

Method Path : Z:\voasrv\HPCHEM1\MSVOA_X\Method\
 Method File : 624X072525W.M
 Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 Last Update : Sat Jul 26 05:39:32 2025
 Response Via : Initial Calibration

Calibration Files

5 =VX047148.D 20 =VX047143.D 50 =VX047144.D 100 =VX047145.D 150 =VX047146.D

Compound		5	20	50	100	150	Avg	%RSD

1) I	Bromochloromethane	-----ISTD-----						
2) M	Dichlorodifluoro...	2.376	3.614	3.038	3.232	4.819	3.416	26.45
3) M	Chloromethane	2.613	3.180	2.693	2.699	4.151	3.067	21.06
4) M	Vinyl Chloride	3.095	3.729	3.223	3.303	4.977	3.665	21.04
5) M	Bromomethane	1.445	1.666	1.290	1.322	1.975	1.539	18.50
6) M	Chloroethane	1.839	2.164	1.819	1.827	2.718	2.074	18.74
7) M	Trichlorofluorom...	3.825	5.317	4.460	4.594	6.748	4.989	22.39
8) T	Diethyl Ether	1.570	1.804	1.583	1.665	2.487	1.822	21.03
9)	1,1,2-Trichlorot...	2.413	2.986	2.607	2.713	4.096	2.963	22.49
10) M	1,1-Dichloroethene	2.467	3.214	2.597	2.714	4.096	3.018	22.06
11)	Methyl Iodide	3.964	4.169	4.111	4.497	6.682	4.684	24.19
12)	Methyl Acetate	3.200	3.810	3.286	3.453	5.138	3.777	21.06
13) M	Acrolein	0.365	0.486	0.408	0.485	0.783	0.505	32.36
14) M	Acrylonitrile	1.306	1.650	1.332	1.397	2.110	1.559	21.59
15) M	Acetone	0.346	0.405	0.319	0.336	0.507	0.383	20.01
16) M	Carbon Disulfide	0.908	0.885	0.729	0.752	1.123	0.879	E1 17.87
17)	Allyl chloride	4.294	5.339	4.486	4.768	7.037	5.185	21.36
18) M	Methylene Chloride	2.909	3.398	2.849	2.911	4.307	3.275	18.87
19) M	trans-1,2-Dichlo...	2.678	3.285	2.726	2.791	4.056	3.107	18.77
20) T	Diisopropyl ether	0.972	1.183	0.970	0.981	1.435	1.108	E1 18.41
21) M	1,1-Dichloroethane	5.351	6.254	5.226	5.373	7.963	6.033	19.13
22) M	cis-1,2-Dichloro...	3.556	3.906	3.214	3.340	4.954	3.794	18.43
23) M	tert-Butyl Alcohol	0.404	0.441	0.372	0.378	0.571	0.433	18.81
24) M	Methyl tert-Buty...	0.897	1.054	0.876	0.909	1.346	1.016	E1 19.38
25) M	Chloroform	5.204	6.286	5.133	5.275	7.803	5.940	19.24
26)	Cyclohexane	5.407	5.924	4.794	4.914	7.262	5.660	17.68
27) s	1,2-Dichloroetha...	3.229	4.299	3.345	3.207	4.861	3.788	19.84

28) I	1,4-Difluorobenzene	-----ISTD-----						
29)	1,1-Dichloropropene	0.512	0.432	0.458	0.476	0.458	0.467	6.35
30) M	2-Butanone	0.229	0.207	0.217	0.229	0.221	0.221	4.26
31)	2,2-Dichloropropane	0.515	0.468	0.489	0.526	0.512	0.502	4.62
32) M	1,1,1-Trichloroe...	0.598	0.535	0.571	0.606	0.584	0.579	4.83
33) M	Carbon Tetrachlo...	0.340	0.369	0.399	0.475	0.463	0.409	14.28
34) M	Benzene	1.417	1.311	1.363	1.428	1.379	1.379	3.39
35)	Methacrylonitrile	0.247	0.225	0.235	0.245	0.241	0.239	3.81
36) M	1,2-Dichloroethane	0.547	0.469	0.486	0.507	0.484	0.499	6.03
37) M	Trichloroethene	0.350	0.327	0.340	0.364	0.354	0.347	4.00
38)	Methylcyclohexane	0.653	0.549	0.587	0.621	0.602	0.602	6.46
39) M	1,2-Dichloropropane	0.377	0.328	0.351	0.362	0.350	0.354	5.11
40)	Dibromomethane	0.249	0.230	0.245	0.258	0.253	0.247	4.40
41) M	Bromodichloromet...	0.543	0.469	0.506	0.540	0.523	0.516	5.87
42) M	Vinyl Acetate	1.034	0.942	1.010	1.062	1.025	1.015	4.42
43)	Ethyl Acetate	0.568	0.423	0.492	0.509	0.510	0.500	10.40
44)	Isopropyl Acetate	0.784	0.725	0.780	0.845	0.825	0.792	5.85
45) T	1,4-Dioxane	0.006	0.005	0.005	0.005	0.004	0.005	12.34
46)	Methyl methacrylate	0.418	0.367	0.398	0.429	0.419	0.406	6.03
47)	n-amyl Acetate	0.710	0.645	0.697	0.715	0.695	0.692	4.04
48) M	t-1,3-Dichloropr...	0.502	0.450	0.492	0.527	0.524	0.499	6.25
49) T	cis-1,3-Dichloro...	0.567	0.498	0.535	0.570	0.559	0.546	5.54
50) M	1,1,2-Trichloroe...	0.355	0.313	0.319	0.334	0.319	0.328	5.16
51)	Ethyl methacrylate	0.529	0.495	0.533	0.565	0.551	0.535	4.96
52)	1,3-Dichloropropane	0.633	0.534	0.554	0.573	0.552	0.569	6.77
53) M	Dibromochloromet...	0.075	0.098	0.104	0.156	0.169	0.120	33.38
54) M	1,2-Dibromoethane	0.376	0.322	0.337	0.349	0.333	0.343	5.94
55) M	2-Chloroethyl vi...	0.242	0.251	0.268	0.273	0.269	0.261	5.15
56) M	Bromoform	0.011	0.004	0.003	0.005	0.001	0.005	78.40

Method Path : Z:\voasrv\HPCHEM1\MSVOA_X\Method\
 Method File : 624X072525W.M

		-----ISTD-----						
57) I	Chlorobenzene-d5							
58) M	4-Methyl-2-Penta...	0.540	0.493	0.521	0.546	0.517	0.523	3.98
59) M	2-Hexanone	0.391	0.352	0.364	0.381	0.364	0.370	4.12
60) S	4-Bromofluoroben...	0.504	0.500	0.488	0.476	0.475	0.489	2.68
61) M	Tetrachloroethene	0.364	0.309	0.316	0.333	0.321	0.328	6.61
62) M	Toluene	1.828	1.581	1.624	1.718	1.637	1.678	5.83
63) S	Toluene-d8	1.314	1.317	1.306	1.301	1.295	1.307	0.71
64) M	Chlorobenzene	1.170	1.006	1.038	1.099	1.065	1.076	5.86
65)	1,1,1,2-Tetrachl...	0.263	0.333	0.355	0.383	0.366	0.340	13.73
66) M	Ethyl Benzene	2.110	1.792	1.859	1.963	1.874	1.920	6.40
67) M	m/p-Xylenes	0.780	0.677	0.696	0.719	0.684	0.711	5.84
68) M	o-Xylene	0.742	0.649	0.664	0.706	0.669	0.686	5.52
69) M	Styrene	1.280	1.106	1.144	1.212	1.140	1.177	5.92
70)	Isopropylbenzene	2.028	1.729	1.785	1.839	1.755	1.827	6.54
71) M	1,1,2,2-Tetrachl...	0.619	0.514	0.528	0.546	0.503	0.542	8.50
72)	1,2,3-Trichlorop...	0.447	0.403	0.408	0.424	0.405	0.418	4.46
73)	Bromobenzene	0.501	0.414	0.420	0.441	0.411	0.437	8.57
74)	n-propylbenzene	2.478	2.081	2.117	2.209	2.085	2.194	7.60
75)	2-Chlorotoluene	1.500	1.236	1.248	1.288	1.220	1.298	8.89
76)	1,3,5-Trimethylb...	1.724	1.442	1.444	1.492	1.415	1.503	8.41
77)	t-1,4-Dichloro-2...	0.035	0.048	0.049	0.078	0.099	0.062	41.90
78)	4-Chlorotoluene	1.707	1.428	1.446	1.497	1.408	1.497	8.13
79)	tert-butylbenzene	1.689	1.430	1.453	1.519	1.432	1.505	7.25
80)	1,2,4-Trimethylb...	1.698	1.414	1.448	1.489	1.407	1.491	8.04
81)	sec-Butylbenzene	2.151	1.776	1.805	1.886	1.772	1.878	8.50
82)	p-Isopropyltoluene	1.793	1.479	1.507	1.556	1.468	1.560	8.60
83) M	1,3-Dichlorobenzene	0.950	0.779	0.791	0.810	0.756	0.817	9.38
84) M	1,4-Dichlorobenzene	0.948	0.772	0.789	0.797	0.744	0.810	9.85
85)	n-Butylbenzene	1.777	1.411	1.423	1.480	1.395	1.497	10.67
86) T	Hexachloroethane	0.241	0.244	0.138	0.182	0.271	0.215	25.17
87) M	1,2-Dichlorobenzene	0.878	0.738	0.744	0.753	0.718	0.766	8.35
88)	1,2-Dibromo-3-Ch...	0.134	0.106	0.111	0.119	0.117	0.117	9.02
89)	1,2,4-Trichlorob...	0.639	0.488	0.495	0.527	0.500	0.530	11.89
90)	Hexachlorobutadiene	0.101	0.135	0.056	0.141	0.154	0.117	33.52
91) M	Naphthalene	2.197	1.702	1.666	1.718	1.661	1.789	12.82
92)	1,2,3-Trichlorob...	0.615	0.459	0.478	0.507	0.483	0.508	12.23

(#) = Out of Range