

Method Path : Z:\voasrv\HPCHEM1\MSVOA_X\Method\
 Method File : 624X010825W.M
 Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 Last Update : Thu Jan 09 02:10:37 2025
 Response Via : Initial Calibration

Calibration Files

5 =VX044634.D 20 =VX044635.D 50 =VX044636.D 100 =VX044637.D 150 =VX044638.D

	Compound	5	20	50	100	150	Avg	%RSD
1) I	Bromochloromethane	-----ISTD-----						
2) M	Dichlorodifluoro...	2.477	2.738	2.718	2.782	2.832	2.709	5.06
3) M	Chloromethane	2.751	2.692	2.672	2.757	2.724	2.719	1.36
4) M	Vinyl Chloride	2.436	2.499	2.600	2.640	2.633	2.561	3.52
5) M	Bromomethane	1.324	1.258	1.225	1.308	1.340	1.291	3.72
6) M	Chloroethane	1.422	1.567	1.570	1.270	1.339	1.433	9.38
7) M	Trichlorofluorom...	3.662	3.885	3.936	4.046	4.156	3.937	4.73
8) T	Diethyl Ether	1.603	1.460	1.493	1.480	1.530	1.513	3.71
9)	1,1,2-Trichlorot...	2.067	2.030	2.076	2.135	2.268	2.115	4.42
10) M	1,1-Dichloroethene	1.985	1.950	2.072	2.140	2.254	2.080	5.89
11)	Methyl Iodide	2.619	2.835	2.969	3.045	3.069	2.907	6.37
12)	Methyl Acetate	2.961	2.821	2.843	2.995	3.061	2.936	3.47
13) M	Acrolein	0.545	0.483	0.517	0.562	0.586	0.539	7.41
14) M	Acrylonitrile	1.077	1.066	1.096	1.140	1.138	1.103	3.08
15) M	Acetone	0.283	0.279	0.276	0.277	0.288	0.280	1.74
16) M	Carbon Disulfide	3.564	3.884	4.624	5.180	5.551	4.560	18.41
17)	Allyl chloride	3.110	3.348	3.581	3.873	4.020	3.586	10.37
18) M	Methylene Chloride	2.514	2.323	2.322	2.451	2.441	2.410	3.53
19) M	trans-1,2-Dichlo...	1.988	2.033	2.115	2.214	2.296	2.129	5.97
20) T	Diisopropyl ether	7.167	7.205	7.442	7.859	8.002	7.535	5.03
21) M	1,1-Dichloroethane	4.053	4.035	4.213	4.404	4.530	4.247	5.11
22) M	cis-1,2-Dichloro...	2.528	2.514	2.563	2.724	2.786	2.623	4.72
23) M	tert-Butyl Alcohol	0.503	0.397	0.374	0.392	0.422	0.418	12.21
24) M	Methyl tert-Buty...	7.078	7.011	7.423	7.852	8.025	7.478	6.06
25) M	Chloroform	4.530	4.458	4.473	4.608	4.712	4.556	2.31
26)	Cyclohexane	3.224	3.195	3.363	3.441	3.579	3.360	4.71
27) s	1,2-Dichloroetha...	3.375	3.297	3.180	3.327	3.243	3.284	2.29
28) I	1,4-Difluorobenzene	-----ISTD-----						
29)	1,1-Dichloropropene	0.518	0.511	0.554	0.562	0.559	0.541	4.47
30) M	2-Butanone	0.263	0.281	0.285	0.293	0.283	0.281	3.86
31)	2,2-Dichloropropane	0.576	0.601	0.633	0.676	0.677	0.633	7.08
32) M	1,1,1-Trichloroe...	0.694	0.720	0.754	0.787	0.776	0.746	5.20
33) M	Carbon Tetrachlo...	0.562	0.560	0.618	0.645	0.654	0.608	7.37
34) M	Benzene	1.677	1.643	1.696	1.734	1.675	1.685	1.97
35)	Methacrylonitrile	0.325	0.323	0.329	0.343	0.330	0.330	2.46
36) M	1,2-Dichloroethane	0.701	0.702	0.702	0.722	0.695	0.704	1.48
37) M	Trichloroethene	0.406	0.399	0.457	0.426	0.417	0.421	5.39
38)	Methylcyclohexane	0.607	0.631	0.750	0.692	0.689	0.674	8.34
39) M	1,2-Dichloropropane	0.405	0.398	0.446	0.430	0.415	0.419	4.60
40)	Dibromomethane	0.318	0.321	0.347	0.333	0.323	0.328	3.64
41) M	Bromodichloromet...	0.539	0.575	0.658	0.667	0.644	0.617	9.14
42) M	Vinyl Acetate	1.036	1.115	1.206	1.284	1.264	1.181	8.83
43)	Ethyl Acetate	0.609	0.529	0.586	0.613	0.585	0.584	5.77
44)	Isopropyl Acetate	0.896	0.931	0.995	1.025	1.008	0.971	5.66
45) T	1,4-Dioxane	0.007	0.006	0.007	0.007	0.007	0.007	4.71
46)	Methyl methacrylate	0.407	0.462	0.489	0.509	0.500	0.474	8.70
47)	n-amyl Acetate	0.641	0.716	0.808	0.875	0.898	0.788	13.76
48) M	t-1,3-Dichloropr...	0.497	0.542	0.597	0.660	0.689	0.597	13.36
49) T	cis-1,3-Dichloro...	0.549	0.606	0.730	0.780	0.743	0.682	14.53
50) M	1,1,2-Trichloroe...	0.401	0.405	0.405	0.433	0.438	0.416	4.20
51)	Ethyl methacrylate	0.535	0.600	0.641	0.676	0.728	0.636	11.53
52)	1,3-Dichloropropane	0.704	0.714	0.706	0.714	0.730	0.713	1.43
53) M	Dibromochloromet...	0.348	0.392	0.430	0.496	0.499	0.433	15.12
54) M	1,2-Dibromoethane	0.399	0.420	0.421	0.460	0.441	0.428	5.43
55) M	2-Chloroethyl vi...	0.274	0.296	0.325	0.350	0.322	0.313	9.41
56) M	Bromoform	0.198	0.224	0.260	0.324	0.331	0.267	22.19

Method Path : Z:\voasrv\HPCHEM1\MSVOA_X\Method\
 Method File : 624X010825W.M

57) I	Chlorobenzene-d5	-----ISTD-----						
58) M	4-Methyl-2-Penta...	0.602	0.620	0.673	0.583	0.581	0.612	6.18
59) M	2-Hexanone	0.419	0.443	0.469	0.354	0.428	0.423	10.06
60) S	4-Bromofluoroben...	0.556	0.575	0.573	0.558	0.537	0.560	2.74
61) M	Tetrachloroethene	0.401	0.395	0.394	0.377	0.361	0.385	4.26
62) M	Toluene	1.945	1.958	2.050	1.978	1.939	1.974	2.28
63) S	Toluene-d8	1.703	1.699	1.767	1.623	1.595	1.677	4.11
64) M	Chlorobenzene	1.215	1.186	1.248	1.240	1.239	1.226	2.07
65)	1,1,1,2-Tetrachl...	0.383	0.400	0.429	0.434	0.435	0.416	5.64
66) M	Ethyl Benzene	2.053	2.085	2.214	2.132	2.130	2.123	2.86
67) M	m/p-Xylenes	0.738	0.790	0.821	0.827	0.815	0.798	4.61
68) M	o-Xylene	0.739	0.772	0.800	0.795	0.790	0.779	3.21
69) M	Styrene	1.184	1.262	1.350	1.329	1.345	1.294	5.47
70)	Isopropylbenzene	1.939	1.993	2.070	2.009	2.030	2.008	2.40
71) M	1,1,2,2-Tetrachl...	0.625	0.639	0.653	0.586	0.622	0.625	3.98
72)	1,2,3-Trichlorop...	0.560	0.586	0.562	0.484	0.534	0.545	7.17
73)	Bromobenzene	0.465	0.487	0.488	0.449	0.471	0.472	3.50
74)	n-propylbenzene	2.340	2.226	2.412	2.129	2.274	2.276	4.76
75)	2-Chlorotoluene	1.609	1.439	1.489	1.291	1.326	1.431	8.97
76)	1,3,5-Trimethylb...	1.819	1.699	1.748	1.525	1.556	1.669	7.53
77)	t-1,4-Dichloro-2...	0.122	0.160	0.185	0.193	0.207	0.173	19.38
78)	4-Chlorotoluene	1.656	1.596	1.686	1.491	1.514	1.589	5.38
79)	tert-butylbenzene	1.770	1.641	1.712	1.525	1.549	1.639	6.37
80)	1,2,4-Trimethylb...	1.729	1.678	1.743	1.537	1.539	1.645	6.12
81)	sec-Butylbenzene	2.118	1.954	2.099	1.854	1.893	1.983	6.04
82)	p-Isopropyltoluene	1.725	1.603	1.771	1.554	1.593	1.649	5.67
83) M	1,3-Dichlorobenzene	0.963	0.821	0.876	0.788	0.822	0.854	8.06
84) M	1,4-Dichlorobenzene	0.966	0.821	0.886	0.791	0.806	0.854	8.46
85)	n-Butylbenzene	1.263	1.389	1.515	1.397	1.456	1.404	6.69
86) T	Hexachloroethane	0.234	0.237	0.273	0.269	0.286	0.260	8.97
87) M	1,2-Dichlorobenzene	0.982	0.888	0.892	0.789	0.804	0.871	8.95
88)	1,2-Dibromo-3-Ch...	0.098	0.112	0.131	0.126	0.133	0.120	12.29
89)	1,2,4-Trichlorob...	0.475	0.477	0.531	0.497	0.520	0.500	4.99
90)	Hexachlorobutadiene	0.209	0.196	0.216	0.191	0.200	0.203	5.09
91) M	Naphthalene	1.545	1.639	1.866	1.679	1.731	1.692	7.03
92)	1,2,3-Trichlorob...	0.512	0.504	0.540	0.501	0.511	0.514	3.00

(#) = Out of Range