

Method Path : Z:\voasrv\HPCHEM1\MSVOA_X\Method\
 Method File : 82X102624W.M
 Title : SW846 8260
 Last Update : Sat Oct 26 04:43:47 2024
 Response Via : Initial Calibration

Calibration Files

1 =VX043535.D 5 =VX043536.D 20 =VX043537.D 50 =VX043538.D 100 =VX043539.D 150 =VX043540.D

	Compound	1	5	20	50	100	150	Avg	%RSD
1) I	Pentafluorobenzene	-----ISTD-----							
2) T	Dichlorodifluo...	0.600	0.631	0.513	0.521	0.533	0.546	0.557	8.52
3) P	Chloromethane	0.888	0.761	0.609	0.675	0.666	0.666	0.711	14.00
4) C	Vinyl Chloride	0.665	0.682	0.590	0.649	0.646	0.653	0.648	4.81#
5) T	Bromomethane		0.271	0.225	0.245	0.262	0.262	0.253	7.22
6) T	Chloroethane	0.248	0.208	0.190	0.206	0.207	0.213	0.212	9.14
7) T	Trichlorofluor...	0.865	0.907	0.791	0.828	0.844	0.865	0.850	4.59
8) T	Diethyl Ether	0.380	0.374	0.335	0.382	0.377	0.379	0.371	4.81
9) T	1,1,2-Trichlor...	0.556	0.572	0.512	0.519	0.519	0.543	0.537	4.49
10) T	Methyl Iodide		0.735	0.669	0.768	0.782	0.761	0.743	6.00
11) T	Tert butyl alc...		0.159	0.155	0.177	0.178	0.179	0.169	6.78
12) CM	1,1-Dichloroet...	0.492	0.549	0.485	0.531	0.551	0.556	0.528	5.93#
13) T	Acrolein		0.139	0.117	0.133	0.137	0.142	0.133	7.18
14) T	Allyl chloride	0.969	0.881	0.845	0.962	0.981	0.979	0.936	6.24
15) T	Acrylonitrile	0.361	0.374	0.341	0.393	0.391	0.393	0.375	5.67
16) T	Acetone	0.374	0.343	0.299	0.338	0.338	0.339	0.339	7.08
17) T	Carbon Disulfide	1.076	0.954	0.930	1.072	1.219	1.300	1.092	13.29
18) T	Methyl Acetate	1.083	1.018	0.910	1.027	1.019	1.047	1.018	5.68
19) T	Methyl tert-bu...	2.012	2.060	1.875	2.150	2.112	2.105	2.052	4.82
20) T	Methylene Chlo...	0.696	0.677	0.601	0.670	0.661	0.665	0.662	4.86
21) T	trans-1,2-Dich...	0.604	0.582	0.521	0.566	0.576	0.578	0.571	4.79
22) T	Diisopropyl ether	1.849	1.953	1.794	2.038	1.990	1.968	1.932	4.76
23) T	Vinyl Acetate	1.294	1.512	1.499	1.758	1.757	1.756	1.596	12.06
24) P	1,1-Dichloroet...	1.056	1.092	1.010	1.131	1.116	1.133	1.090	4.47
25) T	2-Butanone	0.497	0.511	0.475	0.536	0.529	0.537	0.514	4.78
26) T	2,2-Dichloropr...	0.831	0.782	0.705	0.792	0.798	0.804	0.785	5.43
27) T	cis-1,2-Dichlo...	0.671	0.734	0.655	0.732	0.735	0.743	0.712	5.34
28) T	Bromochloromet...	0.572	0.509	0.575	0.537	0.523	0.519	0.539	5.25
29) T	Tetrahydrofuran	0.331	0.346	0.309	0.346	0.341	0.341	0.336	4.31
30) C	Chloroform	1.199	1.178	1.082	1.192	1.177	1.165	1.165	3.67#
31) T	Cyclohexane		0.935	0.851	0.840	0.841	0.856	0.865	4.64
32) T	1,1,1-Trichlor...	0.927	0.973	0.927	1.006	1.011	1.031	0.979	4.55
33) S	1,2-Dichloroet...		0.805	0.759	0.831	0.787	0.784	0.793	3.39
34) I	1,4-Difluorobenzene	-----ISTD-----							
35) S	Dibromofluorom...		0.328	0.318	0.346	0.337	0.336	0.333	3.07
36) T	1,1-Dichloropr...	0.379	0.430	0.377	0.387	0.392	0.400	0.394	4.93
37) T	Ethyl Acetate	0.523	0.512	0.514	0.574	0.554	0.550	0.538	4.71
38) T	Carbon Tetrach...	0.462	0.458	0.415	0.430	0.456	0.466	0.448	4.53
39) T	Methylcyclohexane	0.507	0.542	0.488	0.483	0.498	0.514	0.505	4.24
40) TM	Benzene	1.242	1.417	1.260	1.328	1.332	1.325	1.317	4.70
41) T	Methacrylonitrile	0.208	0.265	0.256	0.302	0.298	0.293	0.271	13.33
42) TM	1,2-Dichloroet...	0.437	0.497	0.463	0.507	0.505	0.499	0.485	5.84
43) T	Isopropyl Acetate	0.792	0.841	0.783	0.887	0.895	0.906	0.851	6.32
44) TM	Trichloroethene	0.271	0.329	0.296	0.324	0.326	0.330	0.312	7.70
45) C	1,2-Dichloropr...	0.298	0.314	0.307	0.338	0.337	0.336	0.322	5.52#
46) T	Dibromomethane	0.222	0.235	0.228	0.264	0.268	0.265	0.247	8.42
47) T	Bromodichlorom...	0.356	0.421	0.402	0.463	0.492	0.496	0.438	12.58
48) T	Methyl methacr...	0.325	0.372	0.365	0.434	0.444	0.443	0.397	12.59
49) T	1,4-Dioxane	0.010	0.010	0.010	0.011	0.011	0.011	0.010	4.94
50) S	Toluene-d8		1.166	1.173	1.170	1.136	1.127	1.154	1.84
51) T	4-Methyl-2-Pen...	0.465	0.553	0.517	0.568	0.569	0.562	0.539	7.62
52) CM	Toluene	0.807	0.845	0.772	0.819	0.821	0.808	0.812	2.95#
53) T	t-1,3-Dichloro...	0.342	0.404	0.414	0.479	0.505	0.517	0.444	15.36
54) T	cis-1,3-Dichlo...	0.382	0.464	0.458	0.528	0.544	0.547	0.487	13.21
55) T	1,1,2-Trichlor...	0.336	0.346	0.328	0.353	0.348	0.344	0.343	2.62
56) T	Ethyl methacry...	0.455	0.552	0.519	0.591	0.602	0.604	0.554	10.59

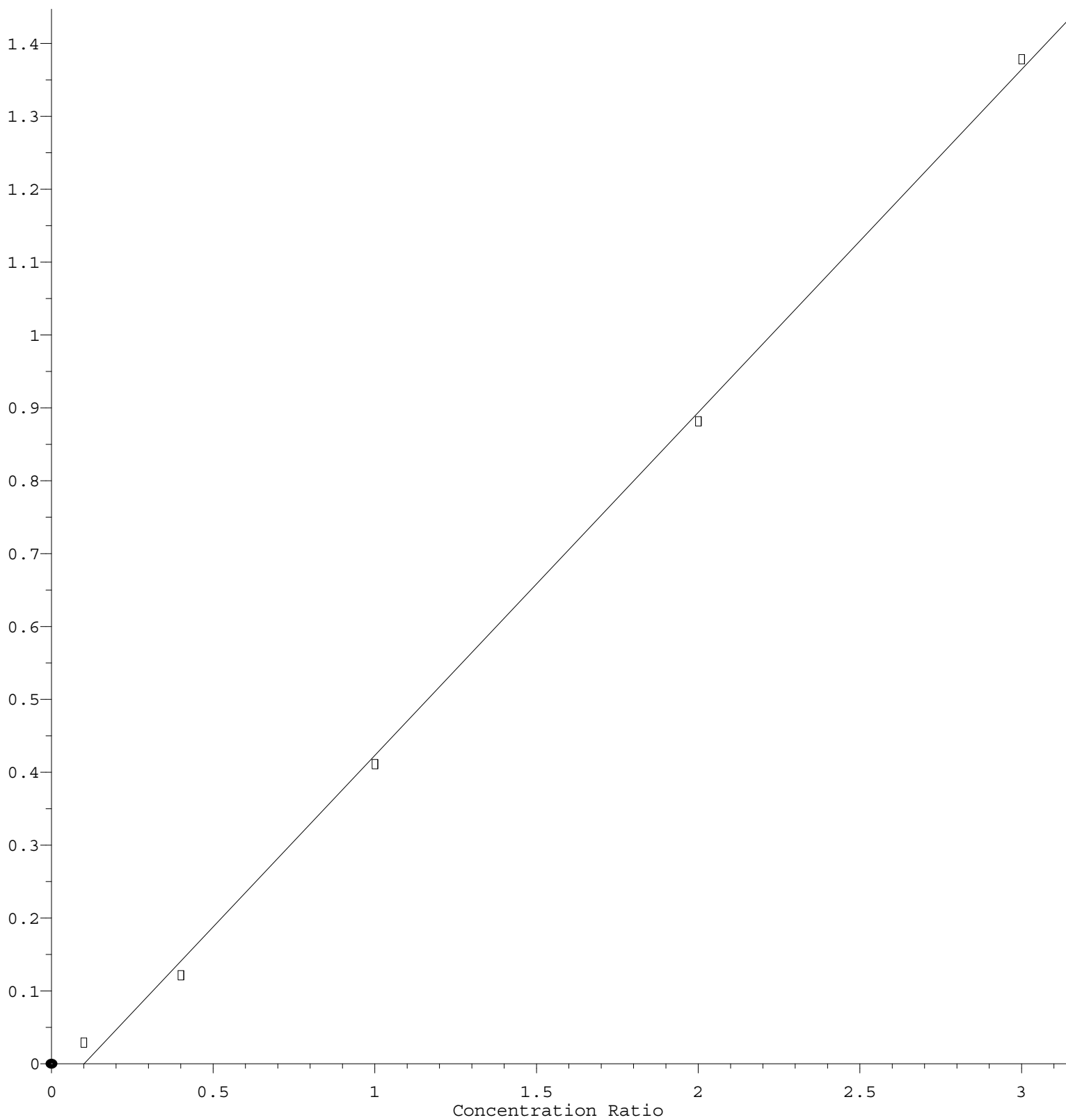
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57)	T	1,3-Dichloropr...	0.511	0.592	0.549	0.583	0.585	0.575	0.566	5.46
58)	T	2-Chloroethyl ...	0.224	0.261	0.257	0.304	0.292	0.296	0.272	11.13
59)	T	2-Hexanone	0.339	0.414	0.393	0.435	0.434	0.429	0.408	9.12
60)	T	Dibromochlorom...	0.230	0.282	0.291	0.352	0.378	0.391	0.321	19.63
61)	T	1,2-Dibromoethane	0.294	0.353	0.323	0.364	0.370	0.368	0.345	8.86
62)	S	4-Bromofluorob...		0.408	0.416	0.433	0.424	0.426	0.422	2.31
63)	I	Chlorobenzene-d5	-----ISTD-----							
64)	T	Tetrachloroethene	0.326	0.338	0.296	0.304	0.303	0.311	0.313	5.14
65)	PM	Chlorobenzene	1.042	1.092	0.956	1.052	1.050	1.049	1.040	4.30
66)	T	1,1,1,2-Tetrac...	0.322	0.345	0.322	0.362	0.376	0.380	0.351	7.37
67)	C	Ethyl Benzene	1.694	1.823	1.613	1.728	1.750	1.775	1.730	4.16#
68)	T	m/p-Xylenes	0.622	0.671	0.625	0.665	0.672	0.678	0.656	3.85
69)	T	o-Xylene	0.684	0.683	0.636	0.679	0.676	0.684	0.674	2.77
70)	T	Styrene	0.949	1.069	1.047	1.151	1.163	1.165	1.091	7.89
71)	P	Bromoform	0.173	0.186	0.204	0.264	0.291	0.303	0.237	23.65
72)	I	1,4-Dichlorobenzen...	-----ISTD-----							
73)	T	Isopropylbenzene	3.477	3.799	3.431	3.594	3.566	3.576	3.574	3.56
74)	T	N-amyl acetate	1.531	1.732	1.689	1.954	1.942	1.953	1.800	9.83
75)	P	1,1,2,2-Tetrac...	1.394	1.429	1.257	1.414	1.375	1.345	1.369	4.55
76)	T	1,2,3-Trichlor...	1.176	1.258	1.148	1.167	1.113	1.112	1.162	4.64
77)	T	Bromobenzene	0.930	0.940	0.816	0.946	0.928	0.915	0.912	5.31
78)	T	n-propylbenzene	3.372	3.880	3.695	3.958	3.940	4.008	3.809	6.29
79)	T	2-Chlorotoluene	2.655	2.736	2.375	2.553	2.519	2.495	2.556	4.95
80)	T	1,3,5-Trimethy...	2.897	3.012	2.871	3.048	2.996	2.980	2.967	2.32
81)	T	trans-1,4-Dich...		0.290	0.303	0.411	0.441	0.459	0.381	20.73
82)	T	4-Chlorotoluene	2.669	2.923	2.717	2.908	2.892	2.861	2.828	3.81
83)	T	tert-Butylbenzene	2.826	3.173	2.872	3.050	3.112	3.123	3.026	4.74
84)	T	1,2,4-Trimethy...	2.973	3.170	2.873	3.083	3.075	3.036	3.035	3.37
85)	T	sec-Butylbenzene	3.199	3.662	3.376	3.582	3.571	3.638	3.505	5.15
86)	T	p-Isopropyltol...	2.553	2.878	2.847	3.007	3.036	3.100	2.904	6.78
87)	T	1,3-Dichlorobe...	1.785	1.683	1.474	1.624	1.629	1.627	1.637	6.17
88)	T	1,4-Dichlorobe...	1.786	1.745	1.520	1.619	1.619	1.612	1.650	5.92
89)	T	n-Butylbenzene	1.917	2.254	2.221	2.482	2.546	2.704	2.354	11.92
90)	T	Hexachloroethane	0.386	0.443	0.405	0.488	0.532	0.564	0.470	15.01
91)	T	1,2-Dichlorobe...	1.747	1.715	1.593	1.712	1.697	1.665	1.688	3.18
92)	T	1,2-Dibromo-3-...	0.272	0.267	0.247	0.310	0.320	0.332	0.291	11.72
93)	T	1,2,4-Trichlor...	0.963	0.910	0.903	1.023	1.068	1.064	0.988	7.49
94)	T	Hexachlorobuta...	0.333	0.349	0.332	0.358	0.349	0.378	0.350	4.90
95)	T	Naphthalene	3.492	3.873	3.751	4.352	4.416	4.453	4.056	9.98
96)	T	1,2,3-Trichlor...	0.954	0.979	0.961	1.085	1.100	1.125	1.034	7.51

(#) = Out of Range

trans-1,4-Dichloro-2-butene

Response Ratio



$$\text{Response} = 4.708\text{e-}001 * \text{Amt} - 4.776\text{e-}002$$

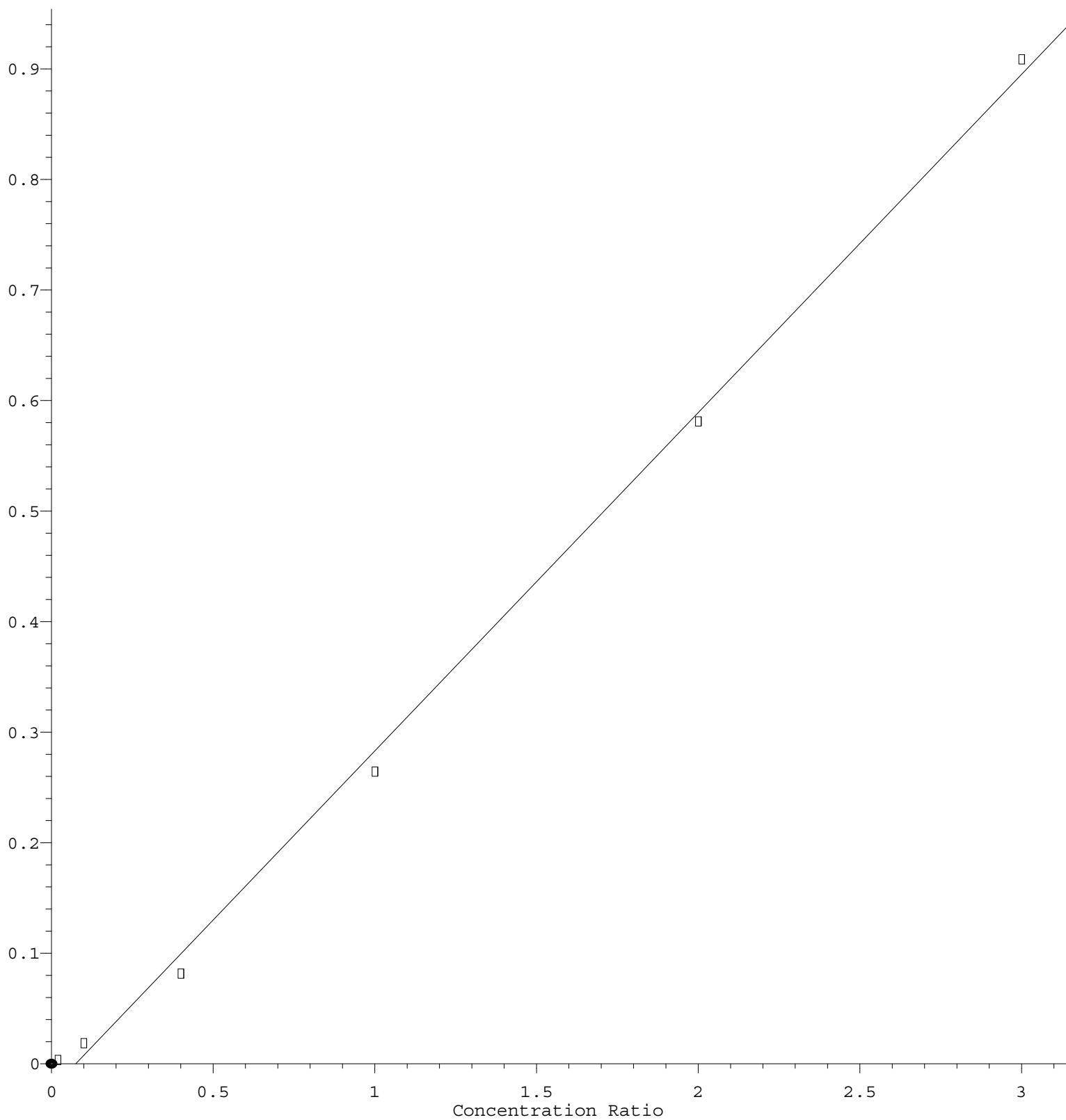
Coef of Det (r^2) = 0.998635 Curve Fit: Linear

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Bromoform

Response Ratio



$$\text{Response} = 3.060\text{e-}001 * \text{Amt} - 2.292\text{e-}002$$

Coef of Det (r^2) = 0.997818 Curve Fit: Linear

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