

Method Path : Z:\voasrv\HPCHEM1\MSVOA_V\Method\
 Method File : SOMVLM041321WMA.M
 Title : VOC Analysis
 Last Update : Wed Apr 14 03:24:48 2021
 Response Via : Initial Calibration

Calibration Files

5 =VV020988.D 10 =VV020989.D 50 =VV020990.D 100 =VV020991.D 200 =VV020992.D

Compound		5	10	50	100	200	Avg	%RSD

1) I	1,4-Difluorobenzene	-----ISTD-----						
2) T	Dichlorodifluoro...	0.476	0.460	0.424	0.409	0.403	0.434	7.39
3) T	Chloromethane	0.350	0.347	0.309	0.290	0.272	0.313	10.99
4) S	Vinyl Chloride-d3	0.296	0.284	0.282	0.287	0.278	0.285	2.29
5) T	Vinyl chloride	0.341	0.337	0.312	0.302	0.301	0.319	5.98
6) T	Bromomethane	0.217	0.200	0.185	0.185	0.201	0.198	6.78
7) S	Chloroethane-d5	0.231	0.223	0.226	0.222	0.215	0.223	2.59
8) T	Chloroethane	0.298	0.270	0.216	0.197	0.187	0.234	20.72
9) T	Trichlorofluorom...	0.796	0.758	0.728	0.689	0.687	0.732	6.32
10) T	1,1,2-Trichloro-...	0.414	0.368	0.353	0.332	0.330	0.360	9.56
11) S	1,1-Dichloroethe...	0.640	0.622	0.609	0.606	0.582	0.612	3.50
12) T	1,1-Dichloroethene	0.330	0.330	0.310	0.296	0.295	0.312	5.58
13) T	Acetone	0.187	0.155	0.149	0.129	0.149	0.154	13.64
14) T	Carbon disulfide	0.976	0.970	0.882	0.850	0.846	0.905	7.03
15) T	Methyl Acetate	0.247	0.265	0.266	0.254	0.254	0.257	3.11
16) T	Methylene chloride	0.382	0.354	0.330	0.320	0.316	0.340	8.08
17) T	trans-1,2-Dichlo...	0.376	0.345	0.338	0.324	0.327	0.342	6.16
18) T	Methyl tert-buty...	1.059	1.029	1.056	1.033	1.044	1.044	1.28
19) T	1,1-Dichloroethane	0.638	0.606	0.582	0.541	0.543	0.582	7.16
20) T	cis-1,2-Dichloro...	0.384	0.365	0.355	0.355	0.355	0.363	3.46
21) S	2-Butanone-d5	0.141	0.152	0.185	0.188	0.185	0.170	12.98
22) T	2-Butanone	0.184	0.184	0.193	0.188	0.206	0.191	4.62
23) T	Bromochloromethane	0.232	0.216	0.215	0.207	0.205	0.215	4.87
24) S	Chloroform-d	0.723	0.745	0.711	0.727	0.693	0.720	2.71
25) T	Chloroform	0.782	0.738	0.700	0.671	0.662	0.711	7.00
26) S	1,2-Dichloroetha...	0.477	0.457	0.475	0.477	0.454	0.468	2.39
27) T	1,2-Dichloroethane	0.597	0.568	0.567	0.540	0.532	0.561	4.60

28) I	Chlorobenzene-d5	-----ISTD-----						
29) T	Cyclohexane	0.414	0.448	0.489	0.456	0.476	0.457	6.25
30) T	1,1,1-Trichloroe...	0.760	0.723	0.713	0.666	0.679	0.708	5.29
31) T	Carbon tetrachlo...	0.713	0.679	0.674	0.629	0.641	0.667	4.97
32) S	Benzene-d6	1.145	1.203	1.267	1.254	1.246	1.223	4.06
33) T	Benzene	1.318	1.374	1.336	1.248	1.272	1.309	3.83
34) T	Trichloroethene	0.399	0.378	0.389	0.361	0.376	0.381	3.76
35) T	Methylcyclohexane	0.567	0.520	0.594	0.559	0.577	0.563	4.87
36) S	1,2-Dichloroprop...	0.355	0.341	0.357	0.350	0.353	0.351	1.81
37) T	1,2-Dichloropropane	0.327	0.311	0.325	0.298	0.302	0.313	4.24
38) T	Bromodichloromet...	0.578	0.559	0.549	0.513	0.528	0.545	4.71
39) T	cis-1,3-Dichloro...	0.474	0.526	0.573	0.538	0.577	0.538	7.82
40) T	4-Methyl-2-penta...	0.326	0.353	0.397	0.366	0.391	0.367	7.88
41) S	Toluene-d8	1.168	1.196	1.306	1.298	1.293	1.252	5.22
42) T	Toluene	1.488	1.535	1.596	1.466	1.513	1.520	3.29
43) S	trans-1,3-Dichlo...	0.186	0.199	0.227	0.229	0.239	0.216	10.30
44) T	trans-1,3-Dichlo...	0.536	0.549	0.589	0.575	0.615	0.573	5.51
45) T	1,1,2-Trichloroe...	0.372	0.365	0.371	0.335	0.354	0.360	4.26
46) T	Tetrachloroethene	0.415	0.370	0.381	0.348	0.365	0.376	6.63
47) S	2-Hexanone-d5	0.118	0.127	0.157	0.163	0.169	0.147	15.46
48) T	2-Hexanone	0.259	0.273	0.315	0.295	0.323	0.293	9.24
49) T	Dibromochloromet...	0.500	0.491	0.491	0.475	0.496	0.490	1.94
50) T	1,2-Dibromoethane	0.408	0.407	0.411	0.387	0.406	0.404	2.33
51) T	Chlorobenzene	1.099	1.081	1.065	1.013	1.037	1.059	3.22
52) T	Ethylbenzene	1.680	1.681	1.827	1.731	1.769	1.738	3.59
53) T	m,p-Xylene	0.657	0.658	0.710	0.676	0.693	0.679	3.36
54) T	o-xylene	0.591	0.631	0.680	0.655	0.682	0.648	5.87
55) T	Styrene	0.922	1.045	1.190	1.145	1.194	1.099	10.57
56) T	Isopropylbenzene	1.669	1.676	1.896	1.854	1.901	1.799	6.50

Scan 2801 (10.046 min): VV020987.D\data.ms
BFB75

m/z	Abundance
39.90	178.0
44.10	313.0

m/z	Abundance
36.00	535.0
37.10	1547.0
38.10	2112.0
39.10	746.0
40.00	318.0
42.60	104.0
44.20	500.0
45.10	504.0
47.20	531.0
48.00	381.0
49.00	1663.0
50.10	8498.0
51.10	2750.0
55.10	263.0
56.10	786.0
57.00	1359.0
60.10	686.0
61.10	2509.0
62.10	2747.0
63.10	2089.0
64.10	401.0
65.10	791.0
66.90	156.0
68.00	4932.0
69.10	5558.0
70.10	500.0
72.00	329.0
73.00	2317.0
74.10	9223.0
75.10	27248.0
76.10	2149.0
77.10	453.0
78.00	208.0
79.00	2019.0
80.00	638.0
81.00	1842.0
82.00	447.0
87.00	2048.0
88.00	1493.0
90.90	187.0
91.00	187.0
92.10	1820.0
93.00	2542.0
94.10	6882.0
95.10	53864.0
96.10	3253.0
97.20	110.0
103.90	285.0
105.90	226.0
107.00	130.0
115.90	121.0
117.10	372.0
117.90	277.0
119.00	285.0
127.80	250.0
130.00	259.0
135.00	152.0
137.10	234.0
140.90	759.0
143.00	1203.0
144.90	417.0
145.90	112.0
147.00	105.0
148.80	125.0
154.70	147.0
155.20	202.0
158.10	109.0
171.90	1166.0
173.10	1110.0
174.00	53328.0
175.00	3641.0
176.00	50216.0
177.00	3219.0

m/z	Abundance
36.00	551.0
37.00	1639.0
38.10	2075.0
39.10	928.0
40.00	356.0
44.20	466.0
45.10	366.0
47.20	567.0
48.00	438.0
49.00	1784.0
50.10	9346.0
51.10	2975.0
55.10	234.0
56.10	782.0
57.00	1450.0
60.10	697.0
61.10	2447.0
62.10	2752.0
63.00	2146.0
64.10	497.0
65.10	669.0
66.90	138.0
68.00	5104.0
69.10	5692.0
70.10	387.0
72.10	337.0
73.00	2317.0
74.10	9480.0
75.10	27568.0
76.10	2465.0
77.10	585.0
78.00	105.0
79.00	2000.0
80.00	523.0
81.00	1884.0
81.90	375.0
87.00	2008.0
88.00	1768.0
90.80	164.0
91.20	175.0
92.10	2065.0
93.00	2571.0
94.00	7183.0
95.10	55896.0
96.10	3611.0
97.30	109.0
103.90	290.0
104.80	106.0
105.90	294.0
107.00	167.0
116.00	158.0
117.00	390.0
117.90	281.0
118.90	270.0
127.70	144.0
129.00	134.0
130.10	349.0
135.00	131.0
137.10	208.0
141.00	754.0
143.00	1439.0
144.90	434.0
145.90	139.0
154.70	242.0
155.20	260.0
172.00	1257.0
173.10	909.0
174.00	53864.0
175.00	4060.0
176.00	51680.0
177.00	3366.0
178.00	127.0

m/z	Abundance
36.00	445.0
37.00	1707.0
38.10	1739.0
39.10	963.0
40.00	276.0
44.10	407.0
45.00	244.0
47.20	465.0
48.00	354.0
49.00	1680.0
50.10	8804.0
51.10	2826.0
55.10	188.0
56.00	802.0
57.00	1369.0
60.10	685.0
61.10	2155.0
62.10	2438.0
63.00	2036.0
64.10	431.0
65.10	592.0
66.90	177.0
68.00	4749.0
69.00	5135.0
70.10	310.0
72.10	293.0
73.10	2128.0
74.10	8669.0
75.10	25240.0
76.10	2568.0
77.10	593.0
78.10	128.0
79.00	1809.0
80.00	467.0
81.00	1882.0
81.90	320.0
87.00	1890.0
87.90	1714.0
90.80	133.0
91.20	143.0
92.10	2036.0
93.00	2526.0
94.00	6740.0
95.10	53368.0
96.00	3716.0
103.90	239.0
104.80	171.0
105.90	356.0
107.00	139.0
116.10	317.0
116.90	393.0
117.80	233.0
118.90	309.0
129.00	154.0
130.10	355.0
135.00	116.0
137.20	106.0
140.90	769.0
143.00	1317.0
144.90	379.0
145.90	183.0
154.70	222.0
155.20	295.0
169.80	106.0
170.90	139.0
172.00	1211.0
173.00	688.0
174.00	49568.0
175.10	4023.0
176.00	48344.0
177.00	3262.0
178.00	101.0

Method Path : Z:\voasrv\HPCHEM1\MSVOA_V\Method\

Method File : SOMVLM041321WMA.M

57)	S	1,1,2,2-Tetrachl...	0.546	0.513	0.563	0.553	0.572	0.549	4.09
58)	T	1,1,2,2-Tetrachl...	0.580	0.592	0.584	0.539	0.565	0.572	3.66
59)	MA	1,2,3-Trichlorop...	0.465	0.468	0.472	0.434	0.451	0.458	3.42
60)	I	1,4-Dichlorobenzen...	-----ISTD-----						
61)	T	Bromoform	0.699	0.674	0.666	0.639	0.659	0.667	3.28
62)	T	1,3-Dichlorobenzene	1.678	1.635	1.628	1.541	1.589	1.614	3.19
63)	T	1,4-Dichlorobenzene	1.765	1.719	1.646	1.563	1.612	1.661	4.90
64)	S	1,2-Dichlorobenz...	1.009	0.989	1.023	1.019	1.029	1.014	1.53
65)	T	1,2-Dichlorobenzene	1.708	1.667	1.630	1.550	1.565	1.624	4.13
66)	T	1,2-Dibromo-3-ch...	0.258	0.228	0.249	0.239	0.255	0.246	5.08
67)	MA	1,3,5-Trichlorob...	1.324	1.317	1.350	1.289	1.364	1.329	2.23
68)	T	1,2,4-trichlorob...	1.013	1.000	1.141	1.149	1.219	1.105	8.56
69)	MA	Naphthalene	2.203	2.484	3.214	3.272	3.398	2.914	18.34
70)	T	1,2,3-Trichlorob...	0.964	1.054	1.167	1.161	1.187	1.107	8.58

(#) = Out of Range