

Method Path : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\
 Method File : 624X120820W.M
 Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 Last Update : Wed Dec 09 06:09:21 2020
 Response Via : Initial Calibration

Calibration Files

5 =VX019756.D 20 =VX019757.D 50 =VX019758.D 100 =VX019759.D 150 =VX019760.D

Compound	5	20	50	100	150	Avg	%RSD
-----ISTD-----							
1) I Bromochloromethane							
2) M Dichlorodifluoro...	1.565	1.651	1.633	1.577	1.547	1.595	2.83
3) M Chloromethane	1.716	1.754	1.736	1.684	1.616	1.701	3.20
4) M Vinyl Chloride	1.970	1.995	2.018	1.950	1.911	1.969	2.09
5) M Bromomethane	0.790	1.169	0.764	0.550	0.537	0.762	33.58
6) M Chloroethane	1.228	1.251	1.278	1.239	1.212	1.242	2.00
7) M Trichlorofluorom...	2.783	2.821	2.846	2.726	2.690	2.773	2.34
8) T Diethyl Ether	1.111	1.190	1.182	1.139	1.136	1.151	2.91
9) 1,1,2-Trichlorot...	1.572	1.644	1.625	1.635	1.500	1.595	3.76
10) M 1,1-Dichloroethene	1.635	1.621	1.626	1.669	1.545	1.619	2.81
11) Methyl Iodide	1.942	1.966	2.178	2.248	2.249	2.117	7.15
12) Methyl Acetate	1.952	2.080	2.227	2.173	2.112	2.109	4.95
13) M Acrolein	0.281	0.278	0.310	0.313	0.312	0.299	6.01
14) M Acrylonitrile	0.989	1.006	1.067	1.046	1.017	1.025	3.09
15) M Acetone	0.299	0.306	0.319	0.310	0.291	0.305	3.51
16) M Carbon Disulfide	4.535	4.378	4.453	4.430	4.365	4.432	1.54
17) Allyl chloride	2.535	2.644	2.750	2.722	2.678	2.666	3.14
18) M Methylene Chloride	2.030	2.022	2.041	1.962	1.934	1.998	2.36
19) M trans-1,2-Dichlo...	1.915	1.889	1.909	1.858	1.822	1.878	2.07
20) T Diisopropyl ether	5.394	5.620	5.706	5.529	5.406	5.531	2.44
21) M 1,1-Dichloroethane	3.271	3.380	3.388	3.291	3.227	3.312	2.11
22) M cis-1,2-Dichloro...	2.148	2.173	2.219	2.177	2.139	2.171	1.43
23) M tert-Butyl Alcohol	0.564	0.441	0.481	0.472	0.455	0.483	9.94
24) M Methyl tert-Buty...	5.681	5.983	6.067	5.918	5.827	5.895	2.52
25) M Chloroform	3.338	3.490	3.507	3.411	3.339	3.417	2.36
26) Cyclohexane	2.828	2.844	2.910	2.831	2.800	2.843	1.43
27) s 1,2-Dichloroetha...	2.118	2.082	2.054	2.095	2.048	2.079	1.39
-----ISTD-----							
28) I 1,4-Difluorobenzene							
29) 1,1-Dichloropropene	0.458	0.478	0.482	0.458	0.452	0.466	2.88
30) M 2-Butanone	0.236	0.246	0.261	0.249	0.241	0.247	3.88
31) 2,2-Dichloropropane	0.507	0.540	0.542	0.523	0.517	0.526	2.89
32) M 1,1,1-Trichloroe...	0.520	0.554	0.560	0.534	0.529	0.539	3.15
33) M Carbon Tetrachlo...	0.439	0.476	0.482	0.463	0.459	0.464	3.62
34) M Benzene	1.397	1.469	1.480	1.402	1.375	1.424	3.29
35) Methacrylonitrile	0.233	0.258	0.274	0.254	0.257	0.255	5.80
36) M 1,2-Dichloroethane	0.487	0.503	0.507	0.479	0.471	0.489	3.10
37) M Trichloroethene	0.370	0.377	0.385	0.368	0.369	0.374	2.00
38) Methylcyclohexane	0.532	0.564	0.573	0.552	0.548	0.554	2.81
39) M 1,2-Dichloropropane	0.347	0.364	0.374	0.354	0.351	0.358	3.09
40) Dibromomethane	0.239	0.247	0.255	0.241	0.241	0.245	2.70
41) M Bromodichloromet...	0.449	0.493	0.507	0.494	0.491	0.487	4.54
42) M Vinyl Acetate	0.809	0.887	0.910	0.868	0.847	0.864	4.46
43) Ethyl Acetate	0.451	0.468	0.489	0.469	0.461	0.467	2.98
44) Isopropyl Acetate	0.703	0.766	0.794	0.773	0.769	0.761	4.50
45) T 1,4-Dioxane	0.009	0.009	0.010	0.009	0.009	0.009#	4.00
46) Methyl methacrylate	0.333	0.375	0.395	0.386	0.385	0.375	6.55
47) n-amyl Acetate	0.546	0.631	0.688	0.696	0.699	0.652	10.02
48) M t-1,3-Dichloropr...	0.471	0.543	0.565	0.563	0.568	0.542	7.51
49) T cis-1,3-Dichloro...	0.540	0.601	0.622	0.599	0.602	0.593	5.22
50) M 1,1,2-Trichloroe...	0.350	0.372	0.382	0.364	0.359	0.365	3.33
51) Ethyl methacrylate	0.488	0.552	0.584	0.584	0.594	0.560	7.77
52) 1,3-Dichloropropane	0.597	0.627	0.644	0.603	0.602	0.615	3.28
53) M Dibromochloromet...	0.342	0.384	0.402	0.393	0.403	0.385	6.55
54) M 1,2-Dibromoethane	0.364	0.398	0.398	0.385	0.389	0.387	3.60
55) M 2-Chloroethyl vi...	0.258	0.302	0.305	0.296	0.290	0.290	6.57
56) M Bromoform	0.233	0.280	0.299	0.309	0.311	0.287	11.34

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-----ISTD-----								
57) I	Chlorobenzene-d5							
58) M	4-Methyl-2-Penta...	0.476	0.518	0.538	0.524	0.508	0.513	4.54
59) M	2-Hexanone	0.371	0.398	0.426	0.413	0.393	0.400	5.19
60) S	4-Bromofluoroben...	0.495	0.505	0.494	0.512	0.511	0.504	1.68
61) M	Tetrachloroethene	0.360	0.371	0.367	0.343	0.329	0.354	4.91
62) M	Toluene	1.643	1.727	1.718	1.627	1.568	1.656	4.01
63) S	Toluene-d8	1.337	1.345	1.313	1.295	1.279	1.314	2.10
64) M	Chlorobenzene	1.019	1.073	1.063	1.024	1.015	1.039	2.62
65)	1,1,1,2-Tetrachl...	0.355	0.397	0.401	0.389	0.383	0.385	4.70
66) M	Ethyl Benzene	1.769	1.924	1.939	1.850	1.820	1.860	3.82
67) M	m/p-Xylenes	0.666	0.728	0.737	0.703	0.680	0.703	4.34
68) M	o-Xylene	0.637	0.699	0.711	0.686	0.677	0.682	4.19
69) M	Styrene	1.034	1.186	1.209	1.192	1.175	1.159	6.11
70)	Isopropylbenzene	1.718	1.888	1.887	1.806	1.790	1.818	3.96
71) M	1,1,2,2-Tetrachl...	0.606	0.644	0.661	0.626	0.609	0.629	3.75
72)	1,2,3-Trichlorop...	0.572	0.601	0.621	0.584	0.557	0.587	4.25
73)	Bromobenzene	0.442	0.472	0.470	0.470	0.460	0.463	2.64
74)	n-propylbenzene	1.943	2.157	2.193	2.099	2.117	2.102	4.57
75)	2-Chlorotoluene	1.218	1.301	1.322	1.276	1.262	1.276	3.12
76)	1,3,5-Trimethylb...	1.426	1.578	1.586	1.561	1.552	1.541	4.25
77)	t-1,4-Dichloro-2...	0.167	0.203	0.225	0.234	0.231	0.212	13.08
78)	4-Chlorotoluene	1.388	1.509	1.521	1.486	1.474	1.475	3.56
79)	tert-butylbenzene	1.389	1.486	1.585	1.559	1.523	1.508	5.06
80)	1,2,4-Trimethylb...	1.439	1.579	1.595	1.569	1.553	1.547	4.02
81)	sec-Butylbenzene	1.589	1.793	1.814	1.785	1.747	1.746	5.20
82)	p-Isopropyltoluene	1.463	1.613	1.675	1.634	1.616	1.600	5.03
83) M	1,3-Dichlorobenzene	0.789	0.837	0.866	0.844	0.836	0.834	3.37
84) M	1,4-Dichlorobenzene	0.788	0.856	0.890	0.836	0.828	0.839	4.45
85)	n-Butylbenzene	1.205	1.411	1.470	1.473	1.475	1.407	8.24
86) T	Hexachloroethane	0.243	0.274	0.292	0.300	0.300	0.282	8.58
87) M	1,2-Dichlorobenzene	0.792	0.840	0.855	0.811	0.801	0.820	3.25
88)	1,2-Dibromo-3-Ch...	0.125	0.131	0.140	0.143	0.145	0.137	6.17
89)	1,2,4-Trichlorob...	0.474	0.541	0.557	0.571	0.563	0.541	7.26
90)	Hexachlorobutadiene	0.238	0.240	0.237	0.233	0.235	0.237	1.07
91) M	Naphthalene	1.480	1.739	1.847	1.921	1.872	1.772	9.96
92)	1,2,3-Trichlorob...	0.471	0.528	0.543	0.564	0.550	0.531	6.80

(#) = Out of Range