

Method Path : Z:\voasrv\HPCHEM1\MSVOA_X\Method\
 Method File : 624X071924W.M
 Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 Last Update : Fri Jul 19 11:30:14 2024
 Response Via : Initial Calibration

Calibration Files

5 =VX042390.D 20 =VX042391.D 50 =VX042392.D 100 =VX042393.D 150 =VX042394.D

Compound		5	20	50	100	150	Avg	%RSD

1) I	Bromochloromethane	-----ISTD-----						
2) M	Dichlorodifluoro...	1.945	1.658	1.624	1.997	1.768	1.798	9.31
3) M	Chloromethane	2.160	1.688	1.685	2.042	1.827	1.880	11.35
4) M	Vinyl Chloride	2.045	1.713	1.674	2.068	1.840	1.868	9.79
5) M	Bromomethane	1.039	0.829	0.828	1.057	0.936	0.938	11.71
6) M	Chloroethane	0.895	0.765	0.752	0.861	0.753	0.805	8.41
7) M	Trichlorofluorom...	2.807	2.258	2.088	2.398	2.134	2.337	12.36
8) T	Diethyl Ether	1.036	0.926	0.893	1.086	0.959	0.980	8.10
9)	1,1,2-Trichlorot...	1.973	1.653	1.620	2.003	1.852	1.820	9.75
10) M	1,1-Dichloroethene	1.899	1.592	1.542	1.946	1.765	1.749	10.27
11)	Methyl Iodide	1.835	1.701	1.835	2.385	2.133	1.978	14.02
12)	Methyl Acetate	2.496	2.880	2.714	3.349	2.936	2.875	10.97
13) M	Acrolein	0.404	0.319	0.326	0.396	0.360	0.361	10.81
14) M	Acrylonitrile	1.088	1.019	0.997	1.229	1.065	1.080	8.42
15) M	Acetone	0.417	0.308	0.266	0.311	0.304	0.321	17.69
16) M	Carbon Disulfide	3.566	2.868	3.006	4.062	3.788	3.458	14.73
17)	Allyl chloride	2.888	2.675	2.625	3.047	2.682	2.783	6.42
18) M	Methylene Chloride	2.175	1.891	1.787	2.199	1.935	1.998	9.07
19) M	trans-1,2-Dichlo...	1.859	1.608	1.565	1.989	1.812	1.767	10.04
20) T	Diisopropyl ether	6.084	5.517	5.318	6.542	5.864	5.865	8.21
21) M	1,1-Dichloroethane	3.485	3.121	2.983	3.695	3.363	3.329	8.52
22) M	cis-1,2-Dichloro...	2.235	2.065	2.008	2.489	2.267	2.213	8.57
23) M	tert-Butyl Alcohol	0.366	0.410	0.374	0.474	0.434	0.411	10.76
24) M	Methyl tert-Buty...	5.887	5.433	5.249	6.591	6.032	5.838	9.06
25) M	Chloroform	3.673	3.201	3.095	3.804	3.432	3.441	8.76
26)	Cyclohexane	2.910	2.491	2.450	3.078	2.857	2.757	9.95
27) s	1,2-Dichloroetha...	2.064	2.111	2.053	2.318	2.199	2.149	5.15
28) I	1,4-Difluorobenzene	-----ISTD-----						
29)	1,1-Dichloropropene	0.433	0.363	0.371	0.404	0.386	0.391	7.15
30) M	2-Butanone	0.308	0.247	0.248	0.263	0.239	0.261	10.56
31)	2,2-Dichloropropane	0.467	0.424	0.427	0.473	0.458	0.450	5.09
32) M	1,1,1-Trichloroe...	0.537	0.475	0.480	0.528	0.506	0.505	5.48
33) M	Carbon Tetrachlo...	0.459	0.408	0.424	0.465	0.450	0.441	5.50
34) M	Benzene	1.427	1.233	1.226	1.313	1.224	1.285	6.84
35)	Methacrylonitrile	0.260	0.246	0.256	0.275	0.252	0.258	4.19
36) M	1,2-Dichloroethane	0.458	0.403	0.401	0.427	0.394	0.417	6.24
37) M	Trichloroethene	0.374	0.321	0.330	0.360	0.342	0.345	6.31
38)	Methylcyclohexane	0.558	0.460	0.474	0.521	0.502	0.503	7.76
39) M	1,2-Dichloropropane	0.345	0.296	0.305	0.328	0.306	0.316	6.37
40)	Dibromomethane	0.249	0.215	0.218	0.236	0.221	0.228	6.23
41) M	Bromodichloromet...	0.441	0.393	0.412	0.460	0.432	0.427	6.08
42) M	Vinyl Acetate	0.895	0.799	0.823	0.889	0.819	0.845	5.21
43)	Ethyl Acetate	0.481	0.448	0.449	0.491	0.448	0.464	4.52
44)	Isopropyl Acetate	0.742	0.684	0.707	0.780	0.728	0.728	4.97
45) T	1,4-Dioxane	0.008	0.008	0.008	0.009	0.008	0.008	4.31
46)	Methyl methacrylate	0.345	0.335	0.353	0.386	0.356	0.355	5.36
47)	n-amyl Acetate	0.641	0.564	0.645	0.724	0.661	0.647	8.82
48) M	t-1,3-Dichloropr...	0.404	0.380	0.415	0.479	0.452	0.426	9.28
49) T	cis-1,3-Dichloro...	0.469	0.439	0.470	0.525	0.493	0.479	6.66
50) M	1,1,2-Trichloroe...	0.366	0.321	0.324	0.347	0.314	0.334	6.46
51)	Ethyl methacrylate	0.517	0.473	0.517	0.577	0.530	0.523	7.09
52)	1,3-Dichloropropane	0.597	0.522	0.526	0.561	0.508	0.543	6.69
53) M	Dibromochloromet...	0.354	0.330	0.364	0.408	0.379	0.367	7.92
54) M	1,2-Dibromoethane	0.378	0.330	0.342	0.361	0.327	0.348	6.26
55) M	2-Chloroethyl vi...	0.274	0.229	0.259	0.264	0.242	0.253	7.07
56) M	Bromoform	0.276	0.253	0.290	0.342	0.320	0.296	11.94

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		-----ISTD-----							
57) I	Chlorobenzene-d5								
58) M	4-Methyl-2-Penta...	0.563	0.520	0.510	0.548	0.503	0.529		4.89
59) M	2-Hexanone	0.468	0.398	0.391	0.423	0.390	0.414		8.01
60) S	4-Bromofluoroben...	0.462	0.457	0.471	0.471	0.474	0.467		1.57
61) M	Tetrachloroethene	0.427	0.353	0.334	0.360	0.345	0.364		10.11
62) M	Toluene	1.702	1.463	1.393	1.513	1.428	1.500		8.11
63) S	Toluene-d8	1.323	1.334	1.297	1.266	1.295	1.303		2.03
64) M	Chlorobenzene	1.131	0.957	0.954	1.044	0.974	1.012		7.50
65)	1,1,1,2-Tetrachl...	0.392	0.343	0.340	0.382	0.364	0.364		6.37
66) M	Ethyl Benzene	1.775	1.542	1.559	1.696	1.600	1.634		6.04
67) M	m/p-Xylenes	0.705	0.619	0.625	0.677	0.641	0.653		5.64
68) M	o-Xylene	0.704	0.614	0.621	0.676	0.637	0.650		5.89
69) M	Styrene	1.120	1.017	1.066	1.173	1.093	1.094		5.31
70)	Isopropylbenzene	1.764	1.573	1.599	1.730	1.626	1.658		5.06
71) M	1,1,2,2-Tetrachl...	0.613	0.548	0.543	0.600	0.548	0.571		5.81
72)	1,2,3-Trichlorop...	0.482	0.434	0.438	0.479	0.434	0.453		5.50
73)	Bromobenzene	0.509	0.446	0.453	0.497	0.464	0.474		5.86
74)	n-propylbenzene	1.910	1.688	1.772	1.967	1.823	1.832		6.04
75)	2-Chlorotoluene	1.268	1.086	1.106	1.195	1.104	1.152		6.75
76)	1,3,5-Trimethylb...	1.466	1.299	1.341	1.459	1.362	1.385		5.34
77)	t-1,4-Dichloro-2...	0.140	0.140	0.165	0.195	0.190	0.166		15.79
78)	4-Chlorotoluene	1.353	1.195	1.246	1.360	1.262	1.283		5.58
79)	tert-butylbenzene	1.543	1.380	1.413	1.585	1.473	1.479		5.81
80)	1,2,4-Trimethylb...	1.486	1.294	1.343	1.478	1.369	1.394		6.09
81)	sec-Butylbenzene	1.829	1.626	1.684	1.861	1.736	1.747		5.61
82)	p-Isopropyltoluene	1.525	1.380	1.483	1.648	1.536	1.514		6.38
83) M	1,3-Dichlorobenzene	0.917	0.780	0.808	0.908	0.843	0.851		7.10
84) M	1,4-Dichlorobenzene	0.887	0.762	0.811	0.911	0.857	0.845		7.06
85)	n-Butylbenzene	1.132	1.037	1.155	1.348	1.275	1.189		10.32
86) T	Hexachloroethane	0.252	0.223	0.245	0.286	0.282	0.257		10.19
87) M	1,2-Dichlorobenzene	0.908	0.796	0.826	0.917	0.856	0.860		6.05
88)	1,2-Dibromo-3-Ch...	0.110	0.105	0.112	0.132	0.125	0.117		9.60
89)	1,2,4-Trichlorob...	0.567	0.503	0.556	0.657	0.629	0.582		10.46
90)	Hexachlorobutadiene	0.305	0.259	0.275	0.310	0.297	0.289		7.48
91) M	Naphthalene	1.584	1.561	1.719	1.972	1.848	1.737		10.07
92)	1,2,3-Trichlorob...	0.598	0.531	0.573	0.668	0.630	0.600		8.75

(#) = Out of Range