

Method Path : Z:\voasrv\HPCHEM1\MSVOA_N\methods\
 Method File : 624N090321W.M
 Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 Last Update : Fri Sep 03 13:24:01 2021
 Response Via : Initial Calibration

Calibration Files

5 =VN068399.D 20 =VN068400.D 50 =VN068401.D 100 =VN068402.D 150 =VN068403.D

Compound		5	20	50	100	150	Avg	%RSD

1) I	Bromochloromethane	-----ISTD-----						
2) M	Dichlorodifluoro...	1.361	1.659	1.486	1.562	1.527	1.519	7.16
3) M	Chloromethane	1.417	1.508	1.328	1.345	1.274	1.374	6.57
4) M	Vinyl Chloride	2.029	2.305	2.023	2.009	1.875	2.048	7.66
5) M	Bromomethane	2.183	2.123	1.732	1.861	1.491	1.878	15.17
6) M	Chloroethane	1.525	1.635	1.415	1.401	1.329	1.461	8.21
7) M	Trichlorofluorom...	2.948	3.029	2.590	2.744	2.695	2.801	6.50
8) T	Diethyl Ether	0.912	0.940	0.815	0.893	0.889	0.890	5.23
9)	1,1,2-Trichlorot...	1.647	1.697	1.475	1.582	1.562	1.593	5.31
10) M	1,1-Dichloroethene	1.533	1.583	1.381	1.493	1.493	1.496	4.98
11)	Methyl Iodide	2.153	2.412	2.327	2.558	2.586	2.407	7.36
12)	Methyl Acetate	1.698	1.587	1.363	1.486	1.396	1.506	9.18
13) M	Acrolein	0.158	0.129	0.123	0.131	0.133	0.135	9.90
14) M	Acrylonitrile	0.623	0.647	0.582	0.619	0.583	0.611	4.55
15) M	Acetone	0.178	0.212	0.170	0.172	0.165	0.180	10.46
16) M	Carbon Disulfide	4.182	4.065	3.641	3.884	3.780	3.910	5.54
17)	Allyl chloride	1.683	2.006	1.788	1.894	1.794	1.833	6.67
18) M	Methylene Chloride	1.870	1.726	1.496	1.580	1.517	1.638	9.66
19) M	trans-1,2-Dichlo...	1.723	1.718	1.569	1.706	1.624	1.668	4.10
20) T	Diisopropyl ether	4.063	4.391	3.943	3.943	3.689	4.006	6.36
21) M	1,1-Dichloroethane	2.778	2.842	2.523	2.617	2.487	2.649	5.87
22) M	cis-1,2-Dichloro...	1.970	1.980	1.859	1.982	1.900	1.938	2.88
23) M	tert-Butyl Alcohol	0.233	0.233	0.213	0.220	0.221	0.224	3.86
24) M	Methyl tert-Buty...	4.771	5.164	4.647	4.982	4.745	4.862	4.29
25) M	Chloroform	3.303	3.289	2.965	3.086	2.915	3.112	5.77
26)	Cyclohexane	2.280	2.491	2.279	2.343	2.210	2.321	4.57
27) s	1,2-Dichloroetha...	1.882	1.861	1.772	1.694	1.683	1.779	5.18
28) I	1,4-Difluorobenzene	-----ISTD-----						
29)	1,1-Dichloropropene	0.430	0.450	0.413	0.444	0.414	0.430	3.90
30) M	2-Butanone	0.158	0.164	0.146	0.158	0.144	0.154	5.60
31)	2,2-Dichloropropane	0.498	0.513	0.456	0.507	0.477	0.490	4.77
32) M	1,1,1-Trichloroe...	0.561	0.591	0.540	0.587	0.548	0.565	4.04
33) M	Carbon Tetrachlo...	0.497	0.534	0.506	0.554	0.519	0.522	4.33
34) M	Benzene	1.293	1.326	1.227	1.305	1.209	1.272	4.01
35)	Methacrylonitrile	0.157	0.149	0.142	0.159	0.145	0.150	4.80
36) M	1,2-Dichloroethane	0.443	0.454	0.401	0.433	0.398	0.426	5.89
37) M	Trichloroethene	0.396	0.416	0.387	0.429	0.405	0.407	4.10
38)	Methylcyclohexane	0.506	0.579	0.549	0.600	0.560	0.559	6.28
39) M	1,2-Dichloropropane	0.312	0.315	0.291	0.306	0.284	0.302	4.50
40)	Dibromomethane	0.240	0.248	0.228	0.248	0.229	0.239	4.10
41) M	Bromodichloromet...	0.448	0.481	0.447	0.479	0.450	0.461	3.78
42) M	Vinyl Acetate	0.559	0.607	0.563	0.615	0.568	0.582	4.55
43)	Ethyl Acetate	0.294	0.312	0.302	0.331	0.293	0.306	5.11
44)	Isopropyl Acetate	0.560	0.586	0.530	0.575	0.531	0.556	4.52
45) T	1,4-Dioxane	0.005	0.005	0.005	0.005	0.005	0.005#	2.77
46)	Methyl methacrylate	0.207	0.258	0.219	0.256	0.237	0.235	9.60
47)	n-amyl Acetate	0.341	0.386	0.364	0.411	0.400	0.381	7.39
48) M	t-1,3-Dichloropr...	0.413	0.464	0.441	0.489	0.462	0.454	6.25
49) T	cis-1,3-Dichloro...	0.458	0.511	0.490	0.539	0.505	0.500	5.93
50) M	1,1,2-Trichloroe...	0.338	0.352	0.323	0.347	0.323	0.337	3.95
51)	Ethyl methacrylate	0.383	0.449	0.426	0.466	0.441	0.433	7.27
52)	1,3-Dichloropropane	0.498	0.543	0.495	0.522	0.484	0.508	4.67
53) M	Dibromochloromet...	0.353	0.415	0.404	0.441	0.417	0.406	8.04
54) M	1,2-Dibromoethane	0.336	0.361	0.343	0.372	0.348	0.352	4.07
55) M	2-Chloroethyl vi...	0.025	0.026	0.037	0.054	0.054	0.039#	36.94
56) M	Bromoform	0.245	0.304	0.316	0.350	0.338	0.310	13.16

Method Path : Z:\voasrv\HPCHEM1\MSVOA_N\methods\
 Method File : 624N090321W.M

		-----ISTD-----							
57) I	Chlorobenzene-d5								
58) M	4-Methyl-2-Penta...	0.354	0.372	0.334	0.357	0.329	0.349		5.06
59) M	2-Hexanone	0.259	0.256	0.227	0.242	0.227	0.242		6.41
60) S	4-Bromofluoroben...	0.405	0.433	0.428	0.426	0.432	0.425		2.68
61) M	Tetrachloroethene	0.479	0.479	0.445	0.476	0.440	0.464		4.23
62) M	Toluene	1.706	1.728	1.569	1.673	1.554	1.646		4.86
63) S	Toluene-d8	1.400	1.368	1.324	1.310	1.278	1.336		3.60
64) M	Chlorobenzene	1.093	1.088	1.005	1.092	1.029	1.061		3.90
65)	1,1,1,2-Tetrachl...	0.401	0.443	0.413	0.449	0.419	0.425		4.79
66) M	Ethyl Benzene	1.721	1.856	1.702	1.845	1.735	1.772		4.12
67) M	m/p-Xylenes	0.693	0.765	0.700	0.759	0.716	0.727		4.61
68) M	o-Xylene	0.650	0.733	0.686	0.744	0.706	0.704		5.38
69) M	Styrene	0.989	1.143	1.084	1.193	1.146	1.111		7.05
70)	Isopropylbenzene	1.693	1.904	1.761	1.903	1.802	1.813		5.06
71) M	1,1,2,2-Tetrachl...	0.463	0.501	0.447	0.470	0.437	0.464		5.32
72)	1,2,3-Trichlorop...	0.443	0.413	0.369	0.338	0.338	0.380		12.27
73)	Bromobenzene	0.470	0.508	0.487	0.534	0.509	0.502		4.87
74)	n-propylbenzene	1.800	2.058	1.911	2.058	1.962	1.958		5.54
75)	2-Chlorotoluene	1.119	1.235	1.119	1.198	1.138	1.162		4.47
76)	1,3,5-Trimethylb...	1.388	1.599	1.463	1.561	1.486	1.500		5.56
77)	t-1,4-Dichloro-2...	0.092	0.111	0.112	0.134	0.127	0.115		14.17
78)	4-Chlorotoluene	1.113	1.193	1.088	1.174	1.128	1.139		3.78
79)	tert-butylbenzene	1.235	1.444	1.348	1.446	1.381	1.371		6.35
80)	1,2,4-Trimethylb...	1.311	1.552	1.429	1.529	1.462	1.457		6.53
81)	sec-Butylbenzene	1.667	1.933	1.799	1.944	1.859	1.840		6.16
82)	p-Isopropyltoluene	1.351	1.647	1.570	1.707	1.644	1.584		8.76
83) M	1,3-Dichlorobenzene	0.807	0.916	0.870	0.939	0.897	0.886		5.74
84) M	1,4-Dichlorobenzene	0.788	0.874	0.832	0.907	0.870	0.854		5.32
85)	n-Butylbenzene	1.084	1.152	1.134	1.281	1.254	1.181		7.05
86) T	Hexachloroethane	0.231	0.272	0.262	0.292	0.282	0.268		8.81
87) M	1,2-Dichlorobenzene	0.782	0.874	0.827	0.887	0.840	0.842		4.92
88)	1,2-Dibromo-3-Ch...	0.078	0.079	0.076	0.086	0.082	0.080		4.89
89)	1,2,4-Trichlorob...	0.397	0.393	0.442	0.510	0.519	0.452		13.32
90)	Hexachlorobutadiene	0.240	0.252	0.271	0.288	0.277	0.266		7.28
91) M	Naphthalene	0.939	0.777	0.887	1.083	1.094	0.956		14.05
92)	1,2,3-Trichlorob...	0.422	0.369	0.409	0.473	0.478	0.430		10.67

(#) = Out of Range