

Method Path : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\
 Method File : 624N070319W.M
 Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 Last Update : Wed Jul 03 11:05:14 2019
 Response Via : Initial Calibration

Calibration Files

5 =VN056575.D 20 =VN056576.D 50 =VN056577.D
 100 =VN056578.D 150 =VN056579.D

	Compound	5	20	50	100	150	Avg	%RSD

1) I	Bromochloromethane	-----ISTD-----						
2) M	Dichlorodifluoromet	1.477	1.500	1.498	1.489	1.558	1.504	2.08
3) M	Chloromethane	2.317	2.123	2.127	2.115	2.236	2.183	4.09
4) M	Vinyl Chloride	2.153	1.980	2.037	2.005	2.100	2.055	3.44
5) M	Bromomethane	1.154	1.144	1.110	1.071	1.003	1.096	5.60
6) M	Chloroethane	1.192	1.106	1.126	1.111	1.156	1.138	3.14
7) M	Trichlorofluorometh	2.742	2.590	2.631	2.555	2.670	2.638	2.76
8) T	Diethyl Ether	1.142	1.087	1.118	1.090	1.158	1.119	2.80
9)	1,1,2-Trichlorotrif	1.773	1.626	1.682	1.607	1.669	1.671	3.86
10) M	1,1-Dichloroethene	1.650	1.608	1.611	1.633	1.698	1.640	2.24
11)	Methyl Iodide	2.158	2.137	2.335	2.450	2.646	2.345	9.04
12)	Methyl Acetate	2.836	2.033	2.035	2.015	2.139	2.212	15.93
13) M	Acrolein	0.257	0.208	0.195	0.204	0.216	0.216	11.12
14) M	Acrylonitrile	0.945	0.939	0.974	0.976	1.022	0.971	3.40
15) M	Acetone	0.285	0.271	0.269	0.262	0.267	0.271	3.10
16) M	Carbon Disulfide	3.643	3.626	3.875	4.121	4.451	3.943	8.84
17)	Allyl chloride	2.820	2.704	2.864	2.880	3.081	2.870	4.76
18) M	Methylene Chloride	2.096	1.878	1.908	1.862	1.951	1.939	4.85
19) M	trans-1,2-Dichloroe	1.869	1.725	1.737	1.734	1.829	1.779	3.69
20) T	Diisopropyl ether	6.062	5.788	5.957	5.788	6.050	5.929	2.27
21) M	1,1-Dichloroethane	3.459	3.268	3.305	3.269	3.421	3.345	2.68
22) M	cis-1,2-Dichloroeth	2.183	2.015	2.069	2.043	2.148	2.092	3.41
23) M	tert-Butyl Alcohol	0.424	0.322	0.352	0.350	0.369	0.363	10.42
24) M	Methyl tert-Butyl E	5.590	5.183	5.383	5.342	5.622	5.424	3.37
25) M	Chloroform	3.510	3.204	3.222	3.150	3.305	3.278	4.30
26)	Cyclohexane	3.114	2.973	3.075	3.036	3.206	3.081	2.83
27) s	1,2-Dichloroethane-	2.056	2.073	2.084	2.053	2.075	2.068	0.66

28) I	1,4-Difluorobenzene	-----ISTD-----						
29)	1,1-Dichloropropene	0.452	0.427	0.440	0.443	0.453	0.443	2.42
30) M	2-Butanone	0.255	0.242	0.245	0.243	0.243	0.246	2.12
31)	2,2-Dichloropropane	0.439	0.405	0.418	0.429	0.439	0.426	3.45
32) M	1,1,1-Trichloroetha	0.480	0.457	0.472	0.472	0.480	0.472	2.02
33) M	Carbon Tetrachlorid	0.401	0.378	0.399	0.403	0.420	0.400	3.72
34) M	Benzene	1.491	1.343	1.375	1.346	1.371	1.385	4.40
35)	Methacrylonitrile	0.222	0.223	0.198	0.222	0.225	0.218	5.12
36) M	1,2-Dichloroethane	0.500	0.436	0.438	0.435	0.441	0.450	6.25
37) M	Trichloroethene	0.382	0.346	0.358	0.357	0.364	0.361	3.65
38)	Methylcyclohexane	0.557	0.533	0.557	0.557	0.572	0.555	2.51
39) M	1,2-Dichloropropane	0.397	0.364	0.366	0.365	0.372	0.373	3.67
40)	Dibromomethane	0.241	0.224	0.228	0.228	0.231	0.231	2.79
41) M	Bromodichloromethan	0.424	0.403	0.422	0.437	0.451	0.427	4.19
42) M	Vinyl Acetate	0.847	0.843	0.887	0.891	0.904	0.874	3.19
43)	Ethyl Acetate	0.494	0.464	0.474	0.468	0.475	0.475	2.47
44)	Isopropyl Acetate	0.753	0.705	0.735	0.746	0.767	0.741	3.14
45) T	1,4-Dioxane	0.008	0.007	0.007	0.007	0.007	0.007#	4.99
46)	Methyl methacrylate	0.382	0.341	0.359	0.366	0.373	0.364	4.26
47)	n-amyl Acetate	0.556	0.569	0.633	0.650	0.672	0.616	8.27
48) M	t-1,3-Dichloroprope	0.408	0.419	0.463	0.487	0.512	0.458	9.65
49) T	cis-1,3-Dichloropro	0.493	0.492	0.536	0.552	0.568	0.528	6.59
50) M	1,1,2-Trichloroetha	0.357	0.330	0.338	0.334	0.340	0.340	3.07
51)	Ethyl methacrylate	0.518	0.513	0.538	0.544	0.561	0.535	3.71
52)	1,3-Dichloropropane	0.611	0.556	0.574	0.566	0.577	0.577	3.59

Method Path : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\
 Method File : 624N070319W.M
 Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 Last Update : Wed Jul 03 11:05:14 2019
 Response Via : Initial Calibration

Calibration Files

5 =VN056575.D 20 =VN056576.D 50 =VN056577.D
 100 =VN056578.D 150 =VN056579.D

	Compound	5	20	50	100	150	Avg	%RSD
53) M	Dibromochloromethan	0.307	0.311	0.335	0.349	0.362	0.333	7.18
54) M	1,2-Dibromoethane	0.358	0.336	0.357	0.354	0.363	0.354	2.95
55) M	2-Chloroethyl vinyl	0.257	0.262	0.277	0.278	0.288	0.273	4.63
56) M	Bromoform	0.218	0.214	0.242	0.260	0.276	0.242	11.09
57) I	Chlorobenzene-d5	-----ISTD-----						
58) M	4-Methyl-2-Pentanone	0.580	0.530	0.536	0.527	0.524	0.539	4.30
59) M	2-Hexanone	0.421	0.390	0.399	0.397	0.395	0.400	3.00
60) S	4-Bromofluorobenzene	0.426	0.449	0.468	0.489	0.474	0.461	5.21
61) M	Tetrachloroethene	0.422	0.374	0.366	0.361	0.360	0.377	6.93
62) M	Toluene	1.841	1.645	1.637	1.621	1.627	1.674	5.60
63) S	Toluene-d8	1.441	1.420	1.385	1.371	1.353	1.394	2.58
64) M	Chlorobenzene	1.083	0.978	0.990	0.993	0.999	1.009	4.19
65)	1,1,1,2-Tetrachloro	0.371	0.346	0.364	0.364	0.370	0.363	2.73
66) M	Ethyl Benzene	1.909	1.755	1.793	1.796	1.824	1.815	3.18
67) M	m/p-Xylenes	0.678	0.648	0.672	0.674	0.677	0.670	1.85
68) M	o-Xylene	0.709	0.642	0.653	0.652	0.657	0.663	4.00
69) M	Styrene	1.068	1.063	1.110	1.128	1.144	1.102	3.27
70)	Isopropylbenzene	1.771	1.689	1.729	1.722	1.733	1.729	1.70
71) M	1,1,2,2-Tetrachloro	0.618	0.554	0.564	0.562	0.559	0.572	4.57
72)	1,2,3-Trichloroprop	0.532	0.489	0.460	0.459	0.463	0.481	6.51
73)	Bromobenzene	0.450	0.430	0.447	0.446	0.456	0.446	2.13
74)	n-propylbenzene	1.941	1.863	1.974	2.002	2.027	1.961	3.24
75)	2-Chlorotoluene	1.213	1.137	1.168	1.172	1.174	1.173	2.30
76)	1,3,5-Trimethylbenz	1.501	1.420	1.453	1.467	1.479	1.464	2.08
77)	t-1,4-Dichloro-2-bu	0.117	0.133	0.155	0.178	0.187	0.154	19.22
78)	4-Chlorotoluene	1.081	1.095	1.148	1.181	1.199	1.141	4.54
79)	tert-butylbenzene	1.336	1.204	1.233	1.235	1.245	1.251	4.00
80)	1,2,4-Trimethylbenz	1.427	1.390	1.453	1.470	1.489	1.446	2.69
81)	sec-Butylbenzene	1.682	1.591	1.655	1.674	1.691	1.659	2.41
82)	p-Isopropyltoluene	1.422	1.423	1.511	1.543	1.558	1.491	4.38
83) M	1,3-Dichlorobenzene	0.681	0.694	0.752	0.779	0.796	0.740	6.92
84) M	1,4-Dichlorobenzene	0.628	0.666	0.726	0.765	0.786	0.714	9.30
85)	n-Butylbenzene	1.089	1.153	1.287	1.352	1.386	1.253	10.20
86) T	Hexachloroethane	0.200	0.202	0.223	0.243	0.255	0.225	10.85
87) M	1,2-Dichlorobenzene	0.721	0.727	0.749	0.776	0.787	0.752	3.88
88)	1,2-Dibromo-3-Chlor	0.095	0.092	0.098	0.111	0.116	0.102	10.03
89)	1,2,4-Trichlorobenz	0.282	0.351	0.422	0.487	0.536	0.416	24.51
90)	Hexachlorobutadiene	0.264	0.247	0.255	0.256	0.269	0.258	3.21
91) M	Naphthalene	0.779	0.980	1.205	1.386	1.481	1.166	24.76
92)	1,2,3-Trichlorobenz	0.334	0.381	0.444	0.493	0.529	0.436	18.23

(#) = Out of Range