

Method Path : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\
 Method File : 624N071319W.M
 Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 Last Update : Fri Jul 12 23:58:13 2019
 Response Via : Initial Calibration

Calibration Files

5 =VN056684.D 20 =VN056679.D 50 =VN056680.D
 100 =VN056681.D 150 =VN056682.D

	Compound	5	20	50	100	150	Avg	%RSD

1) I	Bromochloromethane	-----ISTD-----						
2) M	Dichlorodifluoromet	1.467	1.777	1.717	1.740	1.822	1.705	8.13
3) M	Chloromethane	2.094	2.339	2.248	2.286	2.433	2.280	5.49
4) M	Vinyl Chloride	2.119	2.296	2.166	2.260	2.371	2.242	4.51
5) M	Bromomethane	1.627	1.409	1.292	1.325	1.414	1.413	9.25
6) M	Chloroethane	1.275	1.297	1.233	1.268	1.334	1.281	2.92
7) M	Trichlorofluorometh	2.817	2.967	2.792	2.852	2.952	2.876	2.76
8) T	Diethyl Ether	1.181	1.172	1.118	1.172	1.238	1.176	3.62
9)	1,1,2-Trichlorotrif	1.854	1.843	1.711	1.740	1.819	1.793	3.56
10) M	1,1-Dichloroethene	1.755	1.763	1.711	1.767	1.851	1.769	2.87
11)	Methyl Iodide	1.738	2.289	2.367	2.572	2.792	2.351	16.79
12)	Methyl Acetate	3.167	2.173	2.093	2.147	2.262	2.368	19.02
13) M	Acrolein	0.241	0.149	0.141	0.146	0.157	0.167	25.10
14) M	Acrylonitrile	1.043	1.014	1.008	1.044	1.107	1.043	3.77
15) M	Acetone	0.310	0.424	0.370	0.352	0.344	0.360	11.64
16) M	Carbon Disulfide	4.441	4.499	4.454	4.814	5.125	4.667	6.39
17)	Allyl chloride	3.036	3.007	2.991	3.129	3.312	3.095	4.28
18) M	Methylene Chloride	2.152	2.076	1.974	2.043	2.142	2.077	3.54
19) M	trans-1,2-Dichloroe	1.881	1.903	1.836	1.882	1.968	1.894	2.55
20) T	Diisopropyl ether	6.146	6.172	5.976	6.110	6.432	6.167	2.70
21) M	1,1-Dichloroethane	3.560	3.518	3.406	3.490	3.644	3.524	2.49
22) M	cis-1,2-Dichloroeth	2.256	2.210	2.122	2.194	2.292	2.215	2.93
23) M	tert-Butyl Alcohol	0.354	0.354	0.356	0.367	0.388	0.364	4.03
24) M	Methyl tert-Butyl E	5.643	5.557	5.426	5.647	5.944	5.644	3.37
25) M	Chloroform	3.511	3.481	3.296	3.356	3.521	3.433	2.94
26)	Cyclohexane	3.193	3.321	3.167	3.269	3.427	3.275	3.20
27) s	1,2-Dichloroethane-	2.037	2.011	2.007	2.033	2.073	2.032	1.30

28) I	1,4-Difluorobenzene	-----ISTD-----						
29)	1,1-Dichloropropene	0.480	0.491	0.463	0.470	0.481	0.477	2.27
30) M	2-Butanone	0.266	0.297	0.280	0.268	0.269	0.276	4.76
31)	2,2-Dichloropropane	0.443	0.467	0.458	0.467	0.472	0.462	2.48
32) M	1,1,1-Trichloroetha	0.498	0.517	0.502	0.509	0.516	0.508	1.63
33) M	Carbon Tetrachlorid	0.413	0.444	0.434	0.444	0.453	0.437	3.54
34) M	Benzene	1.482	1.513	1.434	1.437	1.460	1.465	2.26
35)	Methacrylonitrile	0.222	0.189	0.208	0.212	0.223	0.211	6.45
36) M	1,2-Dichloroethane	0.497	0.486	0.454	0.457	0.459	0.471	4.19
37) M	Trichloroethene	0.411	0.409	0.385	0.388	0.398	0.398	2.94
38)	Methylcyclohexane	0.584	0.620	0.592	0.601	0.617	0.602	2.59
39) M	1,2-Dichloropropane	0.398	0.405	0.386	0.385	0.393	0.393	2.13
40)	Dibromomethane	0.261	0.255	0.244	0.245	0.248	0.251	2.81
41) M	Bromodichloromethan	0.436	0.468	0.459	0.465	0.482	0.462	3.65
42) M	Vinyl Acetate	0.831	0.944	0.928	0.936	0.957	0.919	5.50
43)	Ethyl Acetate	0.508	0.513	0.487	0.484	0.502	0.499	2.59
44)	Isopropyl Acetate	0.761	0.770	0.766	0.780	0.814	0.778	2.71
45) T	1,4-Dioxane	0.007	0.008	0.008	0.008	0.008	0.008#	3.89
46)	Methyl methacrylate	0.345	0.376	0.373	0.379	0.396	0.374	5.01
47)	n-amyl Acetate	0.544	0.613	0.636	0.676	0.713	0.636	10.06
48) M	t-1,3-Dichloroprope	0.466	0.493	0.497	0.529	0.553	0.508	6.62
49) T	cis-1,3-Dichloropro	0.521	0.569	0.569	0.592	0.614	0.573	6.02
50) M	1,1,2-Trichloroetha	0.377	0.369	0.359	0.358	0.362	0.365	2.23
51)	Ethyl methacrylate	0.513	0.556	0.560	0.576	0.602	0.561	5.83
52)	1,3-Dichloropropane	0.602	0.635	0.597	0.604	0.615	0.611	2.47

Method Path : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\
 Method File : 624N071319W.M
 Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 Last Update : Fri Jul 12 23:58:13 2019
 Response Via : Initial Calibration

Calibration Files

5 =VN056684.D 20 =VN056679.D 50 =VN056680.D
 100 =VN056681.D 150 =VN056682.D

	Compound	5	20	50	100	150	Avg	%RSD
53) M	Dibromochloromethan	0.332	0.362	0.371	0.383	0.397	0.369	6.66
54) M	1,2-Dibromoethane	0.373	0.380	0.372	0.379	0.392	0.379	2.09
55) M	2-Chloroethyl vinyl	0.247	0.272	0.271	0.280	0.288	0.271	5.65
56) M	Bromoform	0.231	0.260	0.269	0.294	0.311	0.273	11.28
57) I	Chlorobenzene-d5	-----ISTD-----						
58) M	4-Methyl-2-Pentanone	0.584	0.571	0.557	0.544	0.566	0.565	2.67
59) M	2-Hexanone	0.422	0.448	0.429	0.415	0.429	0.429	2.88
60) S	4-Bromofluorobenzene	0.426	0.458	0.459	0.479	0.475	0.459	4.57
61) M	Tetrachloroethene	0.480	0.450	0.422	0.400	0.404	0.431	7.74
62) M	Toluene	1.822	1.807	1.736	1.696	1.749	1.762	2.96
63) S	Toluene-d8	1.403	1.405	1.368	1.338	1.339	1.371	2.39
64) M	Chlorobenzene	1.107	1.082	1.052	1.044	1.088	1.075	2.44
65)	1,1,1,2-Tetrachloro	0.391	0.398	0.390	0.387	0.405	0.394	1.84
66) M	Ethyl Benzene	1.875	1.941	1.876	1.877	1.954	1.905	2.07
67) M	m/p-Xylenes	0.704	0.737	0.710	0.709	0.734	0.719	2.16
68) M	o-Xylene	0.722	0.703	0.691	0.684	0.706	0.701	2.12
69) M	Styrene	1.085	1.160	1.151	1.178	1.234	1.162	4.64
70)	Isopropylbenzene	1.829	1.883	1.797	1.804	1.877	1.838	2.18
71) M	1,1,2,2-Tetrachloro	0.625	0.603	0.580	0.575	0.600	0.596	3.32
72)	1,2,3-Trichloroprop	0.508	0.520	0.474	0.513	0.534	0.510	4.34
73)	Bromobenzene	0.465	0.483	0.476	0.478	0.498	0.480	2.50
74)	n-propylbenzene	1.928	2.132	2.047	2.078	2.182	2.073	4.65
75)	2-Chlorotoluene	1.241	1.281	1.222	1.221	1.278	1.249	2.34
76)	1,3,5-Trimethylbenz	1.530	1.629	1.546	1.531	1.601	1.567	2.88
77)	t-1,4-Dichloro-2-bu	0.124	0.156	0.171	0.188	0.208	0.169	18.94
78)	4-Chlorotoluene	1.104	1.222	1.186	1.227	1.315	1.211	6.31
79)	tert-butylbenzene	1.339	1.361	1.297	1.308	1.362	1.333	2.24
80)	1,2,4-Trimethylbenz	1.487	1.599	1.537	1.540	1.609	1.555	3.23
81)	sec-Butylbenzene	1.735	1.810	1.716	1.739	1.825	1.765	2.79
82)	p-Isopropyltoluene	1.486	1.655	1.580	1.605	1.699	1.605	5.03
83) M	1,3-Dichlorobenzene	0.723	0.794	0.797	0.818	0.870	0.800	6.64
84) M	1,4-Dichlorobenzene	0.649	0.755	0.775	0.802	0.855	0.767	9.89
85)	n-Butylbenzene	1.105	1.321	1.331	1.385	1.478	1.324	10.37
86) T	Hexachloroethane	0.212	0.248	0.246	0.266	0.288	0.252	11.03
87) M	1,2-Dichlorobenzene	0.768	0.799	0.796	0.812	0.847	0.804	3.57
88)	1,2-Dibromo-3-Chlor	0.088	0.098	0.104	0.108	0.117	0.103	10.73
89)	1,2,4-Trichlorobenz	0.341	0.385	0.436	0.468	0.532	0.433	17.06
90)	Hexachlorobutadiene	0.303	0.290	0.269	0.265	0.279	0.281	5.60
91) M	Naphthalene	0.825	0.965	1.174	1.346	1.508	1.164	23.78
92)	1,2,3-Trichlorobenz	0.410	0.412	0.440	0.474	0.533	0.454	11.29

(#) = Out of Range