

Method Path : Z:\voasrv\HPCHEM1\MSVOA_X\Method\
 Method File : 624X051321W.M
 Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 Last Update : Thu May 13 06:11:35 2021
 Response Via : Initial Calibration

Calibration Files

5 =VX021932.D 10 =VX021933.D 20 =VX021934.D 50 =VX021935.D 100 =VX021936.D

Compound	5	10	20	50	100	Avg	%RSD
-----ISTD-----							
1) I Bromochloromethane							
2) M Dichlorodifluoro...	1.857	1.634	1.668	1.829	1.867	1.771	6.27
3) M Chloromethane	2.432	1.985	1.895	2.168	2.157	2.127	9.68
4) M Vinyl Chloride	2.455	1.953	2.028	2.262	2.349	2.209	9.63
5) M Bromomethane	1.641	1.165	1.246	1.124	1.041	1.243	18.85
6) M Chloroethane	1.645	1.233	1.305	1.453	1.475	1.422	11.29
7) M Trichlorofluorom...	3.560	2.694	2.830	3.120	3.231	3.087	11.06
8) T Diethyl Ether	1.569	1.131	1.207	1.341	1.371	1.324	12.73
9) 1,1,2-Trichlorot...	2.132	1.571	1.608	1.716	1.825	1.770	12.72
10) M 1,1-Dichloroethene	2.150	1.542	1.611	1.798	1.815	1.783	13.26
11) Methyl Iodide	1.471	1.401	1.644	2.081	2.271	1.773	21.64
12) Methyl Acetate	2.724	2.221	2.306	2.500	2.578	2.466	8.25
13) M Acrolein	0.365	0.338	0.351	0.406	0.451	0.382	12.14
14) M Acrylonitrile	1.138	0.872	0.946	1.030	1.045	1.006	10.09
15) M Acetone	0.337	0.271	0.285	0.302	0.306	0.300	8.30
16) M Carbon Disulfide	5.662	4.155	4.441	4.958	5.175	4.878	12.22
17) Allyl chloride	3.667	2.759	2.835	3.156	3.297	3.143	11.70
18) M Methylene Chloride	2.686	1.902	1.852	2.062	2.097	2.120	15.71
19) M trans-1,2-Dichlo...	2.263	1.720	1.771	1.922	2.013	1.938	11.15
20) T Diisopropyl ether	7.075	5.054	5.298	5.917	6.276	5.924	13.60
21) M 1,1-Dichloroethane	4.143	3.114	3.241	3.568	3.676	3.548	11.40
22) M cis-1,2-Dichloro...	2.613	2.031	2.048	2.301	2.395	2.277	10.76
23) M tert-Butyl Alcohol	0.551	0.435	0.462	0.493	0.503	0.489	8.95
24) M Methyl tert-Buty...	6.736	5.063	5.354	5.867	6.010	5.806	11.12
25) M Chloroform	4.236	3.153	3.196	3.615	3.782	3.596	12.44
26) Cyclohexane	3.578	2.460	2.639	2.919	3.041	2.927	14.66
27) s 1,2-Dichloroetha...	2.328	2.259	2.354	2.286	2.328	2.311	1.64
-----ISTD-----							
28) I 1,4-Difluorobenzene							
29) 1,1-Dichloropropene	0.533	0.405	0.431	0.479	0.501	0.470	11.06
30) M 2-Butanone	0.292	0.234	0.248	0.273	0.282	0.266	8.99
31) 2,2-Dichloropropane	0.667	0.477	0.503	0.546	0.566	0.552	13.26
32) M 1,1,1-Trichloroe...	0.650	0.482	0.495	0.556	0.587	0.554	12.42
33) M Carbon Tetrachlo...	0.534	0.401	0.434	0.479	0.502	0.470	11.23
34) M Benzene	1.690	1.255	1.283	1.435	1.501	1.433	12.33
35) Methacrylonitrile	0.320	0.240	0.264	0.292	0.307	0.284	11.40
36) M 1,2-Dichloroethane	0.569	0.425	0.435	0.497	0.520	0.489	12.29
37) M Trichloroethene	0.424	0.308	0.327	0.361	0.380	0.360	12.59
38) Methylcyclohexane	0.641	0.441	0.482	0.533	0.568	0.533	14.53
39) M 1,2-Dichloropropane	0.409	0.301	0.324	0.367	0.387	0.358	12.50
40) Dibromomethane	0.285	0.218	0.227	0.257	0.258	0.249	10.88
41) M Bromodichloromet...	0.570	0.418	0.446	0.517	0.534	0.497	12.70
42) M Vinyl Acetate	1.111	0.843	0.903	1.016	1.090	0.993	11.73
43) Ethyl Acetate	0.626	0.476	0.501	0.536	0.562	0.540	10.78
44) Isopropyl Acetate	1.021	0.762	0.812	0.905	0.954	0.891	11.78
45) T 1,4-Dioxane	0.008	0.007	0.008	0.008	0.009	0.008#	6.56
46) Methyl methacrylate	0.473	0.345	0.372	0.430	0.445	0.413	12.83
47) n-amyl Acetate	0.786	0.621	0.672	0.784	0.840	0.741	12.23
48) M t-1,3-Dichloropr...	0.607	0.475	0.503	0.586	0.618	0.558	11.56
49) T cis-1,3-Dichloro...	0.653	0.509	0.553	0.619	0.660	0.599	10.95
50) M 1,1,2-Trichloroe...	0.400	0.305	0.321	0.367	0.378	0.354	11.23
51) Ethyl methacrylate	0.633	0.489	0.524	0.592	0.619	0.571	10.93
52) 1,3-Dichloropropane	0.737	0.519	0.565	0.622	0.645	0.618	13.41
53) M Dibromochloromet...	0.390	0.303	0.318	0.375	0.393	0.356	11.84
54) M 1,2-Dibromoethane	0.401	0.312	0.333	0.383	0.390	0.364	10.65
55) M 2-Chloroethyl vi...	0.344	0.257	0.275	0.310	0.322	0.302	11.64
56) M Bromoform	0.240	0.190	0.203	0.243	0.252	0.226	12.15

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		-----ISTD-----							
57) I	Chlorobenzene-d5								
58) M	4-Methyl-2-Penta...	0.673	0.539	0.558	0.615	0.640	0.605	9.25	
59) M	2-Hexanone	0.482	0.404	0.414	0.459	0.481	0.448	8.22	
60) S	4-Bromofluoroben...	0.486	0.497	0.506	0.503	0.497	0.498	1.51	
61) M	Tetrachloroethene	0.403	0.313	0.311	0.332	0.343	0.340	11.04	
62) M	Toluene	2.000	1.514	1.552	1.727	1.795	1.718	11.45	
63) S	Toluene-d8	1.359	1.391	1.370	1.375	1.359	1.371	0.98	
64) M	Chlorobenzene	1.162	0.931	0.928	1.039	1.076	1.027	9.69	
65)	1,1,1,2-Tetrachl...	0.418	0.320	0.342	0.395	0.399	0.375	11.15	
66) M	Ethyl Benzene	2.152	1.661	1.711	1.912	2.013	1.890	10.87	
67) M	m/p-Xylenes	0.826	0.635	0.638	0.722	0.759	0.716	11.40	
68) M	o-Xylene	0.802	0.604	0.647	0.705	0.729	0.698	10.92	
69) M	Styrene	1.323	1.028	1.044	1.185	1.256	1.167	11.07	
70)	Isopropylbenzene	2.086	1.611	1.678	1.868	1.918	1.832	10.41	
71) M	1,1,2,2-Tetrachl...	0.670	0.535	0.562	0.607	0.646	0.604	9.31	
72)	1,2,3-Trichlorop...	0.608	0.489	0.481	0.541	0.559	0.535	9.79	
73)	Bromobenzene	0.441	0.338	0.361	0.397	0.404	0.388	10.25	
74)	n-propylbenzene	2.413	1.817	1.924	2.205	2.319	2.136	11.97	
75)	2-Chlorotoluene	1.426	1.104	1.152	1.293	1.349	1.265	10.61	
76)	1,3,5-Trimethylb...	1.715	1.332	1.397	1.549	1.656	1.530	10.71	
77)	t-1,4-Dichloro-2...	0.221	0.181	0.201	0.231	0.251	0.217	12.55	
78)	4-Chlorotoluene	1.654	1.230	1.314	1.483	1.598	1.456	12.44	
79)	tert-butylbenzene	1.705	1.273	1.330	1.482	1.525	1.463	11.69	
80)	1,2,4-Trimethylb...	1.736	1.322	1.384	1.564	1.638	1.529	11.32	
81)	sec-Butylbenzene	2.069	1.587	1.675	1.871	1.992	1.839	11.15	
82)	p-Isopropyltoluene	1.707	1.318	1.411	1.590	1.680	1.541	11.04	
83) M	1,3-Dichlorobenzene	0.840	0.635	0.673	0.740	0.791	0.736	11.40	
84) M	1,4-Dichlorobenzene	0.819	0.628	0.689	0.755	0.800	0.738	10.74	
85)	n-Butylbenzene	1.553	1.166	1.250	1.470	1.624	1.413	13.92	
86) T	Hexachloroethane	0.283	0.217	0.226	0.267	0.287	0.256	12.82	
87) M	1,2-Dichlorobenzene	0.790	0.611	0.658	0.734	0.771	0.713	10.67	
88)	1,2-Dibromo-3-Ch...	0.138	0.118	0.121	0.140	0.155	0.135	11.18	
89)	1,2,4-Trichlorob...	0.468	0.371	0.383	0.465	0.496	0.437	12.82	
90)	Hexachlorobutadiene	0.184	0.140	0.154	0.175	0.192	0.169	12.79	
91) M	Naphthalene	1.786	1.421	1.566	1.840	1.950	1.713	12.53	
92)	1,2,3-Trichlorob...	0.453	0.362	0.397	0.463	0.493	0.433	12.25	

 (#) = Out of Range