

Method Path : Z:\voasrv\HPCHEM1\MSVOA_X\Method\
 Method File : 624X121222W.M
 Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 Last Update : Mon Dec 12 12:37:35 2022
 Response Via : Initial Calibration

Calibration Files

5 =VX033363.D 20 =VX033364.D 50 =VX033365.D 100 =VX033366.D 150 =VX033367.D

Compound		5	20	50	100	150	Avg	%RSD

1) I	Bromochloromethane	-----ISTD-----						
2) M	Dichlorodifluoro...	2.540	2.289	2.153	1.828	2.144	2.191	11.78
3) M	Chloromethane	2.525	2.234	2.166	1.912	2.218	2.211	9.87
4) M	Vinyl Chloride	3.098	2.661	2.655	2.233	2.616	2.653	11.55
5) M	Bromomethane	2.370	1.931	1.925	1.596	1.879	1.940	14.28
6) M	Chloroethane	2.563	2.079	1.973	1.558	1.634	1.961	20.48
7) M	Trichlorofluorom...	6.860	5.610	5.336	4.363	4.872	5.408	17.38
8) T	Diethyl Ether	2.162	1.880	1.804	1.413	1.187	1.689	22.97
9)	1,1,2-Trichlorot...	3.486	2.979	2.902	2.423	1.939	2.746	21.40
10) M	1,1-Dichloroethene	3.207	2.771	2.755	2.341	1.852	2.585	19.80
11)	Methyl Iodide	2.919	3.066	3.357	2.890	2.450	2.936	11.21
12)	Methyl Acetate	3.975	3.712	3.772	3.116	3.654	3.646	8.77
13) M	Acrolein	0.641	0.627	0.640	0.534	0.441	0.577	15.22
14) M	Acrylonitrile	1.473	1.323	1.368	1.136	1.326	1.325	9.21
15) M	Acetone	0.508	0.528	0.541	0.404	0.296	0.456	22.83
16) M	Carbon Disulfide	8.724	7.204	7.002	5.960	5.935	6.965	16.41
17)	Allyl chloride	4.832	4.293	4.290	3.619	4.185	4.244	10.17
18) M	Methylene Chloride	3.610	3.014	2.943	2.496	2.940	3.001	13.25
19) M	trans-1,2-Dichlo...	3.430	2.995	3.045	2.566	3.023	3.012	10.17
20) T	Diisopropyl ether	1.014	0.910	0.920	0.760	0.862	0.893	E1 10.40
21) M	1,1-Dichloroethane	6.120	5.283	5.332	4.436	5.166	5.267	11.36
22) M	cis-1,2-Dichloro...	3.916	3.487	3.523	3.029	3.526	3.496	8.99
23) M	tert-Butyl Alcohol	0.699	0.572	0.582	0.459	0.516	0.565	15.82
24) M	Methyl tert-Buty...	1.062	0.937	0.947	0.802	0.930	0.935	E1 9.86
25) M	Chloroform	7.068	6.126	6.056	4.987	5.732	5.994	12.53
26)	Cyclohexane	5.383	4.616	4.632	3.927	4.477	4.607	11.29
27) s	1,2-Dichloroetha...	2.760	2.688	2.648	2.528	2.549	2.635	3.67
28) I	1,4-Difluorobenzene	-----ISTD-----						
29)	1,1-Dichloropropene	0.705	0.616	0.610	0.519	0.582	0.606	11.11
30) M	2-Butanone	0.312	0.303	0.303	0.238	0.261	0.283	11.37
31)	2,2-Dichloropropane	0.752	0.638	0.640	0.542	0.614	0.637	11.82
32) M	1,1,1-Trichloroe...	0.921	0.805	0.788	0.661	0.739	0.783	12.18
33) M	Carbon Tetrachlo...	0.868	0.735	0.708	0.600	0.668	0.716	13.88
34) M	Benzene	2.043	1.748	1.750	1.480	1.666	1.738	11.69
35)	Methacrylonitrile	0.326	0.288	0.301	0.254	0.283	0.290	9.13
36) M	1,2-Dichloroethane	0.801	0.705	0.678	0.547	0.608	0.668	14.45
37) M	Trichloroethene	0.562	0.501	0.492	0.427	0.486	0.493	9.75
38)	Methylcyclohexane	0.845	0.708	0.709	0.615	0.694	0.714	11.58
39) M	1,2-Dichloropropane	0.499	0.438	0.437	0.373	0.419	0.433	10.43
40)	Dibromomethane	0.397	0.333	0.332	0.280	0.315	0.332	12.84
41) M	Bromodichloromet...	0.796	0.699	0.687	0.572	0.642	0.679	12.12
42) M	Vinyl Acetate	1.083	0.996	1.018	0.854	0.956	0.981	8.65
43)	Ethyl Acetate	0.573	0.513	0.520	0.444	0.497	0.510	9.11
44)	Isopropyl Acetate	0.966	0.876	0.883	0.755	0.846	0.865	8.79
45) T	1,4-Dioxane	0.011	0.011	0.011	0.009	0.009	0.010	10.23
46)	Methyl methacrylate	0.464	0.437	0.446	0.382	0.426	0.431	7.15
47)	n-amyl Acetate	0.733	0.737	0.785	0.654	0.723	0.726	6.48
48) M	t-1,3-Dichloropr...	0.722	0.689	0.702	0.606	0.689	0.681	6.51
49) T	cis-1,3-Dichloro...	0.800	0.730	0.748	0.647	0.731	0.731	7.50
50) M	1,1,2-Trichloroe...	0.508	0.469	0.466	0.400	0.448	0.458	8.53
51)	Ethyl methacrylate	0.677	0.653	0.688	0.592	0.665	0.655	5.77
52)	1,3-Dichloropropane	0.860	0.770	0.759	0.641	0.714	0.749	10.69
53) M	Dibromochloromet...	0.628	0.560	0.560	0.473	0.534	0.551	10.17
54) M	1,2-Dibromoethane	0.548	0.514	0.518	0.440	0.489	0.502	8.10
55) M	2-Chloroethyl vi...	0.366	0.291	0.300	0.272	0.310	0.308	11.56
56) M	Bromoform	0.428	0.401	0.415	0.353	0.391	0.398	7.26

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		-----ISTD-----						
57) I	Chlorobenzene-d5							
58) M	4-Methyl-2-Penta...	0.559	0.507	0.504	0.410	0.446	0.485	11.99
59) M	2-Hexanone	0.415	0.403	0.398	0.310	0.329	0.371	12.90
60) S	4-Bromofluoroben...	0.559	0.557	0.566	0.553	0.543	0.556	1.53
61) M	Tetrachloroethene	0.498	0.414	0.393	0.333	0.371	0.402	15.41
62) M	Toluene	2.126	1.885	1.821	1.549	1.724	1.821	11.66
63) S	Toluene-d8	1.019	1.008	1.005	0.981	0.977	0.998	1.82
64) M	Chlorobenzene	1.351	1.178	1.157	0.983	1.092	1.152	11.69
65)	1,1,1,2-Tetrachl...	0.532	0.471	0.455	0.386	0.430	0.455	11.84
66) M	Ethyl Benzene	2.331	2.119	2.098	1.754	1.957	2.052	10.42
67) M	m/p-Xylenes	0.907	0.823	0.816	0.692	0.772	0.802	9.80
68) M	o-Xylene	0.873	0.805	0.804	0.678	0.747	0.781	9.35
69) M	Styrene	1.398	1.339	1.360	1.137	1.258	1.298	8.00
70)	Isopropylbenzene	2.346	2.157	2.133	1.773	1.960	2.074	10.45
71) M	1,1,2,2-Tetrachl...	0.712	0.633	0.642	0.518	0.561	0.613	12.32
72)	1,2,3-Trichlorop...	0.604	0.585	0.577	0.471	0.494	0.546	10.89
73)	Bromobenzene	0.587	0.523	0.524	0.445	0.486	0.513	10.29
74)	n-propylbenzene	2.669	2.446	2.452	2.050	2.263	2.376	9.76
75)	2-Chlorotoluene	1.674	1.472	1.452	1.221	1.323	1.428	11.97
76)	1,3,5-Trimethylb...	1.938	1.809	1.815	1.507	1.648	1.743	9.61
77)	t-1,4-Dichloro-2...	0.178	0.184	0.193	0.164	0.189	0.182	6.26
78)	4-Chlorotoluene	1.857	1.711	1.684	1.402	1.532	1.637	10.69
79)	tert-butylbenzene	1.955	1.798	1.781	1.486	1.621	1.728	10.39
80)	1,2,4-Trimethylb...	1.923	1.792	1.781	1.466	1.606	1.714	10.41
81)	sec-Butylbenzene	2.325	2.147	2.161	1.794	1.958	2.077	9.86
82)	p-Isopropyltoluene	1.986	1.829	1.842	1.528	1.672	1.771	9.92
83) M	1,3-Dichlorobenzene	1.053	0.977	0.987	0.817	0.888	0.944	9.77
84) M	1,4-Dichlorobenzene	1.095	0.972	0.982	0.811	0.893	0.951	11.16
85)	n-Butylbenzene	1.606	1.470	1.555	1.308	1.453	1.479	7.71
86) T	Hexachloroethane	0.362	0.315	0.318	0.273	0.303	0.314	10.26
87) M	1,2-Dichlorobenzene	1.066	0.965	0.970	0.793	0.859	0.931	11.39
88)	1,2-Dibromo-3-Ch...	0.150	0.139	0.139	0.112	0.128	0.134	10.56
89)	1,2,4-Trichlorob...	0.605	0.566	0.606	0.515	0.583	0.575	6.48
90)	Hexachlorobutadiene	0.282	0.247	0.250	0.208	0.233	0.244	11.16
91) M	Naphthalene	1.898	1.877	1.992	1.664	1.871	1.860	6.47
92)	1,2,3-Trichlorob...	0.624	0.574	0.595	0.509	0.575	0.576	7.39

(#) = Out of Range