

Method Path : Z:\voasrv\HPCHEM1\MSVOA_D\Method\
 Method File : 82D111122S.M
 Title : SW846 8260
 Last Update : Mon Nov 14 00:51:58 2022
 Response Via : Initial Calibration

Calibration Files

10 =VD074883.D 5 =VD074882.D 20 =VD074884.D 50 =VD074885.D 100 =VD074886.D 150 =VD074887.D

Compound		10	5	20	50	100	150	Avg	%RSD

1) I	Pentafluorobenzene	-----ISTD-----							
2) T	Dichlorodifluo...	0.394	0.505	0.363	0.327	0.330	0.322	0.374	18.70
3) P	Chloromethane	0.650	0.765	0.565	0.549	0.514	0.492	0.589	17.29
4) C	Vinyl Chloride	0.722	0.798	0.677	0.677	0.672	0.661	0.701	7.39#
5) T	Bromomethane	0.618	0.749	0.526	0.508	0.516	0.524	0.573	16.55
6) T	Chloroethane	0.532	0.612	0.480	0.492	0.492	0.480	0.515	9.98
7) T	Trichlorofluor...	0.813	0.923	0.768	0.753	0.767	0.768	0.799	8.03
8) T	Diethyl Ether	0.224	0.238	0.217	0.227	0.237	0.231	0.229	3.42
9) T	1,1,2-Trichlor...	0.509	0.589	0.482	0.488	0.495	0.496	0.510	7.78
10) T	Methyl Iodide	0.408	0.435	0.447	0.564	0.638	0.654	0.524	20.68
11) T	Tert butyl alc...	0.033	0.038	0.029	0.023	0.022	0.023	0.028	22.18
12) CM	1,1-Dichloroet...	0.499	0.526	0.460	0.484	0.504	0.507	0.497	4.55#
13) T	Acrolein	0.023	0.015	0.020	0.013	0.013	0.013	0.016	26.68
14) T	Allyl chloride	0.528	0.553	0.496	0.534	0.544	0.532	0.531	3.68
15) T	Acrylonitrile	0.091	0.088	0.086	0.090	0.092	0.090	0.090	2.41
16) T	Acetone	0.087	0.089	0.076	0.081	0.080	0.084	0.083	5.72
17) T	Carbon Disulfide	1.444	1.624	1.308	1.364	1.377	1.358	1.413	7.96
18) T	Methyl Acetate	0.249	0.343	0.242	0.202	0.212	0.210	0.243	21.57
19) T	Methyl tert-bu...	0.979	0.989	0.925	1.009	1.045	1.018	0.994	4.12
20) T	Methylene Chlo...	1.494	2.272	0.920	0.718	0.622	0.570	1.099	60.57
21) T	trans-1,2-Dich...	0.565	0.594	0.539	0.559	0.568	0.553	0.563	3.29
22) T	Diisopropyl ether	1.147	1.155	1.131	1.241	1.231	1.198	1.184	3.90
23) T	Vinyl Acetate	0.472	0.443	0.475	0.538	0.571	0.549	0.508	10.08
24) P	1,1-Dichloroet...	0.909	0.973	0.828	0.880	0.865	0.849	0.884	5.83
25) T	2-Butanone	0.116	0.114	0.103	0.104	0.104	0.106	0.108	5.18
26) T	2,2-Dichloropr...	0.849	0.982	0.776	0.794	0.796	0.788	0.831	9.39
27) T	cis-1,2-Dichlo...	0.626	0.651	0.585	0.624	0.634	0.628	0.625	3.49
28) T	Bromochloromet...	0.310	0.301	0.279	0.286	0.270	0.266	0.285	6.03
29) T	Tetrahydrofuran	0.061	0.051	0.060	0.062	0.063	0.062	0.060	7.44
30) C	Chloroform	1.018	1.052	0.915	0.954	0.948	0.923	0.968	5.67#
31) T	Cyclohexane	0.728	0.884	0.672	0.691	0.700	0.698	0.729	10.71
32) T	1,1,1-Trichlor...	0.824	0.886	0.795	0.836	0.838	0.828	0.834	3.58
33) S	1,2-Dichloroet...	0.454	0.484	0.425	0.350	0.316	0.302	0.389	19.55
34) I	1,4-Difluorobenzene	-----ISTD-----							
35) S	Dibromofluorom...	0.311	0.302	0.313	0.311	0.305	0.308	0.308	1.40
36) T	1,1-Dichloropr...	0.410	0.438	0.413	0.482	0.488	0.487	0.453	8.13
37) T	Ethyl Acetate	0.147	0.140	0.140	0.163	0.165	0.157	0.152	7.41
38) T	Carbon Tetrach...	0.380	0.400	0.385	0.455	0.465	0.473	0.426	10.04
39) T	Methylcyclohexane	0.416	0.468	0.424	0.516	0.543	0.544	0.485	11.84
40) TM	Benzene	1.246	1.355	1.207	1.437	1.297	1.272	1.303	6.34
41) T	Methacrylonitrile	0.067	0.082	0.073	0.085	0.089	0.088	0.081	10.54
42) TM	1,2-Dichloroet...	0.313	0.333	0.289	0.347	0.297	0.293	0.312	7.56
43) T	Isopropyl Acetate	0.261	0.257	0.255	0.285	0.277	0.272	0.268	4.59
44) TM	Trichloroethene	0.316	0.373	0.302	0.357	0.354	0.361	0.344	8.13
45) C	1,2-Dichloropr...	0.269	0.315	0.262	0.311	0.303	0.296	0.293	7.60#
46) T	Dibromomethane	0.155	0.172	0.146	0.168	0.174	0.168	0.164	6.69
47) T	Bromodichlorom...	0.371	0.429	0.367	0.427	0.427	0.420	0.407	7.23
48) T	Methyl methacr...	0.109	0.110	0.108	0.127	0.132	0.126	0.119	9.09
49) T	1,4-Dioxane	0.002	0.001	0.002	0.002	0.002	0.002	0.002	12.46
50) S	Toluene-d8	1.045	1.046	1.029	1.010	0.981	0.981	1.015	2.94
51) T	4-Methyl-2-Pen...	0.116	0.111	0.116	0.140	0.143	0.140	0.128	11.68
52) CM	Toluene	0.723	0.702	0.691	0.862	0.847	0.849	0.779	10.45#
53) T	t-1,3-Dichloro...	0.324	0.320	0.324	0.386	0.405	0.397	0.359	11.30
54) T	cis-1,3-Dichlo...	0.387	0.409	0.397	0.479	0.487	0.484	0.441	10.82
55) T	1,1,2-Trichlor...	0.214	0.224	0.209	0.244	0.242	0.235	0.228	6.41
56) T	Ethyl methacry...	0.212	0.199	0.219	0.275	0.291	0.284	0.246	16.67

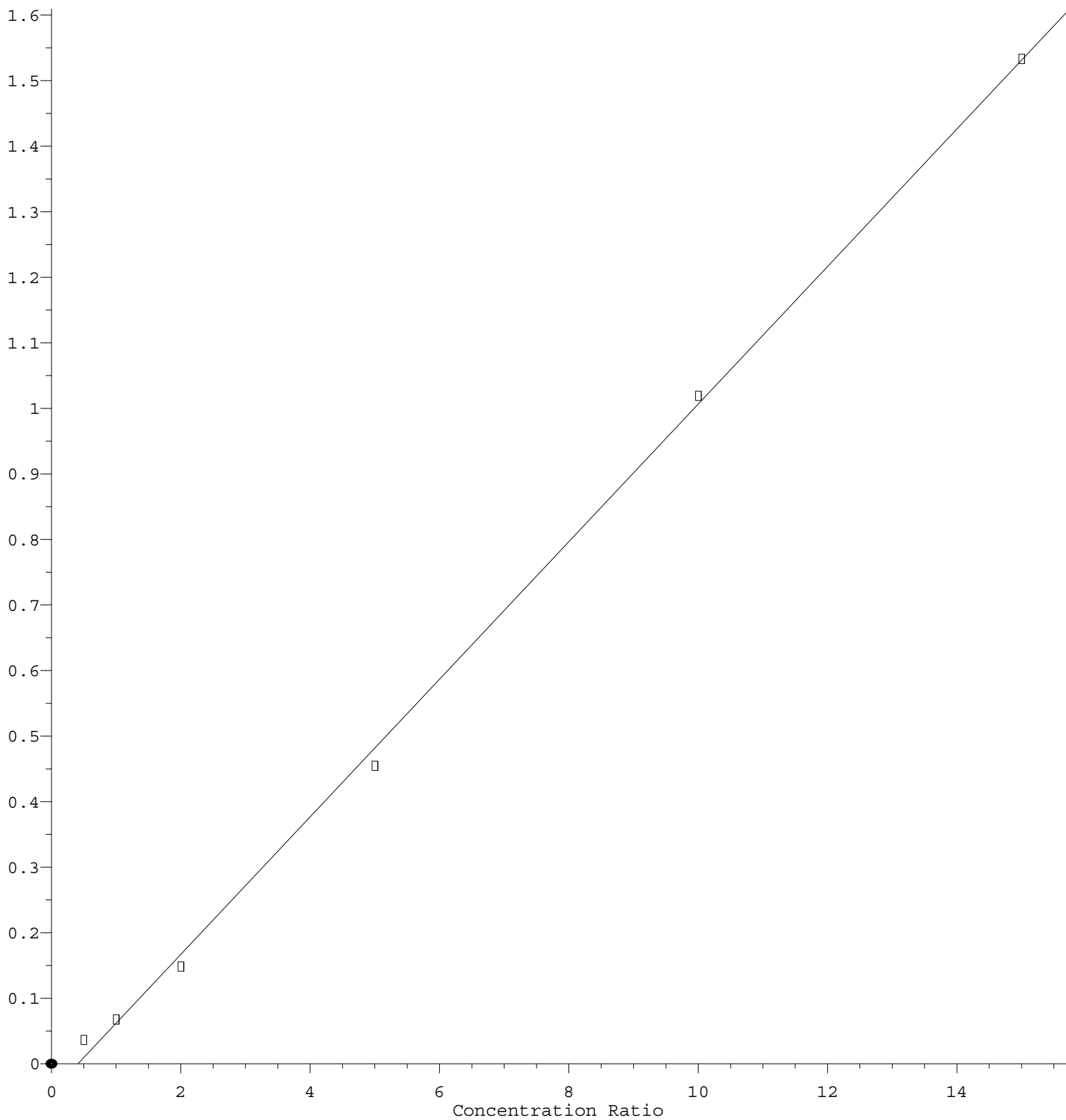
Method Path : Z:\voasrv\HPCHEM1\MSVOA_D\Method\
 Method File : 82D111122S.M

57)	T	1,3-Dichloropr...	0.346	0.352	0.333	0.389	0.395	0.383	0.366	7.06
58)	T	2-Chloroethyl ...	0.068	0.073	0.074	0.091	0.102	0.102	0.085	18.20
59)	T	2-Hexanone	0.081	0.075	0.080	0.098	0.100	0.101	0.089	13.13
60)	T	Dibromochlorom...	0.252	0.248	0.247	0.292	0.294	0.289	0.270	8.74
61)	T	1,2-Dibromoethane	0.203	0.204	0.197	0.225	0.226	0.224	0.213	6.16
62)	S	4-Bromofluorob...	0.308	0.307	0.301	0.325	0.312	0.317	0.312	2.74
-----ISTD-----										
63)	I	Chlorobenzene-d5								
64)	T	Tetrachloroethene	0.342	0.361	0.331	0.326	0.325	0.327	0.335	4.22
65)	PM	Chlorobenzene	1.001	1.029	0.931	0.988	0.960	0.959	0.978	3.59
66)	T	1,1,1,2-Tetrac...	0.349	0.348	0.331	0.342	0.345	0.342	0.343	1.94
67)	C	Ethyl Benzene	1.630	1.612	1.614	1.759	1.793	1.817	1.704	5.61#
68)	T	m/p-Xylenes	0.652	0.637	0.649	0.707	0.715	0.717	0.679	5.51
69)	T	o-Xylene	0.590	0.568	0.593	0.662	0.664	0.673	0.625	7.41
70)	T	Styrene	1.038	0.929	1.050	1.138	1.133	1.140	1.072	7.78
71)	P	Bromoform	0.178	0.168	0.181	0.180	0.180	0.176	0.177	2.78
-----ISTD-----										
72)	I	1,4-Dichlorobenzen...								
73)	T	Isopropylbenzene	3.230	3.184	3.212	3.553	3.694	3.776	3.441	7.71
74)	T	N-amyl acetate	0.554	0.508	0.535	0.584	0.608	0.608	0.566	7.21
75)	P	1,1,2,2-Tetrac...	0.625	0.639	0.585	0.600	0.615	0.589	0.609	3.48
76)	T	1,2,3-Trichlor...	0.407	0.450	0.465	0.393	0.405	0.389	0.418	7.54
77)	T	Bromobenzene	0.802	0.835	0.745	0.800	0.824	0.827	0.805	4.05
78)	T	n-propylbenzene	4.055	4.017	4.043	4.340	4.432	4.496	4.230	5.12
79)	T	2-Chlorotoluene	2.242	2.221	2.175	2.296	2.364	2.378	2.279	3.55
80)	T	1,3,5-Trimethy...	2.768	2.670	2.737	2.960	3.014	3.057	2.868	5.66
81)	T	trans-1,4-Dich...	0.153	0.197	0.156	0.165	0.174	0.174	0.170	9.41
82)	T	4-Chlorotoluene	2.367	2.323	2.257	2.393	2.439	2.462	2.374	3.19
83)	T	tert-Butylbenzene	2.346	2.376	2.305	2.520	2.660	2.722	2.488	7.01
84)	T	1,2,4-Trimethy...	2.682	2.609	2.691	2.896	3.044	3.094	2.836	7.23
85)	T	sec-Butylbenzene	3.653	3.560	3.573	3.812	4.002	4.108	3.785	6.08
86)	T	p-Isopropyltol...	2.927	2.765	2.966	3.242	3.420	3.562	3.147	9.87
87)	T	1,3-Dichlorobe...	1.640	1.664	1.585	1.656	1.739	1.768	1.675	4.01
88)	T	1,4-Dichlorobe...	1.728	1.754	1.563	1.621	1.642	1.668	1.663	4.22
89)	T	n-Butylbenzene	2.773	2.677	2.734	2.996	3.117	3.235	2.922	7.78
90)	T	Hexachloroethane	0.557	0.542	0.536	0.561	0.583	0.602	0.564	4.43
91)	T	1,2-Dichlorobe...	1.453	1.443	1.350	1.417	1.448	1.438	1.425	2.71
92)	T	1,2-Dibromo-3-...	0.076	0.101	0.078	0.081	0.086	0.081	0.084	10.82
93)	T	1,2,4-Trichlor...	0.841	0.860	0.781	0.861	0.913	0.946	0.867	6.63
94)	T	Hexachlorobuta...	0.421	0.444	0.426	0.429	0.467	0.497	0.447	6.57
95)	T	Naphthalene	1.523	1.486	1.485	1.630	1.756	1.776	1.610	8.24
96)	T	1,2,3-Trichlor...	0.729	0.734	0.698	0.751	0.780	0.808	0.750	5.21

(#) = Out of Range

2-Chloroethyl Vinyl ether

Response Ratio



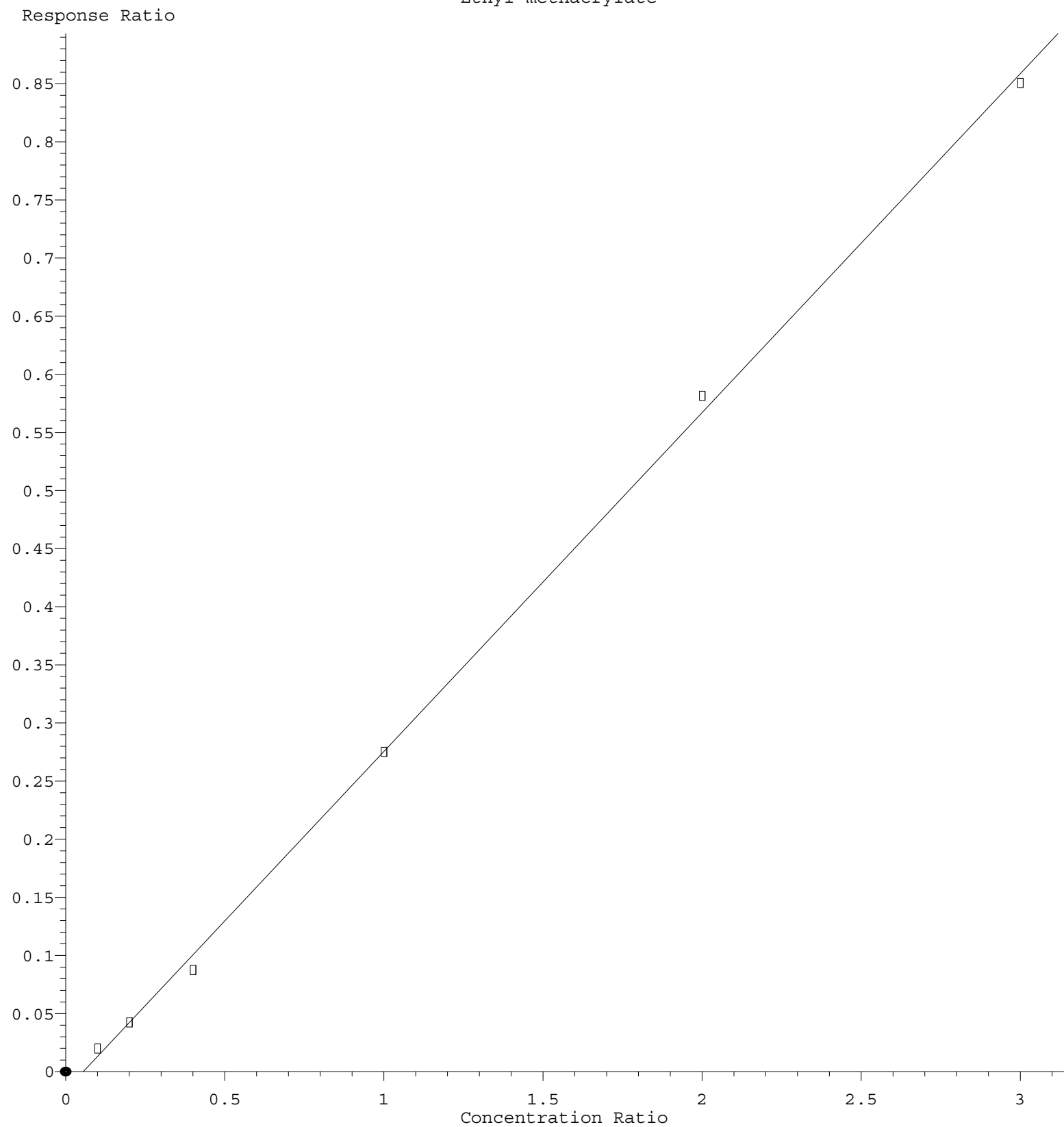
$$\text{Response} = 1.049\text{e-}001 * \text{Amt} - 4.262\text{e-}002$$

Coef of Det (r^2) = 0.998919 Curve Fit: Linear

Method Name: Z:\voasrv\HPCHEM1\MSVOA D\Method\82D111122S.M

Calibration Table Last Updated: Mon Nov 14 00:51:58 2022

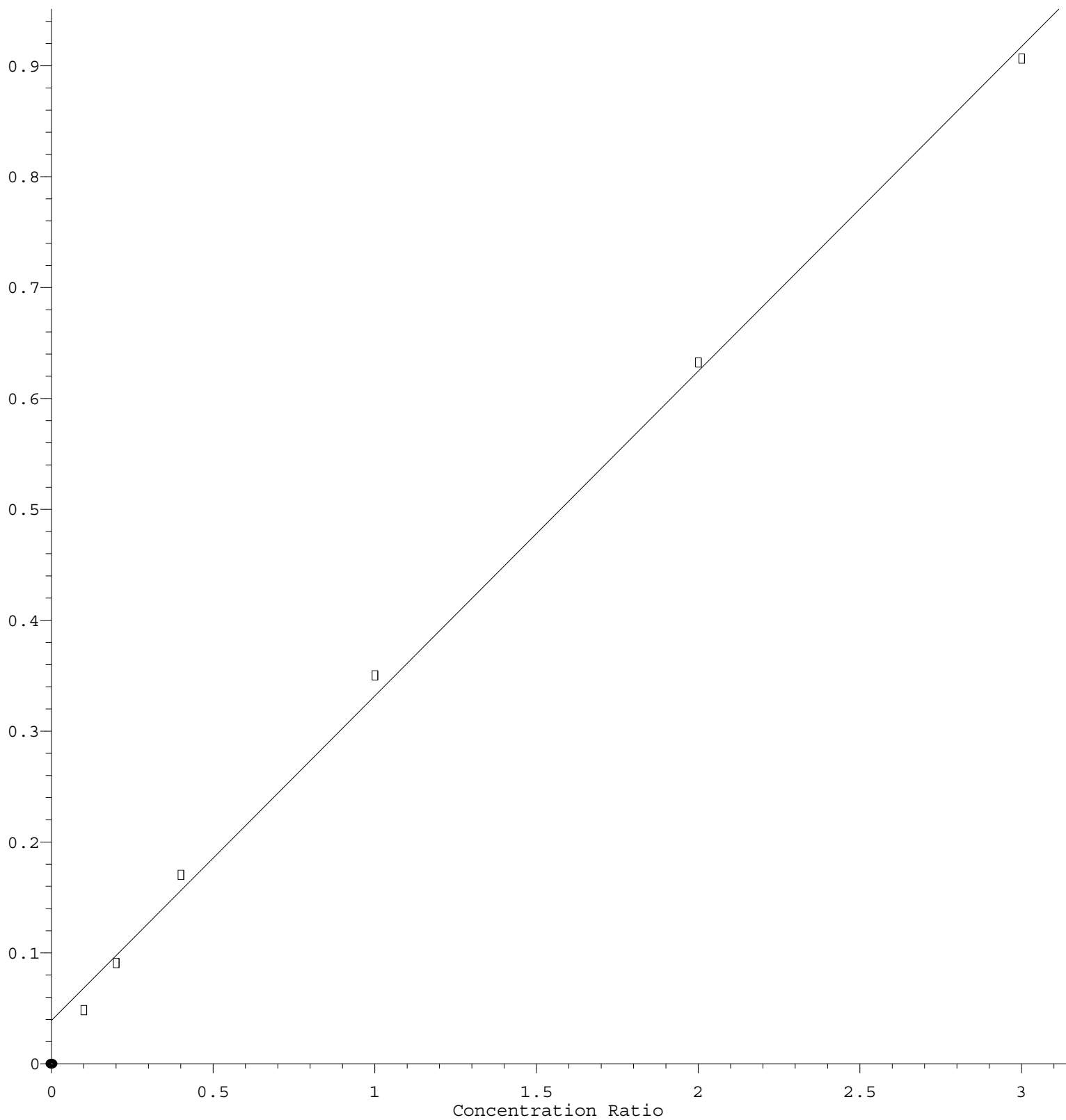
Ethyl methacrylate



Response = $2.916 \times 10^{-1} \times \text{Amt} - 1.612 \times 10^{-2}$
Coef of Det (r^2) = 0.999147 Curve Fit: Linear
Method Name: Z:\voasrv\HPCHEM1\MSVOA D\Method\82D111122S.M
Calibration Table Last Updated: Mon Nov 14 00:51:58 2022

1,2-Dichloroethane-d4

Response Ratio



$$\text{Response} = 2.929\text{e-}001 * \text{Amt} + 3.937\text{e-}002$$

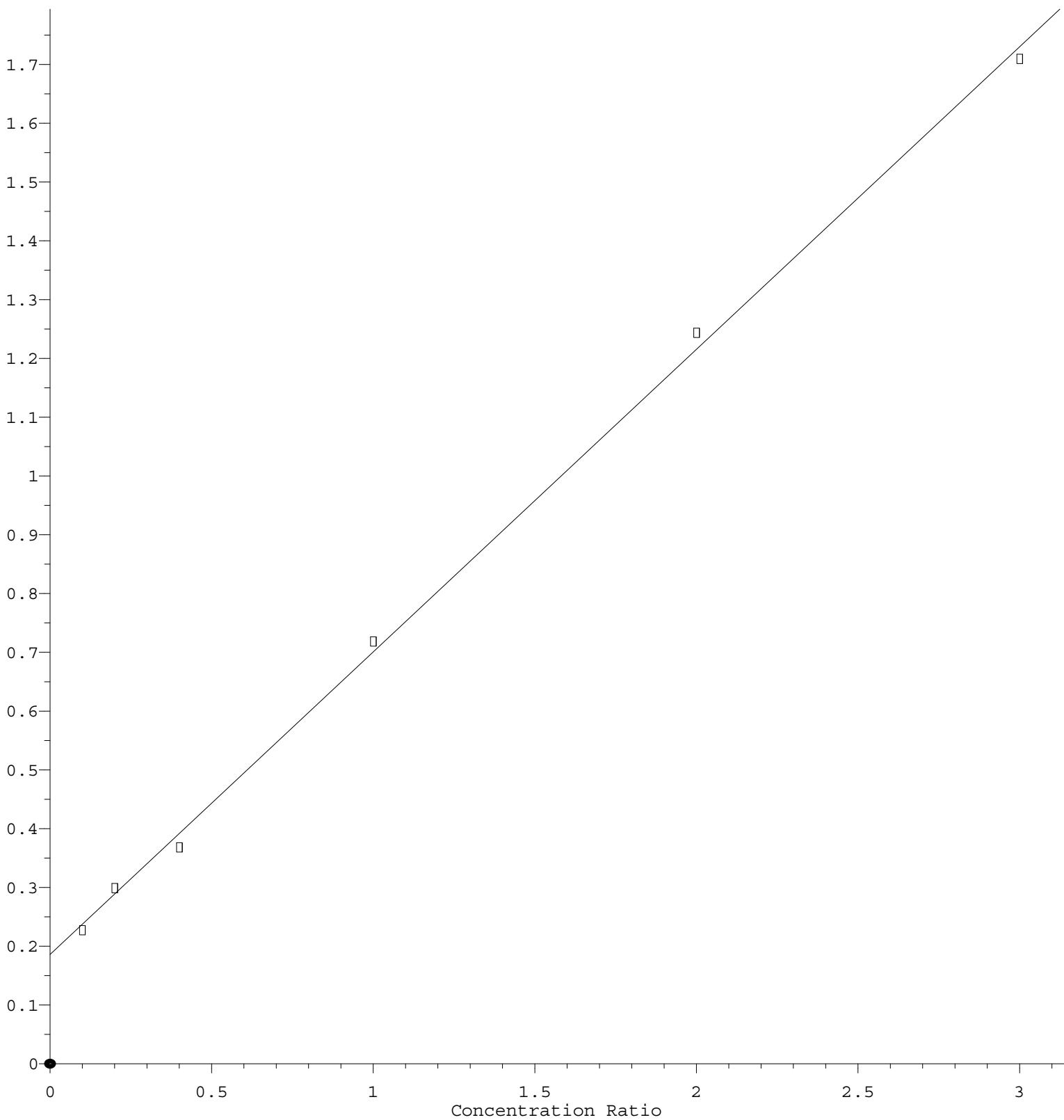
Coef of Det (r^2) = 0.997996 Curve Fit: Linear

Method Name: Z:\voasrv\HPCHEM1\MSVOA D\Method\82D111122S.M

Calibration Table Last Updated: Mon Nov 14 00:51:58 2022

Methylene Chloride

Response Ratio



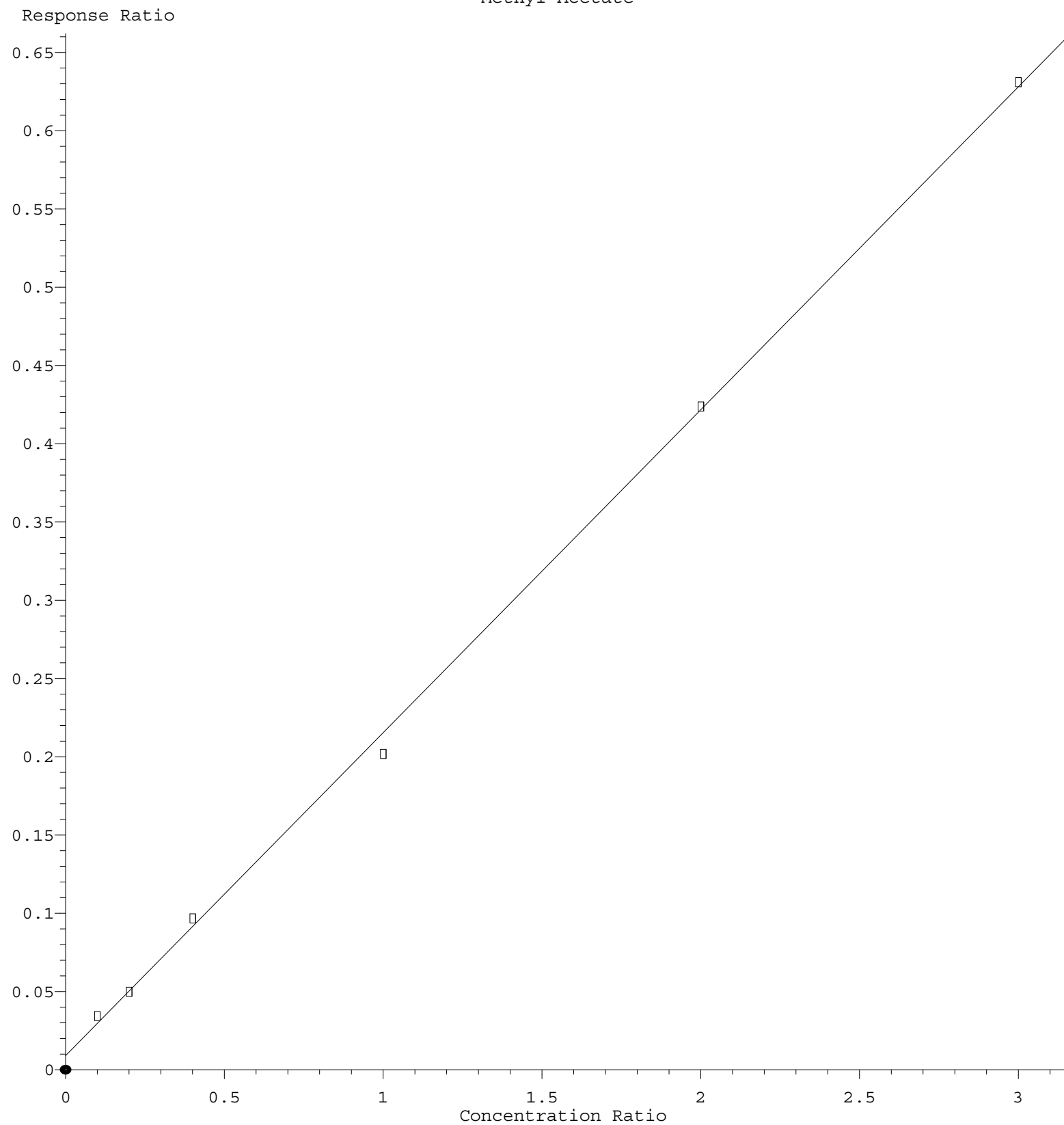
$$\text{Response} = 5.150\text{e-}001 * \text{Amt} + 1.858\text{e-}001$$

Coef of Det (r^2) = 0.998715 Curve Fit: Linear

Method Name: Z:\voasrv\HPCHEM1\MSVOA D\Method\82D111122S.M

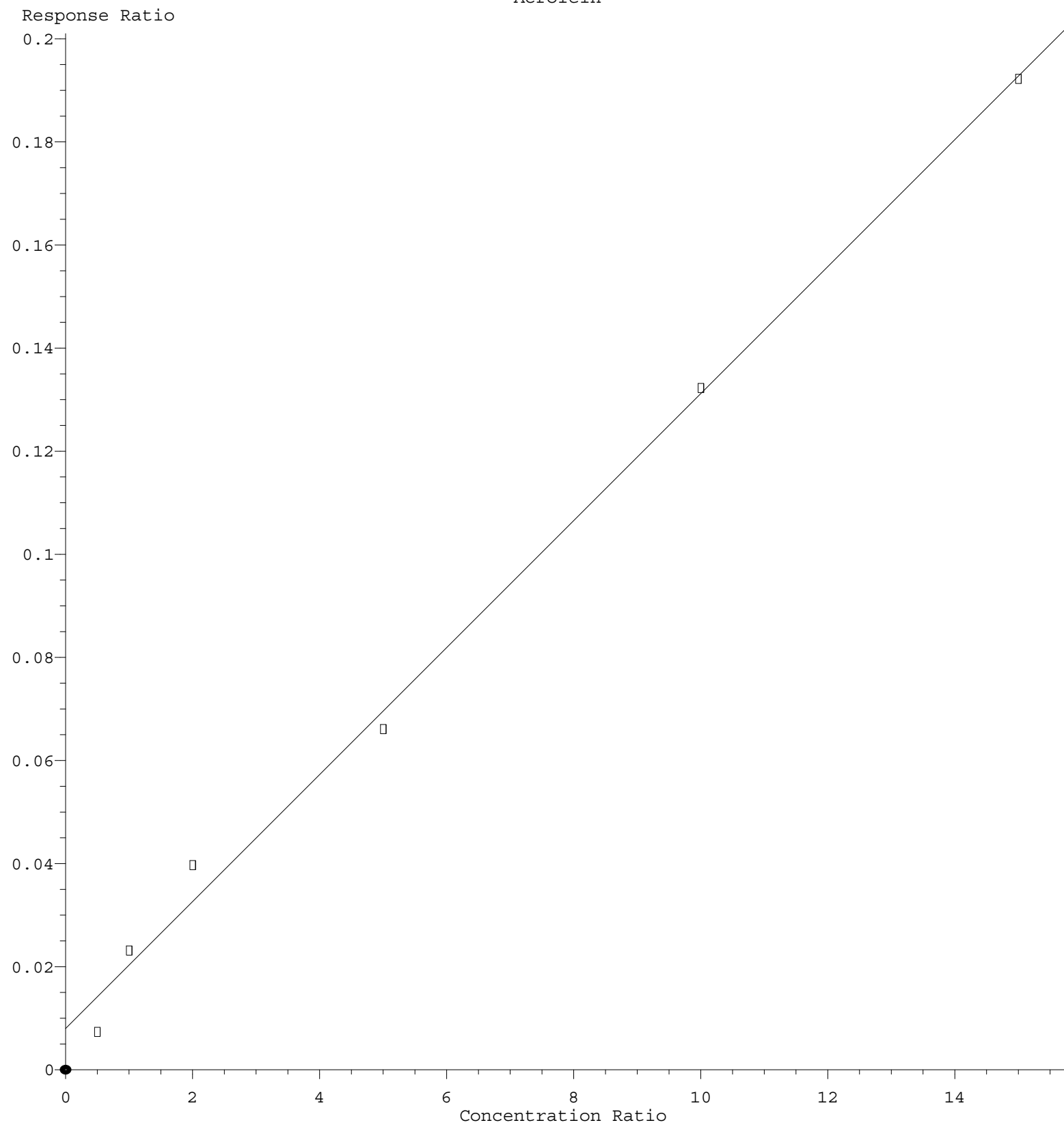
Calibration Table Last Updated: Mon Nov 14 00:51:58 2022

Methyl Acetate



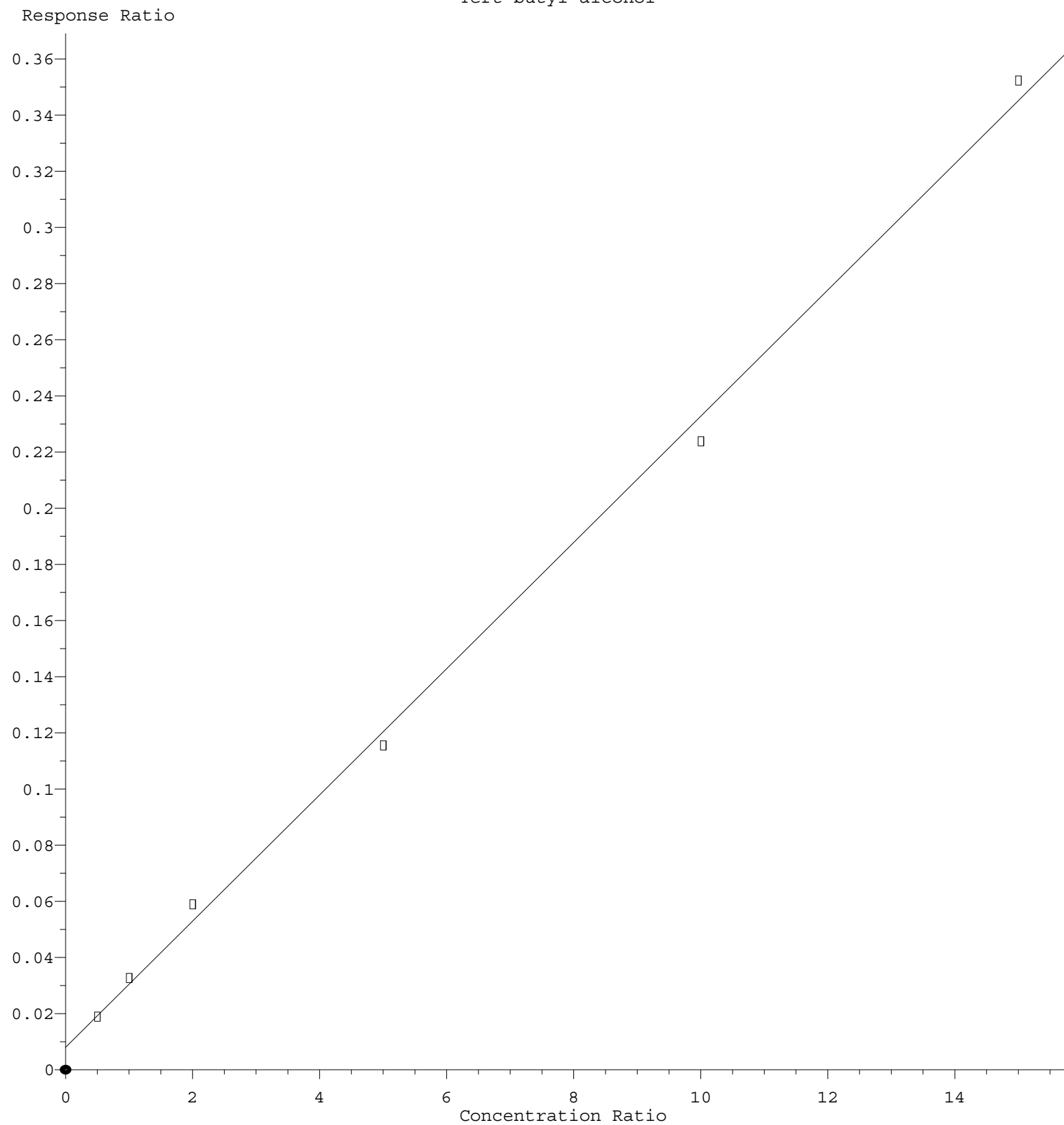
Response = 2.065e-001 * Amt + 8.970e-003
Coef of Det (r^2) = 0.999146 Curve Fit: Linear
Method Name: Z:\voasrv\HPCHEM1\MSVOA D\Method\82D111122S.M
Calibration Table Last Updated: Mon Nov 14 00:51:58 2022

Acrolein



$\text{Response} = 1.231\text{e-}002 * \text{Amt} + 8.073\text{e-}003$
 Coef of Det (r^2) = 0.995387 Curve Fit: Linear
 Method Name: Z:\voasrv\HPCHEM1\MSVOA D\Method\82D111122S.M
 Calibration Table Last Updated: Mon Nov 14 00:51:58 2022

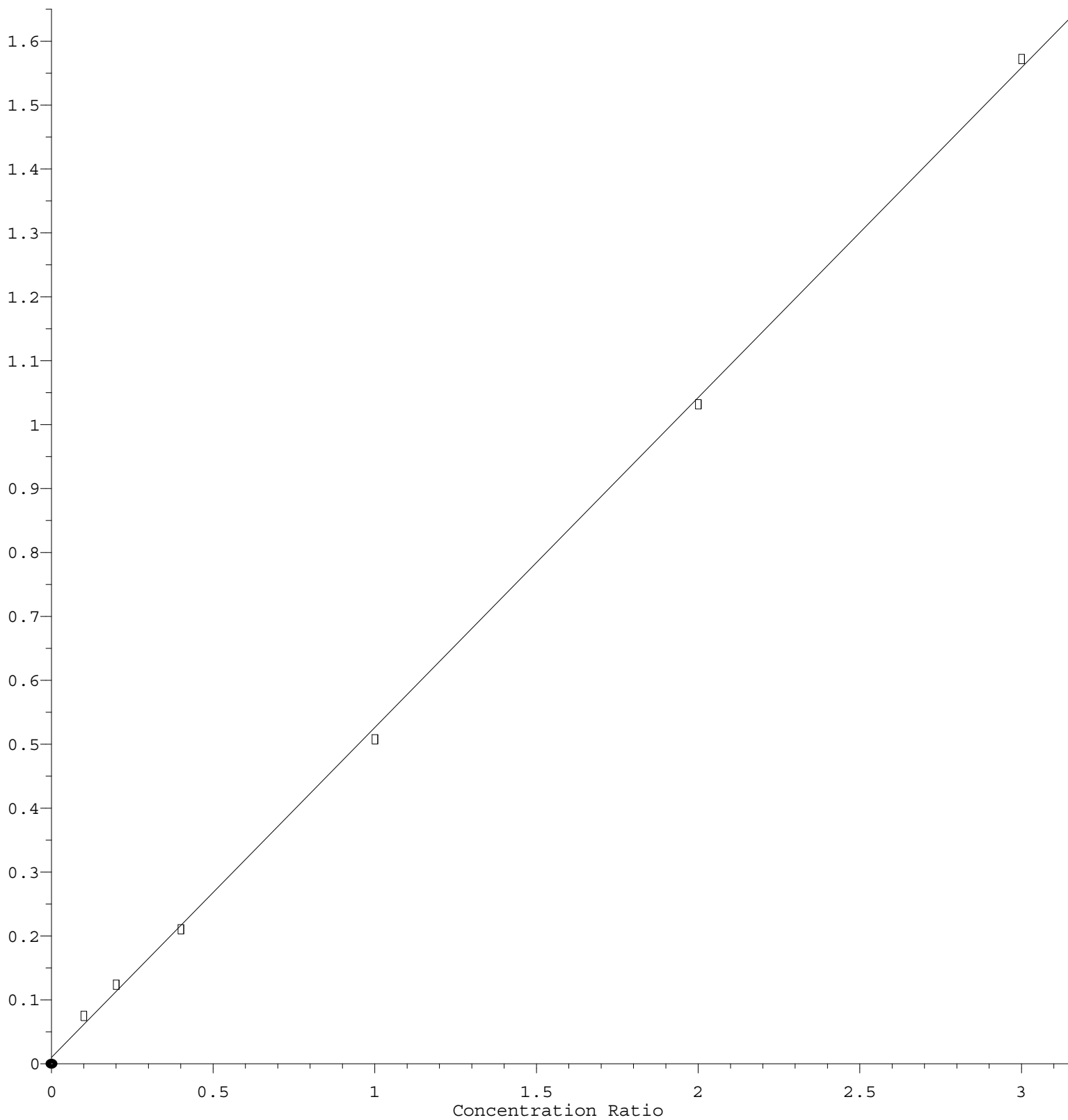
Tert butyl alcohol



Response = $2.248 \times 10^{-2} \times \text{Amt} + 8.155 \times 10^{-3}$
Coef of Det (r^2) = 0.997709 Curve Fit: Linear
Method Name: Z:\voasrv\HPCHEM1\MSVOA D\Method\82D111122S.M
Calibration Table Last Updated: Mon Nov 14 00:51:58 2022

Bromomethane

Response Ratio



$$\text{Response} = 5.161\text{e-}001 * \text{Amt} + 1.039\text{e-}002$$

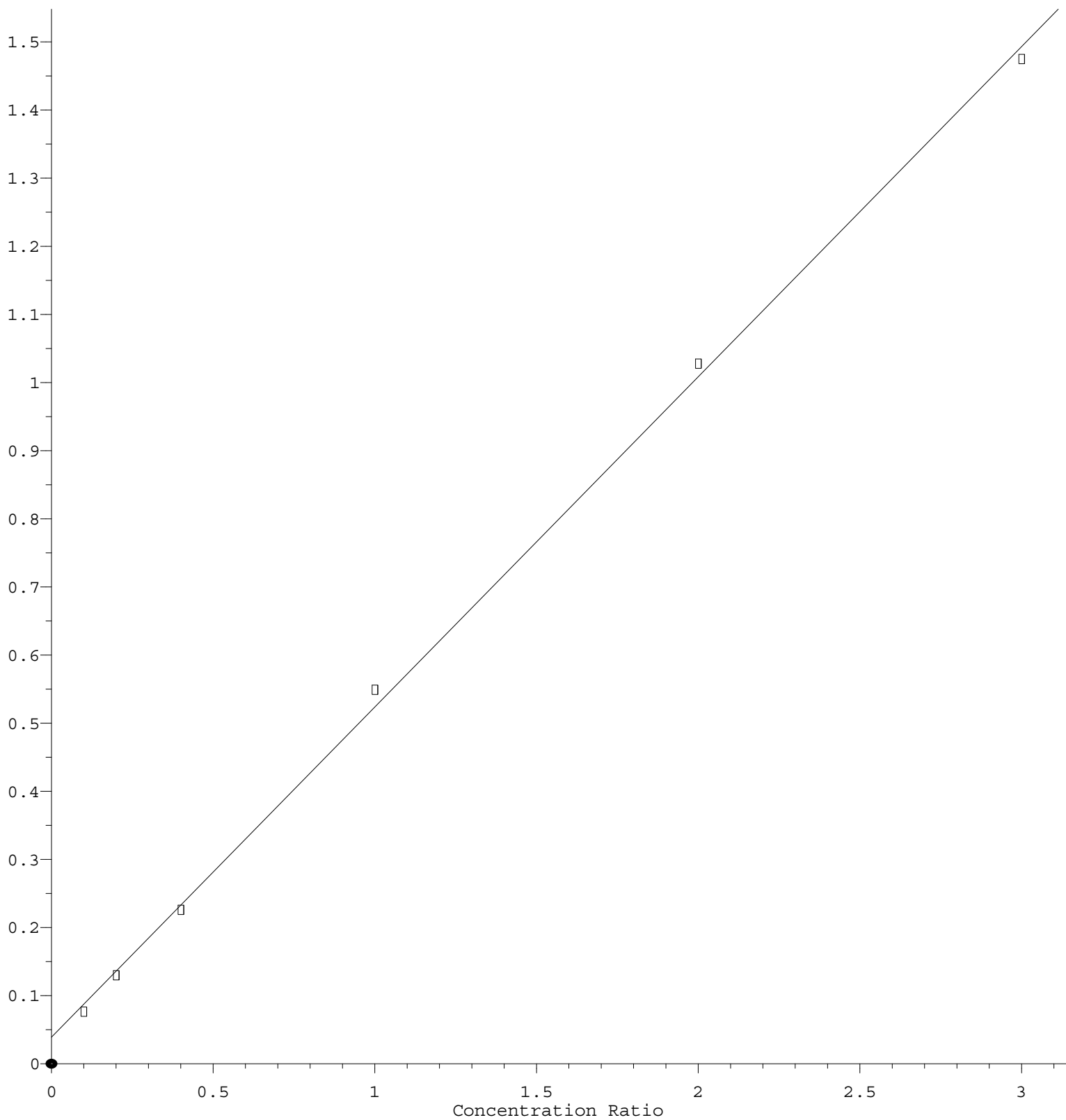
Coef of Det (r^2) = 0.999466 Curve Fit: Linear

Method Name: Z:\voasrv\HPCHEM1\MSVOA D\Method\82D111122S.M

Calibration Table Last Updated: Mon Nov 14 00:51:58 2022

Chloromethane

Response Ratio



$$\text{Response} = 4.849\text{e-}001 * \text{Amt} + 3.920\text{e-}002$$

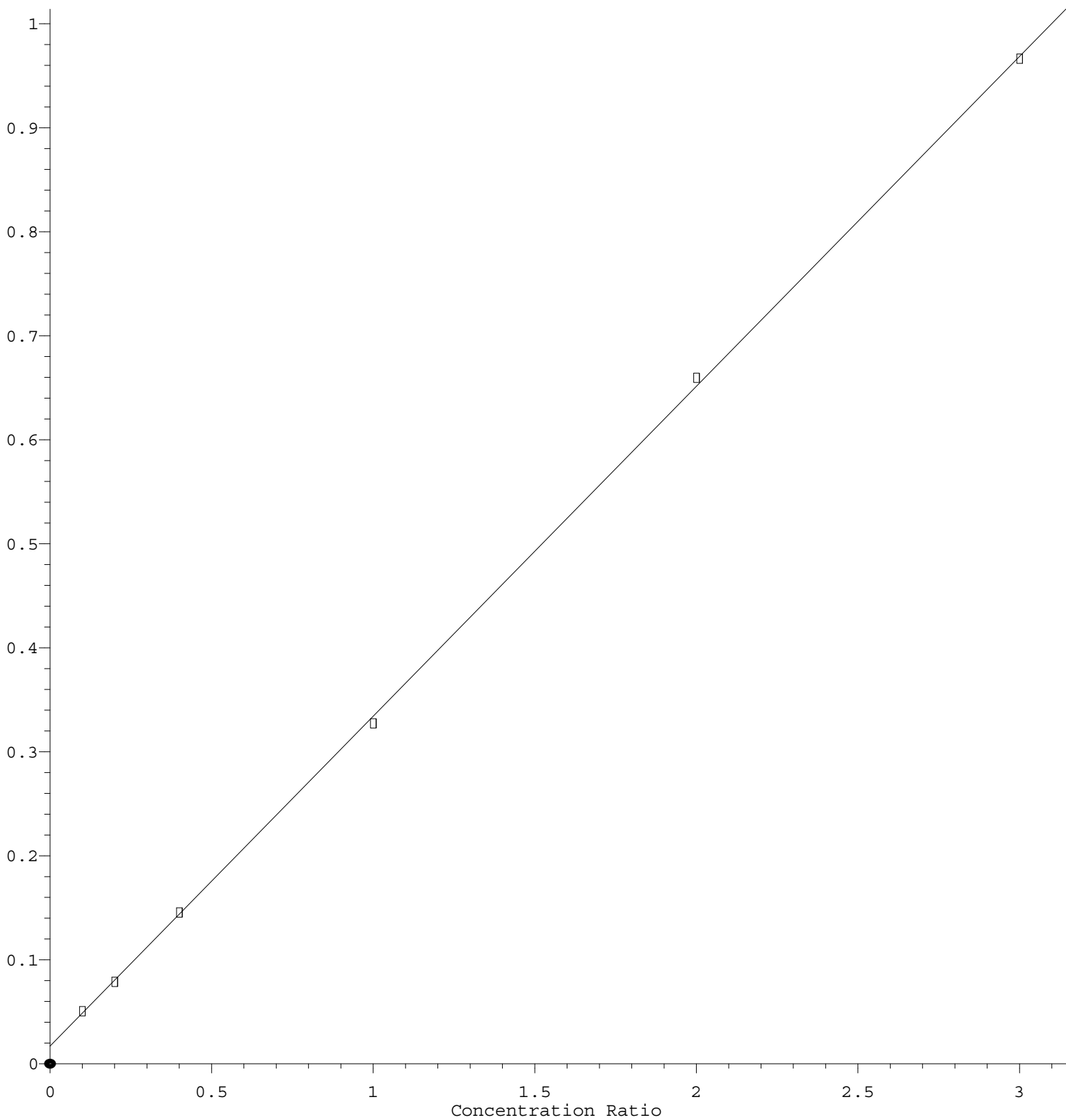
Coef of Det (r^2) = 0.999021 Curve Fit: Linear

Method Name: Z:\voasrv\HPCHEM1\MSVOA D\Method\82D111122S.M

Calibration Table Last Updated: Mon Nov 14 00:51:58 2022

Dichlorodifluoromethane

Response Ratio



$$\text{Response} = 3.176\text{e-}001 * \text{Amt} + 1.667\text{e-}002$$

Coef of Det (r^2) = 0.999812 Curve Fit: Linear

Method Name: Z:\voasrv\HPCHEM1\MSVOA D\Method\82D111122S.M

Calibration Table Last Updated: Mon Nov 14 00:51:58 2022