

Method Path : Z:\voasrv\HPCHEM1\MSVOA_X\Method\
 Method File : 624X080224W.M
 Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 Last Update : Fri Aug 02 21:32:14 2024
 Response Via : Initial Calibration

Calibration Files

5 =VX042837.D 20 =VX042838.D 50 =VX042839.D 100 =VX042843.D 150 =VX042841.D

Compound		5	20	50	100	150	Avg	%RSD

1) I	Bromochloromethane	-----ISTD-----						
2) M	Dichlorodifluoro...	2.442	1.986	2.048	2.286	2.112	2.175	8.58
3) M	Chloromethane	1.609	1.353	1.362	1.609	1.505	1.488	8.49
4) M	Vinyl Chloride	1.659	1.356	1.443	1.607	1.558	1.525	8.10
5) M	Bromomethane	1.017	1.028	0.958	0.627	0.626	0.851	24.30
6) M	Chloroethane	1.018	0.961	0.952	0.864	0.744	0.908	11.80
7) M	Trichlorofluorom...	3.010	2.581	2.674	2.874	2.788	2.785	6.02
8) T	Diethyl Ether	0.986	0.975	1.026	1.130	1.015	1.026	5.97
9)	1,1,2-Trichlorot...	2.217	1.853	1.956	2.206	2.011	2.049	7.77
10) M	1,1-Dichloroethene	1.954	1.677	1.789	1.858	1.838	1.823	5.55
11)	Methyl Iodide	1.575	1.603	1.877	2.005	1.988	1.810	11.47
12)	Methyl Acetate	2.447	3.638	3.659	4.033	3.730	3.502	17.43
13) M	Acrolein	0.211	0.104	0.107	0.119	0.115	0.131	34.16
14) M	Acrylonitrile	1.174	1.129	1.161	1.315	1.214	1.199	6.00
15) M	Acetone	0.588	0.348	0.350	0.420	0.349	0.411	25.14
16) M	Carbon Disulfide	4.355	3.210	3.636	4.053	3.873	3.825	11.31
17)	Allyl chloride	2.854	2.454	2.534	2.694	2.509	2.609	6.26
18) M	Methylene Chloride	2.732	2.243	2.132	2.407	2.173	2.337	10.45
19) M	trans-1,2-Dichlo...	2.055	1.754	1.858	2.112	1.918	1.940	7.50
20) T	Diisopropyl ether	5.475	5.488	5.575	6.172	5.658	5.674	5.09
21) M	1,1-Dichloroethane	3.697	3.497	3.646	4.060	3.440	3.668	6.63
22) M	cis-1,2-Dichloro...	2.503	2.343	2.383	2.706	2.462	2.479	5.71
23) M	tert-Butyl Alcohol	0.569	0.517	0.567	0.673	0.629	0.591	10.25
24) M	Methyl tert-Buty...	6.650	6.486	6.918	7.827	7.218	7.020	7.55
25) M	Chloroform	4.117	3.925	4.073	4.501	4.135	4.150	5.12
26)	Cyclohexane	2.878	2.506	2.596	2.895	2.669	2.709	6.36
27) s	1,2-Dichloroetha...	2.786	2.762	2.859	3.220	3.091	2.944	6.85

28) I	1,4-Difluorobenzene	-----ISTD-----						
29)	1,1-Dichloropropene	0.456	0.400	0.409	0.411	0.400	0.415	5.65
30) M	2-Butanone	0.320	0.271	0.271	0.270	0.258	0.278	8.64
31)	2,2-Dichloropropane	0.560	0.505	0.520	0.546	0.510	0.528	4.48
32) M	1,1,1-Trichloroe...	0.638	0.594	0.603	0.603	0.586	0.605	3.26
33) M	Carbon Tetrachlo...	0.502	0.505	0.512	0.511	0.509	0.508	0.80
34) M	Benzene	1.361	1.293	1.278	1.267	1.224	1.285	3.88
35)	Methacrylonitrile	0.253	0.255	0.262	0.267	0.252	0.258	2.56
36) M	1,2-Dichloroethane	0.545	0.514	0.514	0.498	0.496	0.513	3.75
37) M	Trichloroethene	0.350	0.323	0.328	0.331	0.322	0.331	3.45
38)	Methylcyclohexane	0.532	0.472	0.486	0.493	0.481	0.493	4.71
39) M	1,2-Dichloropropane	0.334	0.312	0.311	0.306	0.290	0.311	5.10
40)	Dibromomethane	0.260	0.257	0.261	0.252	0.248	0.256	2.21
41) M	Bromodichloromet...	0.485	0.510	0.512	0.509	0.499	0.503	2.17
42) M	Vinyl Acetate	0.821	0.774	0.799	0.786	0.759	0.788	3.02
43)	Ethyl Acetate	0.502	0.462	0.455	0.448	0.443	0.462	5.03
44)	Isopropyl Acetate	0.734	0.734	0.742	0.744	0.753	0.742	1.02
45) T	1,4-Dioxane	0.008	0.009	0.009	0.009	0.009	0.009	6.16
46)	Methyl methacrylate	0.325	0.355	0.373	0.375	0.367	0.359	5.68
47)	n-amyl Acetate	0.587	0.579	0.611	0.629	0.637	0.609	4.15
48) M	t-1,3-Dichloropr...	0.441	0.466	0.492	0.512	0.509	0.484	6.23
49) T	cis-1,3-Dichloro...	0.497	0.506	0.532	0.533	0.526	0.519	3.15
50) M	1,1,2-Trichloroe...	0.333	0.360	0.353	0.340	0.330	0.343	3.81
51)	Ethyl methacrylate	0.504	0.546	0.545	0.556	0.559	0.542	4.10
52)	1,3-Dichloropropane	0.595	0.590	0.575	0.556	0.537	0.570	4.26
53) M	Dibromochloromet...	0.356	0.372	0.400	0.403	0.398	0.386	5.39
54) M	1,2-Dibromoethane	0.364	0.371	0.367	0.353	0.348	0.360	2.71
55) M	2-Chloroethyl vi...	0.224	0.257	0.266	0.251	0.239	0.248	6.62
56) M	Bromoform	0.229	0.256	0.261	0.276	0.278	0.260	7.51

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		-----ISTD-----							
57) I	Chlorobenzene-d5								
58) M	4-Methyl-2-Penta...	0.506	0.569	0.540	0.521	0.507	0.529		4.96
59) M	2-Hexanone	0.428	0.442	0.425	0.410	0.399	0.421		3.92
60) S	4-Bromofluoroben...	0.470	0.507	0.498	0.518	0.510	0.500		3.73
61) M	Tetrachloroethene	0.338	0.342	0.311	0.300	0.279	0.314		8.46
62) M	Toluene	1.644	1.564	1.512	1.447	1.413	1.516		6.09
63) S	Toluene-d8	1.295	1.380	1.350	1.299	1.292	1.323		3.00
64) M	Chlorobenzene	1.062	1.052	0.995	0.984	0.951	1.009		4.69
65)	1,1,1,2-Tetrachl...	0.352	0.372	0.366	0.360	0.353	0.361		2.38
66) M	Ethyl Benzene	1.688	1.744	1.716	1.689	1.641	1.696		2.25
67) M	m/p-Xylenes	0.661	0.691	0.649	0.651	0.623	0.655		3.77
68) M	o-Xylene	0.609	0.689	0.646	0.639	0.613	0.639		5.02
69) M	Styrene	1.001	1.122	1.111	1.106	1.084	1.085		4.52
70)	Isopropylbenzene	1.664	1.736	1.702	1.665	1.613	1.676		2.76
71) M	1,1,2,2-Tetrachl...	0.612	0.612	0.586	0.550	0.544	0.581		5.64
72)	1,2,3-Trichlorop...	0.474	0.493	0.547	0.465	0.528	0.501		6.99
73)	Bromobenzene	0.418	0.412	0.402	0.404	0.390	0.405		2.63
74)	n-propylbenzene	1.939	1.962	1.932	1.937	1.883	1.931		1.51
75)	2-Chlorotoluene	1.198	1.262	1.210	1.195	1.151	1.203		3.31
76)	1,3,5-Trimethylb...	1.402	1.466	1.433	1.411	1.370	1.416		2.53
77)	t-1,4-Dichloro-2...	0.140	0.171	0.182	0.193	0.193	0.176	12.60	
78)	4-Chlorotoluene	1.380	1.404	1.394	1.368	1.341	1.377		1.77
79)	tert-butylbenzene	1.361	1.470	1.426	1.451	1.396	1.421		3.06
80)	1,2,4-Trimethylb...	1.345	1.441	1.425	1.438	1.397	1.409		2.85
81)	sec-Butylbenzene	1.744	1.810	1.776	1.790	1.739	1.772		1.72
82)	p-Isopropyltoluene	1.360	1.510	1.494	1.524	1.469	1.471		4.46
83) M	1,3-Dichlorobenzene	0.746	0.786	0.758	0.766	0.727	0.757		2.89
84) M	1,4-Dichlorobenzene	0.767	0.776	0.759	0.766	0.749	0.763		1.30
85)	n-Butylbenzene	1.167	1.262	1.311	1.345	1.315	1.280		5.46
86) T	Hexachloroethane	0.236	0.260	0.266	0.276	0.271	0.262		5.92
87) M	1,2-Dichlorobenzene	0.740	0.782	0.745	0.745	0.716	0.746		3.16
88)	1,2-Dibromo-3-Ch...	0.131	0.145	0.151	0.156	0.154	0.147		6.84
89)	1,2,4-Trichlorob...	0.413	0.458	0.455	0.490	0.473	0.458		6.24
90)	Hexachlorobutadiene	0.210	0.186	0.189	0.193	0.187	0.193		5.12
91) M	Naphthalene	1.491	1.682	1.751	1.792	1.783	1.700		7.32
92)	1,2,3-Trichlorob...	0.443	0.465	0.475	0.491	0.482	0.471		3.98

(#) = Out of Range