Response Factor Report GCVOA_Y

Method Path : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\
Method File : 82Y101823S.M
Title : SW846 8260
Last Update : Thu Oct 19 03:15:44 2023
Response Via : Initial Calibration

Calibration Files
5 =VY016014.D 10 =VY016015.D 20 =VY016016.D 50 =VY016017.D 100 =VY016018.D 150 =VY016019.D

		Compound	5	10	20	50	100	150	Avg	%RSD
1)	I	Pentafluorobenzene	----------ISTD----------							
2)	T	Dichlorodifluo...	0.435	0.397	0.404	0.420	0.409	0.414	0.413	3.21
3)	P	Chloromethane	0.537	0.534	0.535	0.531	0.491	0.503	0.522	3.75
4)	C	Vinyl Chloride	0.610	0.588	0.601	0.587	0.558	0.569	0.586	3.33#
5)	T	Bromomethane	0.461	0.439	0.438	0.430	0.368		0.427	8.24
6)	T	Chloroethane	0.399	0.398	0.401	0.390	0.373	0.299	0.377	10.45
7)	T	Trichlorofluor...	0.935	0.903	0.901	0.867	0.863	0.878	0.891	3.05
8)	T	Diethyl Ether	0.310	0.312	0.318	0.309	0.311	0.329	0.315	2.39
9)	T	1,1,2-Trichlor...	0.534	0.514	0.512	0.498	0.500	0.518	0.513	2.57
10)	T	Methyl Iodide	0.651	0.661	0.682	0.682	0.672	0.668	0.669	1.85
11)	T	Tert butyl alc...	0.087	0.094	0.085	0.081	0.079	0.100	0.088	8.89
12)	CM	1,1-Dichloroet...	0.495	0.468	0.482	0.472	0.474	0.487	0.480	2.16#
13)	T	Acrolein	0.108	0.071	0.068	0.064	0.066	0.075	0.076	21.59
14)	T	Allyl chloride	0.732	0.741	0.756	0.741	0.750	0.781	0.750	2.29
15)	T	Acrylonitrile	0.166	0.190	0.170	0.190	0.191	0.221	0.188	10.48
16)	T	Acetone	0.189	0.209	0.184	0.216	0.219	0.247	0.211	10.84
17)	T	Carbon Disulfide	1.431	1.395	1.410	1.384	1.392	1.419	1.405	1.27
18)	T	Methyl Acetate	0.635	0.722	0.641	0.752	0.735	0.866	0.725	11.69
19)	T	Methyl tert-bu...	1.421	1.530	1.521	1.569	1.571	1.671	1.547	5.26
20)	T	Methylene Chlo...	0.768	0.669	0.631	0.560	0.566	0.560	0.626	13.26
21)	T	trans-1,2-Dich...	0.566	0.556	0.560	0.554	0.552	0.563	0.559	0.97
22)	T	Diisopropyl ether	1.532	1.613	1.657	1.671	1.641	1.685	1.633	3.40
23)	T	Vinyl Acetate	0.901	0.979	0.982	1.042	1.047	1.126	1.013	7.58
24)	P	1,1-Dichloroet...	0.996	0.955	0.993	0.957	0.945	0.968	0.969	2.17
25)	T	2-Butanone	0.254	0.291	0.255	0.292	0.296	0.344	0.289	11.49
26)	T	2,2-Dichloropr...	0.887	0.881	0.878	0.839	0.868	0.877	0.872	1.96
27)	T	cis-1,2-Dichlo...	0.653	0.633	0.657	0.639	0.632	0.646	0.643	1.63
28)	T	Bromochloromet...	0.363	0.423	0.422	0.438	0.418	0.422	0.414	6.25
29)	T	Tetrahydrofuran	0.144	0.174	0.153	0.182	0.180	0.215	0.175	14.20
30)	C	Chloroform	1.053	1.054	1.062	1.032	1.002	1.031	1.039	2.11#
31)	T	Cyclohexane	1.012	0.892	0.884	0.845	0.849	0.855	0.889	7.09
32)	T	1,1,1-Trichlor...	0.945	0.917	0.943	0.927	0.913	0.933	0.930	1.42
33)	S	1,2-Dichloroet...	0.606	0.633	0.575	0.522	0.529	0.545	0.568	7.82
34)	I	1,4-Difluorobenzene	----------ISTD----------							
35)	S	Dibromofluorom...	0.362	0.348	0.333	0.302	0.316	0.313	0.329	6.96
36)	T	1,1-Dichloropr...	0.520	0.486	0.491	0.486	0.496	0.492	0.495	2.60
37)	T	Ethyl Acetate	0.304	0.357	0.316	0.355	0.372	0.437	0.357	13.25
38)	T	Carbon Tetrach...	0.543	0.524	0.522	0.513	0.527	0.528	0.526	1.88
39)	T	Methylcyclohexane	0.619	0.592	0.620	0.607	0.635	0.640	0.619	2.84
40)	TM	Benzene	1.433	1.373	1.415	1.374	1.388	1.389	1.396	1.72
41)	T	Methacrylonitrile	0.159	0.207	0.171	0.195	0.184	0.194	0.185	9.50
42)	TM	1,2-Dichloroet...	0.452	0.457	0.447	0.444	0.445	0.453	0.450	1.17
43)	T	Isopropyl Acetate	0.557	0.594	0.566	0.638	0.657	0.732	0.624	10.57
44)	TM	Trichloroethene	0.406	0.384	0.393	0.379	0.389	0.396	0.391	2.42
45)	C	1,2-Dichloropr...	0.346	0.348	0.355	0.342	0.352	0.353	0.349	1.38#
46)	T	Dibromomethane	0.223	0.235	0.224	0.232	0.233	0.243	0.232	3.19
47)	T	Bromodichlorom...	0.499	0.507	0.512	0.505	0.508	0.518	0.508	1.25
48)	T	Methyl methacr...	0.252	0.268	0.252	0.293	0.302	0.336	0.284	11.50
49)	T	1,4-Dioxane	0.003	0.004	0.003	0.004	0.004		0.004	12.67
50)	S	Toluene-d8	1.294	1.275	1.213	1.097	1.156	1.136	1.195	6.60
51)	T	4-Methyl-2-Pen...	0.312	0.353	0.322	0.369	0.371	0.427	0.359	11.48
52)	CM	Toluene	0.897	0.893	0.919	0.910	0.908	0.904	0.905	1.02#
53)	T	t-1,3-Dichloro...	0.514	0.535	0.538	0.558	0.574	0.585	0.550	4.81
54)	T	cis-1,3-Dichlo...	0.590	0.582	0.595	0.601	0.613	0.620	0.600	2.36
55)	T	1,1,2-Trichlor...	0.307	0.316	0.316	0.319	0.323	0.331	0.319	2.51
56)	T	Ethyl methacry...	0.399	0.435	0.438	0.486	0.500	0.536	0.466	10.83

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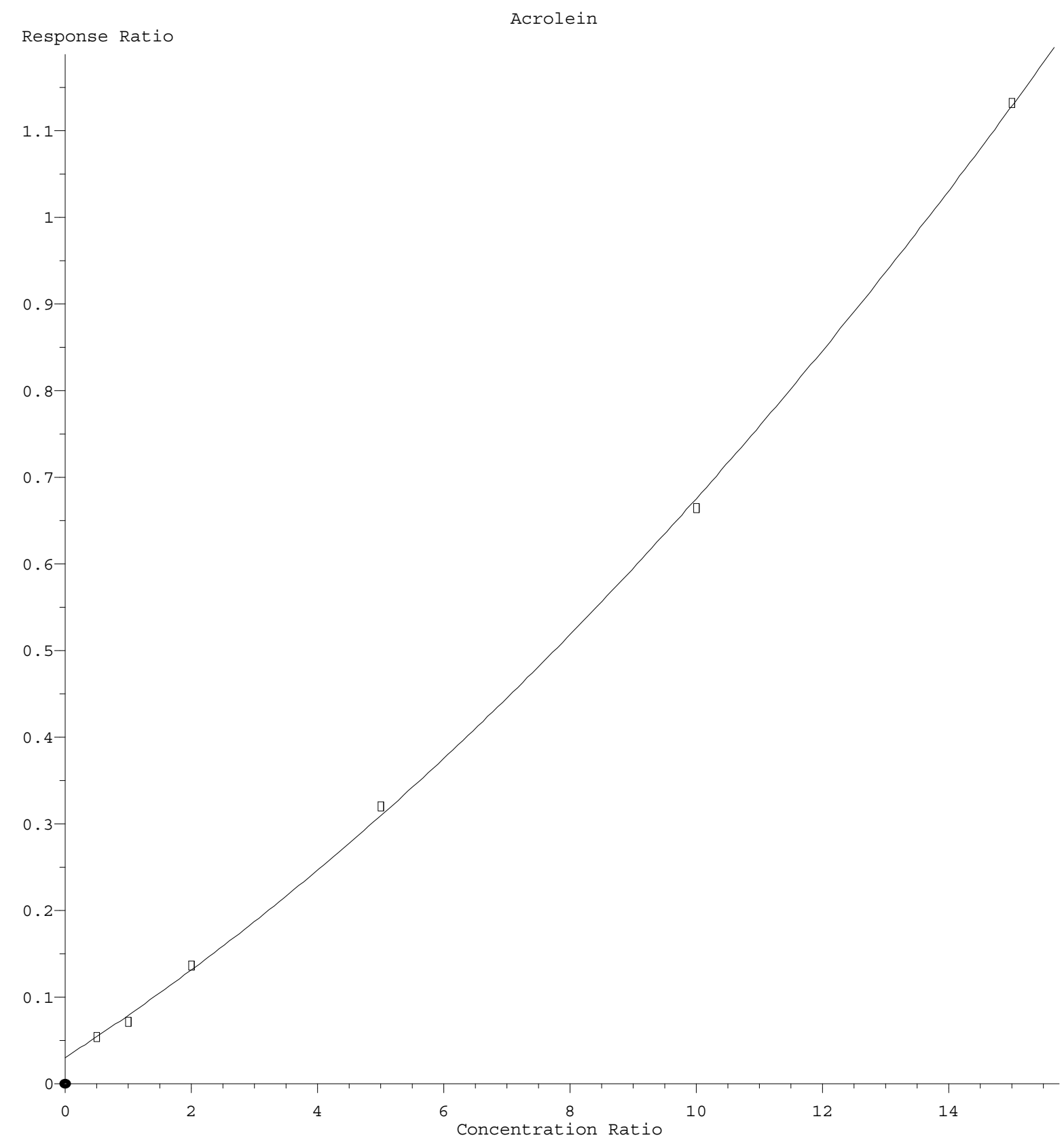
Method File : 82Y101823S.M

57)	T	1,3-Dichloropr...	0.518	0.543	0.529	0.543	0.545	0.564	0.540	2.93
58)	T	2-Chloroethyl ...	0.185	0.230	0.215	0.229	0.234	0.248	0.224	9.76
59)	T	2-Hexanone	0.229	0.268	0.240	0.283	0.287	0.331	0.273	13.43
60)	T	Dibromochlorom...	0.369	0.380	0.382	0.385	0.391	0.404	0.385	3.08
61)	T	1,2-Dibromoethane	0.309	0.323	0.312	0.326	0.328	0.348	0.324	4.27
62)	S	4-Bromofluorob...	0.462	0.452	0.435	0.396	0.412	0.402	0.426	6.39
63)	I	Chlorobenzene-d5	----------ISTD----------							
64)	T	Tetrachloroethene	0.399	0.390	0.383	0.375	0.380	0.399	0.388	2.54
65)	PM	Chlorobenzene	1.110	1.084	1.086	1.070	1.070	1.077	1.083	1.36
66)	T	1,1,1,2-Tetrac...	0.420	0.406	0.408	0.400	0.404	0.411	0.408	1.70
67)	C	Ethyl Benzene	1.926	1.863	1.934	1.908	1.927	1.940	1.916	1.46#
68)	T	m/p-Xylenes	0.743	0.735	0.762	0.746	0.748	0.750	0.747	1.18
69)	T	o-Xylene	0.700	0.695	0.720	0.710	0.718	0.722	0.711	1.58
70)	T	Styrene	1.170	1.175	1.233	1.212	1.235	1.245	1.211	2.65
71)	P	Bromoform	0.266	0.276	0.274	0.293	0.296	0.318	0.287	6.54
72)	I	1,4-Dichlorobenzen...	----------ISTD----------							
73)	T	Isopropylbenzene	3.815	3.585	3.725	3.682	3.795	3.839	3.740	2.57
74)	T	N-amyl acetate	1.001	1.088	1.090	1.208	1.284	1.419	1.181	12.97
75)	P	1,1,2,2-Tetrac...	0.906	0.912	0.877	0.923	0.957	1.045	0.937	6.29
76)	T	1,2,3-Trichlor...	0.682	0.692	0.644	0.710	0.731	0.788	0.708	6.92
77)	T	Bromobenzene	0.933	0.895	0.895	0.891	0.905	0.927	0.908	1.97
78)	T	n-propylbenzene	4.584	4.288	4.592	4.449	4.567	4.549	4.505	2.63
79)	T	2-Chlorotoluene	2.587	2.422	2.559	2.493	2.546	2.564	2.529	2.41
80)	T	1,3,5-Trimethy...	3.106	3.000	3.157	3.074	3.129	3.122	3.098	1.78
81)	T	trans-1,4-Dich...	0.283	0.299	0.287	0.327	0.353	0.396	0.324	13.59
82)	T	4-Chlorotoluene	2.628	2.571	2.691	2.628	2.658	2.658	2.639	1.55
83)	T	tert-Butylbenzene	2.760	2.577	2.757	2.706	2.767	2.732	2.717	2.65
84)	T	1,2,4-Trimethy...	3.066	2.972	3.135	3.086	3.104	3.096	3.076	1.82
85)	T	sec-Butylbenzene	4.119	3.885	4.163	4.049	4.096	4.030	4.057	2.39
86)	T	p-Isopropyltol...	3.402	3.245	3.468	3.409	3.450	3.368	3.390	2.35
87)	T	1,3-Dichlorobe...	1.806	1.710	1.789	1.747	1.772	1.774	1.766	1.91
88)	T	1,4-Dichlorobe...	1.831	1.767	1.813	1.747	1.758	1.754	1.778	1.97
89)	T	n-Butylbenzene	3.181	3.036	3.237	3.162	3.206	3.117	3.156	2.27
90)	T	Hexachloroethane	0.655	0.624	0.654	0.639	0.657	0.649	0.646	1.97
91)	T	1,2-Dichlorobe...	1.669	1.595	1.635	1.604	1.611	1.617	1.622	1.66
92)	T	1,2-Dibromo-3-...	0.175	0.175	0.163	0.172	0.178	0.206	0.178	8.19
93)	T	1,2,4-Trichlor...	1.037	1.023	1.015	1.030	1.052	1.042	1.033	1.29
94)	T	Hexachlorobuta...	0.598	0.578	0.579	0.546	0.545	0.521	0.561	5.10
95)	T	Naphthalene	2.406	2.418	2.279	2.572	2.666	2.874	2.536	8.45
96)	T	1,2,3-Trichlor...	0.935	0.944	0.912	0.947	0.966	0.957	0.944	2.00

(#) = Out of Range



R = 1.739e-003 A*A + 4.711e-002 A + 3.035e-002
Coef of Det (r^2) = 0.999634 Curve Fit: Quadratic
Method Name: Z:\voasrv\HPCHEM1\MSVOA Y\methods\82Y101823S.M
Calibration Table Last Updated: Thu Oct 19 03:15:44 2023