

Method Path : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\
 Method File : 624N072518W.M
 Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 Last Update : Thu Jul 26 15:21:50 2018
 Response Via : Initial Calibration

Calibration Files

5 =VN050036.D 20 =VN050037.D 50 =VN050038.D
 100 =VN050039.D 150 =VN050040.D

	Compound	5	20	50	100	150	Avg	%RSD

1) I	Bromochloromethane	-----ISTD-----						
2) M	Dichlorodifluoromet	1.690	2.334	2.126	2.106	2.081	2.067	11.30
3) M	Chloromethane	2.112	2.231	2.115	2.094	2.105	2.131	2.64
4) M	Vinyl Chloride	2.270	2.396	2.250	2.223	2.206	2.269	3.31
5) M	Bromomethane	1.533	1.437	1.326	1.332	1.288	1.383	7.24
6) M	Chloroethane	1.460	1.406	1.304	1.278	1.261	1.342	6.46
7) M	Trichlorofluorometh	3.108	3.184	2.907	2.832	2.797	2.965	5.79
8) T	Diethyl Ether	0.992	0.979	0.994	1.000	1.008	0.995	1.07
9)	1,1,2-Trichlorotrif	1.951	1.943	1.734	1.704	1.688	1.804	7.30
10) M	1,1-Dichloroethene	1.577	1.670	1.584	1.569	1.597	1.599	2.56
11)	Methyl Iodide	1.955	2.384	2.423	2.487	2.518	2.354	9.72
12)	Methyl Acetate	1.698	1.912	1.836	1.849	1.866	1.832	4.40
13) M	Acrolein	0.152	0.101	0.101	0.104	0.107	0.113	19.43
14) M	Acrylonitrile	0.542	0.607	0.617	0.641	0.649	0.611	6.95
15) M	Acetone	0.163	0.171	0.163	0.160	0.156	0.162	3.51
16) M	Carbon Disulfide	5.082	5.064	4.762	4.760	4.807	4.895	3.34
17)	Allyl chloride	2.326	2.525	2.525	2.600	2.655	2.526	4.94
18) M	Methylene Chloride	1.980	1.913	1.789	1.779	1.769	1.846	5.15
19) M	trans-1,2-Dichloroe	1.672	1.781	1.712	1.699	1.698	1.712	2.41
20) T	Diisopropyl ether	4.470	5.402	5.285	5.370	5.369	5.179	7.70
21) M	1,1-Dichloroethane	3.436	3.365	3.190	3.153	3.141	3.257	4.13
22) M	cis-1,2-Dichloroeth	1.805	1.933	1.890	1.926	1.941	1.899	2.97
23) M	tert-Butyl Alcohol	0.118	0.134	0.134	0.146	0.151	0.137	9.44
24) M	Methyl tert-Butyl E	3.734	4.418	4.455	4.588	4.616	4.362	8.28
25) M	Chloroform	3.486	3.442	3.230	3.186	3.140	3.297	4.75
26)	Cyclohexane	2.169	2.652	2.615	2.740	2.764	2.588	9.35
27) s	1,2-Dichloroethane-	2.111	2.072	2.028	1.996	1.989	2.039	2.56

28) I	1,4-Difluorobenzene	-----ISTD-----						
29)	1,1-Dichloropropene	0.433	0.488	0.470	0.465	0.472	0.466	4.39
30) M	2-Butanone	0.138	0.144	0.148	0.149	0.150	0.146	3.33
31)	2,2-Dichloropropane	0.552	0.533	0.507	0.491	0.490	0.515	5.24
32) M	1,1,1-Trichloroetha	0.593	0.564	0.534	0.524	0.525	0.548	5.43
33) M	Carbon Tetrachlorid	0.527	0.498	0.479	0.469	0.469	0.489	5.04
34) M	Benzene	1.440	1.460	1.405	1.381	1.384	1.414	2.45
35)	Methacrylonitrile	0.166	0.157	0.165	0.170	0.173	0.166	3.67
36) M	1,2-Dichloroethane	0.511	0.479	0.455	0.439	0.438	0.464	6.65
37) M	Trichloroethene	0.393	0.380	0.360	0.359	0.362	0.371	4.08
38)	Methylcyclohexane	0.443	0.490	0.488	0.510	0.524	0.491	6.22
39) M	1,2-Dichloropropane	0.388	0.384	0.366	0.362	0.363	0.372	3.27
40)	Dibromomethane	0.243	0.233	0.228	0.223	0.224	0.230	3.56
41) M	Bromodichloromethan	0.513	0.494	0.477	0.471	0.474	0.486	3.63
42) M	Vinyl Acetate	0.579	0.682	0.713	0.727	0.736	0.687	9.32
43)	Ethyl Acetate	0.271	0.311	0.309	0.317	0.318	0.305	6.45
44)	Isopropyl Acetate	0.539	0.569	0.567	0.571	0.580	0.565	2.76
45) T	1,4-Dioxane	0.003	0.004	0.004	0.004	0.004	0.004#	9.73
46)	Methyl methacrylate	0.229	0.271	0.279	0.293	0.298	0.274	10.01
47)	n-amyl Acetate	0.310	0.405	0.463	0.502	0.519	0.440	19.24
48) M	t-1,3-Dichloroprope	0.443	0.464	0.470	0.465	0.472	0.463	2.53
49) T	cis-1,3-Dichloropro	0.493	0.546	0.552	0.558	0.570	0.544	5.47
50) M	1,1,2-Trichloroetha	0.351	0.335	0.325	0.319	0.322	0.330	3.90
51)	Ethyl methacrylate	0.324	0.373	0.417	0.439	0.452	0.401	13.04
52)	1,3-Dichloropropane	0.543	0.550	0.540	0.539	0.541	0.543	0.84

Method Path : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\
 Method File : 624N072518W.M
 Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 Last Update : Thu Jul 26 15:21:50 2018
 Response Via : Initial Calibration

Calibration Files

5 =VN050036.D 20 =VN050037.D 50 =VN050038.D
 100 =VN050039.D 150 =VN050040.D

	Compound	5	20	50	100	150	Avg	%RSD
53) M	Dibromochloromethan	0.381	0.375	0.367	0.372	0.380	0.375	1.49
54) M	1,2-Dibromoethane	0.315	0.323	0.322	0.327	0.332	0.324	1.95
55) M	2-Chloroethyl vinyl	0.131	0.177	0.193	0.201	0.205	0.182	16.55
56) M	Bromoform	0.252	0.257	0.265	0.271	0.279	0.265	4.11
57) I	Chlorobenzene-d5	-----ISTD-----						
58) M	4-Methyl-2-Pentanone	0.311	0.356	0.356	0.362	0.359	0.349	6.10
59) M	2-Hexanone	0.204	0.238	0.246	0.253	0.251	0.238	8.40
60) S	4-Bromofluorobenzen	0.420	0.455	0.467	0.479	0.484	0.461	5.56
61) M	Tetrachloroethene	0.462	0.435	0.392	0.375	0.368	0.406	9.97
62) M	Toluene	1.789	1.782	1.680	1.662	1.645	1.712	4.00
63) S	Toluene-d8	1.478	1.471	1.427	1.408	1.380	1.433	2.90
64) M	Chlorobenzene	1.050	1.059	1.027	1.025	1.029	1.038	1.49
65)	1,1,1,2-Tetrachloro	0.430	0.419	0.396	0.393	0.387	0.405	4.58
66) M	Ethyl Benzene	1.535	1.764	1.782	1.828	1.836	1.749	7.04
67) M	m/p-Xylenes	0.584	0.701	0.693	0.694	0.694	0.673	7.45
68) M	o-Xylene	0.560	0.644	0.657	0.669	0.673	0.640	7.25
69) M	Styrene	0.804	1.054	1.076	1.097	1.103	1.027	12.28
70)	Isopropylbenzene	1.456	1.746	1.755	1.785	1.786	1.706	8.24
71) M	1,1,2,2-Tetrachloro	0.485	0.469	0.464	0.463	0.461	0.468	2.08
72)	1,2,3-Trichloroprop	0.404	0.407	0.373	0.409	0.407	0.400	3.82
73)	Bromobenzene	0.438	0.458	0.454	0.458	0.464	0.454	2.23
74)	n-propylbenzene	1.697	2.054	2.035	2.071	2.075	1.987	8.18
75)	2-Chlorotoluene	1.094	1.229	1.215	1.211	1.217	1.193	4.66
76)	1,3,5-Trimethylbenz	1.165	1.470	1.459	1.454	1.457	1.401	9.41
77)	t-1,4-Dichloro-2-bu	0.106	0.122	0.133	0.144	0.149	0.131	13.27
78)	4-Chlorotoluene	1.017	1.216	1.208	1.226	1.245	1.182	7.89
79)	tert-butylbenzene	1.025	1.219	1.234	1.249	1.262	1.198	8.16
80)	1,2,4-Trimethylbenz	1.138	1.490	1.498	1.479	1.492	1.419	11.08
81)	sec-Butylbenzene	1.391	1.687	1.674	1.683	1.701	1.627	8.12
82)	p-Isopropyltoluene	1.062	1.436	1.460	1.484	1.500	1.388	13.25
83) M	1,3-Dichlorobenzene	0.720	0.803	0.798	0.809	0.826	0.791	5.20
84) M	1,4-Dichlorobenzene	0.626	0.759	0.767	0.780	0.806	0.748	9.41
85)	n-Butylbenzene	0.795	1.118	1.188	1.249	1.284	1.127	17.38
86) T	Hexachloroethane	0.282	0.283	0.269	0.274	0.279	0.277	2.11
87) M	1,2-Dichlorobenzene	0.694	0.804	0.794	0.784	0.791	0.773	5.78
88)	1,2-Dibromo-3-Chlor	0.067	0.072	0.074	0.074	0.077	0.073	5.41
89)	1,2,4-Trichlorobenz	0.198	0.349	0.397	0.437	0.467	0.369	28.59
90)	Hexachlorobutadiene	0.244	0.261	0.240	0.234	0.239	0.244	4.30
91) M	Naphthalene	0.370	0.687	0.880	1.043	1.121	0.820	36.80
92)	1,2,3-Trichlorobenz	0.235	0.367	0.396	0.428	0.453	0.376	22.61

(#) = Out of Range