

Method Path : Z:\voasrv\HPCHEM1\MSVOA_X\Method\
 Method File : 82X011024W.M
 Title : SW846 8260
 Last Update : Thu Jan 11 03:51:26 2024
 Response Via : Initial Calibration

Calibration Files

1 =VX039694.D 5 =VX039695.D 20 =VX039696.D 50 =VX039697.D 100 =VX039698.D 150 =VX039699.D

	Compound	1	5	20	50	100	150	Avg	%RSD
1) I	Pentafluorobenzene	-----ISTD-----							
2) T	Dichlorodifluo...	0.580	0.630	0.667	0.661	0.661	0.682	0.647	5.72
3) P	Chloromethane	0.803	0.771	0.721	0.719	0.695	0.723	0.739	5.41
4) C	Vinyl Chloride	0.713	0.732	0.689	0.682	0.670	0.698	0.697	3.17#
5) T	Bromomethane		0.450	0.445	0.388	0.344	0.363	0.398	12.01
6) T	Chloroethane	0.353	0.460	0.396	0.410	0.376	0.383	0.396	9.20
7) T	Trichlorofluor...	1.007	1.069	0.977	0.972	0.986	1.024	1.006	3.62
8) T	Diethyl Ether	0.388	0.398	0.362	0.358	0.357	0.367	0.372	4.64
9) T	1,1,2-Trichlor...	0.601	0.699	0.617	0.608	0.601	0.616	0.624	6.01
10) T	Methyl Iodide		0.532	0.623	0.692	0.711	0.731	0.658	12.32
11) T	Tert butyl alc...		0.251	0.210	0.215	0.212	0.202	0.218	8.77
12) CM	1,1-Dichloroet...	0.607	0.613	0.602	0.594	0.590	0.604	0.602	1.43#
13) T	Acrolein		0.208	0.132	0.134	0.137	0.126	0.147	23.03
14) T	Allyl chloride	1.175	1.227	1.143	1.175	1.182	1.205	1.184	2.41
15) T	Acrylonitrile	0.434	0.499	0.449	0.450	0.442	0.428	0.450	5.65
16) T	Acetone	0.467	0.540	0.471	0.472	0.443	0.433	0.471	7.94
17) T	Carbon Disulfide	1.864	1.721	1.653	1.674	1.695	1.771	1.730	4.48
18) T	Methyl Acetate	0.971	1.056	0.990	0.975	0.963	0.958	0.985	3.66
19) T	Methyl tert-bu...	2.182	2.276	2.073	2.083	2.070	2.135	2.136	3.79
20) T	Methylene Chlo...	0.778	0.766	0.690	0.680	0.672	0.688	0.713	6.60
21) T	trans-1,2-Dich...	0.641	0.670	0.624	0.616	0.615	0.635	0.633	3.28
22) T	Diisopropyl ether	2.249	2.458	2.256	2.196	2.177	2.226	2.260	4.49
23) T	Vinyl Acetate	1.856	2.206	2.126	2.134	2.131	2.155	2.101	5.89
24) P	1,1-Dichloroet...	1.204	1.334	1.217	1.233	1.225	1.248	1.243	3.76
25) T	2-Butanone	0.636	0.765	0.675	0.678	0.660	0.647	0.677	6.80
26) T	2,2-Dichloropr...	0.932	1.052	0.967	0.983	1.011	1.043	0.998	4.61
27) T	cis-1,2-Dichlo...	0.696	0.763	0.720	0.725	0.719	0.735	0.726	3.03
28) T	Bromochloromet...	0.520	0.645	0.537	0.561	0.550	0.569	0.564	7.68
29) T	Tetrahydrofuran	0.430	0.478	0.434	0.434	0.422	0.416	0.436	4.99
30) C	Chloroform	1.190	1.299	1.203	1.198	1.214	1.261	1.228	3.51#
31) T	Cyclohexane		1.149	1.103	1.087	1.081	1.107	1.105	2.42
32) T	1,1,1-Trichlor...	1.005	1.051	1.029	1.051	1.061	1.109	1.051	3.31
33) S	1,2-Dichloroet...		0.976	0.806	0.793	0.792	0.821	0.838	9.37
34) I	1,4-Difluorobenzene	-----ISTD-----							
35) S	Dibromofluorom...		0.378	0.324	0.326	0.326	0.330	0.337	6.85
36) T	1,1-Dichloropr...	0.552	0.564	0.509	0.504	0.502	0.515	0.524	5.04
37) T	Ethyl Acetate	0.741	0.728	0.692	0.671	0.687	0.676	0.699	4.09
38) T	Carbon Tetrach...	0.449	0.474	0.459	0.486	0.501	0.512	0.480	5.03
39) T	Methylcyclohexane	0.630	0.654	0.612	0.624	0.622	0.636	0.629	2.29
40) TM	Benzene	1.481	1.568	1.476	1.467	1.447	1.468	1.484	2.87
41) T	Methacrylonitrile	0.291	0.351	0.344	0.364	0.346	0.356	0.342	7.60
42) TM	1,2-Dichloroet...	0.527	0.590	0.558	0.565	0.567	0.580	0.564	3.85
43) T	Isopropyl Acetate	0.879	1.069	1.011	1.055	1.059	1.083	1.026	7.41
44) TM	Trichloroethene	0.354	0.385	0.359	0.364	0.356	0.365	0.364	3.08
45) C	1,2-Dichloropr...	0.383	0.437	0.391	0.389	0.393	0.395	0.398	4.95#
46) T	Dibromomethane	0.256	0.290	0.272	0.275	0.275	0.282	0.275	4.18
47) T	Bromodichlorom...	0.474	0.493	0.496	0.517	0.530	0.546	0.509	5.20
48) T	Methyl methacr...	0.458	0.511	0.504	0.512	0.515	0.526	0.504	4.68
49) T	1,4-Dioxane	0.009	0.010	0.010	0.010	0.010	0.009	0.010	6.46
50) S	Toluene-d8		1.453	1.228	1.226	1.221	1.223	1.270	8.04
51) T	4-Methyl-2-Pen...	0.678	0.756	0.712	0.717	0.696	0.680	0.707	4.09
52) CM	Toluene	0.818	0.949	0.876	0.900	0.885	0.891	0.887	4.76#
53) T	t-1,3-Dichloro...	0.413	0.527	0.521	0.567	0.596	0.619	0.540	13.57
54) T	cis-1,3-Dichlo...	0.525	0.558	0.584	0.618	0.630	0.651	0.594	7.98
55) T	1,1,2-Trichlor...	0.376	0.393	0.379	0.375	0.369	0.374	0.377	2.16
56) T	Ethyl methacry...	0.505	0.608	0.611	0.630	0.648	0.664	0.611	9.20

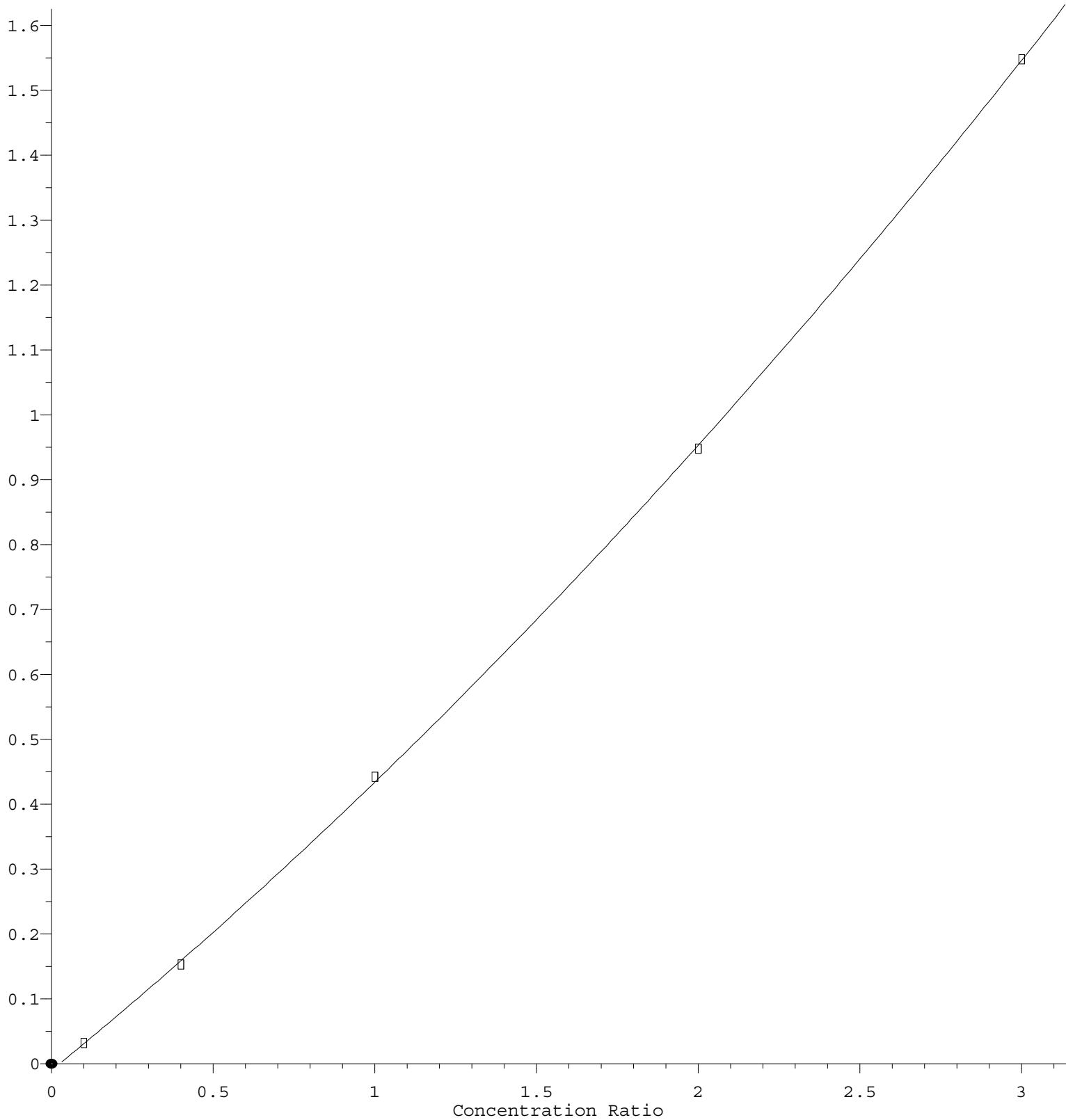
Method Path : Z:\voasrv\HPCHEM1\MSVOA_X\Method\
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57)	T	1,3-Dichloropr...	0.597	0.691	0.640	0.637	0.630	0.643	0.640	4.72
58)	T	2-Chloroethyl ...	0.249	0.298	0.294	0.299	0.297	0.295	0.289	6.69
59)	T	2-Hexanone	0.483	0.590	0.572	0.583	0.573	0.553	0.559	7.07
60)	T	Dibromochlorom...	0.295	0.339	0.346	0.368	0.386	0.402	0.356	10.74
61)	T	1,2-Dibromoethane	0.344	0.411	0.390	0.398	0.397	0.405	0.391	6.19
62)	S	4-Bromofluorob...	0.549	0.453	0.485	0.498	0.498	0.497		6.97
63)	I	Chlorobenzene-d5	-----ISTD-----							
64)	T	Tetrachloroethene	0.382	0.342	0.312	0.307	0.302	0.306	0.325	9.61
65)	PM	Chlorobenzene	1.095	1.071	1.037	1.025	1.011	1.009	1.041	3.31
66)	T	1,1,1,2-Tetrac...	0.304	0.349	0.356	0.369	0.375	0.375	0.355	7.54
67)	C	Ethyl Benzene	1.890	1.997	1.919	1.949	1.927	1.917	1.933	1.90#
68)	T	m/p-Xylenes	0.685	0.746	0.720	0.714	0.706	0.695	0.711	2.97
69)	T	o-Xylene	0.720	0.729	0.689	0.698	0.696	0.693	0.704	2.27
70)	T	Styrene	1.116	1.167	1.117	1.160	1.171	1.170	1.150	2.29
71)	P	Bromoform	0.214	0.235	0.252	0.285	0.301	0.311	0.266	14.45
72)	I	1,4-Dichlorobenzen...	-----ISTD-----							
73)	T	Isopropylbenzene	4.024	4.269	3.969	3.924	3.763	3.935	3.981	4.17
74)	T	N-amyl acetate	1.760	1.981	2.047	2.165	2.189	2.307	2.075	9.25
75)	P	1,1,2,2-Tetrac...	1.546	1.697	1.501	1.492	1.412	1.473	1.520	6.38
76)	T	1,2,3-Trichlor...	1.427	1.353	1.280	1.264	1.216	1.238	1.296	6.13
77)	T	Bromobenzene	0.936	0.938	0.880	0.854	0.834	0.877	0.886	4.79
78)	T	n-propylbenzene	4.744	4.922	4.830	4.837	4.692	4.885	4.818	1.79
79)	T	2-Chlorotoluene	3.266	3.218	2.875	2.839	2.777	2.891	2.978	7.01
80)	T	1,3,5-Trimethy...	3.314	3.577	3.417	3.351	3.238	3.388	3.381	3.39
81)	T	trans-1,4-Dich...	0.321	0.382	0.442	0.474	0.516	0.427		17.94
82)	T	4-Chlorotoluene	3.515	3.607	3.273	3.282	3.233	3.357	3.378	4.45
83)	T	tert-Butylbenzene	3.151	3.358	3.203	3.197	3.136	3.322	3.228	2.83
84)	T	1,2,4-Trimethy...	3.248	3.529	3.348	3.373	3.290	3.450	3.373	3.06
85)	T	sec-Butylbenzene	3.820	4.390	4.289	4.191	4.137	4.313	4.190	4.83
86)	T	p-Isopropyltol...	3.004	3.403	3.434	3.412	3.330	3.510	3.349	5.33
87)	T	1,3-Dichlorobe...	1.732	1.830	1.659	1.646	1.624	1.704	1.699	4.42
88)	T	1,4-Dichlorobe...	1.969	1.903	1.653	1.679	1.624	1.700	1.755	8.23
89)	T	n-Butylbenzene	2.994	3.123	3.164	3.317	3.310	3.499	3.234	5.49
90)	T	Hexachloroethane	0.463	0.498	0.556	0.589	0.619	0.665	0.565	13.38
91)	T	1,2-Dichlorobe...	1.851	1.848	1.639	1.602	1.530	1.609	1.680	8.12
92)	T	1,2-Dibromo-3-...	0.352	0.362	0.361	0.381	0.376	0.403	0.372	4.95
93)	T	1,2,4-Trichlor...	1.084	1.023	0.970	0.998	1.005	1.078	1.026	4.44
94)	T	Hexachlorobuta...	0.418	0.435	0.415	0.426	0.422	0.445	0.427	2.63
95)	T	Naphthalene	3.782	3.744	3.691	3.735	3.744	3.978	3.779	2.69
96)	T	1,2,3-Trichlor...	1.120	1.050	0.982	1.003	0.988	1.074	1.036	5.27

(#) = Out of Range

trans-1,4-Dichloro-2-butene

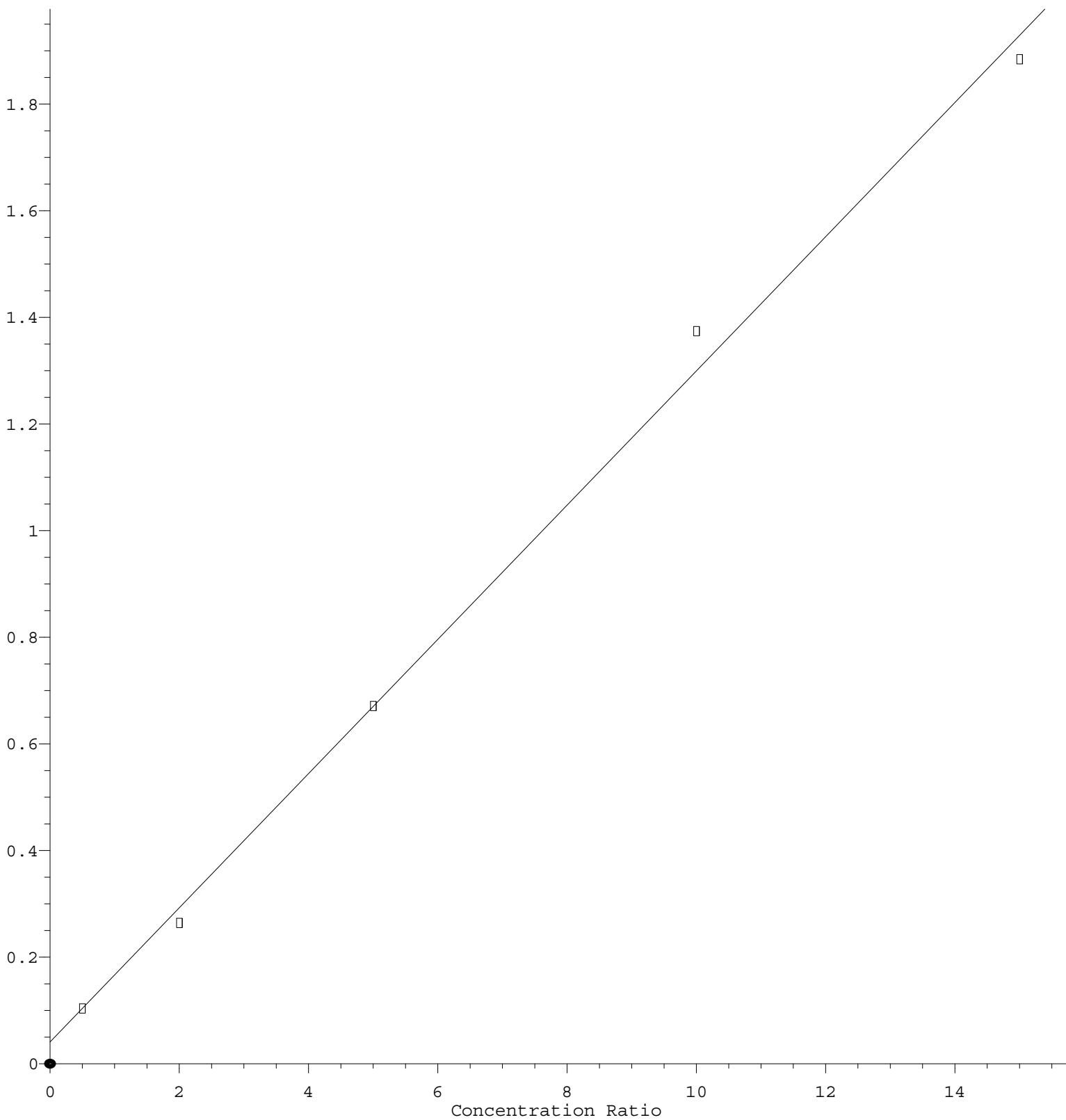
Response Ratio



$R = 3.721e-002 A^2 + 4.072e-001 A - 1.030e-002$
Coef of Det (r^2) = 0.999918 Curve Fit: Quadratic
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Acrolein

Response Ratio



Response = 1.259e-001 * Amt + 4.095e-002
 Coef of Det (r^2) = 0.996327 Curve Fit: Linear
 Method Name: Z:\voasrv\HPCHEM1\MSVOA X\Method\82X011024W.M
 Calibration Table Last Updated: Thu Jan 11 03:51:26 2024