

Method Path : Z:\voasrv\HPCHEM1\MSVOA_X\Method\
 Method File : 624X032824W.M
 Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 Last Update : Fri Mar 29 05:24:11 2024
 Response Via : Initial Calibration

Calibration Files

5 =VX040824.D 20 =VX040825.D 50 =VX040826.D 100 =VX040827.D 150 =VX040828.D

Compound		5	20	50	100	150	Avg	%RSD

1) I	Bromochloromethane	-----ISTD-----						
2) M	Dichlorodifluoro...	4.816	5.079	5.151	5.608	5.606	5.252	6.61
3) M	Chloromethane	4.816	4.511	4.602	4.993	5.051	4.795	4.92
4) M	Vinyl Chloride	4.802	4.619	4.999	5.151	5.133	4.941	4.61
5) M	Bromomethane	3.278	3.399	3.250	2.902	2.775	3.121	8.57
6) M	Chloroethane	3.079	3.054	3.068	3.100	3.323	3.125	3.59
7) M	Trichlorofluorom...	8.770	8.095	8.098	9.026	8.843	8.566	5.13
8) T	Diethyl Ether	2.543	2.544	2.669	2.764	2.835	2.671	4.88
9)	1,1,2-Trichlorot...	4.940	4.603	4.589	4.873	4.956	4.792	3.80
10) M	1,1-Dichloroethene	4.509	4.300	4.349	4.558	4.742	4.491	3.93
11)	Methyl Iodide	6.304	6.017	6.019	6.163	6.193	6.139	1.99
12)	Methyl Acetate	5.865	6.241	6.394	6.687	7.052	6.448	6.97
13) M	Acrolein	0.675	0.589	0.652	0.769	0.846	0.706	14.35
14) M	Acrylonitrile	2.665	2.693	2.769	2.866	3.044	2.807	5.47
15) M	Acetone	0.729	0.819	0.814	0.791	0.827	0.796	4.99
16) M	Carbon Disulfide	1.275	1.187	1.207	1.290	1.347	1.261	E1 5.14
17)	Allyl chloride	7.979	7.697	8.088	8.511	8.955	8.246	5.97
18) M	Methylene Chloride	4.594	4.743	4.765	4.916	5.147	4.833	4.33
19) M	trans-1,2-Dichlo...	4.860	4.452	4.562	4.703	4.890	4.694	4.01
20) T	Diisopropyl ether	1.524	1.506	1.606	1.635	1.756	1.605	E1 6.24
21) M	1,1-Dichloroethane	9.223	8.564	8.817	9.090	9.623	9.063	4.45
22) M	cis-1,2-Dichloro...	5.374	5.348	5.308	5.636	5.907	5.515	4.61
23) M	tert-Butyl Alcohol	1.184	1.201	1.286	1.352	1.489	1.302	9.55
24) M	Methyl tert-Buty...	1.507	1.558	1.560	1.648	1.718	1.598	E1 5.23
25) M	Chloroform	0.971	0.952	0.954	1.018	1.018	0.982	E1 3.37
26)	Cyclohexane	7.524	7.271	7.240	7.808	7.828	7.534	3.74
27) s	1,2-Dichloroetha...	5.021	5.017	5.157	4.887	5.626	5.142	5.59
28) I	1,4-Difluorobenzene	-----ISTD-----						
29)	1,1-Dichloropropene	0.879	0.835	0.802	0.873	0.797	0.837	4.55
30) M	2-Butanone	0.533	0.540	0.512	0.550	0.514	0.530	3.11
31)	2,2-Dichloropropane	1.000	0.975	0.924	1.050	0.994	0.989	4.60
32) M	1,1,1-Trichloroe...	1.174	1.101	1.043	1.165	1.043	1.105	5.73
33) M	Carbon Tetrachlo...	0.967	0.968	0.893	1.019	0.923	0.954	5.02
34) M	Benzene	2.600	2.437	2.252	2.446	2.272	2.401	5.96
35)	Methacrylonitrile	0.535	0.572	0.544	0.585	0.567	0.561	3.67
36) M	1,2-Dichloroethane	1.117	1.050	0.984	1.071	0.993	1.043	5.32
37) M	Trichloroethene	0.620	0.583	0.569	0.632	0.562	0.593	5.28
38)	Methylcyclohexane	1.068	0.946	0.945	1.046	0.936	0.988	6.41
39) M	1,2-Dichloropropane	0.609	0.553	0.544	0.614	0.533	0.571	6.64
40)	Dibromomethane	0.504	0.461	0.459	0.501	0.440	0.473	6.02
41) M	Bromodichloromet...	0.984	0.920	0.934	1.043	0.920	0.960	5.53
42) M	Vinyl Acetate	1.930	1.951	1.928	2.051	1.928	1.958	2.71
43)	Ethyl Acetate	0.978	1.065	1.000	1.071	1.041	1.031	3.96
44)	Isopropyl Acetate	1.571	1.645	1.578	1.775	1.667	1.647	5.02
45) T	1,4-Dioxane	0.014	0.015	0.015	0.017	0.016	0.015	7.33
46)	Methyl methacrylate	0.750	0.760	0.785	0.867	0.803	0.793	5.86
47)	n-amyl Acetate	1.358	1.376	1.466	1.674	1.541	1.483	8.74
48) M	t-1,3-Dichloropr...	0.923	0.877	0.933	1.065	0.965	0.953	7.36
49) T	cis-1,3-Dichloro...	0.993	0.920	0.968	1.080	0.960	0.984	6.07
50) M	1,1,2-Trichloroe...	0.587	0.568	0.571	0.617	0.557	0.580	4.01
51)	Ethyl methacrylate	0.951	0.944	0.996	1.148	1.027	1.013	8.19
52)	1,3-Dichloropropane	1.010	0.965	0.967	1.088	0.956	0.997	5.49
53) M	Dibromochloromet...	0.677	0.672	0.676	0.763	0.687	0.695	5.48
54) M	1,2-Dibromoethane	0.699	0.623	0.602	0.688	0.599	0.642	7.47
55) M	2-Chloroethyl vi...	0.497	0.465	0.476	0.542	0.498	0.496	5.90
56) M	Bromoform	0.457	0.439	0.471	0.547	0.502	0.483	8.82

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		-----ISTD-----						
57) I	Chlorobenzene-d5							
58) M	4-Methyl-2-Penta...	0.784	0.834	0.867	0.909	0.842	0.847	5.39
59) M	2-Hexanone	0.591	0.679	0.694	0.723	0.689	0.675	7.40
60) S	4-Bromofluoroben...	0.653	0.644	0.653	0.674	0.652	0.655	1.72
61) M	Tetrachloroethene	0.390	0.391	0.399	0.435	0.396	0.402	4.63
62) M	Toluene	2.009	2.008	2.023	2.163	1.942	2.029	4.01
63) S	Toluene-d8	1.181	1.189	1.214	1.171	1.126	1.176	2.74
64) M	Chlorobenzene	1.329	1.305	1.273	1.391	1.260	1.312	3.96
65)	1,1,1,2-Tetrachl...	0.443	0.457	0.448	0.492	0.459	0.460	4.18
66) M	Ethyl Benzene	2.337	2.377	2.313	2.565	2.332	2.385	4.33
67) M	m/p-Xylenes	0.875	0.876	0.833	0.938	0.856	0.876	4.45
68) M	o-Xylene	0.791	0.802	0.832	0.892	0.807	0.825	4.93
69) M	Styrene	1.363	1.380	1.423	1.559	1.432	1.431	5.40
70)	Isopropylbenzene	2.221	2.138	2.226	2.453	2.197	2.247	5.35
71) M	1,1,2,2-Tetrachl...	0.759	0.764	0.773	0.826	0.779	0.780	3.45
72)	1,2,3-Trichlorop...	0.609	0.642	0.665	0.724	0.663	0.661	6.39
73)	Bromobenzene	0.496	0.534	0.531	0.580	0.538	0.536	5.59
74)	n-propylbenzene	2.581	2.759	2.796	3.092	2.798	2.805	6.54
75)	2-Chlorotoluene	1.530	1.654	1.664	1.804	1.641	1.659	5.87
76)	1,3,5-Trimethylb...	1.825	1.916	1.921	2.133	1.927	1.944	5.83
77)	t-1,4-Dichloro-2...	0.218	0.238	0.263	0.302	0.293	0.263	13.57
78)	4-Chlorotoluene	1.833	1.943	1.967	2.147	1.965	1.971	5.72
79)	tert-butylbenzene	1.731	1.877	1.835	2.037	1.874	1.871	5.90
80)	1,2,4-Trimethylb...	1.733	1.927	1.932	2.106	1.938	1.927	6.86
81)	sec-Butylbenzene	2.263	2.383	2.339	2.635	2.377	2.399	5.85
82)	p-Isopropyltoluene	1.872	1.994	2.006	2.246	2.040	2.032	6.68
83) M	1,3-Dichlorobenzene	0.974	1.038	1.054	1.116	1.019	1.040	5.01
84) M	1,4-Dichlorobenzene	1.024	1.064	1.064	1.156	1.053	1.072	4.65
85)	n-Butylbenzene	1.807	1.939	2.031	2.258	2.067	2.020	8.24
86) T	Hexachloroethane	0.320	0.345	0.358	0.406	0.375	0.361	8.97
87) M	1,2-Dichlorobenzene	0.931	0.987	1.005	1.090	1.018	1.006	5.70
88)	1,2-Dibromo-3-Ch...	0.160	0.205	0.198	0.224	0.217	0.201	12.47
89)	1,2,4-Trichlorob...	0.674	0.678	0.695	0.761	0.702	0.702	5.02
90)	Hexachlorobutadiene	0.251	0.260	0.265	0.280	0.261	0.263	4.09
91) M	Naphthalene	2.025	2.271	2.418	2.615	2.412	2.348	9.29
92)	1,2,3-Trichlorob...	0.609	0.660	0.653	0.740	0.685	0.669	7.18

(#) = Out of Range