

Method Path : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\
 Method File : 624N090319W.M
 Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 Last Update : Wed Sep 04 02:08:50 2019
 Response Via : Initial Calibration

Calibration Files

5 =VN057662.D 20 =VN057663.D 50 =VN057664.D
 100 =VN057665.D 150 =VN057666.D

	Compound	5	20	50	100	150	Avg	%RSD

1) I	Bromochloromethane	-----ISTD-----						
2) M	Dichlorodifluoromet	2.029	2.055	2.248	2.260	2.215	2.161	5.11
3) M	Chloromethane	2.334	2.252	2.254	2.322	2.234	2.279	2.00
4) M	Vinyl Chloride	1.849	1.847	1.834	1.908	1.881	1.864	1.63
5) M	Bromomethane	1.361	1.229	1.117	1.109	1.143	1.192	8.90
6) M	Chloroethane	1.408	1.387	1.348	1.353	1.310	1.361	2.80
7) M	Trichlorofluorometh	3.683	3.417	3.470	3.647	3.632	3.570	3.31
8) T	Diethyl Ether	1.176	1.181	1.174	1.188	1.152	1.174	1.13
9)	1,1,2-Trichlorotrif	1.952	1.811	1.869	1.828	1.816	1.855	3.17
10) M	1,1-Dichloroethene	1.708	1.651	1.692	1.701	1.710	1.692	1.44
11)	Methyl Iodide	2.128	2.175	2.394	2.549	2.472	2.344	7.87
12)	Methyl Acetate	2.658	2.488	2.487	2.503	2.499	2.527	2.90
13) M	Acrolein	0.150	0.147	0.139	0.142	0.139	0.143	3.31
14) M	Acrylonitrile	0.903	0.896	0.903	0.958	0.938	0.920	2.94
15) M	Acetone	0.277	0.243	0.251	0.273	0.246	0.258	6.10
16) M	Carbon Disulfide	4.108	3.947	4.234	4.487	4.482	4.252	5.55
17)	Allyl chloride	3.555	3.288	3.410	3.914	3.907	3.615	7.92
18) M	Methylene Chloride	2.375	2.032	2.069	2.089	2.038	2.121	6.80
19) M	trans-1,2-Dichloroe	1.811	1.747	1.781	1.822	1.790	1.790	1.62
20) T	Diisopropyl ether	7.687	7.803	7.605	7.957	7.893	7.789	1.85
21) M	1,1-Dichloroethane	4.155	4.005	3.949	4.022	3.943	4.015	2.13
22) M	cis-1,2-Dichloroeth	2.206	2.191	2.183	2.189	2.165	2.187	0.68
23) M	tert-Butyl Alcohol	0.314	0.311	0.335	0.356	0.355	0.334	6.39
24) M	Methyl tert-Butyl E	6.830	6.583	6.585	6.856	6.771	6.725	1.96
25) M	Chloroform	4.130	4.126	4.127	4.234	4.191	4.162	1.18
26)	Cyclohexane	3.565	3.376	3.368	3.420	3.365	3.419	2.48
27) s	1,2-Dichloroethane-	3.159	3.278	3.174	3.216	3.118	3.189	1.91

28) I	1,4-Difluorobenzene	-----ISTD-----						
29)	1,1-Dichloropropene	0.486	0.467	0.484	0.475	0.483	0.479	1.69
30) M	2-Butanone	0.220	0.216	0.230	0.233	0.232	0.226	3.38
31)	2,2-Dichloropropane	0.588	0.556	0.602	0.609	0.610	0.593	3.82
32) M	1,1,1-Trichloroetha	0.564	0.559	0.607	0.610	0.625	0.593	4.95
33) M	Carbon Tetrachlorid	0.455	0.445	0.491	0.499	0.518	0.482	6.30
34) M	Benzene	1.406	1.341	1.395	1.371	1.368	1.376	1.84
35)	Methacrylonitrile	0.146	0.180	0.235	0.207	0.268	0.207	22.79
36) M	1,2-Dichloroethane	0.628	0.581	0.624	0.616	0.618	0.613	3.04
37) M	Trichloroethene	0.329	0.313	0.332	0.329	0.331	0.327	2.45
38)	Methylcyclohexane	0.562	0.506	0.539	0.520	0.530	0.532	3.92
39) M	1,2-Dichloropropane	0.385	0.367	0.383	0.372	0.375	0.376	1.96
40)	Dibromomethane	0.246	0.232	0.244	0.246	0.251	0.244	2.91
41) M	Bromodichloromethan	0.488	0.488	0.537	0.552	0.572	0.527	7.22
42) M	Vinyl Acetate	1.002	1.006	1.070	1.002	0.894	0.995	6.38
43)	Ethyl Acetate	0.439	0.426	0.478	0.489	0.498	0.466	6.85
44)	Isopropyl Acetate	0.829	0.831	0.880	0.893	0.923	0.871	4.64
45) T	1,4-Dioxane	0.005	0.005	0.006	0.006	0.006	0.006#	2.91
46)	Methyl methacrylate	0.393	0.391	0.434	0.441	0.454	0.423	6.81
47)	n-amyl Acetate	0.568	0.580	0.708	0.741	0.782	0.676	14.30
48) M	t-1,3-Dichloroprope	0.481	0.510	0.567	0.591	0.616	0.553	10.12
49) T	cis-1,3-Dichloropro	0.549	0.554	0.597	0.618	0.632	0.590	6.30
50) M	1,1,2-Trichloroetha	0.333	0.315	0.330	0.330	0.337	0.329	2.52
51)	Ethyl methacrylate	0.487	0.487	0.558	0.563	0.587	0.536	8.63
52)	1,3-Dichloropropane	0.588	0.564	0.587	0.590	0.598	0.586	2.23

Method Path : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\
 Method File : 624N090319W.M
 Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 Last Update : Wed Sep 04 02:08:50 2019
 Response Via : Initial Calibration

Calibration Files

5 =VN057662.D 20 =VN057663.D 50 =VN057664.D
 100 =VN057665.D 150 =VN057666.D

	Compound	5	20	50	100	150	Avg	%RSD
53) M	Dibromochloromethan	0.289	0.303	0.354	0.377	0.394	0.343	13.33
54) M	1,2-Dibromoethane	0.306	0.307	0.337	0.339	0.355	0.329	6.58
55) M	2-Chloroethyl vinyl	0.140	0.144	0.186	0.183	0.196	0.169	15.32
56) M	Bromoform	0.161	0.178	0.220	0.246	0.260	0.213	19.94
57) I	Chlorobenzene-d5	-----ISTD-----						
58) M	4-Methyl-2-Pentanone	0.558	0.543	0.553	0.533	0.464	0.530	7.22
59) M	2-Hexanone	0.382	0.352	0.385	0.394	0.362	0.375	4.65
60) S	4-Bromofluorobenzene	0.429	0.475	0.547	0.551	0.561	0.513	11.30
61) M	Tetrachloroethene	0.388	0.353	0.328	0.330	0.323	0.344	7.83
62) M	Toluene	1.834	1.657	1.675	1.678	1.579	1.684	5.51
63) S	Toluene-d8	1.498	1.483	1.420	1.434	1.388	1.445	3.15
64) M	Chlorobenzene	1.023	0.928	0.977	1.013	1.004	0.989	3.88
65)	1,1,1,2-Tetrachloro	0.350	0.336	0.362	0.379	0.384	0.362	5.48
66) M	Ethyl Benzene	1.935	1.843	1.958	1.926	1.752	1.883	4.52
67) M	m/p-Xylenes	0.640	0.622	0.670	0.689	0.680	0.660	4.30
68) M	o-Xylene	0.651	0.620	0.661	0.672	0.683	0.658	3.66
69) M	Styrene	0.875	0.949	1.106	1.164	1.175	1.054	12.79
70)	Isopropylbenzene	1.777	1.741	1.890	1.875	1.735	1.803	4.11
71) M	1,1,2,2-Tetrachloro	0.444	0.459	0.479	0.494	0.497	0.475	4.76
72)	1,2,3-Trichloroprop	0.459	0.412	0.442	0.457	0.461	0.446	4.60
73)	Bromobenzene	0.346	0.337	0.397	0.412	0.419	0.382	9.91
74)	n-propylbenzene	1.952	1.817	2.142	2.138	1.933	1.996	7.05
75)	2-Chlorotoluene	1.160	1.142	1.294	1.335	1.317	1.250	7.30
76)	1,3,5-Trimethylbenz	1.459	1.363	1.556	1.584	1.524	1.497	5.89
77)	t-1,4-Dichloro-2-bu	0.091	0.110	0.146	0.165	0.170	0.136	25.30
78)	4-Chlorotoluene	1.035	1.012	1.249	1.313	1.330	1.188	12.89
79)	tert-butylbenzene	1.275	1.181	1.306	1.346	1.322	1.286	4.99
80)	1,2,4-Trimethylbenz	1.306	1.280	1.487	1.513	1.448	1.407	7.58
81)	sec-Butylbenzene	1.560	1.503	1.758	1.782	1.682	1.657	7.38
82)	p-Isopropyltoluene	1.333	1.243	1.454	1.536	1.471	1.407	8.36
83) M	1,3-Dichlorobenzene	0.428	0.473	0.606	0.660	0.694	0.572	20.40
84) M	1,4-Dichlorobenzene	0.386	0.436	0.572	0.636	0.671	0.540	23.01
85)	n-Butylbenzene	1.052	1.111	1.313	1.368	1.341	1.237	11.72
86) T	Hexachloroethane	0.206	0.225	0.265	0.288	0.289	0.255	14.79
87) M	1,2-Dichlorobenzene	0.387	0.447	0.548	0.612	0.647	0.528	20.76
88)	1,2-Dibromo-3-Chlor	0.046	0.047	0.070	0.087	0.097	0.070	33.14
89)	1,2,4-Trichlorobenz	0.080	0.091	0.172	0.259	0.312	0.183	55.61
90)	Hexachlorobutadiene	0.184	0.191	0.208	0.215	0.217	0.203	7.26
91) M	Naphthalene	0.191	0.223	0.439	0.690	0.833	0.475	59.48
92)	1,2,3-Trichlorobenz	0.082	0.090	0.165	0.249	0.302	0.178	54.59

(#) = Out of Range