

Method Path : Z:\voasrv\HPCHEM1\MSVOA_N\methods\
 Method File : 624N122024W.M
 Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 Last Update : Sat Dec 21 02:03:07 2024
 Response Via : Initial Calibration

Calibration Files

5 =VN085272.D 20 =VN085273.D 50 =VN085274.D 100 =VN085275.D 150 =VN085276.D

	Compound	5	20	50	100	150	Avg	%RSD
1) I	Bromochloromethane	-----ISTD-----						
2) M	Dichlorodifluoro...	2.400	2.651	2.538	2.398	2.555	2.508	4.33
3) M	Chloromethane	2.717	2.623	2.537	2.356	2.430	2.533	5.72
4) M	Vinyl Chloride	2.739	2.617	2.511	2.443	2.548	2.572	4.38
5) M	Bromomethane	1.684	1.486	1.447	1.406	1.495	1.503	7.12
6) M	Chloroethane	1.819	1.683	1.574	1.486	1.555	1.623	8.01
7) M	Trichlorofluorom...	3.660	3.639	3.515	3.359	3.492	3.533	3.45
8) T	Diethyl Ether	1.187	1.178	1.211	1.214	1.293	1.217	3.75
9)	1,1,2-Trichlorot...	2.102	2.090	1.976	1.943	2.033	2.029	3.42
10) M	1,1-Dichloroethene	1.861	1.828	1.825	1.812	1.940	1.853	2.80
11)	Methyl Iodide	1.796	2.134	2.294	2.348	2.534	2.221	12.47
12)	Methyl Acetate	2.533	2.813	2.754	2.736	3.003	2.768	6.09
13) M	Acrolein	0.327	0.221	0.221	0.212	0.255	0.247	19.38
14) M	Acrylonitrile	0.962	1.074	1.078	1.080	1.158	1.070	6.53
15) M	Acetone	0.271	0.275	0.263	0.262	0.279	0.270	2.80
16) M	Carbon Disulfide	5.982	5.697	5.501	5.326	5.663	5.634	4.34
17)	Allyl chloride	2.801	2.937	3.000	2.997	3.255	2.998	5.49
18) M	Methylene Chloride	2.390	2.246	2.145	2.069	2.193	2.208	5.45
19) M	trans-1,2-Dichlo...	1.886	1.924	1.933	1.885	2.011	1.928	2.66
20) T	Diisopropyl ether	6.232	7.037	6.941	6.842	7.302	6.871	5.76
21) M	1,1-Dichloroethane	4.112	4.091	3.945	3.848	4.088	4.017	2.88
22) M	cis-1,2-Dichloro...	2.237	2.285	2.270	2.289	2.396	2.295	2.61
23) M	tert-Butyl Alcohol	0.310	0.337	0.354	0.368	0.396	0.353	9.20
24) M	Methyl tert-Buty...	5.238	6.026	6.157	6.242	6.753	6.083	8.99
25) M	Chloroform	4.294	4.193	3.985	3.831	4.055	4.072	4.43
26)	Cyclohexane	2.588	3.018	3.154	3.187	3.367	3.063	9.57
27) s	1,2-Dichloroetha...	2.636	2.656	2.614	2.597	2.692	2.639	1.41
28) I	1,4-Difluorobenzene	-----ISTD-----						
29)	1,1-Dichloropropene	0.512	0.528	0.518	0.529	0.518	0.521	1.41
30) M	2-Butanone	0.258	0.280	0.275	0.282	0.279	0.275	3.51
31)	2,2-Dichloropropane	0.688	0.678	0.647	0.648	0.639	0.660	3.31
32) M	1,1,1-Trichloroe...	0.743	0.695	0.657	0.649	0.641	0.677	6.25
33) M	Carbon Tetrachlo...	0.643	0.605	0.581	0.573	0.561	0.593	5.47
34) M	Benzene	1.746	1.700	1.610	1.606	1.570	1.646	4.47
35)	Methacrylonitrile	0.296	0.307	0.300	0.307	0.311	0.304	1.94
36) M	1,2-Dichloroethane	0.669	0.610	0.577	0.568	0.553	0.595	7.73
37) M	Trichloroethene	0.383	0.368	0.354	0.353	0.352	0.362	3.72
38)	Methylcyclohexane	0.495	0.500	0.547	0.582	0.571	0.539	7.46
39) M	1,2-Dichloropropane	0.441	0.431	0.413	0.405	0.404	0.419	3.94
40)	Dibromomethane	0.318	0.299	0.287	0.281	0.276	0.292	5.76
41) M	Bromodichloromet...	0.645	0.633	0.595	0.592	0.587	0.610	4.38
42) M	Vinyl Acetate	0.845	0.964	0.995	1.025	1.025	0.971	7.69
43)	Ethyl Acetate	0.564	0.558	0.567	0.581	0.573	0.569	1.59
44)	Isopropyl Acetate	0.920	0.950	0.929	0.966	0.958	0.945	2.08
45) T	1,4-Dioxane	0.007	0.007	0.008	0.008	0.007	0.007	5.72
46)	Methyl methacrylate	0.385	0.441	0.449	0.460	0.457	0.438	7.00
47)	n-amyl Acetate	0.647	0.787	0.819	0.877	0.893	0.805	12.18
48) M	t-1,3-Dichloropr...	0.583	0.595	0.604	0.614	0.619	0.603	2.39
49) T	cis-1,3-Dichloro...	0.647	0.645	0.644	0.655	0.650	0.648	0.74
50) M	1,1,2-Trichloroe...	0.421	0.402	0.367	0.365	0.355	0.382	7.39
51)	Ethyl methacrylate	0.464	0.555	0.596	0.631	0.641	0.578	12.43
52)	1,3-Dichloropropane	0.678	0.694	0.659	0.662	0.641	0.667	3.01
53) M	Dibromochloromet...	0.475	0.466	0.437	0.431	0.429	0.448	4.81
54) M	1,2-Dibromoethane	0.375	0.376	0.364	0.369	0.364	0.370	1.56
55) M	2-Chloroethyl vi...	0.283	0.293	0.300	0.297	0.315	0.298	3.96
56) M	Bromoform	0.304	0.294	0.284	0.291	0.288	0.292	2.56

Method Path : Z:\voasrv\HPCHEM1\MSVOA_N\methods\
 Method File : 624N122024W.M

57) I	Chlorobenzene-d5	-----ISTD-----						
58) M	4-Methyl-2-Penta...	0.568	0.637	0.612	0.608	0.616	0.608	4.11
59) M	2-Hexanone	0.392	0.459	0.451	0.452	0.455	0.442	6.29
60) S	4-Bromofluoroben...	0.468	0.488	0.484	0.489	0.501	0.486	2.49
61) M	Tetrachloroethene	0.387	0.344	0.324	0.310	0.310	0.335	9.63
62) M	Toluene	1.976	1.904	1.792	1.773	1.770	1.843	5.02
63) S	Toluene-d8	1.528	1.510	1.446	1.411	1.430	1.465	3.51
64) M	Chlorobenzene	1.163	1.131	1.095	1.080	1.089	1.112	3.13
65)	1,1,1,2-Tetrachl...	0.434	0.420	0.393	0.385	0.384	0.403	5.59
66) M	Ethyl Benzene	1.810	1.922	1.957	2.001	2.007	1.939	4.12
67) M	m/p-Xylenes	0.658	0.752	0.748	0.743	0.737	0.728	5.40
68) M	o-Xylene	0.645	0.695	0.705	0.714	0.706	0.693	4.03
69) M	Styrene	0.978	1.193	1.232	1.227	1.225	1.171	9.31
70)	Isopropylbenzene	1.500	1.731	1.802	1.822	1.846	1.740	8.11
71) M	1,1,2,2-Tetrachl...	0.698	0.626	0.594	0.586	0.583	0.617	7.84
72)	1,2,3-Trichlorop...	0.611	0.505	0.558	0.480	0.473	0.525	11.11
73)	Bromobenzene	0.422	0.444	0.432	0.426	0.425	0.430	2.04
74)	n-propylbenzene	1.954	2.178	2.211	2.249	2.248	2.168	5.68
75)	2-Chlorotoluene	1.208	1.315	1.329	1.346	1.333	1.306	4.30
76)	1,3,5-Trimethylb...	1.270	1.515	1.555	1.556	1.529	1.485	8.18
77)	t-1,4-Dichloro-2...	0.189	0.201	0.216	0.228	0.240	0.215	9.39
78)	4-Chlorotoluene	1.236	1.330	1.355	1.362	1.356	1.328	3.98
79)	tert-butylbenzene	1.058	1.174	1.266	1.288	1.285	1.214	8.15
80)	1,2,4-Trimethylb...	1.223	1.494	1.555	1.569	1.549	1.478	9.84
81)	sec-Butylbenzene	1.509	1.713	1.826	1.858	1.858	1.753	8.48
82)	p-Isopropyltoluene	1.196	1.376	1.521	1.561	1.565	1.444	10.96
83) M	1,3-Dichlorobenzene	0.775	0.818	0.808	0.810	0.798	0.802	2.08
84) M	1,4-Dichlorobenzene	0.741	0.754	0.794	0.791	0.798	0.776	3.36
85)	n-Butylbenzene	0.997	1.149	1.290	1.387	1.410	1.247	13.90
86) T	Hexachloroethane	0.313	0.318	0.305	0.306	0.308	0.310	1.76
87) M	1,2-Dichlorobenzene	0.730	0.768	0.784	0.766	0.760	0.762	2.61
88)	1,2-Dibromo-3-Ch...	0.101	0.112	0.115	0.116	0.120	0.113	6.08
89)	1,2,4-Trichlorob...	0.303	0.344	0.373	0.383	0.402	0.361	10.66
90)	Hexachlorobutadiene	0.202	0.179	0.174	0.174	0.172	0.180	6.87
91) M	Naphthalene	0.790	1.044	1.199	1.333	1.431	1.159	21.79
92)	1,2,3-Trichlorob...	0.303	0.344	0.373	0.383	0.402	0.361	10.66

(#) = Out of Range