

Method Path : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\
 Method File : 624N101218W.M
 Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 Last Update : Fri Oct 12 10:23:44 2018
 Response Via : Initial Calibration

Calibration Files

5 =VN051823.D 20 =VN051824.D 50 =VN051825.D
 100 =VN051826.D 150 =VN051827.D

	Compound	5	20	50	100	150	Avg	%RSD

1) I	Bromochloromethane	-----ISTD-----						
2) M	Dichlorodifluoromet	1.074	1.151	1.152	1.209	1.241	1.166	5.50
3) M	Chloromethane	1.251	1.270	1.271	1.197	1.170	1.232	3.72
4) M	Vinyl Chloride	1.804	1.941	1.885	1.810	1.757	1.840	3.96
5) M	Bromomethane	1.721	1.624	1.650	1.562	1.570	1.625	3.99
6) M	Chloroethane	1.359	1.408	1.359	1.278	1.225	1.326	5.51
7) M	Trichlorofluorometh	2.727	2.446	2.681	2.625	2.634	2.623	4.08
8) T	Diethyl Ether	0.762	0.787	0.774	0.750	0.745	0.763	2.25
9)	1,1,2-Trichlorotrif	1.499	1.548	1.522	1.462	1.437	1.494	2.98
10) M	1,1-Dichloroethene	1.390	1.436	1.395	1.346	1.340	1.381	2.86
11)	Methyl Iodide	1.561	1.952	2.108	2.164	2.256	2.008	13.61
12)	Methyl Acetate	0.758	0.897	0.903	0.877	0.853	0.858	6.90
13) M	Acrolein	0.068	0.056	0.050	0.054	0.054	0.057	12.15
14) M	Acrylonitrile	0.352	0.389	0.394	0.395	0.387	0.383	4.60
15) M	Acetone	0.097	0.100	0.095	0.092	0.090	0.095	4.51
16) M	Carbon Disulfide	3.404	3.598	3.686	3.707	3.743	3.627	3.74
17)	Allyl chloride	1.565	1.727	1.690	1.637	1.580	1.640	4.25
18) M	Methylene Chloride	1.508	1.597	1.561	1.539	1.517	1.544	2.31
19) M	trans-1,2-Dichloroe	1.514	1.623	1.606	1.575	1.568	1.577	2.64
20) T	Diisopropyl ether	3.654	3.784	3.746	3.583	3.494	3.652	3.24
21) M	1,1-Dichloroethane	2.580	2.658	2.596	2.507	2.419	2.552	3.58
22) M	cis-1,2-Dichloroeth	1.855	1.863	1.891	1.842	1.812	1.852	1.56
23) M	tert-Butyl Alcohol	0.099	0.101	0.102	0.101	0.102	0.101	1.36
24) M	Methyl tert-Butyl E	3.931	4.050	4.077	3.957	3.882	3.979	2.06
25) M	Chloroform	2.960	3.129	3.109	3.004	2.935	3.027	2.89
26)	Cyclohexane	2.245	2.236	2.208	2.111	2.017	2.163	4.51
27) s	1,2-Dichloroethane-	1.896	1.923	1.840	1.770	1.698	1.825	5.06

28) I	1,4-Difluorobenzene	-----ISTD-----						
29)	1,1-Dichloropropene	0.372	0.386	0.399	0.389	0.387	0.387	2.47
30) M	2-Butanone	0.083	0.082	0.081	0.080	0.078	0.081	2.33
31)	2,2-Dichloropropane	0.452	0.461	0.465	0.453	0.444	0.455	1.81
32) M	1,1,1-Trichloroetha	0.501	0.506	0.522	0.518	0.517	0.513	1.77
33) M	Carbon Tetrachlorid	0.427	0.460	0.476	0.476	0.480	0.464	4.70
34) M	Benzene	1.100	1.153	1.174	1.153	1.140	1.144	2.38
35)	Methacrylonitrile	0.087	0.102	0.108	0.116	0.117	0.106	11.62
36) M	1,2-Dichloroethane	0.358	0.368	0.378	0.367	0.362	0.367	2.01
37) M	Trichloroethene	0.342	0.355	0.359	0.359	0.361	0.355	2.16
38)	Methylcyclohexane	0.490	0.495	0.505	0.496	0.495	0.496	1.10
39) M	1,2-Dichloropropane	0.270	0.275	0.275	0.264	0.262	0.269	2.26
40)	Dibromomethane	0.192	0.196	0.205	0.203	0.204	0.200	2.87
41) M	Bromodichloromethan	0.373	0.411	0.428	0.426	0.427	0.413	5.64
42) M	Vinyl Acetate	0.425	0.459	0.467	0.461	0.463	0.455	3.73
43)	Ethyl Acetate	0.152	0.182	0.182	0.183	0.179	0.176	7.63
44)	Isopropyl Acetate	0.322	0.357	0.363	0.357	0.355	0.351	4.64
45) T	1,4-Dioxane	0.002	0.003	0.003	0.003	0.003	0.003#	10.28
46)	Methyl methacrylate	0.149	0.163	0.165	0.165	0.167	0.162	4.64
47)	n-amyl Acetate	0.215	0.271	0.316	0.329	0.337	0.293	17.24
48) M	t-1,3-Dichloroprope	0.341	0.385	0.419	0.434	0.436	0.403	9.97
49) T	cis-1,3-Dichloropro	0.383	0.436	0.463	0.470	0.468	0.444	8.27
50) M	1,1,2-Trichloroetha	0.247	0.277	0.285	0.284	0.288	0.276	6.17
51)	Ethyl methacrylate	0.261	0.311	0.337	0.332	0.340	0.316	10.35
52)	1,3-Dichloropropane	0.395	0.428	0.440	0.435	0.433	0.426	4.23

Method Path : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\
 Method File : 624N101218W.M
 Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 Last Update : Fri Oct 12 10:23:44 2018
 Response Via : Initial Calibration

Calibration Files

5 =VN051823.D 20 =VN051824.D 50 =VN051825.D
 100 =VN051826.D 150 =VN051827.D

Compound		5	20	50	100	150	Avg	%RSD

53) M	Dibromochloromethan	0.282	0.320	0.353	0.370	0.383	0.342	11.89
54) M	1,2-Dibromoethane	0.252	0.278	0.301	0.308	0.312	0.290	8.63
55) M	2-Chloroethyl vinyl	0.097	0.134	0.147	0.147	0.151	0.135	16.40
56) M	Bromoform	0.152	0.195	0.235	0.265	0.280	0.225	23.33
57) I	Chlorobenzene-d5	-----ISTD-----						
58) M	4-Methyl-2-Pentanone	0.199	0.204	0.205	0.198	0.197	0.201	1.82
59) M	2-Hexanone	0.137	0.133	0.138	0.134	0.134	0.135	1.57
60) S	4-Bromofluorobenzene	0.385	0.421	0.442	0.457	0.458	0.433	7.05
61) M	Tetrachloroethene	0.391	0.391	0.386	0.377	0.374	0.384	2.02
62) M	Toluene	1.439	1.497	1.522	1.503	1.491	1.490	2.07
63) S	Toluene-d8	1.358	1.333	1.279	1.283	1.260	1.303	3.14
64) M	Chlorobenzene	0.917	0.956	0.995	1.003	1.009	0.976	3.98
65) M	1,1,1,2-Tetrachloro	0.333	0.373	0.384	0.390	0.394	0.375	6.50
66) M	Ethyl Benzene	1.532	1.647	1.689	1.694	1.675	1.647	4.07
67) M	m/p-Xylenes	0.604	0.659	0.684	0.697	0.695	0.668	5.80
68) M	o-Xylene	0.607	0.647	0.679	0.679	0.679	0.658	4.83
69) M	Styrene	0.842	0.953	1.048	1.096	1.112	1.010	11.15
70) M	Isopropylbenzene	1.617	1.713	1.801	1.828	1.818	1.756	5.12
71) M	1,1,2,2-Tetrachloro	0.310	0.344	0.361	0.359	0.360	0.347	6.21
72) M	1,2,3-Trichloroprop	0.260	0.260	0.275	0.273	0.297	0.273	5.56
73) M	Bromobenzene	0.354	0.409	0.450	0.474	0.487	0.435	12.47
74) M	n-propylbenzene	1.640	1.829	1.961	2.016	1.995	1.888	8.29
75) M	2-Chlorotoluene	1.006	1.082	1.145	1.155	1.147	1.107	5.72
76) M	1,3,5-Trimethylbenz	1.266	1.408	1.510	1.541	1.533	1.452	8.05
77) M	t-1,4-Dichloro-2-bu	0.063	0.079	0.096	0.103	0.109	0.090	21.10
78) M	4-Chlorotoluene	0.890	1.043	1.144	1.180	1.182	1.088	11.43
79) M	tert-butylbenzene	1.230	1.302	1.361	1.409	1.373	1.335	5.25
80) M	1,2,4-Trimethylbenz	1.233	1.409	1.519	1.550	1.543	1.451	9.24
81) M	sec-Butylbenzene	1.536	1.701	1.815	1.840	1.840	1.746	7.49
82) M	p-Isopropyltoluene	1.290	1.476	1.646	1.697	1.706	1.563	11.41
83) M	1,3-Dichlorobenzene	0.558	0.701	0.812	0.871	0.894	0.767	18.05
84) M	1,4-Dichlorobenzene	0.488	0.647	0.772	0.840	0.865	0.722	21.62
85) M	n-Butylbenzene	0.825	1.103	1.276	1.336	1.352	1.178	18.75
86) T	Hexachloroethane	0.224	0.247	0.282	0.294	0.300	0.269	12.06
87) M	1,2-Dichlorobenzene	0.559	0.689	0.790	0.833	0.844	0.743	16.10
88) M	1,2-Dibromo-3-Chlor	0.045	0.049	0.053	0.055	0.057	0.052	9.62
89) M	1,2,4-Trichlorobenz	0.162	0.275	0.382	0.436	0.476	0.346	36.83
90) M	Hexachlorobutadiene	0.220	0.232	0.244	0.250	0.251	0.239	5.52
91) M	Naphthalene	0.362	0.524	0.759	0.887	0.986	0.704	36.62
92) M	1,2,3-Trichlorobenz	0.177	0.284	0.374	0.412	0.443	0.338	31.93

(#) = Out of Range