

Method Path : Z:\voasrv\HPCHEM1\MSVOA_D\Method\
 Method File : 82D082725S.M
 Title : SW846 8260
 Last Update : Thu Aug 28 03:02:37 2025
 Response Via : Initial Calibration

Calibration Files

5 =VD080496.D 10 =VD080497.D 20 =VD080498.D 50 =VD080499.D 100 =VD080500.D 150 =VD080501.D

	Compound	5	10	20	50	100	150	Avg	%RSD
1) I	Pentafluorobenzene	-----ISTD-----							
2) T	Dichlorodifluo...	0.502	0.466	0.485	0.363	0.352	0.387	0.426	15.54
3) P	Chloromethane	0.765	0.726	0.727	0.613	0.581	0.619	0.672	11.35
4) C	Vinyl Chloride	0.751	0.704	0.744	0.648	0.627	0.687	0.694	7.20#
5) T	Bromomethane	0.470	0.380	0.420	0.346	0.344	0.379	0.390	12.30
6) T	Chloroethane	0.501	0.455	0.481	0.433	0.409	0.438	0.453	7.44
7) T	Trichlorofluor...	0.864	0.808	0.862	0.759	0.736	0.817	0.808	6.47
8) T	Diethyl Ether	0.338	0.327	0.330	0.302	0.299	0.324	0.320	4.93
9) T	1,1,2-Trichlor...	0.590	0.521	0.540	0.498	0.473	0.522	0.524	7.61
10) T	Methyl Iodide	0.534	0.550	0.632	0.618	0.624	0.672	0.605	8.69
11) T	Tert butyl alc...	0.047	0.043	0.040	0.038	0.037	0.040	0.041	9.17
12) CM	1,1-Dichloroet...	0.570	0.529	0.569	0.535	0.509	0.563	0.546	4.61#
13) T	Acrolein	0.049	0.042	0.045	0.041	0.040	0.042	0.043	7.52
14) T	Allyl chloride	0.955	0.947	0.985	0.921	0.903	0.973	0.948	3.26
15) T	Acrylonitrile	0.147	0.137	0.146	0.138	0.138	0.149	0.143	3.74
16) T	Acetone	0.149	0.130	0.121	0.131	0.128	0.134	0.132	7.20
17) T	Carbon Disulfide	1.994	1.843	1.935	1.762	1.690	1.854	1.846	6.00
18) T	Methyl Acetate	0.391	0.373	0.399	0.339	0.362	0.367	0.372	5.76
19) T	Methyl tert-bu...	1.497	1.388	1.467	1.385	1.373	1.486	1.433	3.95
20) T	Methylene Chlo...	0.892	0.756	0.743	0.656	0.635	0.670	0.725	13.07
21) T	trans-1,2-Dich...	0.657	0.616	0.649	0.603	0.584	0.641	0.625	4.58
22) T	Diisopropyl ether	2.007	1.899	2.018	1.908	1.859	2.009	1.950	3.55
23) T	Vinyl Acetate	1.126	1.073	1.123	1.097	1.065	1.174	1.110	3.64
24) P	1,1-Dichloroet...	1.200	1.090	1.175	1.096	1.062	1.151	1.129	4.79
25) T	2-Butanone	0.198	0.187	0.180	0.181	0.181	0.194	0.187	4.04
26) T	2,2-Dichloropr...	0.957	0.864	0.911	0.874	0.842	0.916	0.894	4.68
27) T	cis-1,2-Dichlo...	0.759	0.726	0.772	0.732	0.707	0.779	0.746	3.82
28) T	Bromochloromet...	0.457	0.468	0.468	0.455	0.439	0.474	0.460	2.69
29) T	Tetrahydrofuran	0.125	0.114	0.120	0.114	0.114	0.122	0.118	4.24
30) C	Chloroform	1.113	1.049	1.099	1.065	1.024	1.126	1.079	3.67#
31) T	Cyclohexane	1.275	1.058	1.077	0.974	0.932	1.025	1.057	11.31
32) T	1,1,1-Trichlor...	0.948	0.874	0.919	0.872	0.845	0.934	0.899	4.53
33) S	1,2-Dichloroet...	0.537	0.792	0.527	0.502	0.499	0.527	0.564	19.99
34) I	1,4-Difluorobenzene	-----ISTD-----							
35) S	Dibromofluorom...	0.297	0.512	0.293	0.293	0.289	0.300	0.331	26.89
36) T	1,1-Dichloropr...	0.486	0.397	0.453	0.429	0.413	0.451	0.438	7.30
37) T	Ethyl Acetate	0.217	0.190	0.209	0.215	0.207	0.226	0.211	5.71
38) T	Carbon Tetrach...	0.448	0.378	0.432	0.409	0.398	0.437	0.417	6.45
39) T	Methylcyclohexane	0.642	0.535	0.606	0.573	0.541	0.603	0.583	7.10
40) TM	Benzene	1.502	1.263	1.439	1.390	1.333	1.439	1.394	6.15
41) T	Methacrylonitrile	0.111	0.113	0.136	0.127	0.128	0.135	0.125	8.36
42) TM	1,2-Dichloroet...	0.359	0.314	0.349	0.333	0.323	0.348	0.338	5.12
43) T	Isopropyl Acetate	0.462	0.387	0.437	0.422	0.415	0.448	0.429	6.21
44) TM	Trichloroethene	0.372	0.301	0.350	0.333	0.324	0.351	0.338	7.33
45) C	1,2-Dichloropr...	0.373	0.315	0.355	0.342	0.332	0.358	0.346	5.92#
46) T	Dibromomethane	0.192	0.169	0.188	0.186	0.182	0.196	0.185	5.18
47) T	Bromodichlorom...	0.458	0.403	0.474	0.449	0.445	0.481	0.452	6.09
48) T	Methyl methacr...	0.229	0.192	0.216	0.212	0.206	0.220	0.213	5.94
49) T	1,4-Dioxane	0.002	0.002	0.002	0.002	0.002	0.002	0.002	3.34
50) S	Toluene-d8	1.231	1.901	1.192	1.172	1.143	1.198	1.306	22.44
51) T	4-Methyl-2-Pen...	0.229	0.193	0.216	0.212	0.209	0.223	0.214	5.77
52) CM	Toluene	0.944	0.781	0.887	0.862	0.834	0.910	0.870	6.64#
53) T	t-1,3-Dichloro...	0.477	0.417	0.471	0.460	0.454	0.482	0.460	5.10
54) T	cis-1,3-Dichlo...	0.587	0.492	0.565	0.545	0.536	0.577	0.550	6.21
55) T	1,1,2-Trichlor...	0.264	0.226	0.254	0.246	0.241	0.258	0.248	5.51
56) T	Ethyl methacry...	0.364	0.311	0.350	0.344	0.340	0.368	0.346	5.92

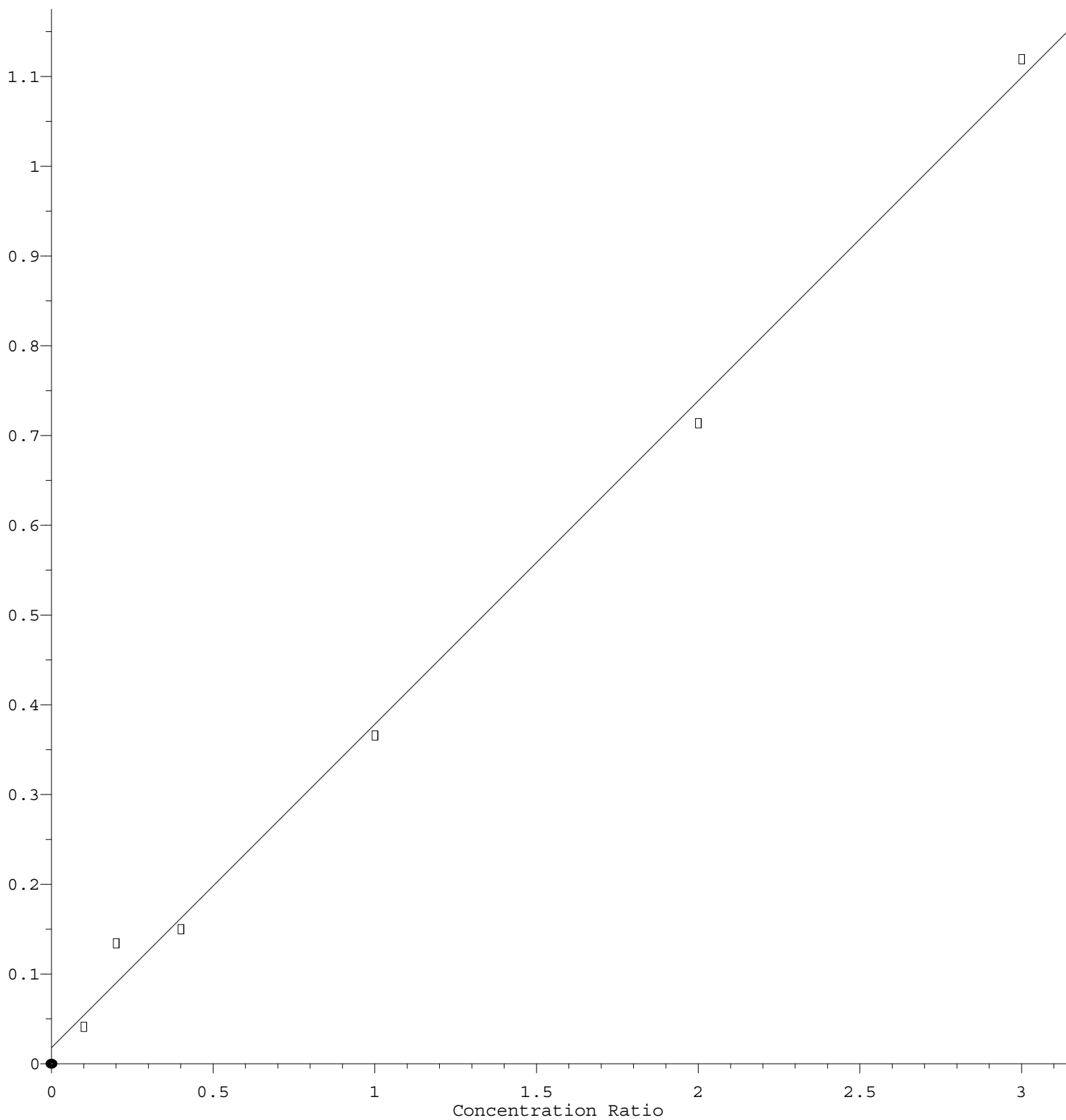
Method Path : Z:\voasrv\HPCHEM1\MSVOA_D\Method\
 Method File : 82D082725S.M

57)	T	1,3-Dichloropr...	0.463	0.396	0.449	0.429	0.424	0.455	0.436	5.65
58)	T	2-Chloroethyl ...	0.135	0.114	0.134	0.137	0.140	0.144	0.134	7.82
59)	T	2-Hexanone	0.164	0.141	0.149	0.152	0.149	0.157	0.152	5.09
60)	T	Dibromochlorom...	0.330	0.284	0.318	0.309	0.305	0.332	0.313	5.66
61)	T	1,2-Dibromoethane	0.240	0.217	0.241	0.238	0.232	0.250	0.236	4.75
62)	S	4-Bromofluorob...	0.411	0.671	0.375	0.366	0.357	0.373	0.425	28.58
63)	I	Chlorobenzene-d5	-----ISTD-----							
64)	T	Tetrachloroethene	0.341	0.267	0.323	0.304	0.292	0.326	0.309	8.57
65)	PM	Chlorobenzene	1.154	0.928	1.100	1.072	1.020	1.118	1.065	7.62
66)	T	1,1,1,2-Tetrac...	0.367	0.288	0.350	0.339	0.330	0.366	0.340	8.63
67)	C	Ethyl Benzene	1.986	1.619	1.905	1.843	1.773	1.939	1.844	7.21#
68)	T	m/p-Xylenes	0.759	0.623	0.737	0.714	0.680	0.747	0.710	7.19
69)	T	o-Xylene	0.721	0.593	0.698	0.680	0.656	0.717	0.678	7.04
70)	T	Styrene	1.222	0.994	1.196	1.165	1.121	1.219	1.153	7.51
71)	P	Bromoform	0.202	0.166	0.202	0.191	0.189	0.209	0.193	8.01
72)	I	1,4-Dichlorobenzen...	-----ISTD-----							
73)	T	Isopropylbenzene	4.010	3.150	3.778	3.687	3.487	3.869	3.663	8.38
74)	T	N-amyl acetate	1.057	0.843	0.968	0.980	0.938	1.047	0.972	8.06
75)	P	1,1,2,2-Tetrac...	0.709	0.600	0.707	0.679	0.664	0.728	0.681	6.73
76)	T	1,2,3-Trichlor...	0.342	0.449	0.422	0.406	0.393	0.437	0.408	9.42
77)	T	Bromobenzene	0.913	0.724	0.871	0.856	0.816	0.906	0.848	8.29
78)	T	n-propylbenzene	4.941	3.868	4.553	4.474	4.202	4.652	4.448	8.37
79)	T	2-Chlorotoluene	2.778	2.175	2.626	2.535	2.416	2.678	2.535	8.49
80)	T	1,3,5-Trimethy...	3.297	2.567	3.070	2.976	2.808	3.142	2.977	8.69
81)	T	trans-1,4-Dich...	0.300	0.233	0.260	0.266	0.264	0.290	0.269	8.84
82)	T	4-Chlorotoluene	2.862	2.259	2.699	2.611	2.475	2.738	2.607	8.22
83)	T	tert-Butylbenzene	2.801	2.225	2.657	2.578	2.467	2.768	2.583	8.28
84)	T	1,2,4-Trimethy...	3.266	2.568	3.062	2.993	2.864	3.231	2.997	8.61
85)	T	sec-Butylbenzene	4.263	3.342	3.994	3.831	3.613	4.086	3.855	8.69
86)	T	p-Isopropyltol...	3.556	2.757	3.321	3.206	3.052	3.454	3.224	8.99
87)	T	1,3-Dichlorobe...	1.719	1.411	1.683	1.651	1.566	1.775	1.634	7.93
88)	T	1,4-Dichlorobe...	1.811	1.424	1.678	1.631	1.562	1.741	1.641	8.33
89)	T	n-Butylbenzene	3.346	2.666	3.133	3.087	2.896	3.301	3.072	8.32
90)	T	Hexachloroethane	0.681	0.547	0.638	0.605	0.595	0.676	0.624	8.27
91)	T	1,2-Dichlorobe...	1.590	1.272	1.473	1.453	1.395	1.544	1.454	7.76
92)	T	1,2-Dibromo-3-...	0.115	0.089	0.103	0.097	0.099	0.110	0.102	8.95
93)	T	1,2,4-Trichlor...	0.990	0.774	0.915	0.900	0.876	1.011	0.911	9.37
94)	T	Hexachlorobuta...	0.458	0.357	0.417	0.400	0.392	0.460	0.414	9.70
95)	T	Naphthalene	2.089	1.661	1.944	1.908	1.893	2.134	1.938	8.66
96)	T	1,2,3-Trichlor...	0.832	0.646	0.785	0.775	0.760	0.881	0.780	10.14

(#) = Out of Range

4-Bromofluorobenzene

Response Ratio



$$\text{Response} = 3.602\text{e-}001 * \text{Amt} + 1.845\text{e-}002$$

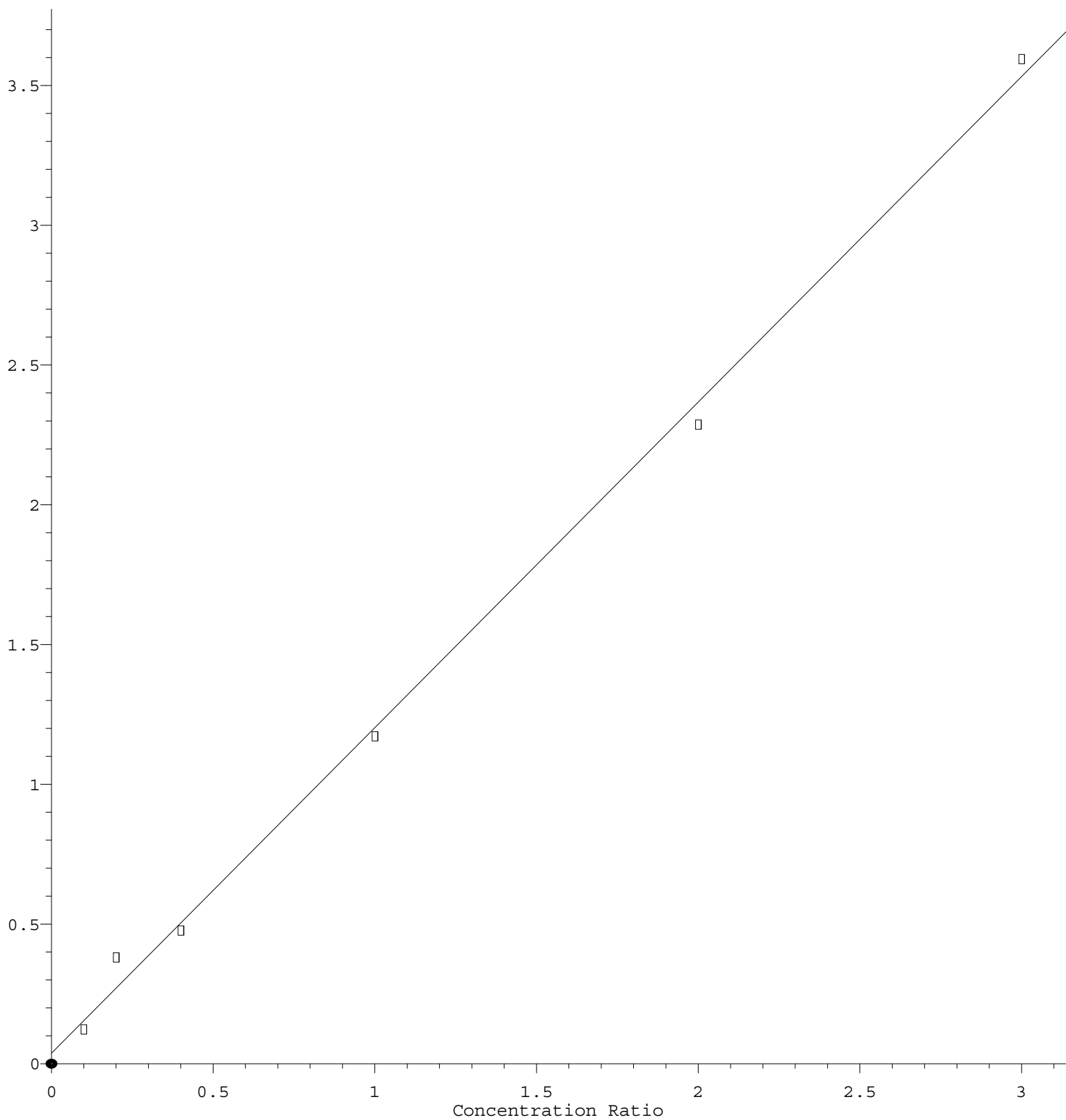
Coef of Det (r^2) = 0.996070 Curve Fit: Linear

Method Name: Z:\voasrv\HPCHEM1\MSVOA D\Method\82D082725S.M

Calibration Table Last Updated: Thu Aug 28 03:02:37 2025

Toluene-d8

Response Ratio



$$\text{Response} = 1.165\text{e}+000 * \text{Amt} + 3.808\text{e}-002$$

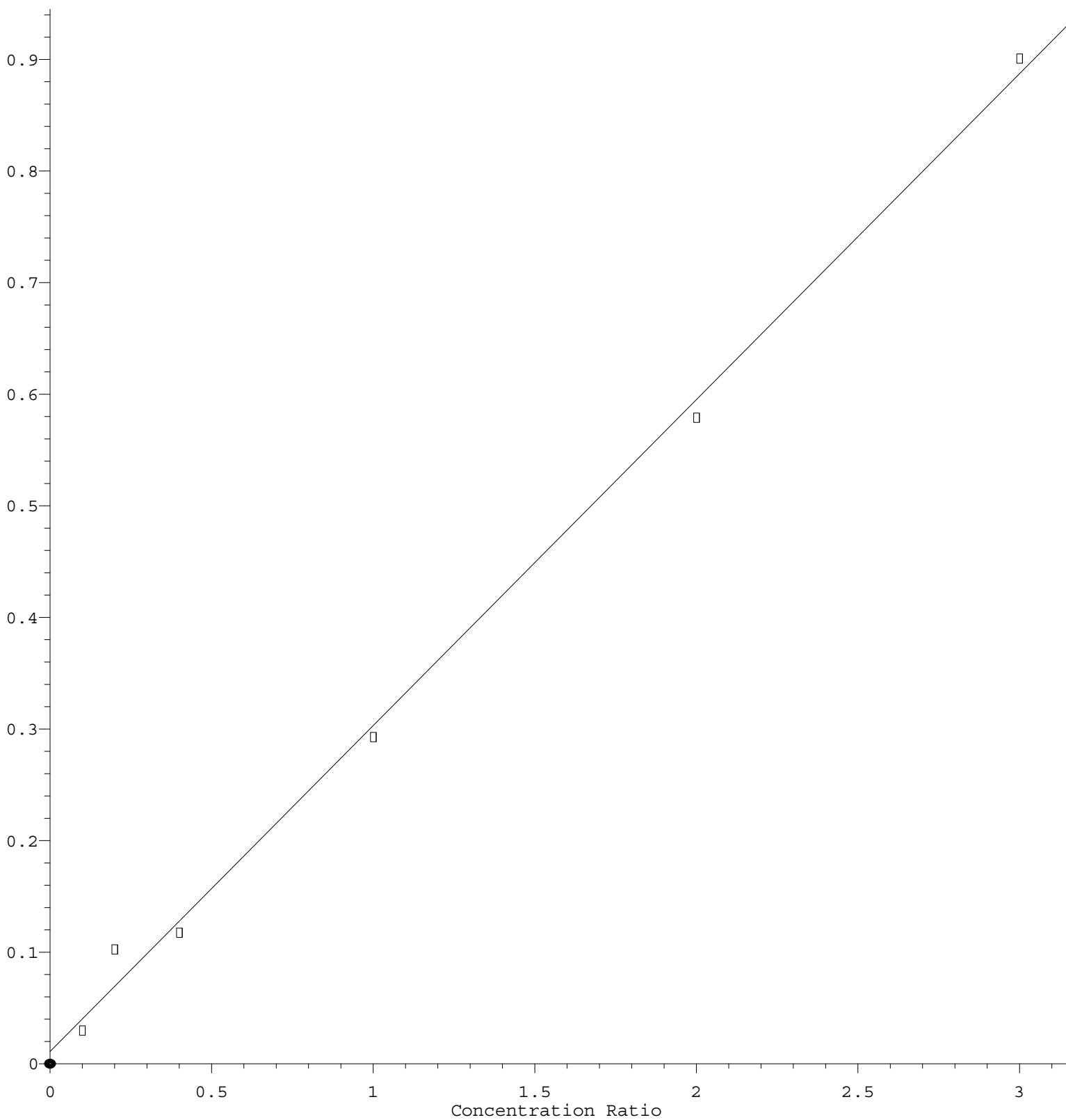
Coef of Det (r^2) = 0.997261 Curve Fit: Linear

Method Name: Z:\voasrv\HPCHEM1\MSVOA D\Method\82D082725S.M

Calibration Table Last Updated: Thu Aug 28 03:02:37 2025

Dibromofluoromethane

Response Ratio



$$\text{Response} = 2.921\text{e-}001 * \text{Amt} + 1.081\text{e-}002$$

Coef of Det (r^2) = 0.996759 Curve Fit: Linear

Method Name: Z:\voasrv\HPCHEM1\MSVOA D\Method\82D082725S.M

Calibration Table Last Updated: Thu Aug 28 03:02:37 2025