

Method Path : Z:\voasrv\HPCHEM1\MSVOA_X\Method\
 Method File : 624X091622W.M
 Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 Last Update : Fri Sep 16 12:41:56 2022
 Response Via : Initial Calibration

Calibration Files

5 =VX031399.D 20 =VX031400.D 50 =VX031401.D 100 =VX031402.D 150 =VX031403.D

Compound		5	20	50	100	150	Avg	%RSD

1) I	Bromochloromethane	-----ISTD-----						
2) M	Dichlorodifluoro...	1.852	1.721	1.612	1.534	1.408	1.625	10.48
3) M	Chloromethane	2.568	2.427	2.253	2.104	1.850	2.240	12.50
4) M	Vinyl Chloride	2.764	2.828	2.698	2.488	2.203	2.596	9.80
5) M	Bromomethane	3.802	3.396	3.493	3.387	3.114	3.439	7.19
6) M	Chloroethane	3.886	3.318	3.555	2.704	1.845	3.062	26.31
7) M	Trichlorofluorom...	6.694	6.544	6.277	6.336	5.765	6.323	5.59
8) T	Diethyl Ether	2.267	2.098	2.105	2.115	1.955	2.108	5.24
9)	1,1,2-Trichlorot...	2.475	2.249	2.130	2.039	1.876	2.154	10.46
10) M	1,1-Dichloroethene	2.209	2.098	2.011	1.950	1.811	2.016	7.44
11)	Methyl Iodide	1.992	2.218	2.467	2.570	2.370	2.323	9.74
12)	Methyl Acetate	3.248	3.191	3.153	3.116	2.805	3.102	5.59
13) M	Acrolein	0.476	0.412	0.378	0.409	0.382	0.412	9.53
14) M	Acrylonitrile	1.231	1.291	1.291	1.290	1.222	1.265	2.79
15) M	Acetone	0.407	0.398	0.343	0.333	0.292	0.354	13.44
16) M	Carbon Disulfide	5.505	5.273	5.240	5.182	4.821	5.204	4.74
17)	Allyl chloride	3.335	3.362	3.342	3.291	3.009	3.268	4.50
18) M	Methylene Chloride	2.594	2.484	2.293	2.227	2.063	2.332	9.01
19) M	trans-1,2-Dichlo...	2.354	2.388	2.327	2.368	2.422	2.372	1.51
20) T	Diisopropyl ether	7.182	7.547	7.598	8.287	7.760	7.675	5.24
21) M	1,1-Dichloroethane	4.053	4.242	4.110	4.064	3.756	4.045	4.41
22) M	cis-1,2-Dichloro...	2.802	2.787	2.754	2.675	2.488	2.701	4.77
23) M	tert-Butyl Alcohol	0.899	0.635	0.594	0.595	0.535	0.652	21.89
24) M	Methyl tert-Buty...	7.312	7.714	7.602	7.735	7.834	7.639	2.63
25) M	Chloroform	4.397	4.572	4.611	4.715	4.773	4.614	3.14
26)	Cyclohexane	3.636	3.711	3.696	3.682	3.538	3.653	1.91
27) s	1,2-Dichloroetha...	2.665	2.690	2.761	2.705	2.693	2.703	1.32
28) I	1,4-Difluorobenzene	-----ISTD-----						
29)	1,1-Dichloropropene	0.577	0.609	0.600	0.626	0.607	0.604	2.99
30) M	2-Butanone	0.339	0.352	0.341	0.346	0.326	0.341	2.90
31)	2,2-Dichloropropane	0.635	0.677	0.689	0.706	0.669	0.675	3.90
32) M	1,1,1-Trichloroe...	0.676	0.728	0.757	0.783	0.790	0.747	6.20
33) M	Carbon Tetrachlo...	0.588	0.639	0.669	0.700	0.704	0.660	7.26
34) M	Benzene	1.682	1.766	1.787	1.817	1.834	1.777	3.34
35)	Methacrylonitrile	0.298	0.335	0.347	0.366	0.360	0.341	7.93
36) M	1,2-Dichloroethane	0.631	0.637	0.676	0.697	0.714	0.671	5.42
37) M	Trichloroethene	0.469	0.494	0.490	0.491	0.462	0.481	3.06
38)	Methylcyclohexane	0.690	0.716	0.702	0.727	0.694	0.706	2.22
39) M	1,2-Dichloropropane	0.395	0.434	0.442	0.443	0.416	0.426	4.79
40)	Dibromomethane	0.310	0.333	0.341	0.338	0.327	0.330	3.70
41) M	Bromodichloromet...	0.578	0.628	0.658	0.678	0.692	0.647	7.00
42) M	Vinyl Acetate	1.063	1.195	1.226	1.344	1.283	1.222	8.63
43)	Ethyl Acetate	0.583	0.667	0.678	0.715	0.695	0.668	7.60
44)	Isopropyl Acetate	1.032	1.091	1.126	1.167	1.133	1.110	4.59
45) T	1,4-Dioxane	0.012	0.012	0.012	0.012	0.011	0.012	3.91
46)	Methyl methacrylate	0.463	0.476	0.502	0.523	0.519	0.497	5.28
47)	n-amyl Acetate	0.784	0.944	1.037	1.132	1.054	0.990	13.47
48) M	t-1,3-Dichloropr...	0.586	0.669	0.731	0.839	0.862	0.737	15.66
49) T	cis-1,3-Dichloro...	0.653	0.719	0.757	0.799	0.823	0.750	9.01
50) M	1,1,2-Trichloroe...	0.440	0.455	0.487	0.544	0.566	0.499	11.02
51)	Ethyl methacrylate	0.594	0.683	0.743	0.839	0.867	0.745	15.03
52)	1,3-Dichloropropane	0.750	0.782	0.811	0.845	0.860	0.810	5.57
53) M	Dibromochloromet...	0.419	0.484	0.546	0.657	0.676	0.556	19.86
54) M	1,2-Dibromoethane	0.447	0.491	0.533	0.642	0.639	0.550	15.94
55) M	2-Chloroethyl vi...	0.300	0.349	0.382	0.431	0.452	0.383	16.12
56) M	Bromoform	0.278	0.338	0.397	0.524	0.545	0.417	27.88

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		-----ISTD-----						
57) I	Chlorobenzene-d5							
58) M	4-Methyl-2-Penta...	0.707	0.743	0.763	0.732	0.649	0.719	6.09
59) M	2-Hexanone	0.542	0.575	0.589	0.560	0.486	0.550	7.30
60) S	4-Bromofluoroben...	0.523	0.544	0.581	0.681	0.695	0.605	13.05
61) M	Tetrachloroethene	0.497	0.489	0.505	0.473	0.469	0.487	3.14
62) M	Toluene	2.052	2.092	2.179	2.304	2.225	2.170	4.67
63) S	Toluene-d8	1.631	1.575	1.651	1.645	1.709	1.642	2.93
64) M	Chlorobenzene	1.293	1.308	1.352	1.399	1.394	1.349	3.59
65)	1,1,1,2-Tetrachl...	0.448	0.485	0.502	0.528	0.519	0.496	6.35
66) M	Ethyl Benzene	2.205	2.332	2.455	2.608	2.472	2.414	6.32
67) M	m/p-Xylenes	0.884	0.914	1.020	1.187	1.113	1.023	12.55
68) M	o-Xylene	0.833	0.903	0.970	1.109	1.061	0.975	11.55
69) M	Styrene	1.299	1.462	1.666	2.008	1.878	1.663	17.47
70)	Isopropylbenzene	2.203	2.343	2.576	3.025	2.842	2.598	13.10
71) M	1,1,2,2-Tetrachl...	0.742	0.776	0.827	0.879	0.804	0.806	6.43
72)	1,2,3-Trichlorop...	0.649	0.593	0.750	0.900	0.808	0.740	16.55
73)	Bromobenzene	0.549	0.566	0.611	0.708	0.696	0.626	11.74
74)	n-propylbenzene	2.535	2.789	3.105	3.509	3.181	3.024	12.38
75)	2-Chlorotoluene	1.499	1.592	1.824	2.068	1.870	1.771	12.85
76)	1,3,5-Trimethylb...	1.845	1.992	2.451	2.750	2.467	2.301	16.18
77)	t-1,4-Dichloro-2...	0.179	0.215	0.264	0.307	0.287	0.250	21.16
78)	4-Chlorotoluene	1.680	1.808	2.342	2.520	2.224	2.115	16.90
79)	tert-butylbenzene	1.809	1.881	2.279	2.515	2.396	2.176	14.46
80)	1,2,4-Trimethylb...	1.795	1.939	2.416	2.634	2.371	2.231	15.71
81)	sec-Butylbenzene	2.256	2.434	2.938	3.253	2.936	2.763	14.76
82)	p-Isopropyltoluene	1.814	2.040	2.509	2.845	2.586	2.359	17.86
83) M	1,3-Dichlorobenzene	1.025	1.078	1.286	1.447	1.361	1.239	14.67
84) M	1,4-Dichlorobenzene	0.971	1.104	1.361	1.520	1.408	1.273	17.88
85)	n-Butylbenzene	1.505	1.784	2.190	2.329	2.106	1.982	16.84
86) T	Hexachloroethane	0.315	0.351	0.407	0.468	0.439	0.396	15.81
87) M	1,2-Dichlorobenzene	0.995	1.084	1.306	1.429	1.340	1.231	14.87
88)	1,2-Dibromo-3-Ch...	0.132	0.158	0.183	0.196	0.189	0.172	15.48
89)	1,2,4-Trichlorob...	0.579	0.647	0.683	0.726	0.744	0.676	9.74
90)	Hexachlorobutadiene	0.243	0.253	0.244	0.249	0.249	0.248	1.61
91) M	Naphthalene	2.033	2.285	2.497	2.679	2.691	2.437	11.48
92)	1,2,3-Trichlorob...	0.598	0.630	0.668	0.735	0.759	0.678	10.01

(#) = Out of Range