

Method Path : Z:\voasrv\HPCHEM1\MSVOA_N\methods\
 Method File : 82N042524W.M
 Title : SW846 8260
 Last Update : Fri Apr 26 05:26:49 2024
 Response Via : Initial Calibration

Calibration Files

1 =VN081846.D 5 =VN081845.D 10 =VN081844.D 20 =VN081843.D 50 =VN081842.D 100 =VN081841.D

	Compound	1	5	10	20	50	100	Avg	%RSD
1) I	Pentafluorobenzene	-----ISTD-----							
2) T	Dichlorodifluo...	0.798	0.668	0.683	0.651	0.719	0.692	0.702	7.42
3) P	Chloromethane	0.892	0.710	0.714	0.698	0.723	0.656	0.732	11.13
4) C	Vinyl Chloride	0.615	0.684	0.679	0.669	0.679	0.650	0.663	3.96#
5) T	Bromomethane		0.439	0.364	0.338	0.306	0.262	0.342	19.43
6) T	Chloroethane	0.405	0.340	0.326	0.317	0.316	0.306	0.335	10.81
7) T	Trichlorofluor...	1.062	0.979	1.015	1.049	1.037	1.010	1.025	2.92
8) T	Diethyl Ether	0.388	0.461	0.445	0.450	0.445	0.424	0.436	6.02
9) T	1,1,2-Trichlor...	0.565	0.599	0.606	0.597	0.609	0.595	0.595	2.64
10) T	Methyl Iodide		0.455	0.464	0.520	0.568	0.601	0.521	12.22
11) T	Tert butyl alc...		0.151	0.164	0.156	0.151	0.144	0.153	4.77
12) CM	1,1-Dichloroet...	0.534	0.601	0.640	0.661	0.610	0.588	0.606	7.29#
13) T	Acrolein		0.166	0.128	0.117	0.124	0.117	0.130	15.63
14) T	Allyl chloride	1.565	1.214	1.266	1.264	1.201	1.176	1.281	11.23
15) T	Acrylonitrile	0.409	0.377	0.355	0.371	0.352	0.347	0.368	6.22
16) T	Acetone	0.391	0.256	0.279	0.262	0.257	0.245	0.282	19.41
17) T	Carbon Disulfide	2.121	1.869	1.738	1.838	1.695	1.660	1.820	9.24
18) T	Methyl Acetate	0.856	0.846	0.927	0.848	0.835	0.816	0.855	4.45
19) T	Methyl tert-bu...	2.251	2.241	2.323	2.357	2.303	2.235	2.285	2.18
20) T	Methylene Chlo...	0.841	0.732	0.722	0.720	0.667	0.658	0.723	9.05
21) T	trans-1,2-Dich...	0.749	0.705	0.642	0.649	0.624	0.593	0.660	8.66
22) T	Diisopropyl ether	2.506	2.473	2.524	2.571	2.448	2.351	2.479	3.05
23) T	Vinyl Acetate	2.016	1.996	2.074	2.066	2.008	1.925	2.014	2.69
24) P	1,1-Dichloroet...	1.241	1.263	1.320	1.341	1.309	1.266	1.290	3.01
25) T	2-Butanone	0.529	0.472	0.481	0.478	0.463	0.451	0.479	5.60
26) T	2,2-Dichloropr...	1.189	1.176	1.186	1.211	1.175	1.184	1.187	1.09
27) T	cis-1,2-Dichlo...	0.790	0.773	0.775	0.788	0.771	0.733	0.772	2.68
28) T	Bromochloromet...	0.635	0.680	0.595	0.598	0.584	0.587	0.613	6.11
29) T	Tetrahydrofuran	0.413	0.323	0.350	0.346	0.321	0.308	0.343	10.95
30) C	Chloroform	1.375	1.268	1.254	1.269	1.265	1.242	1.279	3.78#
31) T	Cyclohexane		1.512	1.314	1.222	1.170	1.138	1.271	11.80
32) T	1,1,1-Trichlor...	1.147	1.170	1.143	1.160	1.123	1.100	1.140	2.23
33) S	1,2-Dichloroet...		0.929	0.696	0.862	0.868	0.865	0.844	10.32
34) I	1,4-Difluorobenzene	-----ISTD-----							
35) S	Dibromofluorom...		0.350	0.233	0.303	0.308	0.312	0.301	14.12
36) T	1,1-Dichloropr...	0.503	0.504	0.468	0.506	0.486	0.472	0.490	3.46
37) T	Ethyl Acetate	0.463	0.576	0.514	0.564	0.541	0.520	0.530	7.66
38) T	Carbon Tetrach...	0.442	0.488	0.466	0.503	0.491	0.482	0.479	4.50
39) T	Methylcyclohexane	0.614	0.602	0.572	0.613	0.587	0.581	0.595	2.92
40) TM	Benzene	1.382	1.482	1.502	1.577	1.453	1.426	1.470	4.57
41) T	Methacrylonitrile	0.401	0.337	0.351	0.327	0.318	0.293	0.338	10.79
42) TM	1,2-Dichloroet...	0.571	0.559	0.528	0.552	0.536	0.530	0.546	3.24
43) T	Isopropyl Acetate	1.086	0.999	0.979	1.004	0.966	0.941	0.996	5.01
44) TM	Trichloroethene	0.336	0.353	0.336	0.352	0.331	0.327	0.339	3.26
45) C	1,2-Dichloropr...	0.411	0.383	0.374	0.394	0.379	0.367	0.385	4.11#
46) T	Dibromomethane	0.335	0.266	0.250	0.260	0.246	0.239	0.266	13.20
47) T	Bromodichlorom...	0.594	0.588	0.544	0.556	0.545	0.537	0.561	4.38
48) T	Methyl methacr...	0.510	0.473	0.479	0.478	0.457	0.456	0.475	4.10
49) T	1,4-Dioxane	0.007	0.007	0.007	0.007	0.007	0.007	0.007	2.81
50) S	Toluene-d8		1.273	0.938	1.227	1.223	1.251	1.182	11.69
51) T	4-Methyl-2-Pen...	0.585	0.580	0.566	0.568	0.541	0.523	0.561	4.30
52) CM	Toluene	0.866	0.907	0.867	0.918	0.874	0.850	0.880	2.98#
53) T	t-1,3-Dichloro...	0.565	0.627	0.608	0.636	0.623	0.603	0.610	4.15
54) T	cis-1,3-Dichlo...	0.569	0.639	0.638	0.662	0.636	0.630	0.629	5.02
55) T	1,1,2-Trichlor...	0.407	0.351	0.341	0.338	0.325	0.316	0.346	9.33
56) T	Ethyl methacry...	0.696	0.645	0.655	0.676	0.662	0.621	0.659	3.88

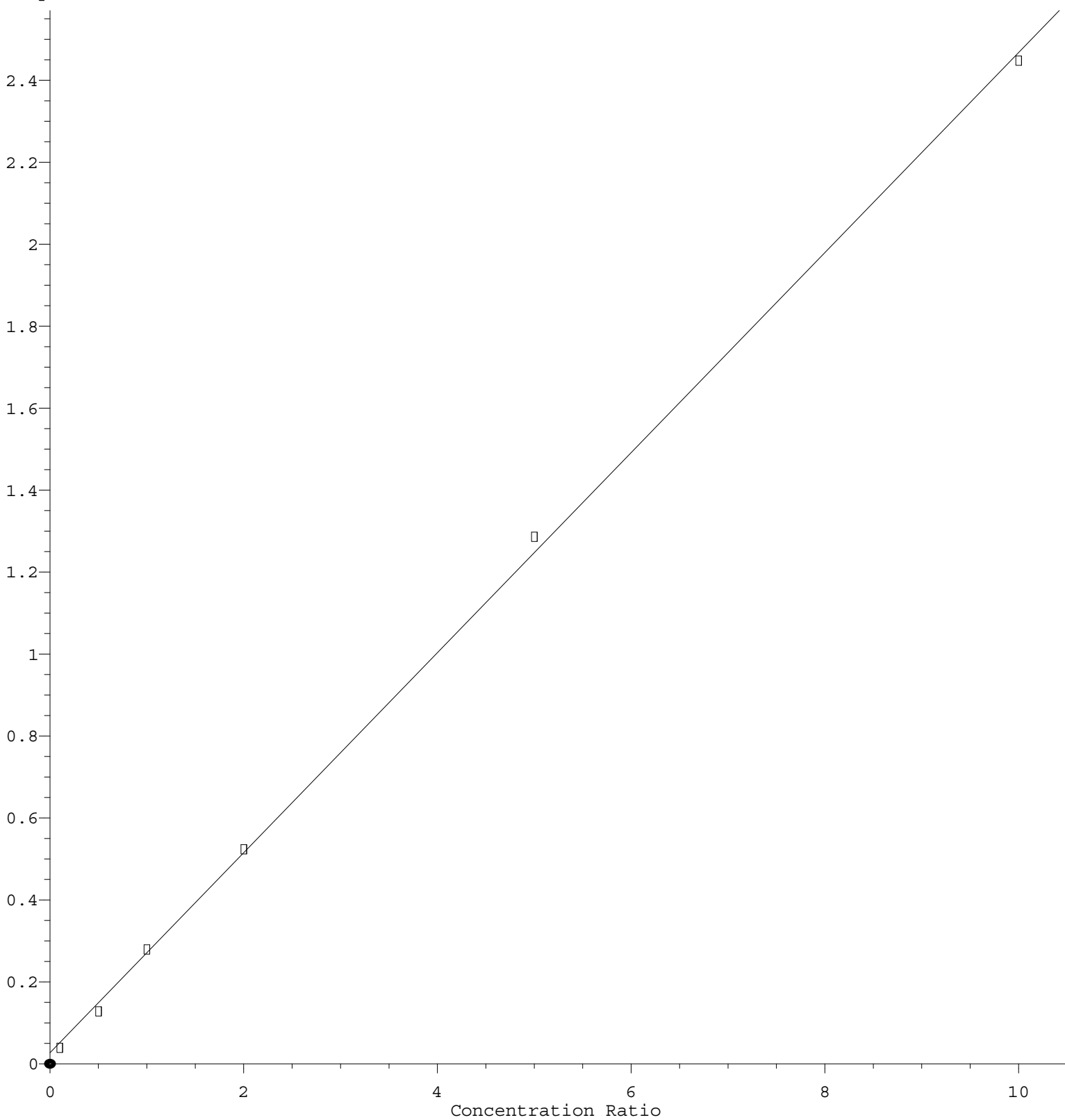
Method Path : Z:\voasrv\HPCHEM1\MSVOA_N\methods\
 Method File : 82N042524W.M

57)	T	1,3-Dichloropr...	0.606	0.646	0.598	0.649	0.606	0.589	0.616	4.11
58)	T	2-Chloroethyl ...	0.306	0.324	0.327	0.309	0.310	0.227	0.300	12.31
59)	T	2-Hexanone	0.397	0.431	0.429	0.432	0.413	0.400	0.417	3.82
60)	T	Dibromochlorom...	0.331	0.368	0.375	0.386	0.373	0.368	0.367	5.17
61)	T	1,2-Dibromoethane	0.317	0.331	0.332	0.349	0.336	0.322	0.331	3.37
62)	S	4-Bromofluorob...		0.517	0.357	0.475	0.494	0.494	0.467	13.62
63)	I	Chlorobenzene-d5	-----ISTD-----							
64)	T	Tetrachloroethene	0.333	0.392	0.369	0.377	0.360	0.347	0.363	5.88
65)	PM	Chlorobenzene	1.142	1.112	1.072	1.099	1.090	1.036	1.092	3.28
66)	T	1,1,1,2-Tetrac...	0.309	0.372	0.369	0.386	0.351	0.344	0.355	7.63
67)	C	Ethyl Benzene	2.024	2.101	2.049	2.071	2.001	1.938	2.031	2.82#
68)	T	m/p-Xylenes	0.712	0.723	0.708	0.778	0.729	0.695	0.724	4.01
69)	T	o-Xylene	0.651	0.755	0.708	0.762	0.696	0.671	0.707	6.30
70)	T	Styrene	1.224	1.212	1.208	1.303	1.215	1.177	1.223	3.45
71)	P	Bromoform	0.310	0.285	0.265	0.290	0.265	0.259	0.279	6.96
72)	I	1,4-Dichlorobenzen...	-----ISTD-----							
73)	T	Isopropylbenzene	4.291	4.504	4.502	4.632	4.470	4.274	4.445	3.11
74)	T	N-amyl acetate	2.572	2.646	2.484	2.518	2.352	2.278	2.475	5.56
75)	P	1,1,2,2-Tetrac...	1.579	1.398	1.313	1.323	1.224	1.173	1.335	10.76
76)	T	1,2,3-Trichlor...	1.524	1.303	1.270	1.287	1.240	1.155	1.296	9.48
77)	T	Bromobenzene	0.963	0.968	0.928	0.937	0.918	0.867	0.930	3.92
78)	T	n-propylbenzene	5.211	5.504	5.464	5.594	5.408	5.218	5.400	2.88
79)	T	2-Chlorotoluene	3.698	3.436	3.403	3.437	3.388	3.251	3.436	4.24
80)	T	1,3,5-Trimethy...	3.747	3.768	3.818	3.866	3.732	3.640	3.762	2.06
81)	T	trans-1,4-Dich...		0.682	0.647	0.618	0.653	0.564	0.633	7.05
82)	T	4-Chlorotoluene	3.137	3.297	3.439	3.464	3.418	3.257	3.335	3.82
83)	T	tert-Butylbenzene	3.023	3.198	3.331	3.223	3.042	2.979	3.133	4.42
84)	T	1,2,4-Trimethy...	3.669	3.775	3.795	3.891	3.789	3.621	3.757	2.59
85)	T	sec-Butylbenzene	4.324	4.343	4.455	4.563	4.456	4.336	4.413	2.14
86)	T	p-Isopropyltol...	3.372	3.501	3.629	3.764	3.557	3.436	3.543	3.97
87)	T	1,3-Dichlorobe...	1.839	1.793	1.679	1.780	1.712	1.611	1.736	4.84
88)	T	1,4-Dichlorobe...	1.552	1.774	1.762	1.809	1.711	1.648	1.709	5.56
89)	T	n-Butylbenzene	3.009	3.246	3.274	3.359	3.485	3.414	3.298	5.06
90)	T	Hexachloroethane	0.596	0.727	0.706	0.737	0.711	0.704	0.697	7.32
91)	T	1,2-Dichlorobe...	1.640	1.707	1.710	1.680	1.663	1.583	1.664	2.85
92)	T	1,2-Dibromo-3-...	0.362	0.312	0.322	0.325	0.316	0.314	0.325	5.75
93)	T	1,2,4-Trichlor...	0.894	0.910	0.940	0.968	0.947	0.927	0.931	2.84
94)	T	Hexachlorobuta...	0.250	0.356	0.360	0.359	0.378	0.355	0.343	13.47
95)	T	Naphthalene	3.263	3.468	3.581	3.667	3.601	3.526	3.518	4.03
96)	T	1,2,3-Trichlor...	0.805	0.889	0.883	0.947	0.948	0.891	0.894	5.89

(#) = Out of Range

Acetone

Response Ratio



$$\text{Response} = 2.441\text{e-}001 * \text{Amt} + 2.729\text{e-}002$$

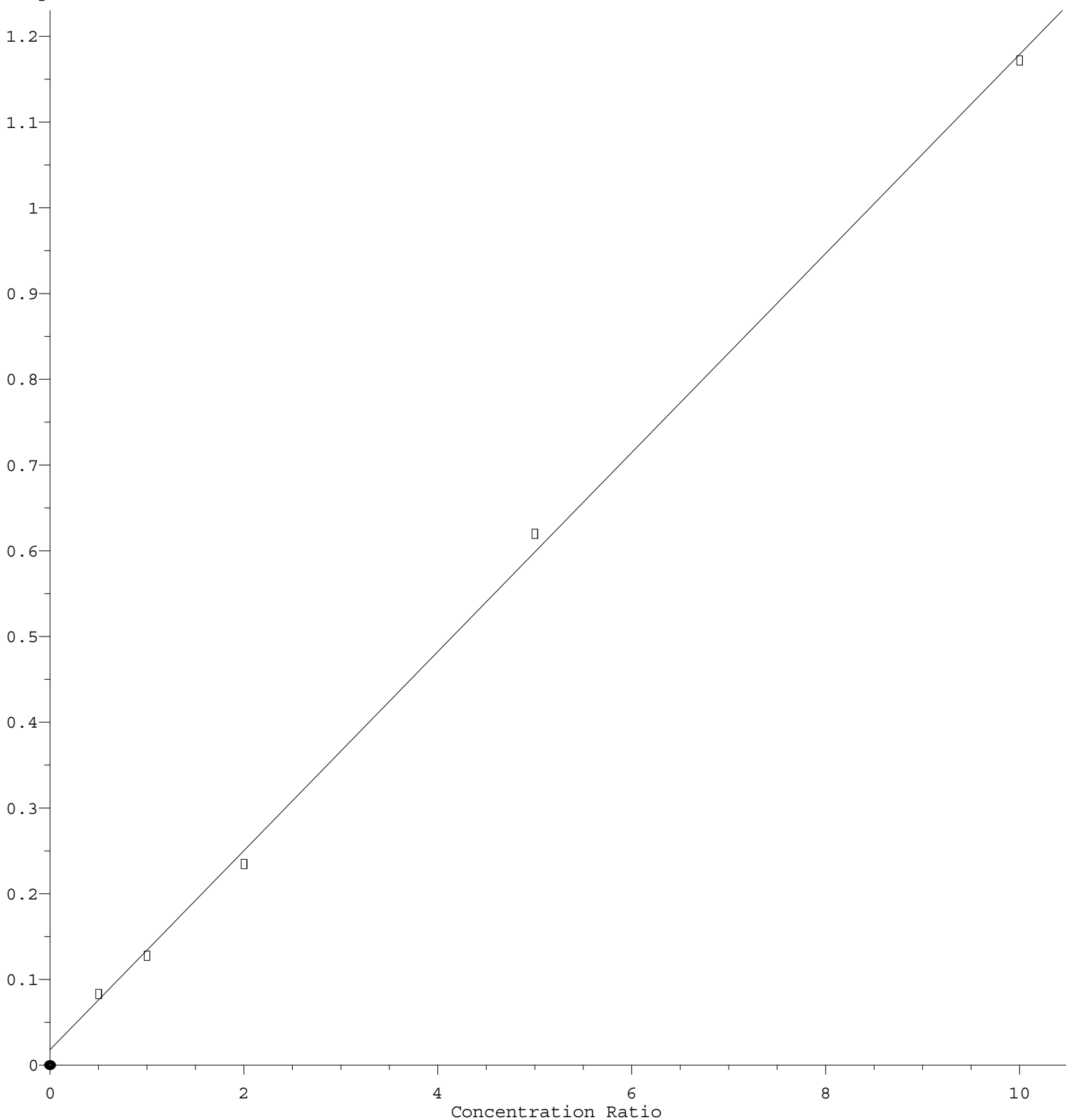
Coef of Det (r^2) = 0.999397 Curve Fit: Linear

Method Name: Z:\voasrv\HPCHEM1\MSVOA N\methods\82N042524W.M

Calibration Table Last Updated: Fri Apr 26 05:26:49 2024

Acrolein

Response Ratio



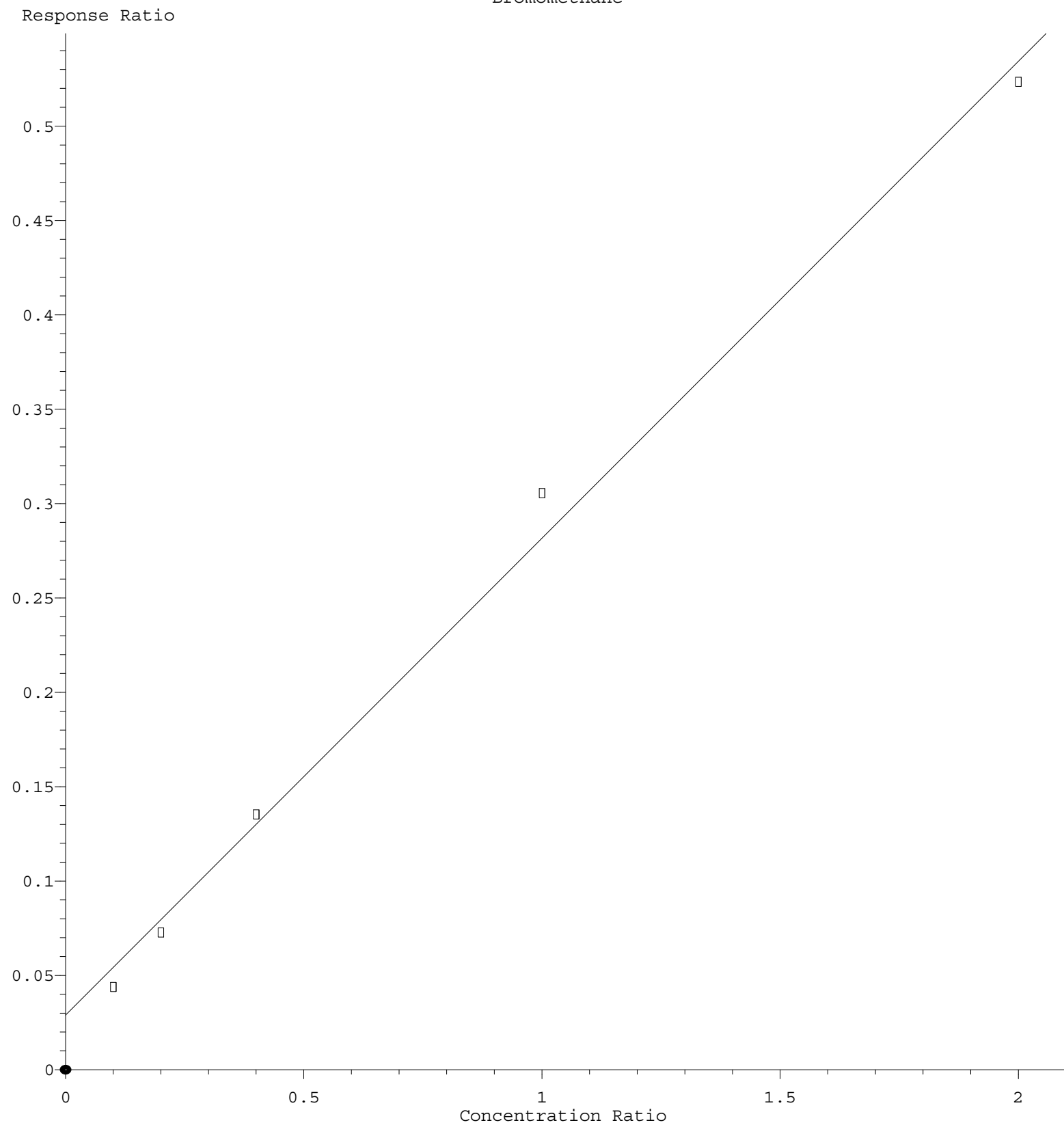
$$\text{Response} = 1.162\text{e-}001 * \text{Amt} + 1.752\text{e-}002$$

Coef of Det (r^2) = 0.999002 Curve Fit: Linear

Method Name: Z:\voasrv\HPCHEM1\MSVOA N\methods\82N042524W.M

Calibration Table Last Updated: Fri Apr 26 05:26:49 2024

Bromomethane



Response = $2.531e-001 * Amt + 2.890e-002$
 Coef of Det (r^2) = 0.994550 Curve Fit: Linear
 Method Name: Z:\voasrv\HPCHEM1\MSVOA N\methods\82N042524W.M
 Calibration Table Last Updated: Fri Apr 26 05:26:49 2024