

Method Path : Z:\voasrv\HPCHEM1\MSVOA_X\Method\
 Method File : 82X121124W.M
 Title : SW846 8260
 Last Update : Thu Dec 12 04:28:14 2024
 Response Via : Initial Calibration

Calibration Files

1 =VX044219.D 5 =VX044220.D 20 =VX044221.D 50 =VX044222.D 100 =VX044223.D 150 =VX044224.

D

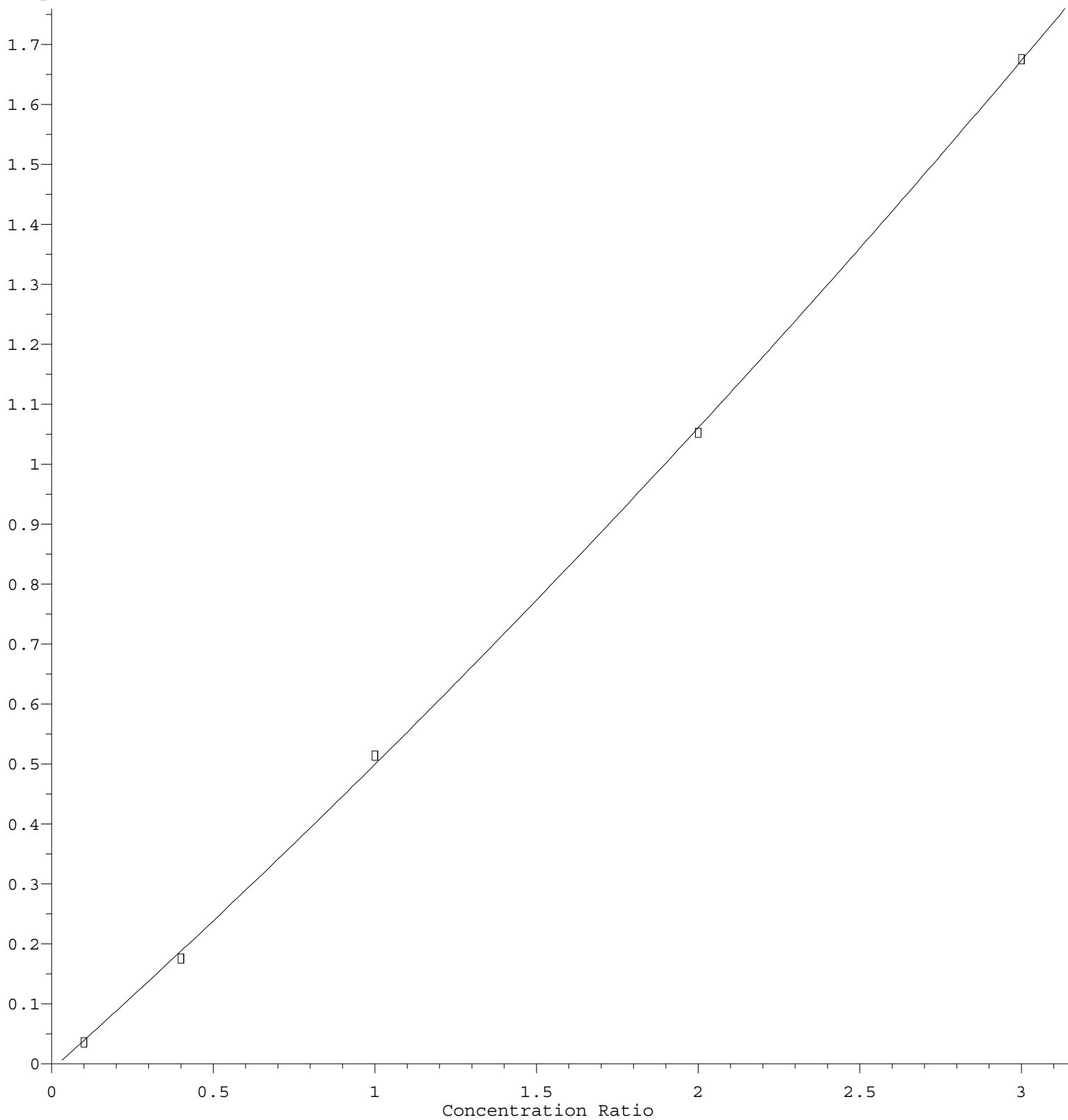
	Compound	1	5	20	50	100	150	Avg	%RSD
1) I	Pentafluorobenzene	-----ISTD-----							
2) T	Dichlorodifluo...	0.877	0.749	0.721	0.788	0.745	0.759	0.773	7.19
3) P	Chloromethane	0.743	0.747	0.735	0.756	0.715	0.740	0.739	1.83
4) C	Vinyl Chloride	0.805	0.790	0.782	0.786	0.722	0.737	0.770	4.31#
5) T	Bromomethane	0.590	0.513	0.551	0.529	0.548	0.546		5.26
6) T	Chloroethane	0.464	0.520	0.515	0.532	0.422	0.426	0.480	10.21
7) T	Trichlorofluor...	1.582	1.519	1.514	1.541	1.478	1.414	1.508	3.80
8) T	Diethyl Ether	0.582	0.516	0.481	0.513	0.477	0.520	0.515	7.30
9) T	1,1,2-Trichlor...	0.633	0.628	0.592	0.615	0.573	0.620	0.610	3.76
10) T	Methyl Iodide	0.793	0.796	0.847	0.782	0.803	0.804		3.13
11) T	Tert butyl alc...	0.103	0.111	0.120	0.133	0.151	0.124		15.38
12) CM	1,1-Dichloroet...	0.512	0.560	0.544	0.596	0.554	0.596	0.560	5.74#
13) T	Acrolein	0.179	0.163	0.185	0.174	0.193	0.179		6.28
14) T	Allyl chloride	0.899	0.895	0.878	1.010	0.940	0.980	0.933	5.63
15) T	Acrylonitrile	0.319	0.333	0.332	0.358	0.343	0.367	0.342	5.25
16) T	Acetone	0.359	0.353	0.331	0.381	0.348	0.372	0.357	4.99
17) T	Carbon Disulfide	0.841	0.872	0.937	1.150	1.230	1.362	1.065	19.98
18) T	Methyl Acetate	0.965	0.889	0.883	0.953	0.888	0.951	0.922	4.17
19) T	Methyl tert-bu...	2.054	2.188	2.127	2.305	2.170	2.279	2.187	4.28
20) T	Methylene Chlo...	0.679	0.678	0.666	0.689	0.648	0.668	0.671	2.12
21) T	trans-1,2-Dich...	0.600	0.556	0.577	0.619	0.595	0.626	0.596	4.37
22) T	Diisopropyl ether	2.040	2.114	2.092	2.172	2.070	2.123	2.102	2.17
23) T	Vinyl Acetate	1.238	1.571	1.732	1.912	1.842	1.958	1.709	15.75
24) P	1,1-Dichloroet...	1.071	1.173	1.154	1.244	1.171	1.218	1.172	5.10
25) T	2-Butanone	0.449	0.491	0.510	0.548	0.509	0.541	0.508	7.08
26) T	2,2-Dichloropr...	0.782	0.896	0.956	1.045	0.992	1.039	0.952	10.50
27) T	cis-1,2-Dichlo...	0.809	0.737	0.728	0.772	0.731	0.762	0.756	4.11
28) T	Bromochloromet...	0.578	0.577	0.576	0.592	0.556	0.568	0.575	2.07
29) T	Tetrahydrofuran	0.293	0.348	0.321	0.337	0.317	0.340	0.326	6.17
30) C	Chloroform	1.389	1.312	1.272	1.343	1.272	1.310	1.316	3.39#
31) T	Cyclohexane	0.931	0.963	0.977	0.922	0.938	0.946		2.44
32) T	1,1,1-Trichlor...	0.993	1.019	1.077	1.176	1.119	1.173	1.093	7.06
33) S	1,2-Dichloroet...	0.934	0.778	0.921	0.862	0.888	0.877		7.09
34) I	1,4-Difluorobenzene	-----ISTD-----							
35) S	Dibromofluorom...	0.353	0.298	0.367	0.360	0.354	0.346		7.95
36) T	1,1-Dichloropr...	0.489	0.442	0.422	0.444	0.445	0.444	0.448	4.92
37) T	Ethyl Acetate	0.536	0.512	0.551	0.581	0.565	0.574	0.553	4.68
38) T	Carbon Tetrach...	0.484	0.443	0.432	0.501	0.502	0.529	0.482	7.77
39) T	Methylcyclohexane	0.514	0.503	0.527	0.555	0.550	0.562	0.535	4.52
40) TM	Benzene	1.353	1.353	1.332	1.410	1.353	1.353	1.359	1.93
41) T	Methacrylonitrile	0.285	0.293	0.281	0.302	0.298	0.305	0.294	3.21
42) TM	1,2-Dichloroet...	0.554	0.557	0.545	0.584	0.556	0.564	0.560	2.37
43) T	Isopropyl Acetate	0.736	0.854	0.835	0.916	0.908	0.941	0.865	8.62
44) TM	Trichloroethene	0.356	0.325	0.324	0.349	0.337	0.342	0.339	3.79
45) C	1,2-Dichloropr...	0.368	0.345	0.330	0.357	0.341	0.342	0.347	3.81#
46) T	Dibromomethane	0.247	0.267	0.259	0.286	0.276	0.281	0.269	5.53
47) T	Bromodichlorom...	0.380	0.411	0.436	0.508	0.518	0.538	0.465	13.95
48) T	Methyl methacr...	0.427	0.370	0.399	0.444	0.431	0.447	0.420	7.03
49) T	1,4-Dioxane	0.005	0.007	0.007	0.008	0.008	0.008	0.007	15.81
50) S	Toluene-d8	1.148	1.010	1.251	1.229	1.203	1.168		8.27
51) T	4-Methyl-2-Pen...	0.506	0.551	0.547	0.590	0.561	0.582	0.556	5.37
52) CM	Toluene	0.908	0.830	0.816	0.877	0.841	0.849	0.853	3.96#
53) T	t-1,3-Dichloro...	0.338	0.357	0.439	0.514	0.526	0.558	0.455	20.32
54) T	cis-1,3-Dichlo...	0.404	0.441	0.488	0.567	0.558	0.583	0.507	14.59
55) T	1,1,2-Trichlor...	0.337	0.332	0.335	0.358	0.334	0.340	0.339	2.79

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56)	T	Ethyl methacry...	0.491	0.458	0.517	0.577	0.575	0.593	0.535	10.23
57)	T	1,3-Dichloropr...	0.578	0.593	0.585	0.613	0.583	0.590	0.590	2.09
58)	T	2-Chloroethyl ...	0.222	0.268	0.256	0.293	0.285	0.296	0.270	10.47
59)	T	2-Hexanone	0.323	0.386	0.408	0.439	0.420	0.438	0.403	10.82
60)	T	Dibromochlorom...	0.254	0.248	0.306	0.370	0.378	0.398	0.326	20.17
61)	T	1,2-Dibromoethane	0.303	0.322	0.344	0.369	0.364	0.370	0.345	8.06
62)	S	4-Bromofluorob...	0.390	0.351	0.442	0.432	0.426	0.408		9.23
-----ISTD-----										
63)	I	Chlorobenzene-d5								
64)	T	Tetrachloroethene	0.359	0.354	0.317	0.321	0.312	0.327	0.332	5.96
65)	PM	Chlorobenzene	1.130	1.068	1.039	1.088	1.036	1.067	1.071	3.27
66)	T	1,1,1,2-Tetrac...	0.301	0.305	0.334	0.375	0.368	0.383	0.344	10.47
67)	C	Ethyl Benzene	1.853	1.806	1.816	1.927	1.831	1.875	1.851	2.42#
68)	T	m/p-Xylenes	0.653	0.660	0.665	0.707	0.683	0.707	0.679	3.50
69)	T	o-Xylene	0.686	0.683	0.685	0.703	0.671	0.697	0.687	1.64
70)	T	Styrene	1.007	1.019	1.099	1.162	1.148	1.177	1.102	6.70
71)	P	Bromoform	0.137	0.173	0.194	0.247	0.269	0.297	0.219	28.02
-----ISTD-----										
72)	I	1,4-Dichlorobenzen...								
73)	T	Isopropylbenzene	3.665	3.976	3.920	3.912	3.747	3.747	3.828	3.25
74)	T	N-amyl acetate	1.435	1.620	1.773	1.916	1.901	1.967	1.769	11.64
75)	P	1,1,2,2-Tetrac...	1.410	1.350	1.332	1.336	1.256	1.293	1.329	3.93
76)	T	1,2,3-Trichlor...	1.272	1.075	1.113	1.124	1.059	1.055	1.116	7.30
77)	T	Bromobenzene	1.009	0.934	0.890	0.942	0.899	0.895	0.928	4.87
78)	T	n-propylbenzene	3.739	4.263	4.319	4.502	4.283	4.277	4.231	6.06
79)	T	2-Chlorotoluene	2.940	2.847	2.707	2.771	2.582	2.569	2.736	5.36
80)	T	1,3,5-Trimethy...	3.066	3.222	3.224	3.308	3.097	3.128	3.174	2.90
81)	T	trans-1,4-Dich...	0.236	0.300	0.369	0.402	0.430	0.347		22.67
82)	T	4-Chlorotoluene	2.964	3.051	3.013	3.114	3.011	3.026	3.030	1.65
83)	T	tert-Butylbenzene	3.170	3.077	3.105	3.259	3.106	3.106	3.137	2.14
84)	T	1,2,4-Trimethy...	2.699	3.254	3.207	3.290	3.148	3.105	3.117	6.92
85)	T	sec-Butylbenzene	3.679	3.748	3.840	3.986	3.804	3.793	3.808	2.70
86)	T	p-Isopropyltol...	2.949	3.061	3.254	3.347	3.197	3.211	3.170	4.49
87)	T	1,3-Dichlorobe...	1.519	1.634	1.640	1.683	1.625	1.628	1.621	3.35
88)	T	1,4-Dichlorobe...	1.811	1.640	1.632	1.672	1.621	1.623	1.667	4.39
89)	T	n-Butylbenzene	2.249	2.387	2.659	2.844	2.889	2.964	2.665	10.90
90)	T	Hexachloroethane	0.358	0.396	0.406	0.507	0.542	0.567	0.463	18.85
91)	T	1,2-Dichlorobe...	1.745	1.666	1.668	1.726	1.654	1.643	1.683	2.46
92)	T	1,2-Dibromo-3-...	0.222	0.226	0.241	0.273	0.279	0.306	0.258	13.01
93)	T	1,2,4-Trichlor...	0.770	0.827	0.891	0.978	1.013	1.058	0.923	12.16
94)	T	Hexachlorobuta...	0.390	0.349	0.367	0.369	0.371	0.381	0.371	3.75
95)	T	Naphthalene	2.925	3.346	3.629	3.835	3.866	4.015	3.603	11.24
96)	T	1,2,3-Trichlor...	0.854	0.885	0.984	1.019	1.055	1.077	0.979	9.30

(#) = Out of Range

t-1,3-Dichloropropene

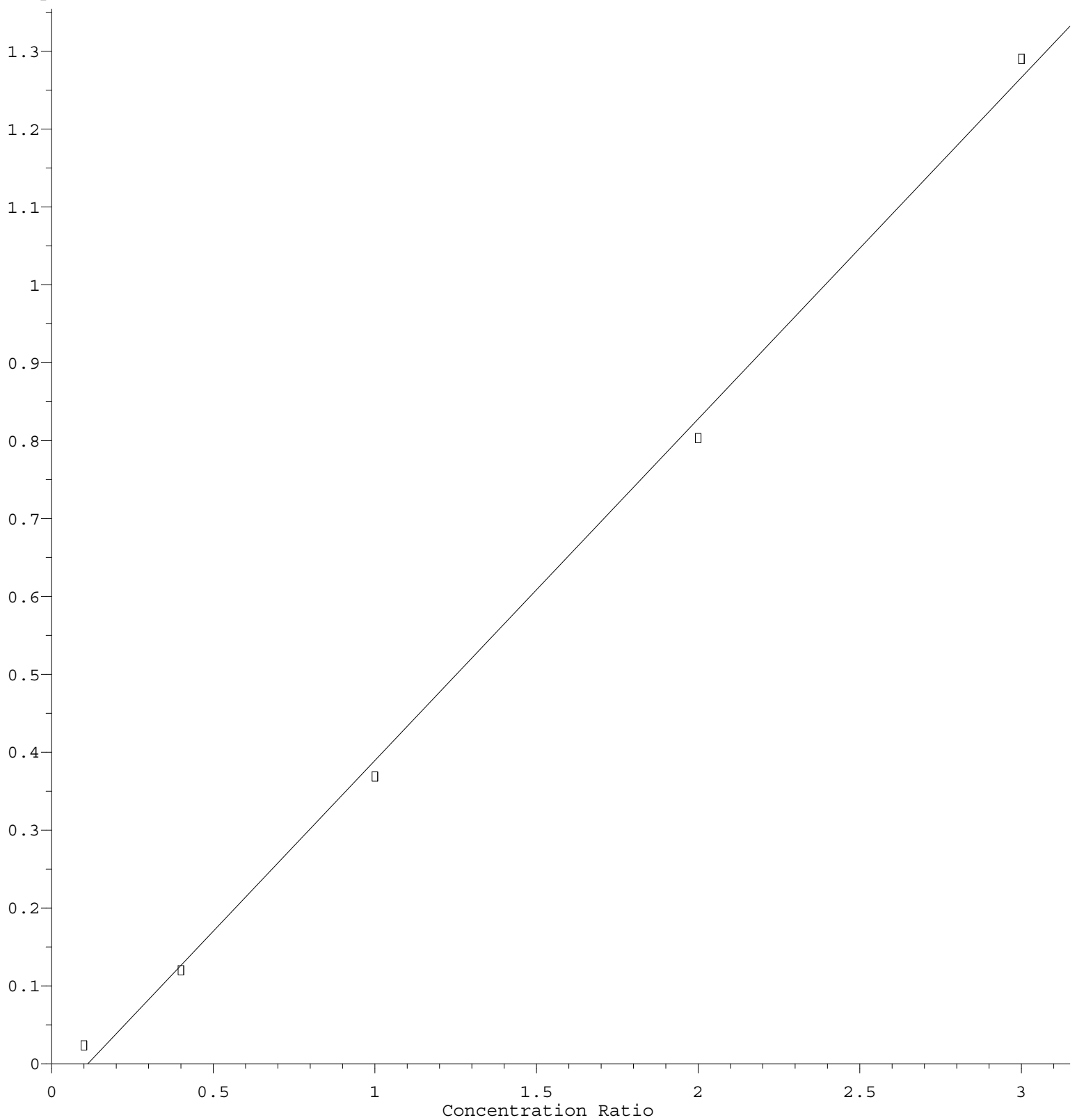
Response Ratio



$R = 2.599e-002 A^2 + 4.830e-001 A - 9.631e-003$
 Coef of Det (r^2) = 0.999780 Curve Fit: Quadratic
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trans-1,4-Dichloro-2-butene

Response Ratio



$$\text{Response} = 4.385\text{e-}001 * \text{Amt} - 4.893\text{e-}002$$

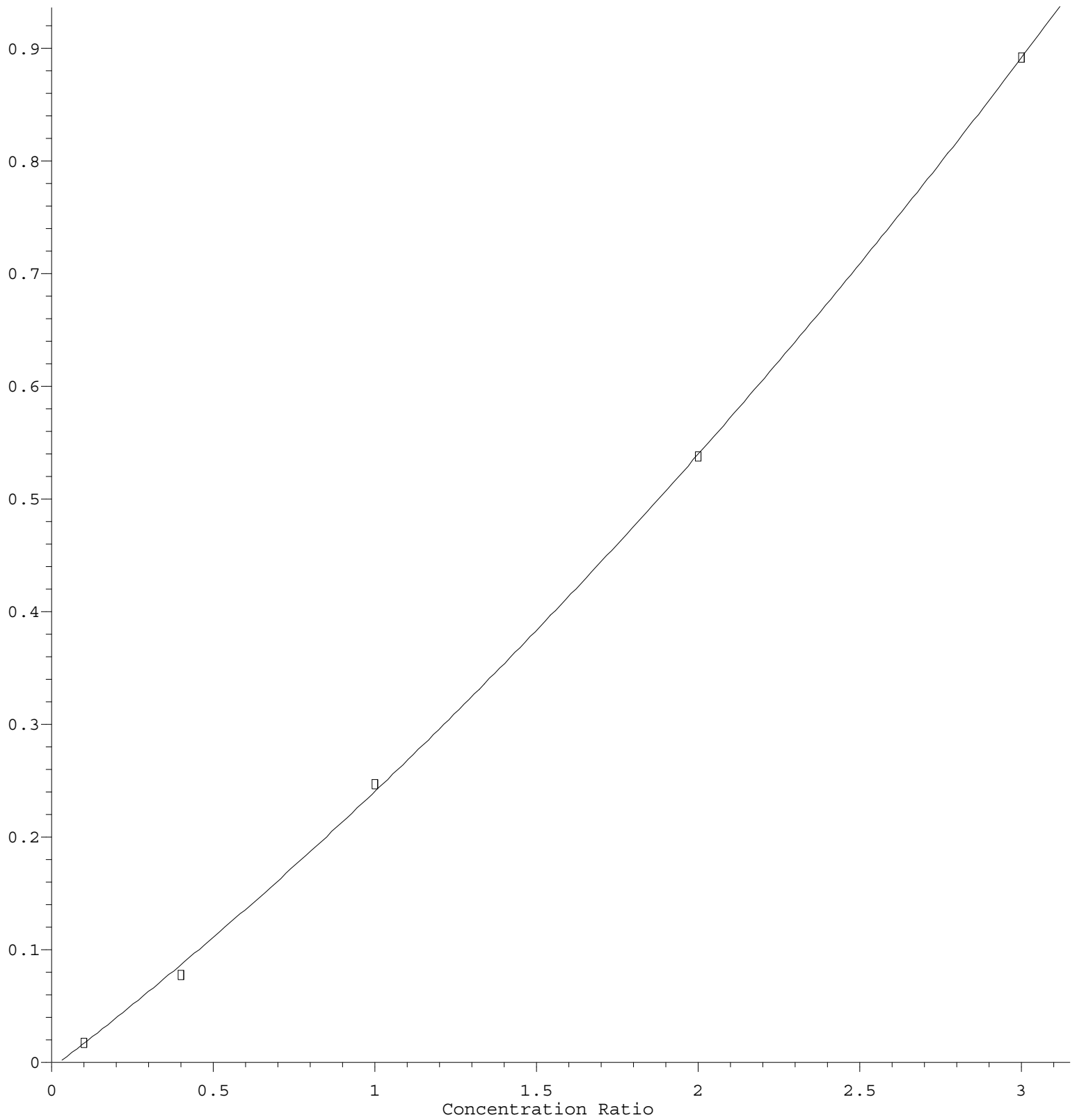
Coef of Det (r^2) = 0.997764 Curve Fit: Linear

Method Name: Z:\voasrv\HPCHEM1\MSVOA X\Method\82X121124W.M

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Bromoform

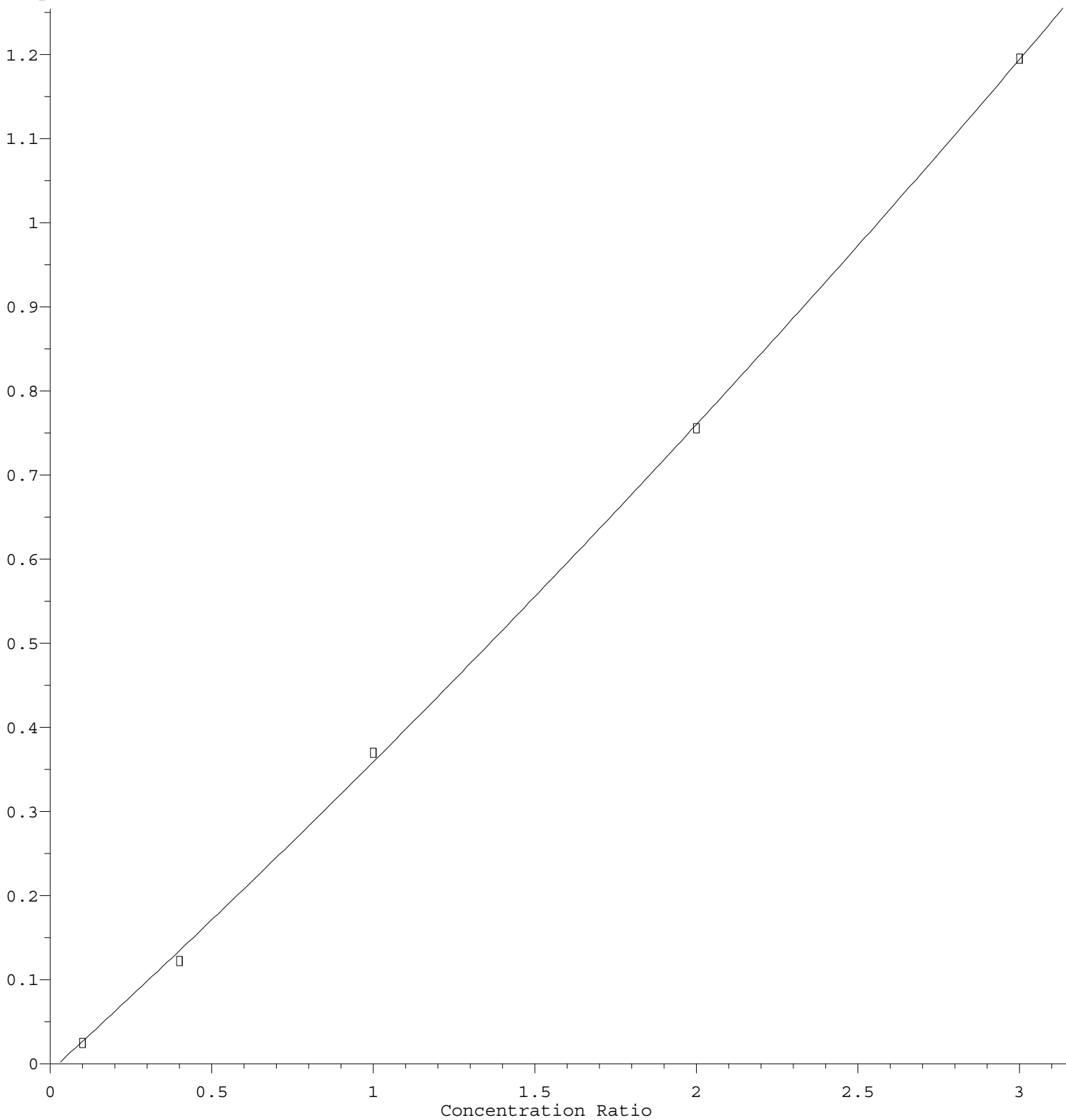
Response Ratio



$R = 2.648e-002 A^2 + 2.195e-001 A - 5.414e-003$
 Coef of Det (r^2) = 0.999777 Curve Fit: Quadratic
 Method Name: Z:\voasrv\HPCHEM1\MSVOA X\Method\82X121124W.M
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Dibromochloromethane

Response Ratio



$R = 1.660e-002 A^2 + 3.511e-001 A - 8.656e-003$
 Coef of Det (r^2) = 0.999705 Curve Fit: Quadratic
 Method Name: Z:\voasrv\HPCHEM1\MSVOA X\Method\82X121124W.M
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