

Method Path : Z:\voasrv\HPCHEM1\MSVOA_X\Method\
 Method File : 624X010723W.M
 Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 Last Update : Sat Jan 07 06:16:21 2023
 Response Via : Initial Calibration

Calibration Files

5 =VX033647.D 20 =VX033648.D 50 =VX033649.D 100 =VX033650.D 150 =VX033651.D

Compound		5	20	50	100	150	Avg	%RSD

1) I	Bromochloromethane	-----ISTD-----						
2) M	Dichlorodifluoro...	3.301	3.291	3.086	3.000	3.009	3.137	4.75
3) M	Chloromethane	3.194	3.596	3.380	3.345	3.300	3.363	4.40
4) M	Vinyl Chloride	2.631	2.959	3.158	3.241	3.200	3.038	8.29
5) M	Bromomethane	1.806	1.723	1.607	1.614	1.663	1.683	4.93
6) M	Chloroethane	1.935	1.762	1.688	1.760	1.751	1.779	5.18
7) M	Trichlorofluorom...	5.395	4.930	4.715	4.366	4.034	4.688	11.14
8) T	Diethyl Ether	1.616	1.424	1.687	1.427	1.478	1.526	7.79
9)	1,1,2-Trichlorot...	2.576	2.263	2.930	2.139	2.245	2.431	13.30
10) M	1,1-Dichloroethene	2.235	2.130	2.889	2.052	2.152	2.292	14.85
11)	Methyl Iodide	4.679	3.563	4.650	3.363	3.443	3.940	16.90
12)	Methyl Acetate	5.513	4.805	4.990	4.818	3.862	4.798	12.44
13) M	Acrolein	0.547	0.454	0.660	0.463	0.462	0.517	17.06
14) M	Acrylonitrile	1.784	1.641	1.627	1.566	1.294	1.582	11.37
15) M	Acetone	0.444	0.324	0.420	0.298	0.305	0.358	19.15
16) M	Carbon Disulfide	8.123	5.982	7.669	5.745	5.825	6.669	17.02
17)	Allyl chloride	5.382	4.951	5.320	4.651	4.074	4.875	11.01
18) M	Methylene Chloride	4.057	3.187	3.229	3.165	2.410	3.210	18.17
19) M	trans-1,2-Dichlo...	3.514	3.154	3.125	3.051	2.551	3.079	11.21
20) T	Diisopropyl ether	1.129	1.114	1.062	0.996	0.961	1.052	E1 6.92
21) M	1,1-Dichloroethane	6.370	5.908	5.684	5.516	5.374	5.771	6.76
22) M	cis-1,2-Dichloro...	3.962	3.736	3.580	3.560	3.470	3.662	5.27
23) M	tert-Butyl Alcohol	0.715	0.653	0.623	0.595	0.538	0.625	10.52
24) M	Methyl tert-Buty...	1.065	1.022	0.989	0.967	0.851	0.979	E1 8.21
25) M	Chloroform	6.474	6.135	5.793	5.506	5.379	5.857	7.70
26)	Cyclohexane	5.866	5.505	5.298	5.114	4.997	5.356	6.42
27) s	1,2-Dichloroetha...	2.627	2.621	2.360	2.262	2.276	2.429	7.49
28) I	1,4-Difluorobenzene	-----ISTD-----						
29)	1,1-Dichloropropene	0.675	0.644	0.647	0.651	0.625	0.648	2.75
30) M	2-Butanone	0.361	0.337	0.344	0.335	0.317	0.339	4.76
31)	2,2-Dichloropropane	0.546	0.535	0.562	0.585	0.564	0.558	3.46
32) M	1,1,1-Trichloroe...	0.784	0.740	0.759	0.772	0.730	0.757	2.93
33) M	Carbon Tetrachlo...	0.709	0.664	0.680	0.698	0.666	0.683	2.90
34) M	Benzene	1.997	1.826	1.885	1.907	1.804	1.884	4.02
35)	Methacrylonitrile	0.407	0.383	0.388	0.387	0.364	0.386	3.98
36) M	1,2-Dichloroethane	0.750	0.693	0.682	0.671	0.629	0.685	6.38
37) M	Trichloroethene	0.569	0.525	0.537	0.552	0.534	0.543	3.19
38)	Methylcyclohexane	0.821	0.784	0.808	0.830	0.789	0.806	2.45
39) M	1,2-Dichloropropane	0.488	0.478	0.482	0.491	0.468	0.481	1.86
40)	Dibromomethane	0.351	0.335	0.339	0.342	0.324	0.338	2.91
41) M	Bromodichloromet...	0.659	0.645	0.665	0.673	0.639	0.656	2.15
42) M	Vinyl Acetate	1.235	1.211	1.238	1.224	1.142	1.210	3.25
43)	Ethyl Acetate	0.718	0.718	0.702	0.682	0.649	0.694	4.17
44)	Isopropyl Acetate	1.091	1.049	1.098	1.119	1.086	1.089	2.35
45) T	1,4-Dioxane	0.013	0.012	0.012	0.012	0.011	0.012	5.77
46)	Methyl methacrylate	0.551	0.548	0.557	0.563	0.537	0.551	1.79
47)	n-amyl Acetate	0.889	0.908	0.969	0.960	0.907	0.927	3.82
48) M	t-1,3-Dichloropr...	0.595	0.632	0.686	0.729	0.711	0.671	8.34
49) T	cis-1,3-Dichloro...	0.704	0.701	0.765	0.792	0.762	0.745	5.38
50) M	1,1,2-Trichloroe...	0.526	0.479	0.487	0.496	0.468	0.491	4.44
51)	Ethyl methacrylate	0.697	0.712	0.757	0.764	0.732	0.732	3.93
52)	1,3-Dichloropropane	0.867	0.818	0.825	0.825	0.778	0.823	3.84
53) M	Dibromochloromet...	0.516	0.501	0.547	0.568	0.544	0.535	5.00
54) M	1,2-Dibromoethane	0.544	0.512	0.527	0.534	0.508	0.525	2.88
55) M	2-Chloroethyl vi...	0.342	0.344	0.363	0.384	0.337	0.354	5.45
56) M	Bromoform	0.365	0.387	0.429	0.444	0.431	0.411	8.15

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		-----ISTD-----							
57) I	Chlorobenzene-d5								
58) M	4-Methyl-2-Penta...	0.625	0.612	0.617	0.584	0.542	0.596		5.71
59) M	2-Hexanone	0.467	0.446	0.450	0.430	0.401	0.439		5.66
60) S	4-Bromofluoroben...	0.541	0.541	0.558	0.534	0.530	0.541		2.01
61) M	Tetrachloroethene	0.456	0.419	0.432	0.439	0.418	0.433		3.68
62) M	Toluene	2.023	1.885	1.876	1.889	1.770	1.888		4.76
63) S	Toluene-d8	0.966	0.967	0.967	0.947	0.953	0.960		1.00
64) M	Chlorobenzene	1.283	1.194	1.216	1.231	1.157	1.216		3.81
65)	1,1,1,2-Tetrachl...	0.452	0.451	0.463	0.471	0.452	0.458		1.94
66) M	Ethyl Benzene	2.151	2.096	2.130	2.140	2.014	2.106		2.64
67) M	m/p-Xylenes	0.845	0.835	0.841	0.843	0.790	0.831		2.79
68) M	o-Xylene	0.842	0.817	0.823	0.828	0.774	0.817		3.13
69) M	Styrene	1.373	1.348	1.373	1.379	1.288	1.352		2.81
70)	Isopropylbenzene	2.173	2.129	2.161	2.138	1.979	2.116		3.71
71) M	1,1,2,2-Tetrachl...	0.677	0.643	0.651	0.630	0.583	0.637		5.42
72)	1,2,3-Trichlorop...	0.603	0.584	0.596	0.577	0.527	0.577		5.20
73)	Bromobenzene	0.570	0.553	0.575	0.567	0.536	0.560		2.85
74)	n-propylbenzene	2.428	2.396	2.475	2.432	2.280	2.402		3.07
75)	2-Chlorotoluene	1.520	1.433	1.471	1.426	1.334	1.437		4.76
76)	1,3,5-Trimethylb...	1.829	1.764	1.809	1.751	1.630	1.757		4.42
77)	t-1,4-Dichloro-2...	0.140	0.156	0.183	0.195	0.191	0.173	13.85	
78)	4-Chlorotoluene	1.663	1.615	1.661	1.618	1.499	1.611		4.14
79)	tert-butylbenzene	1.847	1.806	1.855	1.810	1.689	1.802		3.69
80)	1,2,4-Trimethylb...	1.774	1.744	1.782	1.748	1.628	1.735		3.59
81)	sec-Butylbenzene	2.188	2.165	2.241	2.221	2.085	2.180		2.77
82)	p-Isopropyltoluene	1.847	1.868	1.940	1.923	1.823	1.880		2.66
83) M	1,3-Dichlorobenzene	1.046	0.999	1.043	1.039	0.984	1.022		2.80
84) M	1,4-Dichlorobenzene	1.049	0.998	1.036	1.033	0.980	1.019		2.82
85)	n-Butylbenzene	1.461	1.478	1.584	1.600	1.521	1.529		4.06
86) T	Hexachloroethane	0.285	0.283	0.313	0.331	0.317	0.306		6.85
87) M	1,2-Dichlorobenzene	1.015	0.961	1.015	0.999	0.933	0.985		3.67
88)	1,2-Dibromo-3-Ch...	0.126	0.129	0.137	0.137	0.132	0.132		3.69
89)	1,2,4-Trichlorob...	0.622	0.657	0.702	0.719	0.687	0.677		5.70
90)	Hexachlorobutadiene	0.330	0.310	0.324	0.336	0.324	0.325		3.02
91) M	Naphthalene	1.833	1.978	2.084	2.082	1.966	1.989		5.20
92)	1,2,3-Trichlorob...	0.641	0.655	0.707	0.711	0.683	0.679		4.57

(#) = Out of Range