

Method Path : Z:\voasrv\HPCHEM1\MSVOA_X\Method\
 Method File : 624X052323W.M
 Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 Last Update : Tue May 23 11:36:37 2023
 Response Via : Initial Calibration

Calibration Files

5 =VX035803.D 20 =VX035804.D 50 =VX035805.D 100 =VX035806.D 150 =VX035807.D

Compound		5	20	50	100	150	Avg	%RSD

1) I	Bromochloromethane	-----ISTD-----						
2) M	Dichlorodifluoro...	1.302	0.986	1.859	1.720	1.803	1.534	24.55
3) M	Chloromethane	1.945	1.667	1.980	1.903	1.915	1.882	6.57
4) M	Vinyl Chloride	1.755	1.462	1.907	1.829	1.891	1.769	10.27
5) M	Bromomethane	1.330	1.094	1.189	1.158	1.178	1.190	7.27
6) M	Chloroethane	1.057	0.974	1.158	1.183	1.203	1.115	8.69
7) M	Trichlorofluorom...	2.504	1.912	2.937	2.978	3.075	2.681	17.99
8) T	Diethyl Ether	1.202	1.053	1.121	1.094	1.104	1.115	4.89
9)	1,1,2-Trichlorot...	1.228	0.958	1.753	1.612	1.661	1.443	23.35
10) M	1,1-Dichloroethene	1.436	1.262	1.659	1.563	1.599	1.504	10.48
11)	Methyl Iodide	1.458	1.581	2.004	1.974	2.066	1.817	15.24
12)	Methyl Acetate	3.932	4.175	4.392	4.355	4.392	4.249	4.68
13) M	Acrolein	0.409	0.305	0.312	0.323	0.331	0.336	12.49
14) M	Acrylonitrile	1.067	1.025	1.102	1.062	1.069	1.065	2.58
15) M	Acetone	0.369	0.319	0.323	0.293	0.289	0.319	10.03
16) M	Carbon Disulfide	2.715	2.517	3.667	3.527	3.893	3.264	18.68
17)	Allyl chloride	2.657	2.707	3.295	3.206	3.304	3.034	10.69
18) M	Methylene Chloride	2.053	1.826	2.038	1.939	1.937	1.958	4.68
19) M	trans-1,2-Dichlo...	1.678	1.551	1.802	1.722	1.723	1.695	5.44
20) T	Diisopropyl ether	6.577	6.193	6.818	6.601	6.559	6.550	3.44
21) M	1,1-Dichloroethane	3.305	3.145	3.629	3.532	3.554	3.433	5.87
22) M	cis-1,2-Dichloro...	2.073	1.920	2.203	2.154	2.139	2.098	5.23
23) M	tert-Butyl Alcohol	0.351	0.383	0.415	0.386	0.409	0.389	6.52
24) M	Methyl tert-Buty...	6.095	5.695	6.252	6.145	6.119	6.061	3.52
25) M	Chloroform	3.577	3.190	3.694	3.574	3.578	3.523	5.47
26)	Cyclohexane	2.306	1.754	3.067	2.860	2.995	2.596	21.47
27) s	1,2-Dichloroetha...	2.466	2.437	2.508	2.534	2.519	2.493	1.60

28) I	1,4-Difluorobenzene	-----ISTD-----						
29)	1,1-Dichloropropene	0.405	0.358	0.449	0.434	0.443	0.418	9.00
30) M	2-Butanone	0.288	0.280	0.272	0.266	0.262	0.273	3.77
31)	2,2-Dichloropropane	0.404	0.397	0.473	0.477	0.493	0.449	9.95
32) M	1,1,1-Trichloroe...	0.463	0.428	0.518	0.507	0.523	0.488	8.36
33) M	Carbon Tetrachlo...	0.331	0.321	0.420	0.419	0.435	0.385	14.19
34) M	Benzene	1.417	1.275	1.330	1.290	1.278	1.318	4.51
35)	Methacrylonitrile	0.292	0.290	0.292	0.291	0.294	0.292	0.45
36) M	1,2-Dichloroethane	0.545	0.507	0.512	0.505	0.495	0.513	3.66
37) M	Trichloroethene	0.347	0.311	0.341	0.326	0.331	0.331	4.26
38)	Methylcyclohexane	0.396	0.302	0.545	0.519	0.530	0.458	23.06
39) M	1,2-Dichloropropane	0.381	0.343	0.352	0.349	0.348	0.355	4.28
40)	Dibromomethane	0.243	0.235	0.240	0.242	0.239	0.240	1.20
41) M	Bromodichloromet...	0.387	0.413	0.448	0.457	0.463	0.434	7.45
42) M	Vinyl Acetate	0.821	0.773	0.807	0.807	0.809	0.803	2.24
43)	Ethyl Acetate	0.566	0.503	0.515	0.509	0.515	0.522	4.87
44)	Isopropyl Acetate	0.852	0.822	0.844	0.859	0.874	0.850	2.24
45) T	1,4-Dioxane	0.008	0.009	0.008	0.008	0.008	0.008	6.53
46)	Methyl methacrylate	0.406	0.393	0.406	0.421	0.427	0.411	3.35
47)	n-amyl Acetate	0.671	0.681	0.734	0.738	0.746	0.714	4.93
48) M	t-1,3-Dichloropr...	0.406	0.436	0.495	0.525	0.538	0.480	11.90
49) T	cis-1,3-Dichloro...	0.465	0.506	0.551	0.558	0.568	0.530	8.19
50) M	1,1,2-Trichloroe...	0.365	0.340	0.342	0.339	0.332	0.343	3.65
51)	Ethyl methacrylate	0.512	0.503	0.531	0.551	0.549	0.529	4.05
52)	1,3-Dichloropropane	0.638	0.598	0.592	0.585	0.578	0.598	3.97
53) M	Dibromochloromet...	0.270	0.291	0.323	0.342	0.348	0.315	10.59
54) M	1,2-Dibromoethane	0.367	0.352	0.356	0.355	0.353	0.357	1.64
55) M	2-Chloroethyl vi...	0.262	0.294	0.285	0.283	0.280	0.281	4.09
56) M	Bromoform	0.163	0.176	0.215	0.229	0.238	0.204	16.15

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-----ISTD-----								
57) I	Chlorobenzene-d5							
58) M	4-Methyl-2-Penta...	0.587	0.587	0.611	0.574	0.555	0.583	3.54
59) M	2-Hexanone	0.441	0.449	0.465	0.424	0.414	0.438	4.61
60) S	4-Bromofluoroben...	0.491	0.499	0.505	0.507	0.515	0.503	1.82
61) M	Tetrachloroethene	0.280	0.267	0.314	0.294	0.289	0.289	6.00
62) M	Toluene	1.573	1.494	1.639	1.528	1.491	1.545	4.03
63) S	Toluene-d8	1.291	1.321	1.359	1.339	1.321	1.326	1.89
64) M	Chlorobenzene	1.006	0.950	1.030	0.959	0.947	0.978	3.80
65)	1,1,1,2-Tetrachl...	0.315	0.322	0.362	0.355	0.356	0.342	6.32
66) M	Ethyl Benzene	1.688	1.611	1.864	1.751	1.725	1.728	5.36
67) M	m/p-Xylenes	0.651	0.620	0.699	0.653	0.647	0.654	4.31
68) M	o-Xylene	0.651	0.636	0.687	0.650	0.647	0.654	2.92
69) M	Styrene	1.017	1.038	1.148	1.103	1.092	1.080	4.87
70)	Isopropylbenzene	1.557	1.544	1.834	1.712	1.702	1.670	7.25
71) M	1,1,2,2-Tetrachl...	0.604	0.593	0.623	0.576	0.560	0.591	4.14
72)	1,2,3-Trichlorop...	0.506	0.490	0.521	0.534	0.524	0.515	3.34
73)	Bromobenzene	0.409	0.391	0.429	0.404	0.395	0.406	3.67
74)	n-propylbenzene	1.803	1.827	2.197	2.071	2.054	1.990	8.53
75)	2-Chlorotoluene	1.203	1.149	1.298	1.242	1.221	1.223	4.45
76)	1,3,5-Trimethylb...	1.346	1.320	1.534	1.453	1.438	1.418	6.09
77)	t-1,4-Dichloro-2...	0.109	0.130	0.166	0.182	0.189	0.155	22.10
78)	4-Chlorotoluene	1.350	1.314	1.485	1.419	1.396	1.393	4.73
79)	tert-butylbenzene	1.259	1.242	1.509	1.426	1.409	1.369	8.39
80)	1,2,4-Trimethylb...	1.347	1.343	1.556	1.452	1.428	1.425	6.14
81)	sec-Butylbenzene	1.527	1.503	1.945	1.837	1.831	1.728	11.61
82)	p-Isopropyltoluene	1.270	1.270	1.620	1.525	1.505	1.438	11.07
83) M	1,3-Dichlorobenzene	0.772	0.732	0.816	0.772	0.748	0.768	4.13
84) M	1,4-Dichlorobenzene	0.778	0.736	0.823	0.763	0.753	0.771	4.31
85)	n-Butylbenzene	1.055	1.055	1.480	1.410	1.397	1.279	16.19
86) T	Hexachloroethane	0.178	0.178	0.251	0.256	0.269	0.226	19.69
87) M	1,2-Dichlorobenzene	0.772	0.749	0.808	0.727	0.704	0.752	5.34
88)	1,2-Dibromo-3-Ch...	0.091	0.105	0.123	0.121	0.126	0.113	13.23
89)	1,2,4-Trichlorob...	0.398	0.415	0.504	0.469	0.468	0.451	9.64
90)	Hexachlorobutadiene	0.138	0.127	0.203	0.181	0.183	0.166	19.40
91) M	Naphthalene	1.365	1.509	1.720	1.618	1.588	1.560	8.49
92)	1,2,3-Trichlorob...	0.421	0.419	0.491	0.463	0.457	0.450	6.79

(#) = Out of Range