

Method Path : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\
 Method File : 82Y111822S.M
 Title : SW846 8260
 Last Update : Sat Nov 19 22:37:14 2022
 Response Via : Initial Calibration

Calibration Files

5 =VY011491.D 10 =VY011492.D 20 =VY011493.D 50 =VY011494.D 100 =VY011495.D 150 =VY011498.D

	Compound	5	10	20	50	100	150	Avg	%RSD
1) I	Pentafluorobenzene	-----ISTD-----							
2) T	Dichlorodifluo...	0.372	0.422	0.409	0.263	0.248	0.244	0.326	25.74
3) P	Chloromethane	0.524	0.592	0.541	0.435	0.396	0.403	0.482	16.92
4) C	Vinyl Chloride	0.595	0.663	0.631	0.525	0.479	0.499	0.566	13.28#
5) T	Bromomethane	0.541	0.493	0.449	0.362	0.329	0.349	0.421	20.60
6) T	Chloroethane	0.447	0.458	0.432	0.365	0.324	0.341	0.395	14.73
7) T	Trichlorofluor...	0.896	0.918	0.919	0.758	0.727	0.758	0.830	10.92
8) T	Diethyl Ether	0.271	0.281	0.282	0.252	0.255	0.267	0.268	4.76
9) T	1,1,2-Trichlor...	0.517	0.510	0.507	0.454	0.435	0.456	0.480	7.39
10) T	Methyl Iodide	0.446	0.579	0.615	0.587	0.561	0.565	0.559	10.43
11) T	Tert butyl alc...	0.088	0.065	0.091	0.050	0.052	0.051	0.066	28.73
12) CM	1,1-Dichloroet...	0.447	0.471	0.459	0.422	0.410	0.428	0.439	5.34#
13) T	Acrolein	0.016	0.019	0.020	0.008	0.009	0.008	0.013	40.98
14) T	Allyl chloride	0.732	0.757	0.833	0.769	0.731	0.805	0.771	5.29
15) T	Acrylonitrile	0.145	0.140	0.160	0.139	0.146	0.149	0.146	5.13
16) T	Acetone	0.167	0.159	0.173	0.157	0.164	0.169	0.165	3.62
17) T	Carbon Disulfide	1.141	1.376	1.337	1.178	1.117	1.158	1.218	9.04
18) T	Methyl Acetate	0.623	0.415	0.481	0.349	0.367	0.373	0.435	23.83
19) T	Methyl tert-bu...	1.197	1.172	1.299	1.240	1.278	1.339	1.254	5.04
20) T	Methylene Chlo...	1.248	1.040	1.007	0.638	0.545	0.526	0.834	36.38
21) T	trans-1,2-Dich...	0.519	0.520	0.529	0.499	0.475	0.505	0.508	3.78
22) T	Diisopropyl ether	1.541	1.690	1.790	1.719	1.640	1.722	1.684	5.05
23) T	Vinyl Acetate	0.748	0.930	1.046	1.027	1.043	1.091	0.981	12.82
24) P	1,1-Dichloroet...	1.061	1.043	1.011	0.946	0.912	0.959	0.989	5.95
25) T	2-Butanone	0.205	0.202	0.239	0.207	0.220	0.227	0.217	6.79
26) T	2,2-Dichloropr...	0.961	0.944	0.943	0.882	0.845	0.899	0.912	4.87
27) T	cis-1,2-Dichlo...	0.606	0.604	0.607	0.593	0.572	0.604	0.598	2.25
28) T	Bromochloromet...	0.407	0.396	0.414	0.391	0.388	0.386	0.397	2.79
29) T	Tetrahydrofuran	0.113	0.110	0.136	0.118	0.129	0.128	0.122	8.40
30) C	Chloroform	1.112	1.042	1.064	0.989	0.948	0.996	1.025	5.76#
31) T	Cyclohexane	0.887	0.875	0.864	0.810	0.787	0.825	0.842	4.73
32) T	1,1,1-Trichlor...	0.965	0.955	0.940	0.881	0.855	0.906	0.917	4.76
33) S	1,2-Dichloroet...	0.608	0.546	0.566	0.444	0.447	0.435	0.508	14.72
34) I	1,4-Difluorobenzene	-----ISTD-----							
35) S	Dibromofluorom...	0.342	0.329	0.333	0.282	0.284	0.277	0.308	9.73
36) T	1,1-Dichloropr...	0.472	0.492	0.484	0.481	0.471	0.488	0.481	1.78
37) T	Ethyl Acetate	0.238	0.265	0.314	0.265	0.282	0.280	0.274	9.14
38) T	Carbon Tetrach...	0.574	0.547	0.543	0.524	0.513	0.528	0.538	4.04
39) T	Methylcyclohexane	0.461	0.527	0.550	0.555	0.553	0.575	0.537	7.45
40) TM	Benzene	1.398	1.423	1.470	1.398	1.334	1.384	1.402	3.20
41) T	Methacrylonitrile	0.124	0.133	0.138	0.129	0.138	0.169	0.139	11.57
42) TM	1,2-Dichloroet...	0.466	0.442	0.448	0.418	0.411	0.417	0.433	5.02
43) T	Isopropyl Acetate	0.463	0.449	0.521	0.487	0.516	0.528	0.494	6.65
44) TM	Trichloroethene	0.388	0.396	0.382	0.368	0.358	0.369	0.377	3.73
45) C	1,2-Dichloropr...	0.355	0.359	0.374	0.357	0.346	0.358	0.358	2.52#
46) T	Dibromomethane	0.205	0.204	0.209	0.194	0.193	0.198	0.200	3.28
47) T	Bromodichlorom...	0.511	0.515	0.519	0.496	0.485	0.501	0.505	2.55
48) T	Methyl methacr...	0.188	0.198	0.230	0.222	0.237	0.241	0.220	9.79
49) T	1,4-Dioxane	0.002	0.002	0.003	0.002	0.003	0.003	0.002	8.87
50) S	Toluene-d8	1.197	1.229	1.250	1.025	1.017	0.993	1.119	10.63
51) T	4-Methyl-2-Pen...	0.241	0.247	0.298	0.275	0.294	0.294	0.275	9.23
52) CM	Toluene	0.856	0.881	0.908	0.900	0.869	0.904	0.886	2.40#
53) T	t-1,3-Dichloro...	0.495	0.487	0.513	0.502	0.508	0.521	0.504	2.44
54) T	cis-1,3-Dichlo...	0.550	0.557	0.579	0.566	0.564	0.588	0.567	2.45
55) T	1,1,2-Trichlor...	0.302	0.283	0.292	0.279	0.279	0.283	0.287	3.20
56) T	Ethyl methacry...	0.293	0.311	0.364	0.365	0.396	0.409	0.356	12.83

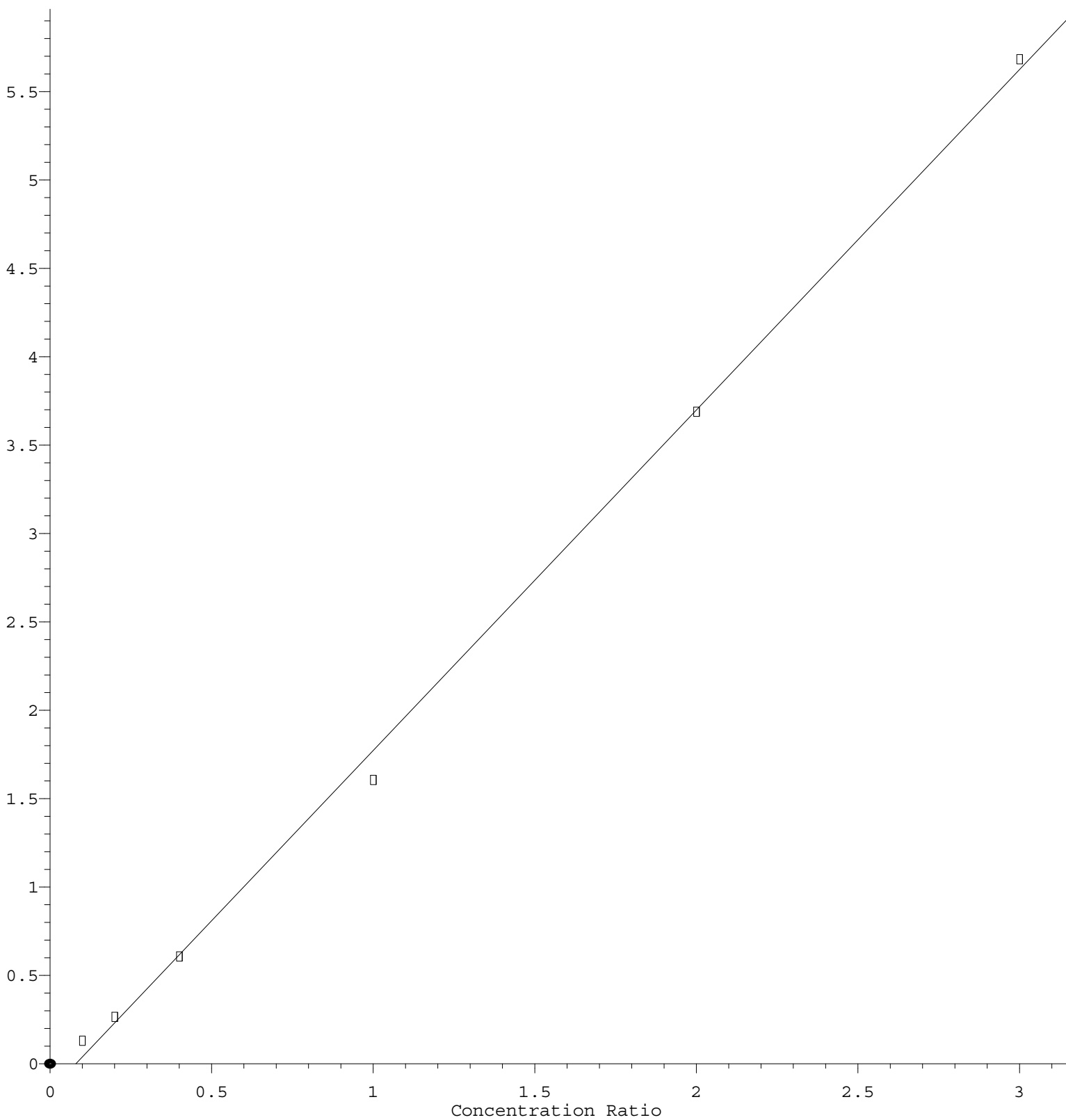
Method Path : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\
 Method File : 82Y111822S.M

57)	T	1,3-Dichloropr...	0.481	0.474	0.513	0.481	0.476	0.488	0.485	2.93
58)	T	2-Chloroethyl ...	0.144	0.157	0.185	0.182	0.192	0.188	0.175	11.12
59)	T	2-Hexanone	0.159	0.168	0.217	0.200	0.218	0.215	0.196	13.33
60)	T	Dibromochlorom...	0.357	0.348	0.361	0.345	0.344	0.352	0.351	1.87
61)	T	1,2-Dibromoethane	0.262	0.256	0.271	0.256	0.260	0.264	0.262	2.20
62)	S	4-Bromofluorob...	0.477	0.408	0.436	0.391	0.394	0.376	0.414	8.91
-----ISTD-----										
63)	I	Chlorobenzene-d5								
64)	T	Tetrachloroethene	0.452	0.412	0.412	0.411	0.391	0.394	0.412	5.27
65)	PM	Chlorobenzene	1.075	1.062	1.072	1.045	0.998	1.030	1.047	2.79
66)	T	1,1,1,2-Tetrac...	0.398	0.393	0.407	0.404	0.383	0.396	0.397	2.11
67)	C	Ethyl Benzene	1.813	1.839	1.884	1.948	1.887	1.971	1.890	3.22#
68)	T	m/p-Xylenes	0.663	0.705	0.732	0.752	0.721	0.745	0.720	4.53
69)	T	o-Xylene	0.598	0.651	0.671	0.708	0.686	0.706	0.670	6.18
70)	T	Styrene	1.026	1.083	1.165	1.210	1.177	1.202	1.144	6.38
71)	P	Bromoform	0.234	0.236	0.253	0.241	0.243	0.242	0.241	2.79
-----ISTD-----										
72)	I	1,4-Dichlorobenzen...								
73)	T	Isopropylbenzene	3.373	3.469	3.527	3.789	3.633	3.906	3.616	5.57
74)	T	N-amyl acetate	0.748	0.786	0.916	0.908	0.972	1.027	0.893	12.00
75)	P	1,1,2,2-Tetrac...	0.755	0.694	0.721	0.685	0.699	0.722	0.713	3.58
76)	T	1,2,3-Trichlor...	0.559	0.501	0.511	0.575	0.580	0.505	0.538	6.80
77)	T	Bromobenzene	0.832	0.859	0.855	0.841	0.811	0.869	0.844	2.48
78)	T	n-propylbenzene	4.129	4.292	4.414	4.625	4.357	4.653	4.412	4.54
79)	T	2-Chlorotoluene	2.395	2.431	2.477	2.548	2.452	2.616	2.487	3.28
80)	T	1,3,5-Trimethy...	2.865	2.963	3.038	3.195	3.017	3.211	3.048	4.40
81)	T	trans-1,4-Dich...	0.242	0.219	0.250	0.238	0.257	0.269	0.246	7.01
82)	T	4-Chlorotoluene	2.599	2.586	2.579	2.655	2.502	2.678	2.600	2.40
83)	T	tert-Butylbenzene	2.465	2.572	2.619	2.791	2.617	2.865	2.655	5.53
84)	T	1,2,4-Trimethy...	2.744	2.949	3.047	3.156	3.000	3.168	3.011	5.19
85)	T	sec-Butylbenzene	3.711	3.885	3.962	4.143	3.929	4.139	3.962	4.13
86)	T	p-Isopropyltol...	3.018	3.199	3.316	3.503	3.295	3.506	3.306	5.63
87)	T	1,3-Dichlorobe...	1.786	1.759	1.706	1.716	1.633	1.713	1.719	3.05
88)	T	1,4-Dichlorobe...	1.850	1.793	1.703	1.697	1.601	1.670	1.719	5.19
89)	T	n-Butylbenzene	2.811	2.901	3.007	3.229	3.056	3.230	3.039	5.60
90)	T	Hexachloroethane	0.733	0.691	0.647	0.650	0.622	0.662	0.668	5.87
91)	T	1,2-Dichlorobe...	1.600	1.551	1.519	1.521	1.451	1.500	1.524	3.27
92)	T	1,2-Dibromo-3-...	0.119	0.112	0.119	0.113	0.118	0.121	0.117	3.10
93)	T	1,2,4-Trichlor...	0.811	0.820	0.806	0.843	0.883	0.908	0.845	4.95
94)	T	Hexachlorobuta...	0.539	0.558	0.526	0.511	0.503	0.515	0.525	3.93
95)	T	Naphthalene	1.301	1.326	1.517	1.605	1.844	1.894	1.581	15.88
96)	T	1,2,3-Trichlor...	0.692	0.703	0.708	0.712	0.755	0.775	0.724	4.55

(#) = Out of Range

Naphthalene

Response Ratio



$$\text{Response} = 1.927\text{e}+000 * \text{Amt} - 1.549\text{e}-001$$

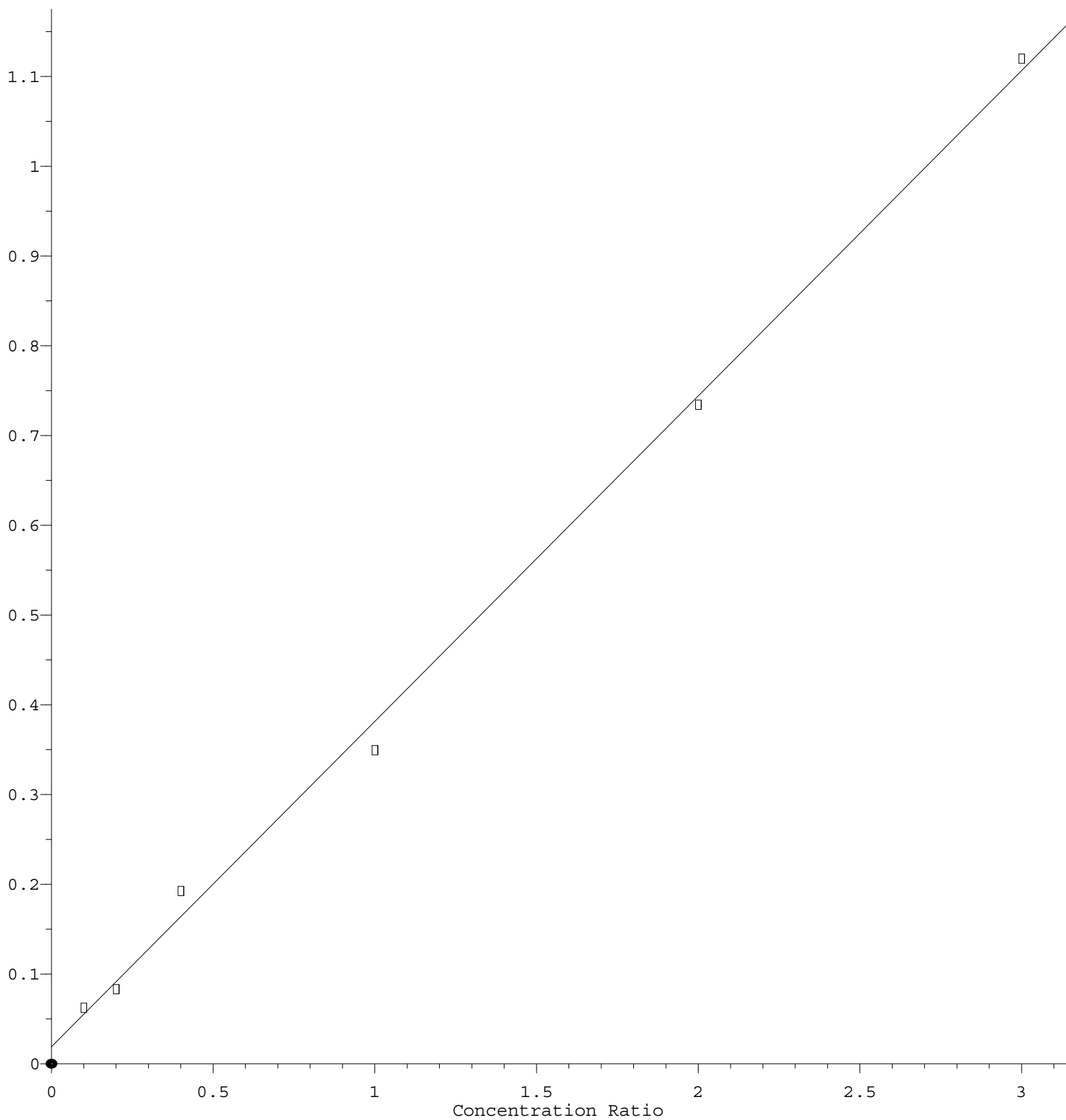
Coef of Det (r^2) = 0.998366 Curve Fit: Linear

Method Name: Z:\voasrv\HPCHEM1\MSVOA Y\methods\82Y111822S.M

Calibration Table Last Updated: Sat Nov 19 22:37:14 2022

Methyl Acetate

Response Ratio



$$\text{Response} = 3.626\text{e-}001 * \text{Amt} + 1.869\text{e-}002$$

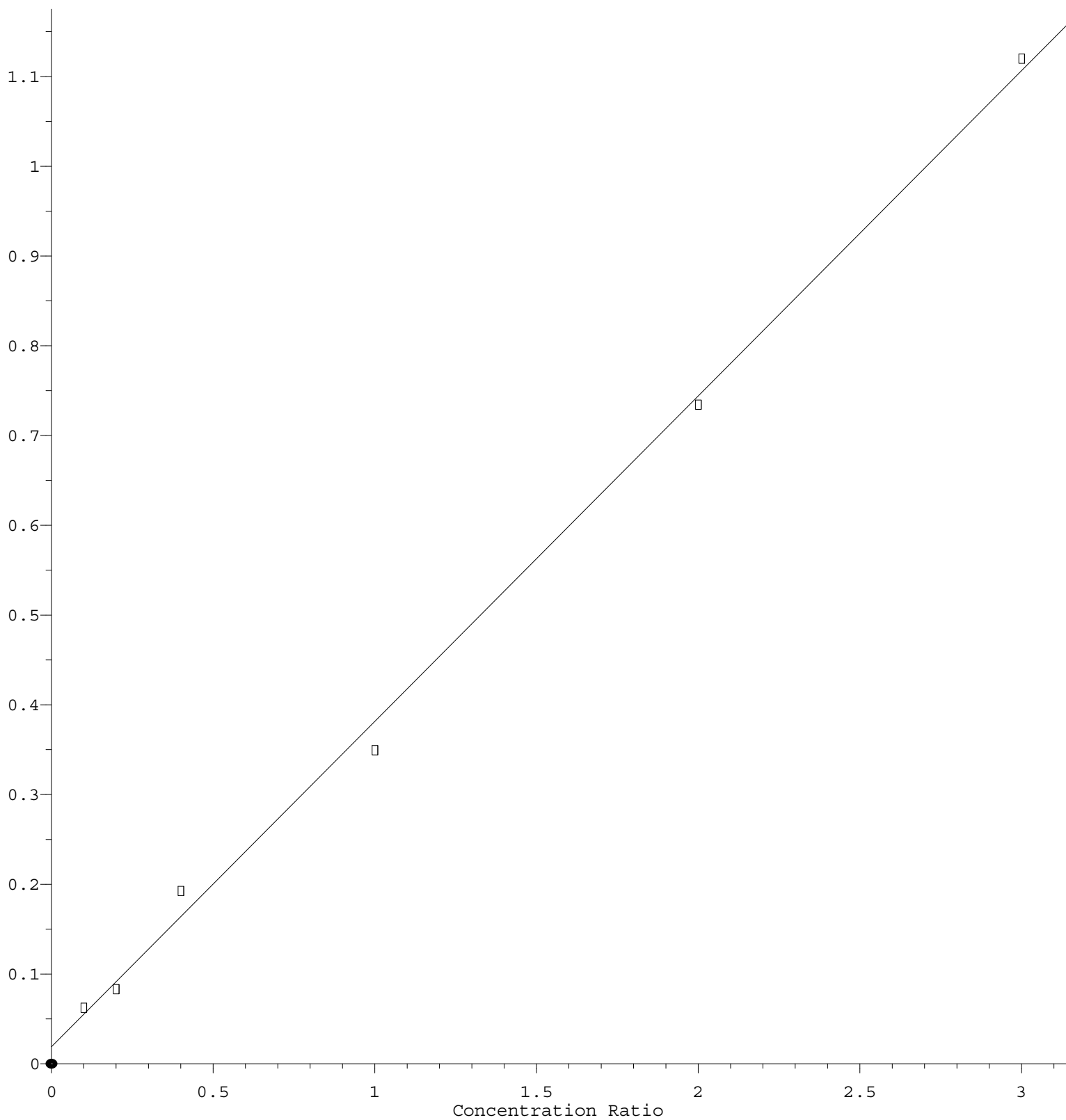
Coef of Det (r^2) = 0.997474 Curve Fit: Linear

Method Name: Z:\voasrv\HPCHEM1\MSVOA Y\methods\82Y111822S.M

Calibration Table Last Updated: Sat Nov 19 22:37:14 2022

Methyl Acetate

Response Ratio



$$\text{Response} = 3.626\text{e-}001 * \text{Amt} + 1.869\text{e-}002$$

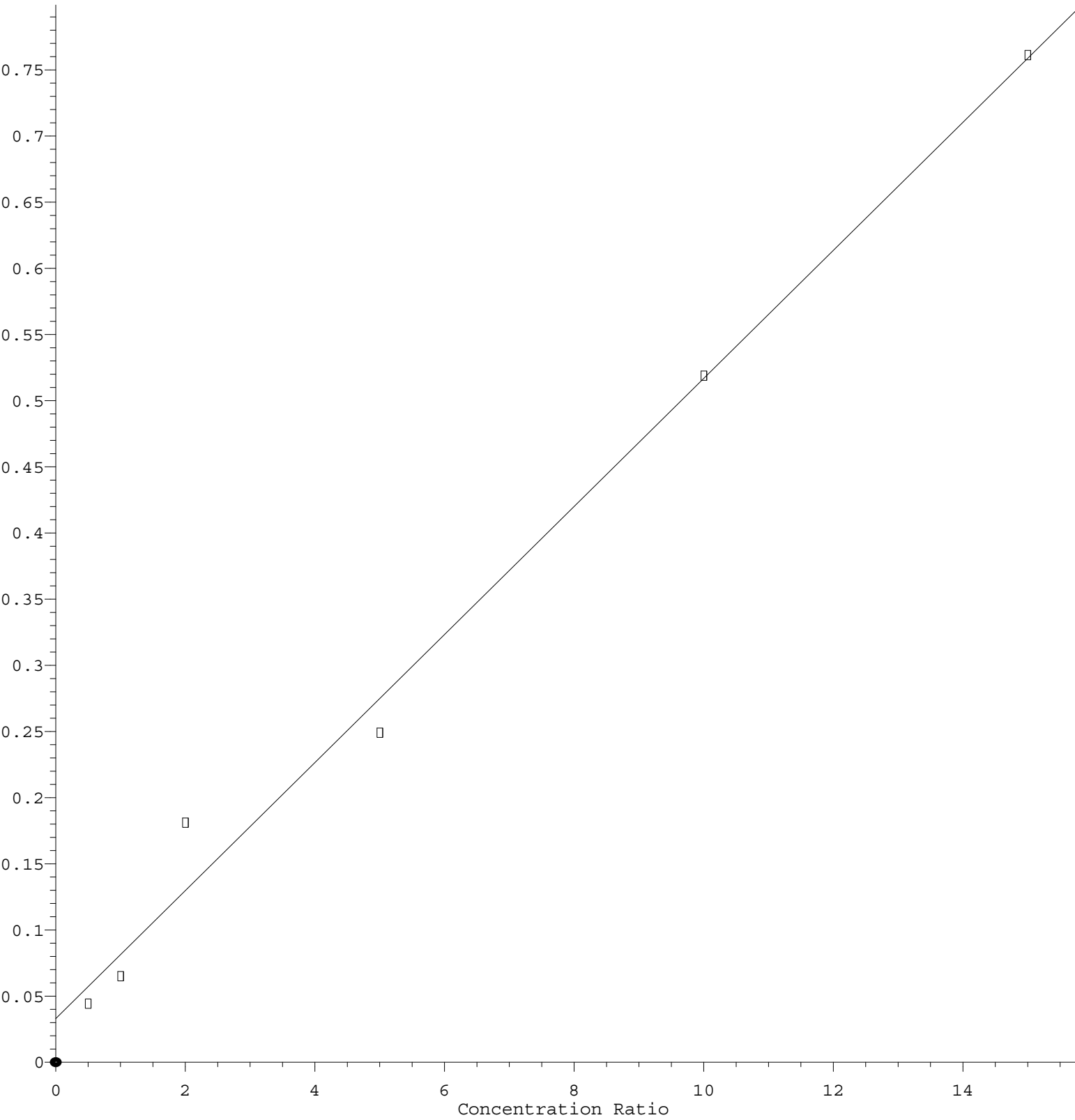
Coef of Det (r^2) = 0.997474 Curve Fit: Linear

Method Name: Z:\voasrv\HPCHEM1\MSVOA Y\methods\82Y111822S.M

Calibration Table Last Updated: Sat Nov 19 22:37:14 2022

Tert butyl alcohol

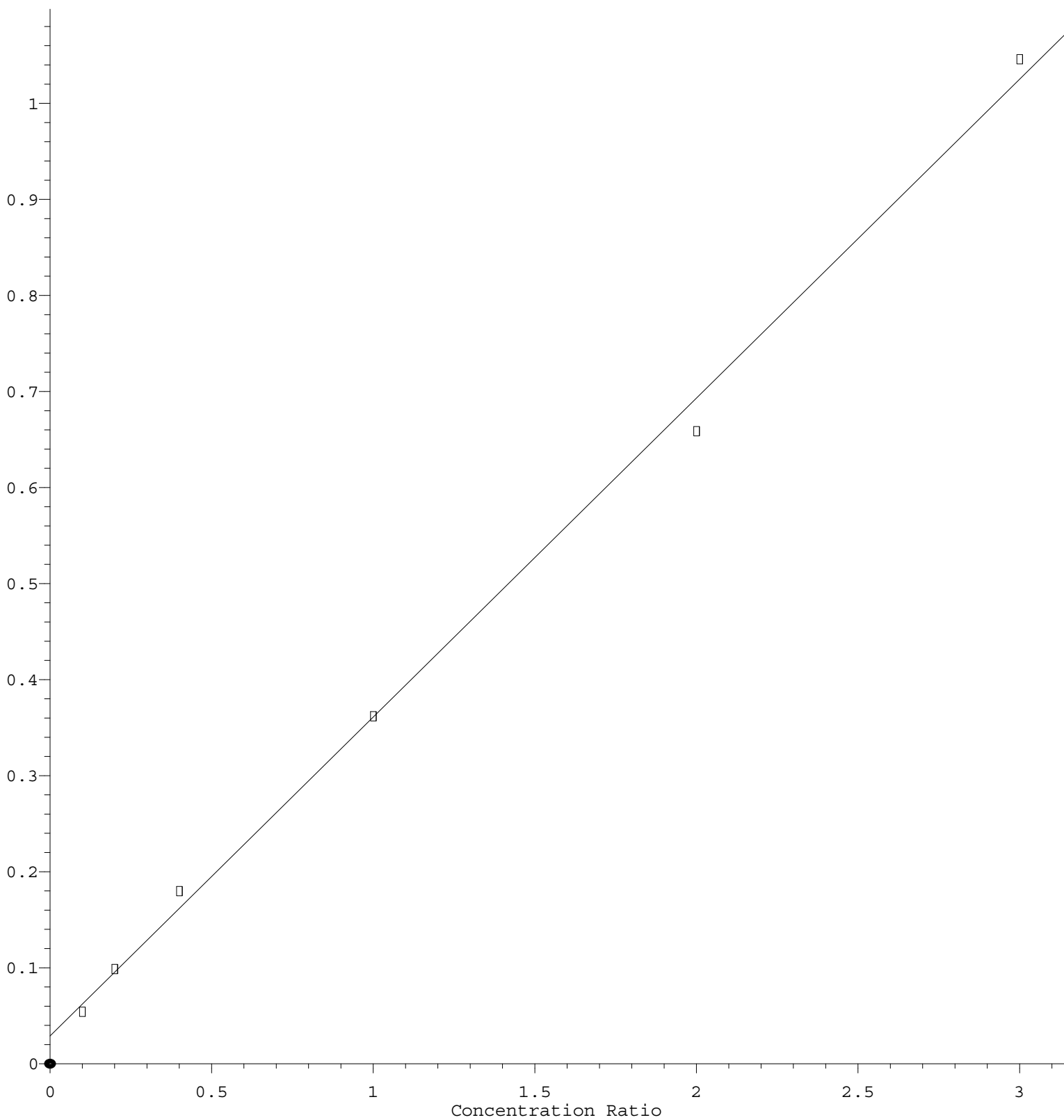
Response Ratio



Response = $4.841e-002 * Amt + 3.295e-002$
 Coef of Det (r^2) = 0.990587 Curve Fit: Linear
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 Calibration Table Last Updated: Sat Nov 19 22:37:14 2022

Bromomethane

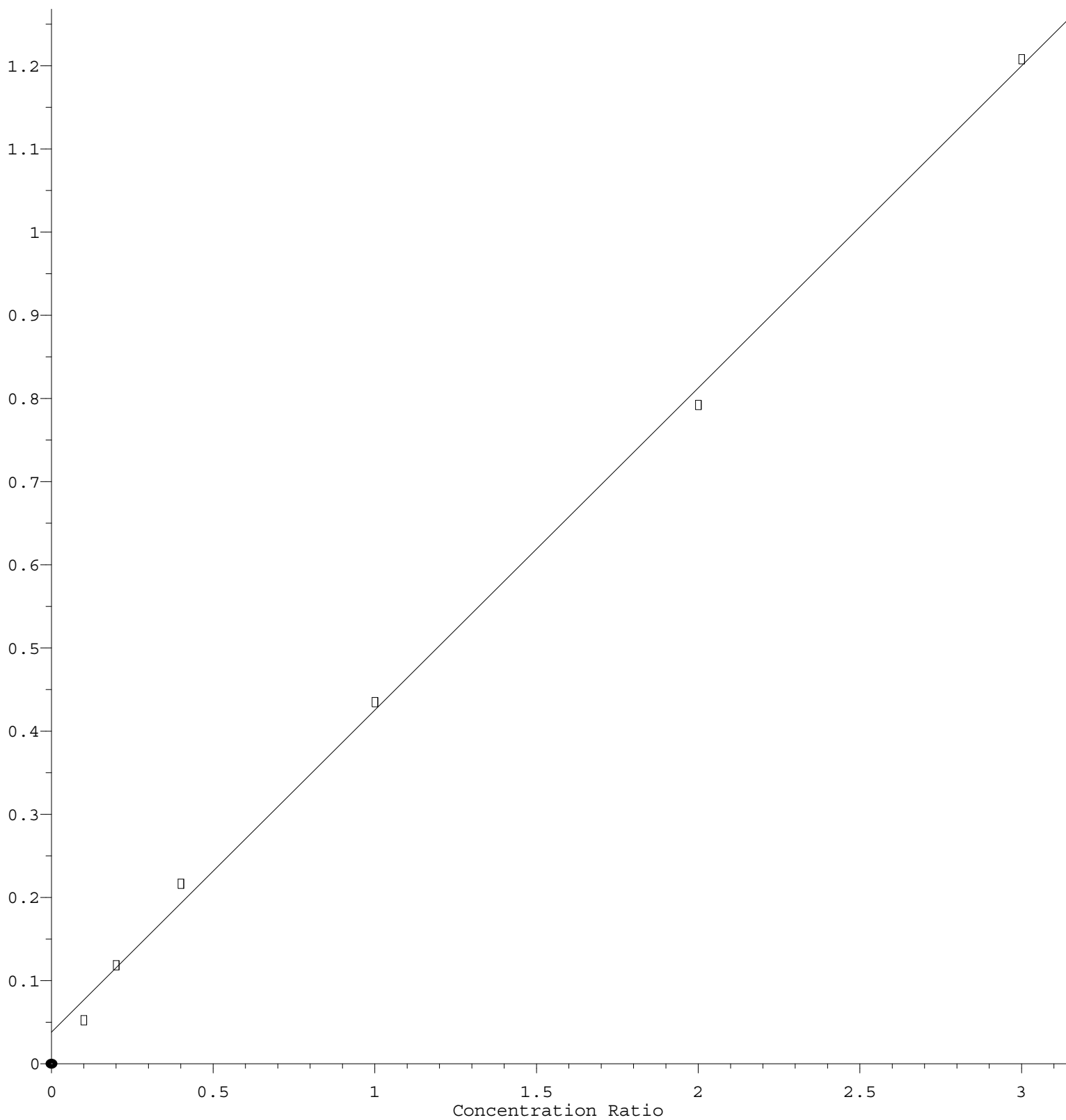
Response Ratio



$\text{Response} = 3.322\text{e-}001 * \text{Amt} + 2.883\text{e-}002$
 Coef of Det (r^2) = 0.997290 Curve Fit: Linear
 Method Name: Z:\voasrv\HPCHEM1\MSVOA Y\methods\82Y111822S.M
 Calibration Table Last Updated: Sat Nov 19 22:37:14 2022

Chloromethane

Response Ratio



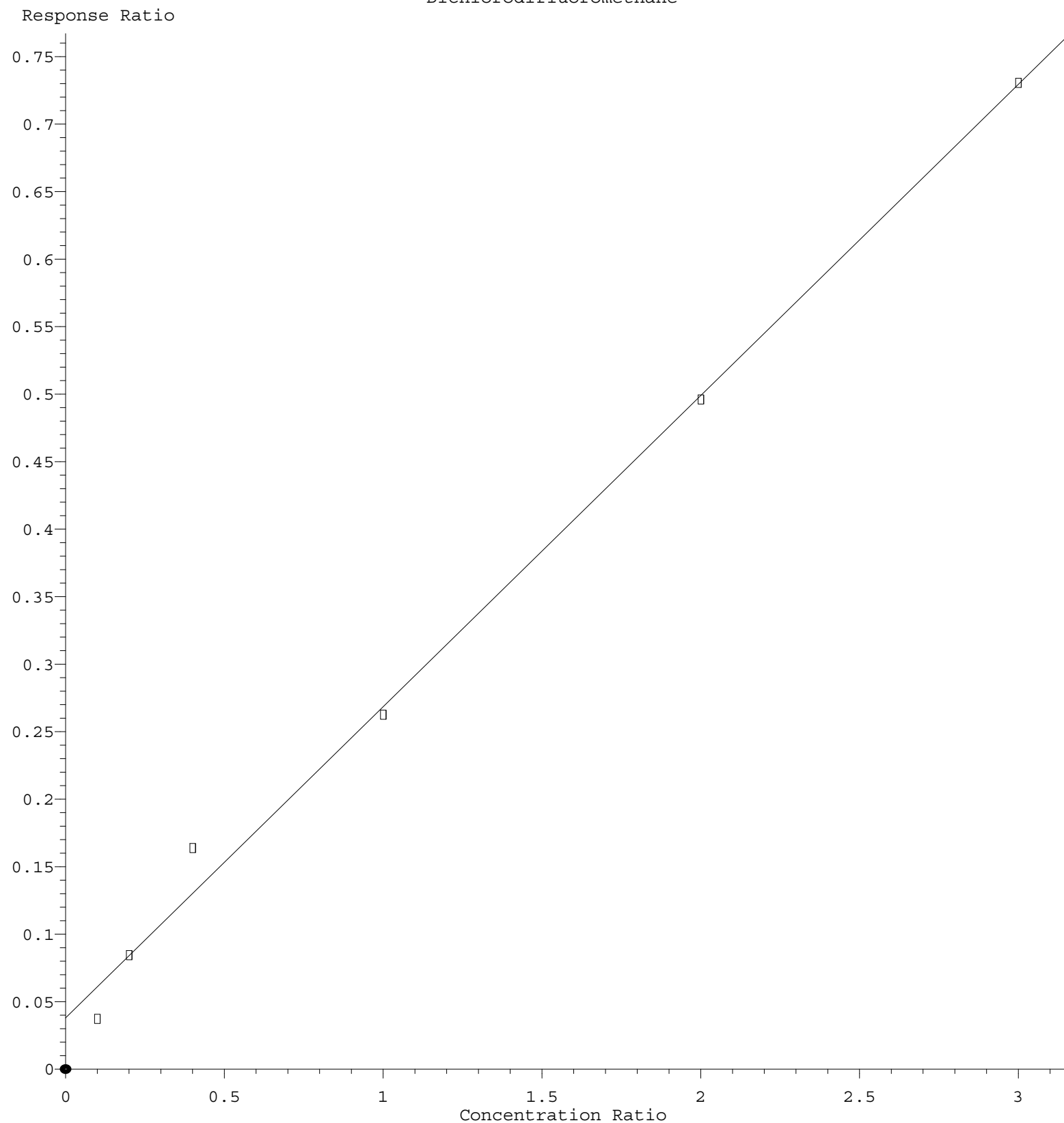
$$\text{Response} = 3.874\text{e-}001 * \text{Amt} + 3.767\text{e-}002$$

Coef of Det (r^2) = 0.998291 Curve Fit: Linear

Method Name: Z:\voasrv\HPCHEM1\MSVOA Y\methods\82Y111822S.M

Calibration Table Last Updated: Sat Nov 19 22:37:14 2022

Dichlorodifluoromethane



$\text{Response} = 2.305\text{e-}001 * \text{Amt} + 3.839\text{e-}002$
 Coef of Det (r^2) = 0.995151 Curve Fit: Linear
 Method Name: Z:\voasrv\HPCHEM1\MSVOA Y\methods\82Y111822S.M
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