

Method Path : Z:\voasrv\HPCHEM1\MSVOA_N\methods\
 Method File : 624N050721W.M
 Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 Last Update : Fri May 07 07:26:20 2021
 Response Via : Initial Calibration

Calibration Files

5 =VN067019.D 10 =VN067020.D 20 =VN067021.D 50 =VN067022.D 100 =VN067023.D

Compound		5	10	20	50	100	Avg	%RSD

1) I	Bromochloromethane	-----ISTD-----						
2) M	Dichlorodifluoro...	1.751	1.954	2.033	2.196	2.326	2.052	10.80
3) M	Chloromethane	3.087	3.100	2.909	3.088	3.465	3.130	6.50
4) M	Vinyl Chloride	2.884	3.048	2.793	3.024	3.385	3.027	7.46
5) M	Bromomethane	1.652	1.803	1.543	1.665	1.780	1.689	6.25
6) M	Chloroethane	1.788	1.804	1.585	1.716	1.828	1.744	5.63
7) M	Trichlorofluorom...	3.622	3.861	3.440	3.660	3.799	3.676	4.48
8) T	Diethyl Ether	1.224	1.266	1.099	1.269	1.352	1.242	7.46
9)	1,1,2-Trichlorot...	1.800	1.869	1.662	1.761	1.805	1.779	4.28
10) M	1,1-Dichloroethene	1.704	1.720	1.558	1.712	1.845	1.708	5.96
11)	Methyl Iodide	2.080	2.355	2.121	2.431	2.629	2.323	9.78
12)	Methyl Acetate	2.545	2.547	2.162	2.393	2.487	2.427	6.63
13) M	Acrolein	0.403	0.412	0.348	0.394	0.426	0.397	7.52
14) M	Acrylonitrile	0.896	0.965	0.878	0.996	1.062	0.960	7.81
15) M	Acetone	0.287	0.283	0.253	0.279	0.291	0.279	5.40
16) M	Carbon Disulfide	5.623	5.924	5.233	5.579	5.889	5.650	4.95
17)	Allyl chloride	3.262	3.413	2.821	3.466	3.714	3.335	9.90
18) M	Methylene Chloride	2.561	2.429	2.108	2.205	2.288	2.318	7.74
19) M	trans-1,2-Dichlo...	1.833	1.946	1.721	1.921	1.980	1.880	5.53
20) T	Diisopropyl ether	5.498	6.479	5.744	6.375	6.687	6.156	8.27
21) M	1,1-Dichloroethane	4.091	4.339	3.753	4.054	4.229	4.093	5.41
22) M	cis-1,2-Dichloro...	2.012	2.246	1.973	2.219	2.331	2.156	7.22
23) M	tert-Butyl Alcohol	0.406	0.371	0.333	0.390	0.412	0.382	8.29
24) M	Methyl tert-Buty...	5.208	5.688	5.196	5.912	6.296	5.660	8.32
25) M	Chloroform	4.051	4.135	3.571	3.908	4.081	3.949	5.76
26)	Cyclohexane	2.488	2.804	2.587	3.031	3.311	2.844	11.76
27) s	1,2-Dichloroetha...	2.652	2.639	2.650	2.582	2.621	2.629	1.11
28) I	1,4-Difluorobenzene	-----ISTD-----						
29)	1,1-Dichloropropene	0.464	0.542	0.484	0.552	0.581	0.525	9.32
30) M	2-Butanone	0.228	0.259	0.228	0.266	0.278	0.252	9.00
31)	2,2-Dichloropropane	0.667	0.686	0.572	0.620	0.621	0.633	7.03
32) M	1,1,1-Trichloroe...	0.699	0.737	0.624	0.669	0.677	0.681	6.05
33) M	Carbon Tetrachlo...	0.604	0.639	0.543	0.580	0.598	0.593	5.89
34) M	Benzene	1.695	1.793	1.560	1.706	1.752	1.701	5.18
35)	Methacrylonitrile	0.262	0.212	0.212	0.242	0.248	0.235	9.45
36) M	1,2-Dichloroethane	0.667	0.661	0.583	0.625	0.634	0.634	5.30
37) M	Trichloroethene	0.364	0.387	0.336	0.370	0.383	0.368	5.45
38)	Methylcyclohexane	0.478	0.495	0.466	0.562	0.609	0.522	11.73
39) M	1,2-Dichloropropane	0.481	0.495	0.437	0.468	0.478	0.472	4.58
40)	Dibromomethane	0.303	0.308	0.265	0.289	0.295	0.292	5.77
41) M	Bromodichloromet...	0.634	0.651	0.551	0.615	0.630	0.616	6.27
42) M	Vinyl Acetate	0.973	1.108	1.000	1.158	1.181	1.084	8.61
43)	Ethyl Acetate	0.673	0.560	0.569	0.570	0.590	0.593	7.82
44)	Isopropyl Acetate	0.847	0.920	0.810	0.937	0.988	0.900	7.92
45) T	1,4-Dioxane	0.005	0.006	0.005	0.006	0.007	0.006#	15.05
46)	Methyl methacrylate	0.331	0.353	0.334	0.421	0.456	0.379	14.80
47)	n-amyl Acetate	0.005	0.002	0.001	0.367	0.643	0.204	143.33
48) M	t-1,3-Dichloropr...	0.576	0.629	0.569	0.665	0.718	0.631	9.92
49) T	cis-1,3-Dichloro...	0.650	0.701	0.631	0.719	0.759	0.692	7.50
50) M	1,1,2-Trichloroe...	0.405	0.432	0.369	0.398	0.414	0.404	5.70
51)	Ethyl methacrylate	0.397	0.490	0.467	0.604	0.680	0.527	21.46
52)	1,3-Dichloropropane	0.687	0.714	0.634	0.718	0.752	0.701	6.31
53) M	Dibromochloromet...	0.433	0.456	0.403	0.450	0.475	0.444	6.12
54) M	1,2-Dibromoethane	0.348	0.399	0.356	0.401	0.425	0.386	8.45
55) M	2-Chloroethyl vi...	0.071	0.090	0.086	0.118	0.141	0.101	27.63
56) M	Bromoform	0.255	0.294	0.257	0.315	0.352	0.295	13.78

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		-----ISTD-----						
57) I	Chlorobenzene-d5							
58) M	4-Methyl-2-Penta...	0.504	0.575	0.518	0.602	0.609	0.562	8.53
59) M	2-Hexanone	0.217	0.296	0.303	0.403	0.438	0.331	26.89
60) S	4-Bromofluoroben...	0.422	0.469	0.503	0.538	0.562	0.499	11.14
61) M	Tetrachloroethene	0.359	0.365	0.313	0.331	0.333	0.340	6.34
62) M	Toluene	1.891	1.957	1.685	1.862	1.857	1.851	5.43
63) S	Toluene-d8	1.542	1.500	1.499	1.475	1.414	1.486	3.15
64) M	Chlorobenzene	1.077	1.118	0.992	1.090	1.127	1.081	4.97
65)	1,1,1,2-Tetrachl...	0.449	0.468	0.390	0.419	0.431	0.431	6.88
66) M	Ethyl Benzene	1.645	1.838	1.719	2.046	2.145	1.879	11.30
67) M	m/p-Xylenes	0.596	0.692	0.641	0.774	0.824	0.706	13.25
68) M	o-Xylene	0.590	0.697	0.625	0.760	0.808	0.696	13.04
69) M	Styrene	0.807	1.011	0.971	1.209	1.352	1.070	19.90
70)	Isopropylbenzene	1.496	1.749	1.634	2.016	2.133	1.806	14.63
71) M	1,1,2,2-Tetrachl...	0.606	0.663	0.625	0.689	0.702	0.657	6.24
72)	1,2,3-Trichlorop...	0.410	0.627	0.559	0.670	0.713	0.596	19.90
73)	Bromobenzene	0.388	0.432	0.400	0.460	0.501	0.436	10.53
74)	n-propylbenzene	1.555	1.911	1.896	2.382	2.604	2.070	20.27
75)	2-Chlorotoluene	0.990	1.319	1.252	1.481	1.610	1.330	17.74
76)	1,3,5-Trimethylb...	1.293	1.514	1.463	1.775	1.936	1.596	16.09
77)	t-1,4-Dichloro-2...	0.056	0.087	0.117	0.182	0.225	0.133	51.65
78)	4-Chlorotoluene	0.604	1.102	1.164	1.462	1.636	1.194	33.11
79)	tert-butylbenzene	1.149	1.288	1.223	1.492	1.610	1.352	14.21
80)	1,2,4-Trimethylb...	1.075	1.400	1.374	1.713	1.921	1.496	21.89
81)	sec-Butylbenzene	1.394	1.625	1.608	2.041	2.272	1.788	20.02
82)	p-Isopropyltoluene	0.933	1.298	1.273	1.677	1.929	1.422	27.20
83) M	1,3-Dichlorobenzene	0.533	0.680	0.647	0.830	0.927	0.724	21.52
84) M	1,4-Dichlorobenzene	0.821	0.589	0.611	0.799	0.926	0.749	19.31
85)	n-Butylbenzene	0.886	0.965	0.949	1.314	1.610	1.145	27.03
86) T	Hexachloroethane	0.305	0.318	0.278	0.321	0.353	0.315	8.63
87) M	1,2-Dichlorobenzene	0.577	0.744	0.685	0.839	0.907	0.750	17.22
88)	1,2-Dibromo-3-Ch...	0.155	0.120	0.095	0.124	0.144	0.127	18.30
89)	1,2,4-Trichlorob...	0.309	0.335	0.317	0.438	0.494	0.379	21.84
90)	Hexachlorobutadiene	0.254	0.254	0.219	0.265	0.286	0.256	9.40
91) M	Naphthalene	0.837	0.866	0.887	1.222	1.377	1.038	23.67
92)	1,2,3-Trichlorob...	0.351	0.373	0.344	0.432	0.484	0.397	15.09

(#) = Out of Range