzene	3.652	4.327	4.972	3.685	4.027	4.559	4.204	12.30
79)	T	2-Chlorotoluene	1.993	2.422	2.740	2.019	2.206	2.469	2.308	12.53
80)	T	1,3,5-Trimethy...	2.295	2.857	3.338	2.495	2.768	3.120	2.812	13.71
81)	T	trans-1,4-Dich...	0.173	0.215	0.214	0.192	0.192	0.217	0.200	8.83
82)	T	4-Chlorotoluene	2.074	2.472	2.844	2.106	2.260	2.566	2.387	12.45
83)	T	tert-Butylbenzene	2.143	2.457	2.866	2.172	2.393	2.692	2.454	11.61
84)	T	1,2,4-Trimethy...	2.277	2.800	3.282	2.497	2.753	3.125	2.789	13.46
85)	T	sec-Butylbenzene	3.095	3.717	4.275	3.208	3.453	3.856	3.601	12.19
86)	T	p-Isopropyltol...	2.550	3.046	3.633	2.762	2.995	3.458	3.074	13.32
87)	T	1,3-Dichlorobe...	1.480	1.627	1.812	1.406	1.527	1.756	1.601	9.97
88)	T	1,4-Dichlorobe...	1.477	1.626	1.799	1.383	1.492	1.672	1.575	9.64
89)	T	n-Butylbenzene	2.500	2.888	3.399	2.569	2.711	3.067	2.856	11.83
90)	T	Hexachloroethane	0.580	0.641	0.710	0.524	0.574	0.642	0.612	10.76
91)	T	1,2-Dichlorobe...	1.264	1.415	1.540	1.234	1.315	1.477	1.374	8.92
92)	T	1,2-Dibromo-3-...	0.085	0.093	0.087	0.081	0.081	0.092	0.087	6.14
93)	T	1,2,4-Trichlor...	0.669	0.679	0.789	0.686	0.763	0.867	0.742	10.56
94)	T	Hexachlorobuta...	0.480	0.465	0.511	0.380	0.392	0.445	0.446	11.43
95)	T	Naphthalene	0.984	1.135	1.286	1.315	1.445	1.638	1.300	17.63
96)	T	1,2,3-Trichlor...	0.543	0.555	0.634	0.584	0.637	0.718	0.612	10.62

(#) = Out of Range

Naphthalene

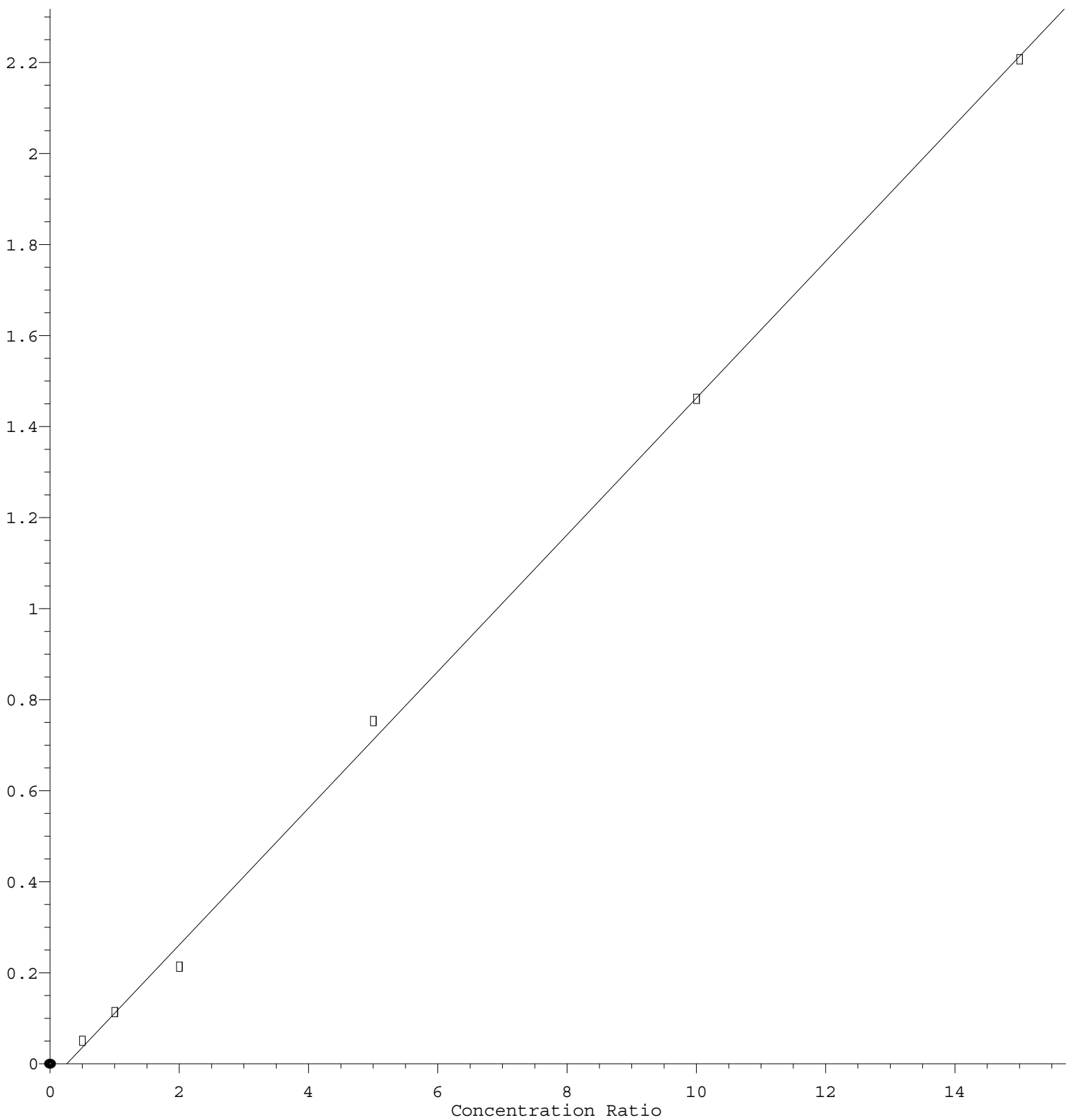
Response Ratio



$R = 1.734e-001 A^2 + 1.110e+000 A + 8.869e-003$
 Coef of Det (r^2) = 0.999807 Curve Fit: Quadratic
 Method Name: Z:\voasrv\HPCHEM1\MSVOA Y\methods\82Y121523S.M
 Calibration Table Last Updated: Sat Dec 16 00:39:52 2023

2-Chloroethyl Vinyl ether

Response Ratio



$$\text{Response} = 1.501\text{e-}001 * \text{Amt} - 3.860\text{e-}002$$

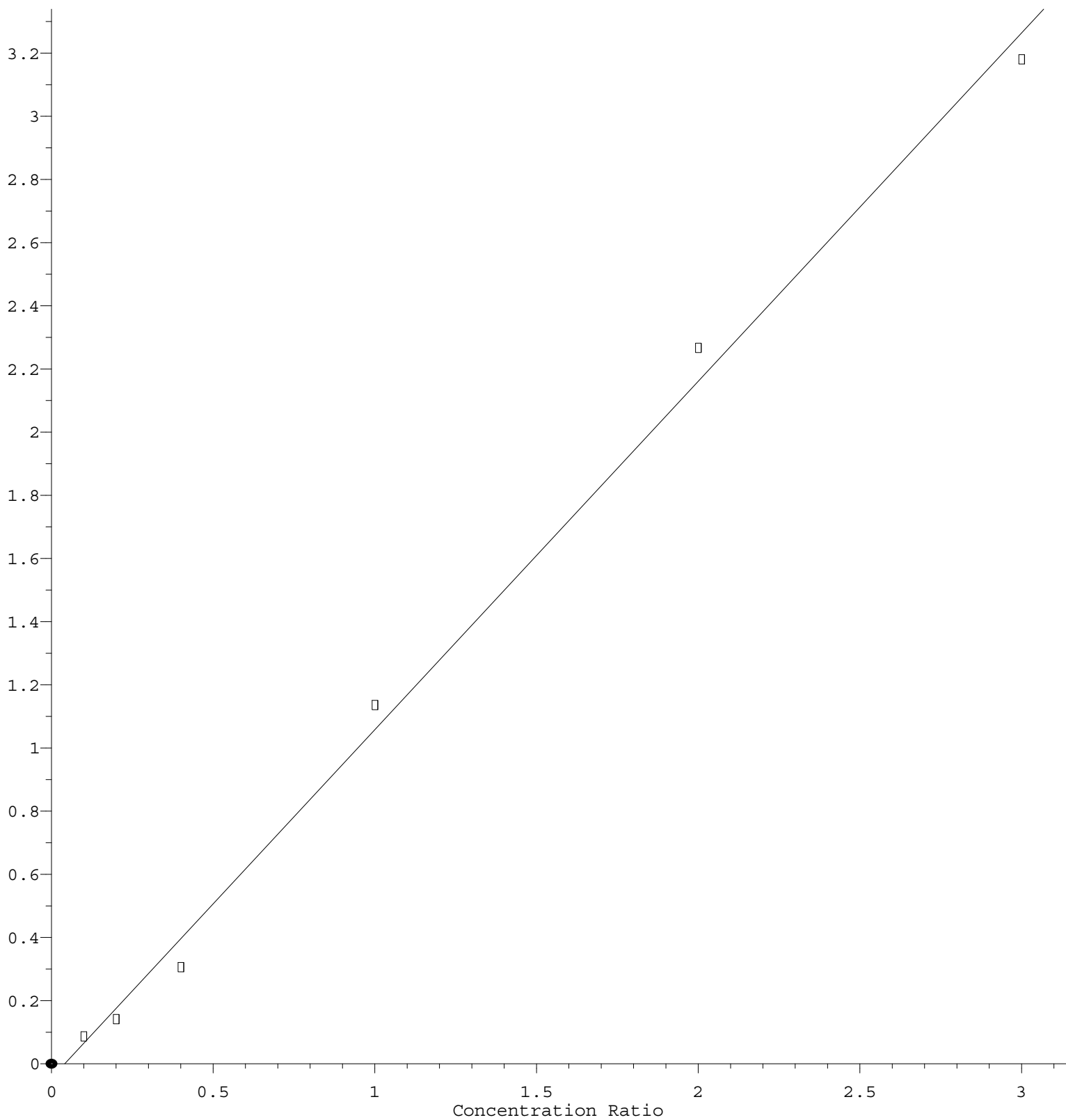
Coef of Det (r^2) = 0.998874 Curve Fit: Linear

Method Name: Z:\voasrv\HPCHEM1\MSVOA Y\methods\82Y121523S.M

Calibration Table Last Updated: Sat Dec 16 00:39:52 2023

Toluene-d8

Response Ratio



$$\text{Response} = 1.103\text{e}+000 * \text{Amt} - 4.571\text{e}-002$$

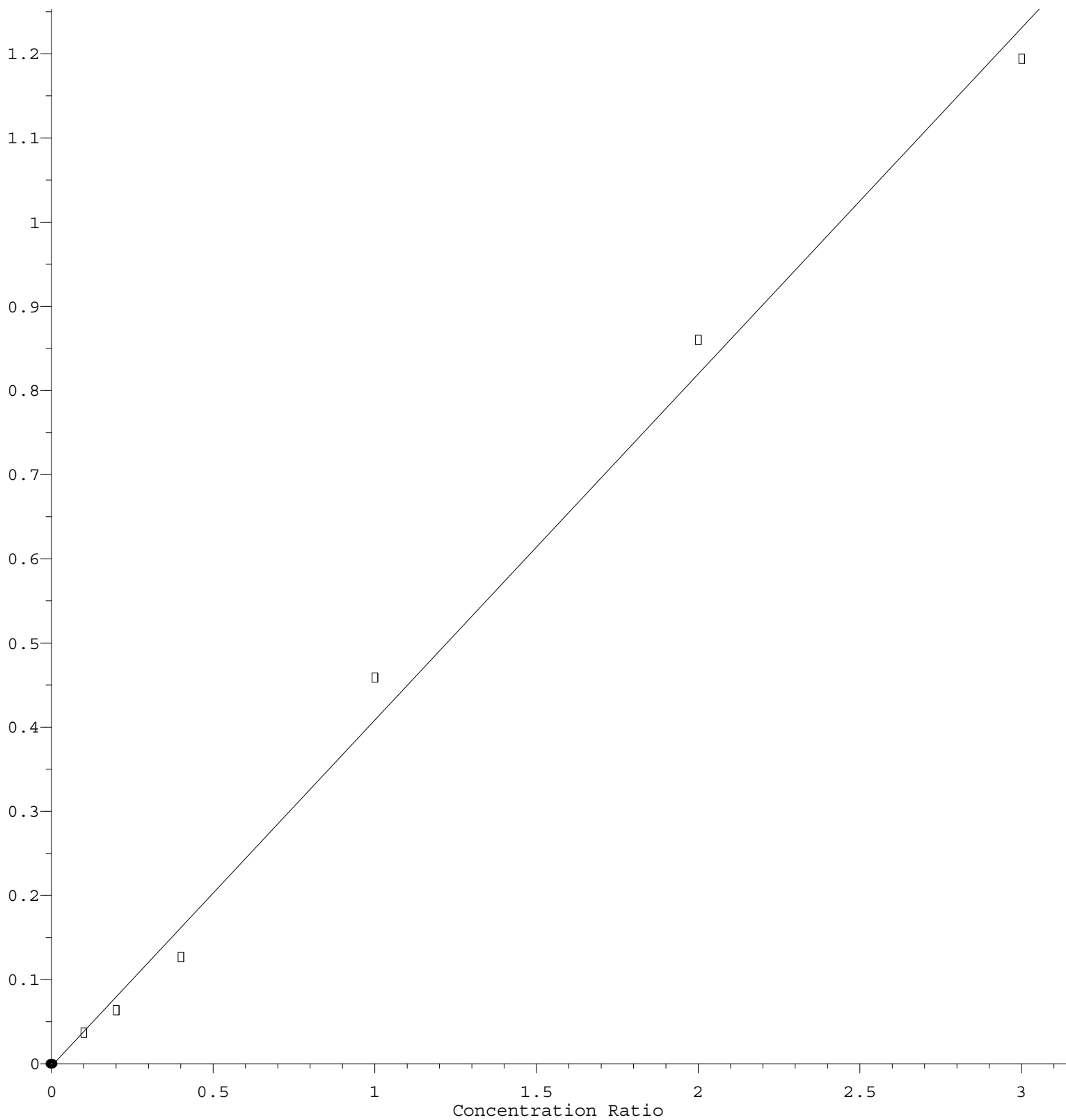
Coef of Det (r^2) = 0.995856 Curve Fit: Linear

Method Name: Z:\voasrv\HPCHEM1\MSVOA Y\methods\82Y121523S.M

Calibration Table Last Updated: Sat Dec 16 00:39:52 2023

1,2-Dichloroethane-d4

Response Ratio



$$\text{Response} = 4.114\text{e-}001 * \text{Amt} - 2.747\text{e-}003$$

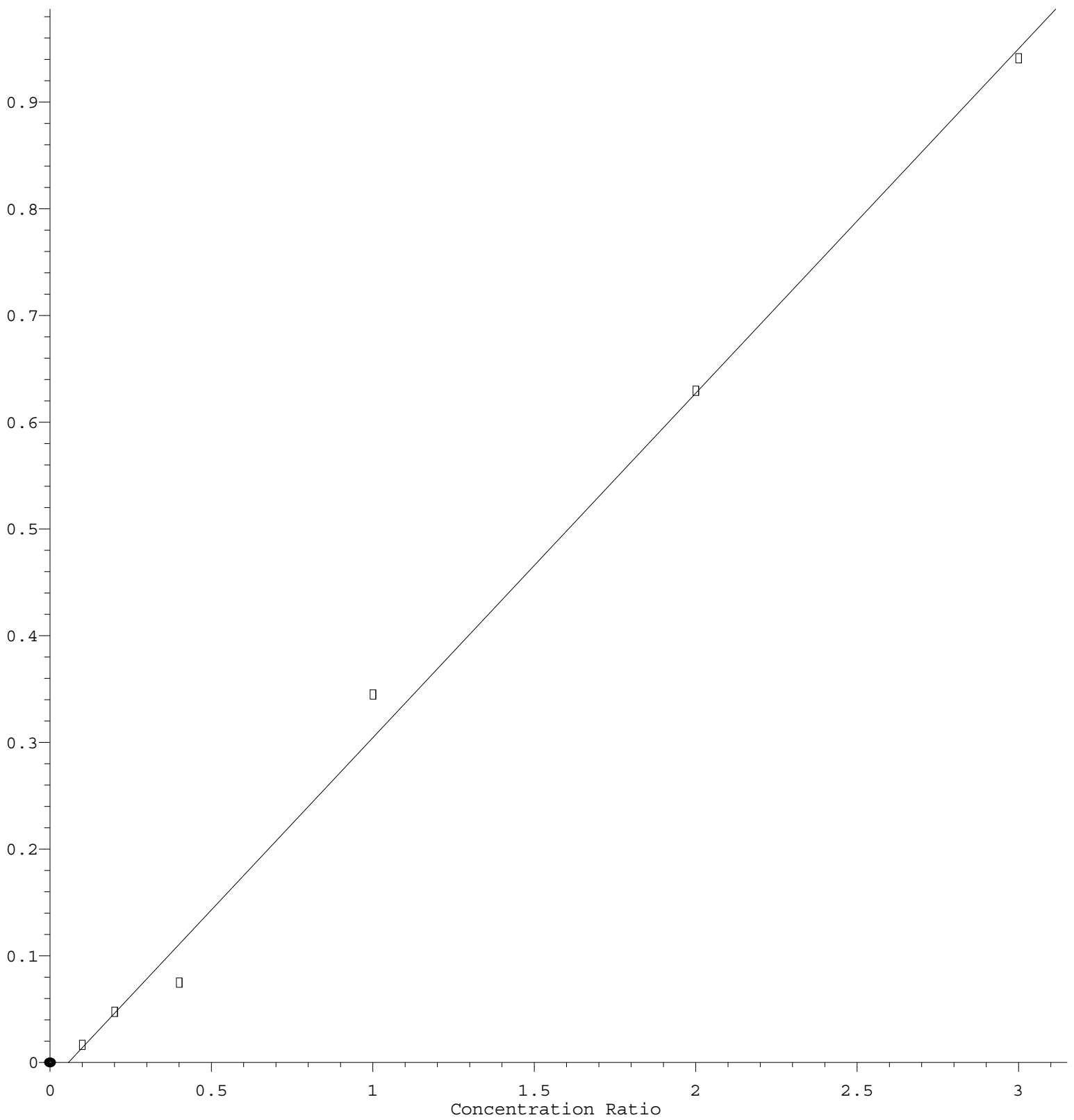
Coef of Det (r^2) = 0.993883 Curve Fit: Linear

Method Name: Z:\voasrv\HPCHEM1\MSVOA Y\methods\82Y121523S.M

Calibration Table Last Updated: Sat Dec 16 00:39:52 2023

Bromochloromethane

Response Ratio



$$\text{Response} = 3.231\text{e-}001 * \text{Amt} - 1.853\text{e-}002$$

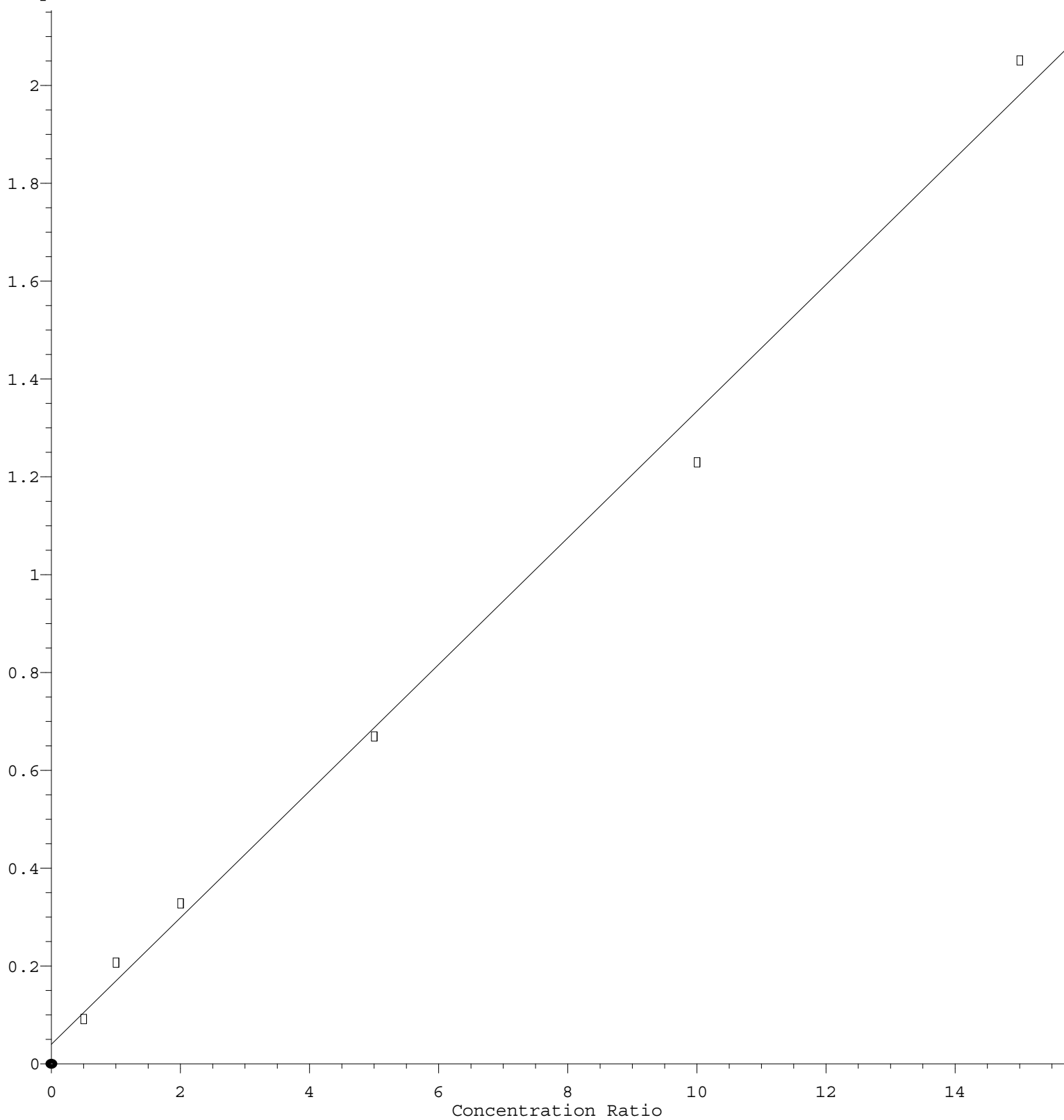
Coef of Det (r^2) = 0.995714 Curve Fit: Linear

Method Name: Z:\voasrv\HPCHEM1\MSVOA Y\methods\82Y121523S.M

Calibration Table Last Updated: Sat Dec 16 00:39:52 2023

2-Butanone

Response Ratio



$$\text{Response} = 1.294\text{e-}001 * \text{Amt} + 4.023\text{e-}002$$

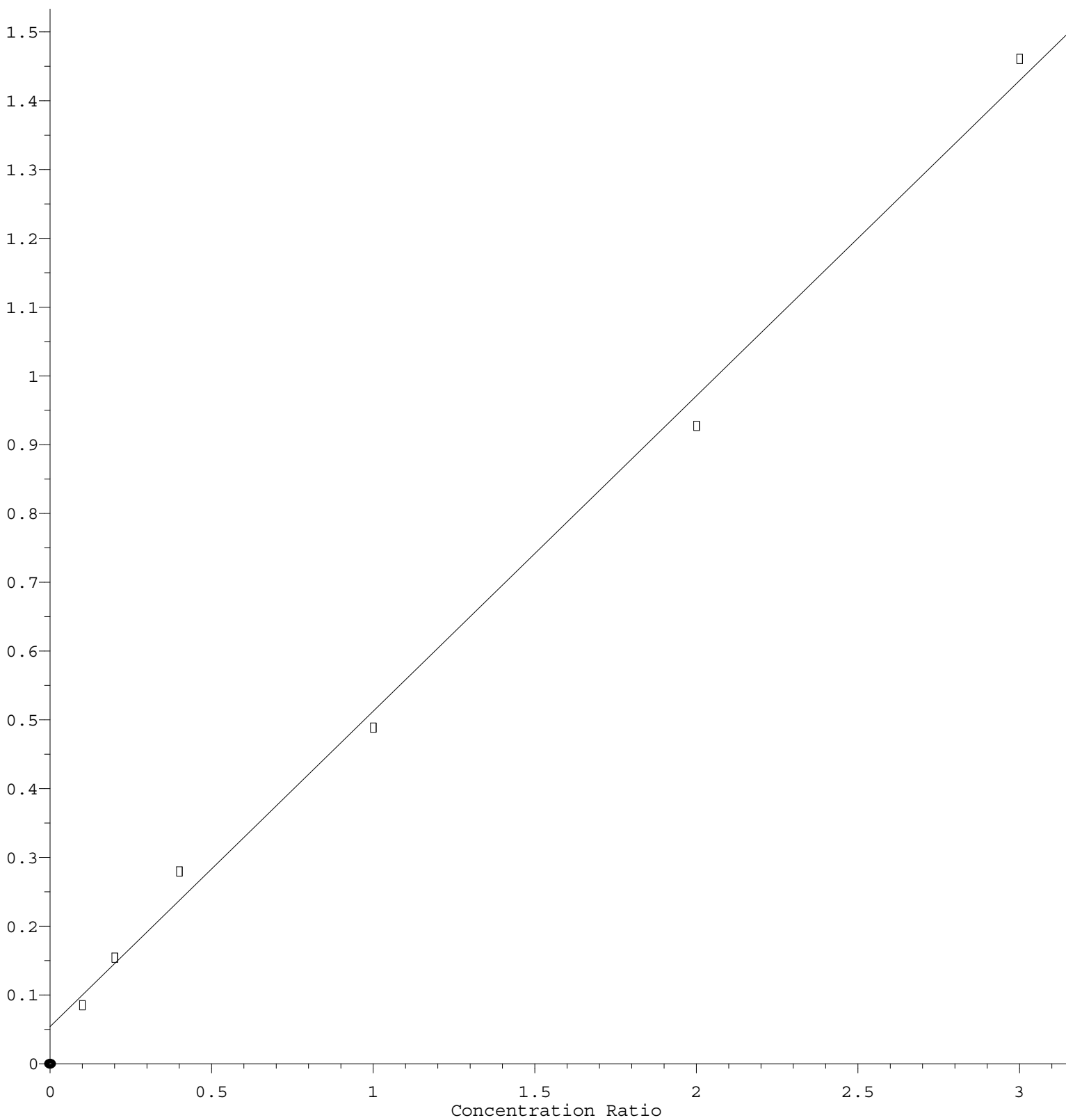
Coef of Det (r^2) = 0.993461 Curve Fit: Linear

Method Name: Z:\voasrv\HPCHEM1\MSVOA Y\methods\82Y121523S.M

Calibration Table Last Updated: Sat Dec 16 00:39:52 2023

Methylene Chloride

Response Ratio



$$\text{Response} = 4.585\text{e-}001 * \text{Amt} + 5.395\text{e-}002$$

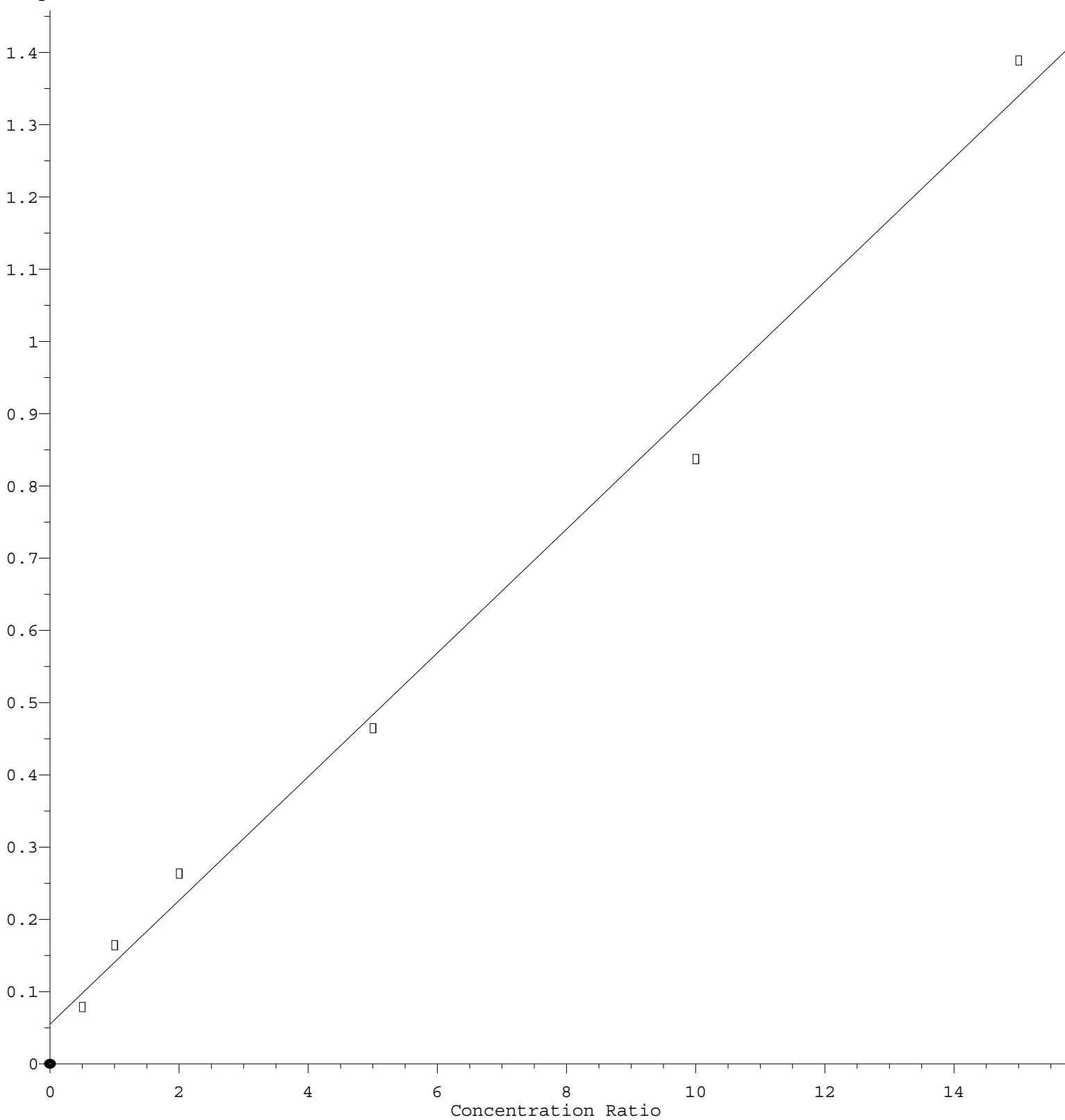
Coef of Det (r^2) = 0.996111 Curve Fit: Linear

Method Name: Z:\voasrv\HPCHEM1\MSVOA Y\methods\82Y121523S.M

Calibration Table Last Updated: Sat Dec 16 00:39:52 2023

Acetone

Response Ratio



$$\text{Response} = 8.567\text{e-}002 * \text{Amt} + 5.451\text{e-}002$$

Coef of Det (r^2) = 0.991480 Curve Fit: Linear

Method Name: Z:\voasrv\HPCHEM1\MSVOA Y\methods\82Y121523S.M

Calibration Table Last Updated: Sat Dec 16 00:39:52 2023