

Method Path : Z:\voasrv\HPCHEM1\MSVOA_X\Method\
 Method File : 624X112423W.M
 Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 Last Update : Mon Nov 27 03:22:25 2023
 Response Via : Initial Calibration

Calibration Files

5 =VX039020.D 20 =VX039014.D 50 =VX039015.D 100 =VX039016.D 150 =VX039017.D

Compound		5	20	50	100	150	Avg	%RSD

1) I	Bromochloromethane	-----ISTD-----						
2) M	Dichlorodifluoro...	4.807	4.558	4.718	4.372	3.997	4.490	7.17
3) M	Chloromethane	5.949	5.054	5.313	4.956	4.436	5.141	10.74
4) M	Vinyl Chloride	5.923	5.150	5.391	4.972	4.516	5.191	10.02
5) M	Bromomethane	3.718	3.555	3.497	2.688	2.415	3.175	18.34
6) M	Chloroethane	3.267	3.137	3.242	2.816	2.651	3.023	9.08
7) M	Trichlorofluorom...	8.067	7.233	7.472	6.803	6.243	7.164	9.61
8) T	Diethyl Ether	3.061	2.749	2.898	2.624	2.418	2.750	8.99
9)	1,1,2-Trichlorot...	4.536	3.981	4.244	3.888	3.591	4.048	8.86
10) M	1,1-Dichloroethene	4.577	4.035	4.217	3.916	3.658	4.081	8.42
11)	Methyl Iodide	5.114	4.058	4.524	4.399	4.262	4.472	8.91
12)	Methyl Acetate	1.480	1.253	1.318	1.215	1.098	1.273	E1 11.04
13) M	Acrolein	1.420	1.062	1.124	1.032	0.937	1.115	16.46
14) M	Acrylonitrile	3.568	3.070	3.234	2.971	2.720	3.113	10.13
15) M	Acetone	1.427	1.273	1.139	0.979	0.839	1.131	20.55
16) M	Carbon Disulfide	1.449	1.204	1.275	1.170	1.081	1.236	E1 11.19
17)	Allyl chloride	9.004	8.031	8.488	7.871	7.110	8.101	8.74
18) M	Methylene Chloride	5.641	4.638	5.017	4.634	4.255	4.837	10.83
19) M	trans-1,2-Dichlo...	5.172	4.467	4.851	4.479	4.107	4.615	8.83
20) T	Diisopropyl ether	1.724	1.523	1.616	1.483	1.362	1.542	E1 8.86
21) M	1,1-Dichloroethane	9.678	8.405	9.048	8.231	7.494	8.571	9.68
22) M	cis-1,2-Dichloro...	5.994	5.280	5.631	5.134	4.705	5.349	9.16
23) M	tert-Butyl Alcohol	2.225	1.641	1.708	1.616	1.426	1.723	17.38
24) M	Methyl tert-Buty...	1.691	1.476	1.584	1.445	1.319	1.503	E1 9.41
25) M	Chloroform	9.494	8.419	9.142	8.318	7.639	8.603	8.48
26)	Cyclohexane	8.623	7.636	8.231	7.449	6.849	7.758	8.91
27) s	1,2-Dichloroetha...	4.423	4.208	4.073	3.927	3.891	4.104	5.31
28) I	1,4-Difluorobenzene	-----ISTD-----						
29)	1,1-Dichloropropene	0.933	0.805	0.865	0.845	0.757	0.841	7.81
30) M	2-Butanone	0.751	0.629	0.634	0.613	0.538	0.633	12.09
31)	2,2-Dichloropropane	1.028	0.936	1.003	0.972	0.869	0.962	6.48
32) M	1,1,1-Trichloroe...	1.012	0.939	1.023	0.991	0.895	0.972	5.54
33) M	Carbon Tetrachlo...	0.814	0.793	0.870	0.850	0.767	0.819	5.09
34) M	Benzene	2.708	2.351	2.509	2.466	2.214	2.450	7.52
35)	Methacrylonitrile	0.594	0.527	0.576	0.587	0.520	0.561	6.19
36) M	1,2-Dichloroethane	1.015	0.870	0.916	0.893	0.801	0.899	8.65
37) M	Trichloroethene	0.674	0.602	0.649	0.622	0.563	0.622	6.90
38)	Methylcyclohexane	1.110	1.020	1.085	1.064	0.960	1.048	5.65
39) M	1,2-Dichloropropane	0.713	0.606	0.675	0.650	0.586	0.646	7.96
40)	Dibromomethane	0.500	0.437	0.477	0.454	0.413	0.457	7.41
41) M	Bromodichloromet...	0.913	0.845	0.919	0.898	0.809	0.877	5.49
42) M	Vinyl Acetate	1.627	1.464	1.564	1.519	1.367	1.508	6.58
43)	Ethyl Acetate	1.191	1.054	1.116	1.108	0.979	1.089	7.24
44)	Isopropyl Acetate	1.858	1.624	1.775	1.751	1.578	1.717	6.65
45) T	1,4-Dioxane	0.019	0.016	0.018	0.018	0.016	0.018	7.51
46)	Methyl methacrylate	1.071	0.934	1.018	0.993	0.893	0.982	7.12
47)	n-amyl Acetate	1.402	1.332	1.546	1.583	1.404	1.453	7.33
48) M	t-1,3-Dichloropr...	1.063	0.976	1.059	1.044	0.943	1.017	5.33
49) T	cis-1,3-Dichloro...	1.085	1.008	1.100	1.080	0.972	1.049	5.32
50) M	1,1,2-Trichloroe...	0.655	0.598	0.643	0.634	0.572	0.620	5.56
51)	Ethyl methacrylate	0.784	0.719	0.814	0.825	0.740	0.776	5.91
52)	1,3-Dichloropropane	1.167	1.026	1.104	1.069	0.951	1.063	7.63
53) M	Dibromochloromet...	0.679	0.646	0.692	0.692	0.621	0.666	4.70
54) M	1,2-Dibromoethane	0.721	0.645	0.715	0.695	0.625	0.680	6.34
55) M	2-Chloroethyl vi...	0.502	0.449	0.512	0.535	0.463	0.492	7.22
56) M	Bromoform	0.455	0.450	0.506	0.524	0.469	0.481	6.80

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		-----ISTD-----						
57) I	Chlorobenzene-d5							
58) M	4-Methyl-2-Penta...	1.001	0.893	0.926	0.907	0.821	0.910	7.11
59) M	2-Hexanone	0.821	0.734	0.757	0.754	0.668	0.747	7.35
60) S	4-Bromofluoroben...	0.646	0.640	0.657	0.666	0.666	0.655	1.79
61) M	Tetrachloroethene	0.430	0.389	0.399	0.381	0.351	0.390	7.36
62) M	Toluene	2.295	2.078	2.186	2.136	1.955	2.130	5.92
63) S	Toluene-d8	1.211	1.173	1.183	1.179	1.185	1.186	1.23
64) M	Chlorobenzene	1.419	1.251	1.320	1.303	1.185	1.296	6.70
65)	1,1,1,2-Tetrachl...	0.476	0.456	0.482	0.481	0.438	0.467	4.13
66) M	Ethyl Benzene	2.651	2.366	2.481	2.431	2.198	2.425	6.81
67) M	m/p-Xylenes	0.957	0.868	0.931	0.910	0.816	0.896	6.19
68) M	o-Xylene	0.921	0.835	0.898	0.884	0.802	0.868	5.58
69) M	Styrene	1.319	1.233	1.329	1.329	1.214	1.285	4.41
70)	Isopropylbenzene	2.444	2.265	2.405	2.356	2.143	2.323	5.19
71) M	1,1,2,2-Tetrachl...	0.936	0.833	0.885	0.884	0.798	0.867	6.12
72)	1,2,3-Trichlorop...	0.775	0.719	0.764	0.749	0.661	0.734	6.23
73)	Bromobenzene	0.568	0.500	0.547	0.537	0.493	0.529	6.00
74)	n-propylbenzene	2.974	2.769	2.944	2.903	2.640	2.846	4.90
75)	2-Chlorotoluene	1.803	1.610	1.703	1.697	1.535	1.670	6.09
76)	1,3,5-Trimethylb...	2.085	1.940	2.079	2.052	1.849	2.001	5.16
77)	t-1,4-Dichloro-2...	0.267	0.266	0.308	0.321	0.292	0.291	8.32
78)	4-Chlorotoluene	2.100	1.903	2.017	2.002	1.792	1.963	6.04
79)	tert-butylbenzene	1.976	1.856	1.970	1.944	1.768	1.903	4.69
80)	1,2,4-Trimethylb...	2.060	1.937	2.076	2.073	1.867	2.003	4.76
81)	sec-Butylbenzene	2.504	2.308	2.498	2.474	2.244	2.405	5.03
82)	p-Isopropyltoluene	2.095	1.959	2.112	2.117	1.910	2.039	4.75
83) M	1,3-Dichlorobenzene	1.067	0.961	1.045	1.042	0.945	1.012	5.43
84) M	1,4-Dichlorobenzene	1.117	0.994	1.071	1.055	0.955	1.038	6.14
85)	n-Butylbenzene	2.062	1.899	2.091	2.117	1.897	2.013	5.31
86) T	Hexachloroethane	0.365	0.369	0.405	0.415	0.377	0.386	5.85
87) M	1,2-Dichlorobenzene	1.042	0.943	1.011	0.981	0.888	0.973	6.16
88)	1,2-Dibromo-3-Ch...	0.234	0.213	0.227	0.228	0.206	0.222	5.19
89)	1,2,4-Trichlorob...	0.666	0.620	0.671	0.665	0.603	0.645	4.85
90)	Hexachlorobutadiene	0.232	0.224	0.245	0.237	0.215	0.230	4.99
91) M	Naphthalene	2.572	2.252	2.414	2.438	2.222	2.379	6.04
92)	1,2,3-Trichlorob...	0.644	0.604	0.639	0.648	0.589	0.625	4.27

(#) = Out of Range