Response Factor Report MSVOA_U

Method Path : Z:\voasrv\HPCHEM1\MSVOA_U\Method\
Method File : 524U101724DW.M
Title : METHOD 524.2 VOLATILES DRINKING WATER
Last Update : Fri Oct 18 02:52:28 2024
Response Via : Initial Calibration

Calibration Files
0.5 =VU061140.D 1 =VU061141.D 2 =VU061142.D 5 =VU061143.D 10 =VU061144.D 15 =VU061145.D

		Compound	0.5	1	2	5	10	15	Avg	%RSD
1)	i	Fluorobenzene	----------	----------	ISTD	----------	----------	----------		
2)	T	Dichlorodifluo...	0.517	0.506	0.545	0.566	0.589	0.581	0.551	6.19
3)	t	Chloromethane	0.516	0.499	0.530	0.532	0.539	0.528	0.524	2.77
4)	Rt	Vinyl Chloride	0.507	0.491	0.543	0.563	0.573	0.551	0.538	6.01
5)	T	Bromomethane	0.351	0.360	0.345	0.347	0.364	0.262	0.338	11.29
6)	T	Chloroethane	0.372	0.312	0.363	0.366	0.378	0.373	0.361	6.80
7)	T	Trichlorofluor...	0.671	0.679	0.729	0.765	0.804	0.945	0.766	13.23
8)		1,1,2-Trichlor...	0.356	0.345	0.374	0.393	0.414	0.402	0.381	7.05
9)	Rt	1,1-Dichloroet...	0.365	0.355	0.403	0.410	0.431	0.417	0.397	7.61
10)	t	Iodomethane		0.353	0.412	0.476	0.520	0.600	0.472	20.24
11)	t	Allyl Chloride	0.495	0.461	0.502	0.521	0.555	0.532	0.511	6.39
12)	t	Acrylonitrile	0.073	0.073	0.080	0.085	0.084	0.084	0.080	6.92
13)	T	Acetone	0.097	0.098	0.098	0.098	0.119	0.114	0.104	9.31
14)	T	Carbon Disulfide	1.325	1.232	1.386	1.389	1.458	1.412	1.367	5.77
15)	RT	Methylene Chlo...	0.609	0.487	0.484	0.501	0.506	0.493	0.513	9.28
16)	RT	trans-1,2-Dich...	0.443	0.430	0.452	0.479	0.503	0.484	0.465	6.01
17)	t	1,1-Dichloroet...	0.747	0.773	0.837	0.857	0.882	0.855	0.825	6.43
18)	T	2-Butanone	0.123	0.122	0.115	0.124	0.142	0.139	0.127	8.32
19)		Cyclohexane	0.686	0.682	0.741	0.762	0.796	0.767	0.739	6.20
20)		Methylcyclohexane	0.717	0.741	0.824	0.864	0.920	0.878	0.824	9.70
21)	T	2,2-Dichloropr...	0.773	0.684	0.748	0.766	0.813	0.782	0.761	5.71
22)	RT	cis-1,2-Dichlo...	0.464	0.477	0.496	0.530	0.547	0.528	0.507	6.50
23)	t	Diethyl Ether	0.304	0.286	0.309	0.310	0.316	0.325	0.308	4.30
24)	t	tert-Butyl Alc...		0.035	0.028	0.032	0.030	0.036	0.032	9.91
25)	t	Methyl tert-Bu...	1.031	0.979	1.045	1.096	1.127	1.100	1.063	5.15
26)	t	Bromochloromet...	0.203	0.188	0.221	0.220	0.224	0.216	0.212	6.49
27)	t	Chloroform	0.815	0.798	0.864	0.884	0.926	0.903	0.865	5.79
28)	RT	1,1,1-Trichlor...	0.693	0.706	0.766	0.778	0.829	0.805	0.763	7.07
29)	T	1,1-Dichloropr...	0.611	0.628	0.670	0.704	0.734	0.700	0.674	7.02
30)	RT	Carbon Tetrach...	0.620	0.588	0.643	0.684	0.732	0.703	0.662	8.19
31)	t	Isopropyl Ether	1.098	1.065	1.184	1.203	1.268	1.245	1.177	6.86
32)		Ethyl-t-butyl ...	1.157	1.069	1.173	1.272	1.303	1.287	1.210	7.61
33)		Tert-Amyl meth...	0.975	0.969	1.057	1.150	1.180	1.204	1.089	9.52
34)	t	Propionitrile	0.025	0.026	0.032	0.033	0.034	0.033	0.030	13.56
35)	RT	Benzene	1.749	1.713	1.917	1.960	2.053	1.997	1.898	7.24
36)	RT	1,2-Dichloroet...	0.486	0.496	0.537	0.562	0.578	0.557	0.536	6.97
37)	RT	Trichloroethene	0.470	0.461	0.517	0.522	0.547	0.523	0.507	6.63
38)	Rt	1,2-Dichloropr...	0.449	0.432	0.480	0.501	0.524	0.499	0.481	7.23
39)	t	Methacrylonitrile	0.090	0.084	0.110	0.122	0.126	0.124	0.109	16.56
40)	t	Methyl acrylate	0.189	0.188	0.240	0.241	0.232	0.243	0.222	11.85
41)	t	Tetrahydrofuran	0.065	0.066	0.069	0.067	0.066	0.063	0.066	2.79
42)	t	1-Chlorobutane	0.773	0.794	0.844	0.916	0.958	0.904	0.865	8.48
43)	T	Dibromomethane	0.227	0.232	0.250	0.264	0.264	0.258	0.249	6.44
44)	T	Bromodichlorom...	0.559	0.553	0.606	0.625	0.655	0.640	0.606	7.00
45)	T	4-Methyl-2-Pen...	0.237	0.220	0.250	0.259	0.270	0.266	0.250	7.70
46)	t	t-1,4-Dichloro...	0.076	0.097	0.091	0.104	0.117	0.113	0.100	14.96
47)	t	Methyl methacr...	0.208	0.176	0.213	0.226	0.241	0.235	0.217	10.75
48)	t	Ethyl methacry...	0.397	0.396	0.464	0.493	0.508	0.514	0.462	11.65
49)	Rt	Toluene	1.091	1.051	1.211	1.246	1.318	1.278	1.199	8.85
50)	T	t-1,3-Dichloro...	0.555	0.499	0.559	0.600	0.651	0.643	0.584	10.00
51)	T	cis-1,3-Dichlo...	0.645	0.640	0.694	0.752	0.801	0.772	0.717	9.43
52)	RT	1,1,2-Trichlor...	0.307	0.307	0.338	0.355	0.358	0.353	0.336	7.01
53)	t	1,3-Dichloropr...	0.546	0.537	0.598	0.608	0.636	0.617	0.591	6.75
54)	t	2-Hexanone	0.194	0.183	0.196	0.204	0.232	0.224	0.206	9.28
55)	t	Dibromochlorom...	0.352	0.342	0.384	0.418	0.441	0.444	0.397	11.17
56)	T	1,2-Dibromoethane	0.280	0.300	0.327	0.338	0.350	0.341	0.323	8.39
57)	S	4-Bromofluorob...	0.501	0.499	0.539	0.541	0.558	0.551	0.531	4.77

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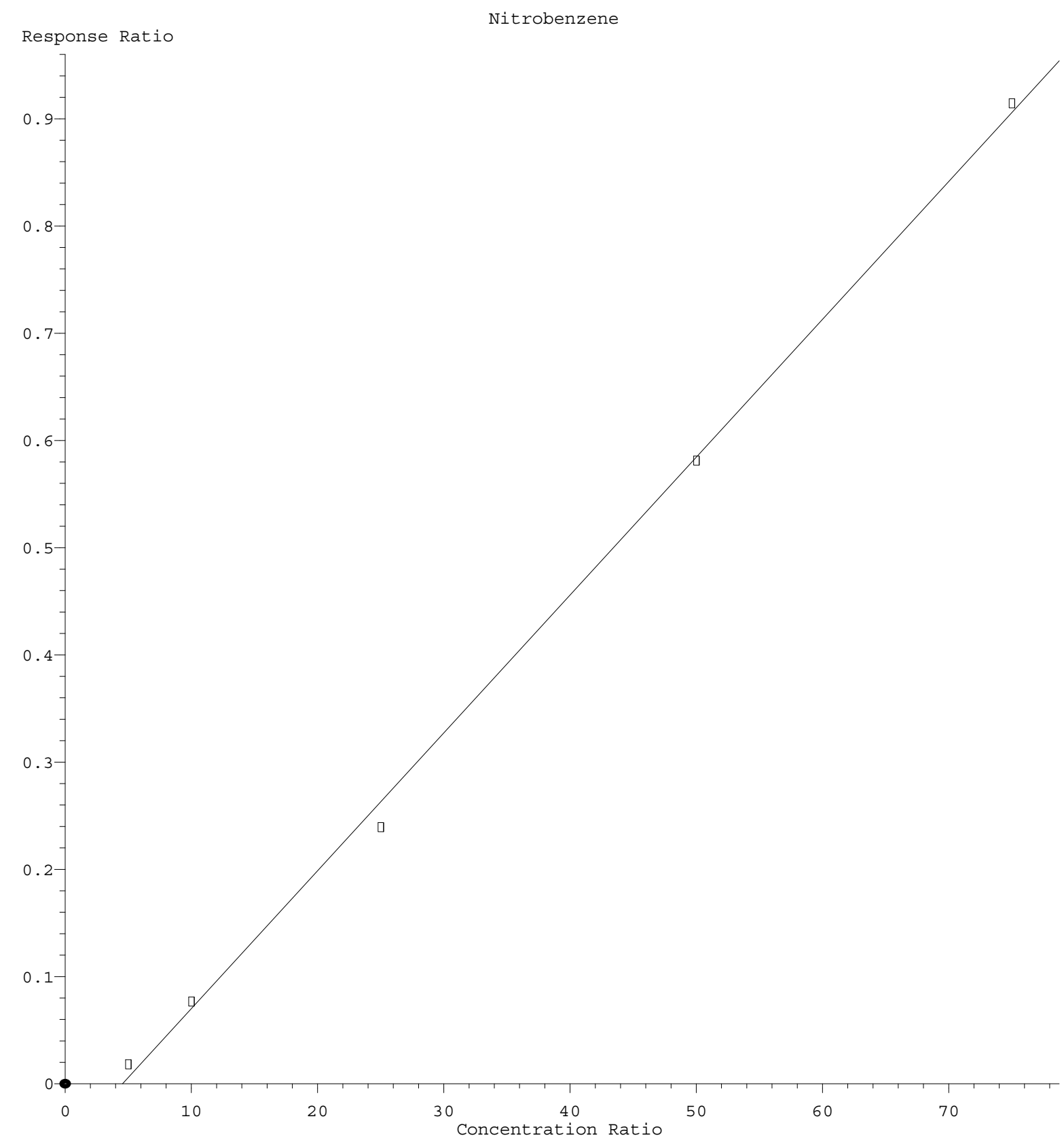
58)	RT	Tetrachloroethene	0.389	0.395	0.431	0.449	0.464	0.449	0.430	7.21
59)	Rt	Chlorobenzene	1.218	1.129	1.286	1.326	1.413	1.378	1.292	8.14
60)	T	1,1,1,2-Tetrac...	0.386	0.400	0.424	0.454	0.476	0.476	0.436	8.87
61)	t	Pentachloroethane	0.276	0.284	0.324	0.346	0.379	0.392	0.333	14.35
62)	t	Hexachloroethane	0.284	0.287	0.325	0.352	0.395	0.417	0.344	16.06
63)	Rt	Ethyl Benzene	2.141	2.042	2.273	2.407	2.544	2.478	2.314	8.52
64)	RT	m/p-Xylenes	0.802	0.765	0.867	0.912	0.983	0.956	0.881	9.77
65)	RT	o-Xylene	0.790	0.760	0.859	0.897	0.959	0.940	0.867	9.26
66)	RT	Styrene	1.129	1.145	1.324	1.423	1.524	1.551	1.349	13.55
67)	t	Bromoform	0.179	0.170	0.201	0.218	0.237	0.242	0.208	14.32
68)	S	1,2-Dichlorobe...	0.483	0.495	0.534	0.535	0.552	0.542	0.524	5.32
69)	T	Isopropylbenzene	1.907	1.778	2.008	2.144	2.290	2.254	2.064	9.77
70)	T	1,1,2,2-Tetrac...	0.384	0.365	0.397	0.425	0.438	0.441	0.408	7.61
71)	T	1,2,3-Trichlor...	0.349	0.326	0.327	0.304	0.350	0.340	0.333	5.25
72)	t	Bromobenzene	0.464	0.444	0.479	0.512	0.542	0.536	0.496	8.00
73)	t	n-propylbenzene	0.535	0.508	0.583	0.625	0.683	0.679	0.602	12.13
74)	t	2-Chlorotoluene	0.472	0.441	0.506	0.546	0.579	0.581	0.521	11.12
75)	t	1,3,5-Trimethy...	1.644	1.585	1.805	1.944	2.092	2.095	1.861	11.81
76)	t	4-Chlorotoluene	0.485	0.441	0.518	0.545	0.593	0.594	0.529	11.44
77)	t	tert-Butylbenzene	1.629	1.579	1.796	1.894	2.067	2.070	1.839	11.46
78)	t	1,2,4-Trimethy...	1.700	1.612	1.796	1.940	2.119	2.103	1.878	11.21
79)	t	sec-Butylbenzene	2.105	2.006	2.336	2.496	2.717	2.711	2.395	12.56
80)		Nitrobenzene		0.004	0.008	0.010	0.012	0.012	0.009	38.74
81)	t	p-Isopropyltol...	1.732	1.687	1.926	2.058	2.242	2.253	1.983	12.35
82)	t	1,3-Dichlorobe...	0.858	0.801	0.937	0.983	1.068	1.065	0.952	11.40
83)	Rt	1,4-Dichlorobe...	0.843	0.794	0.936	0.988	1.071	1.063	0.949	11.98
84)	t	n-Butylbenzene	1.599	1.496	1.755	1.915	2.138	2.135	1.840	14.70
85)	Rt	1,2-Dichlorobe...	0.811	0.779	0.872	0.907	0.983	0.988	0.890	9.71
86)	t	1,2-Dibromo-3-...	0.046	0.054	0.056	0.065	0.073	0.069	0.061	16.45
87)	Rt	1,2,4-Trichlor...	0.414	0.428	0.471	0.539	0.602	0.599	0.509	16.36
88)	t	Hexachlorobuta...	0.248	0.252	0.281	0.298	0.326	0.322	0.288	11.69
89)	t	Naphthalene	0.806	0.737	0.800	0.924	1.039	1.084	0.898	15.68
90)	t	1,2,3-Trichlor...	0.382	0.408	0.420	0.470	0.534	0.530	0.457	14.15

(#) = Out of Range



Response = 1.286e-002 * Amt - 5.832e-002
Coef of Det (r^2) = 0.998520 Curve Fit: Linear
Method Name: Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U101724DW.M
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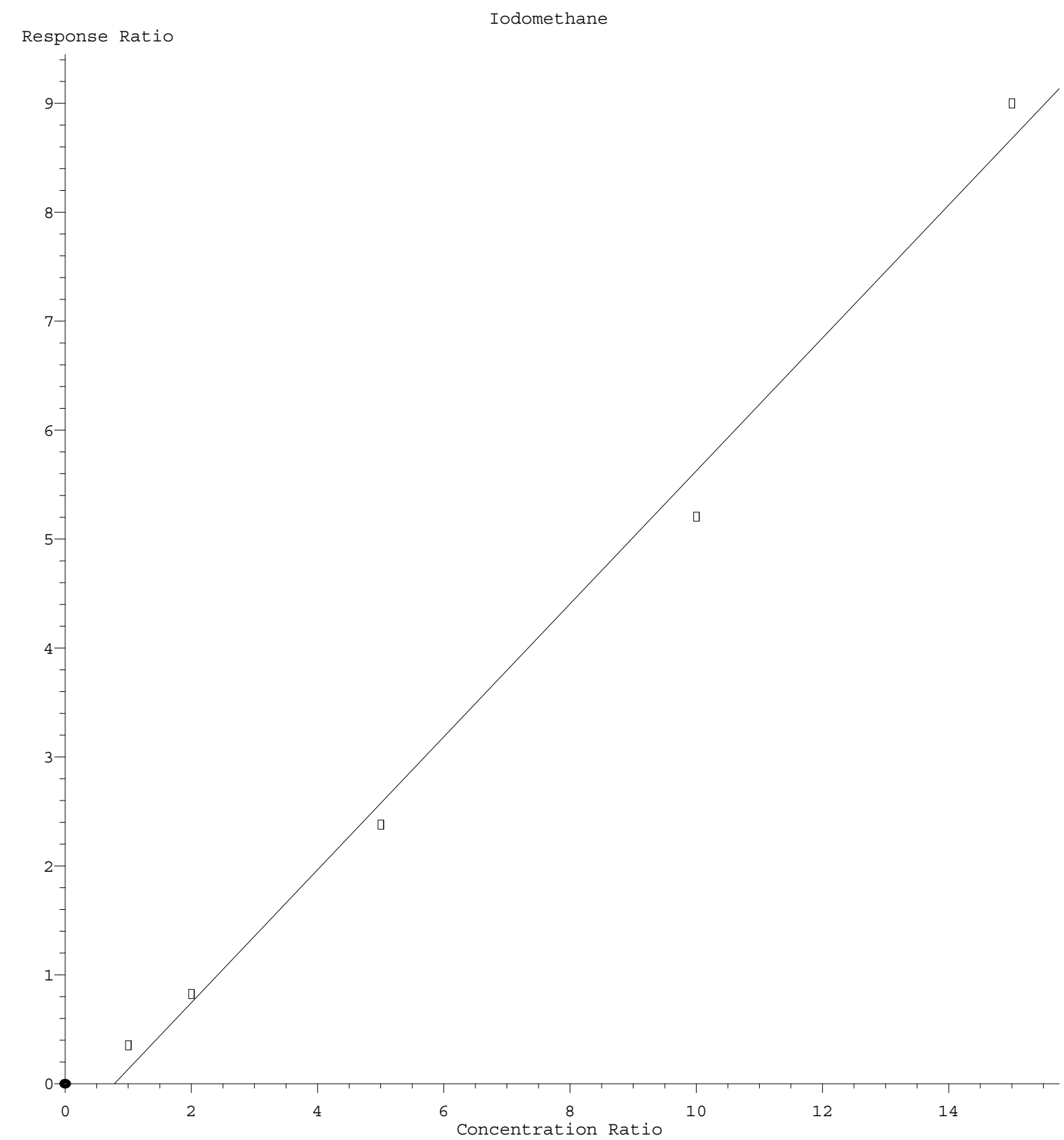

Response = 6.101e-001 * Amt - 4.753e-001
Coef of Det (r^2) = 0.992747 Curve Fit: Linear
Method Name: Z:\voasrv\HPCHEM1\MSVOA U\Method\524U101724DW.M
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