

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061121\
 Data File : VN067310.D
 Acq On : 12 Jun 2021 2:24
 Operator : JC/MD
 Sample : VN0611WBSD02
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0611WBSD02

Manual Integrations
 APPROVED

MMDadoda
 6/14/2021 4:12:00 PM

Quant Time: Jun 12 09:28:32 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N061121W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Sat Jun 12 09:13:15 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Bromochloromethane	7.662	128	68391	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.968	114	407191	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.747	117	373399	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.440	65	218550	30.408	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 101.367%			
60) 4-Bromofluorobenzene	12.734	95	212664	29.500	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 98.333%			
63) Toluene-d8	10.443	98	538676	30.250	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 100.833%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.073	85	91716	17.980	ug/l	95
3) Chloromethane	2.301	50	97545	17.833	ug/l	99
4) Vinyl Chloride	2.443	62	96116	17.798	ug/l	96
5) Bromomethane	2.853	94	53275	19.655	ug/l	95
6) Chloroethane	3.017	64	56462	17.907	ug/l	94
7) Trichlorofluoromethane	3.374	101	131689	18.260	ug/l	92
8) Diethyl Ether	3.821	74	53289	18.131	ug/l	96
9) 1,1,2-Trichlorotrifluo...	4.205	101	77538m	18.183	ug/l	
10) 1,1-Dichloroethene	4.170	96	77226m	18.642	ug/l	
11) Methyl Iodide	4.414	142	80626	16.183	ug/l	99
12) Methyl Acetate	4.857	43	111411	18.129	ug/l	100
13) Acrolein	4.039	56	69481	94.742	ug/l	100
14) Acrylonitrile	5.557	53	239430	92.795	ug/l	99
15) Acetone	4.291	58	60378	93.562	ug/l	95
16) Carbon Disulfide	4.524	76	240712	18.327	ug/l	99
17) Allyl chloride	4.838	41	157463	17.470	ug/l	97
18) Methylene Chloride	5.098	84	91550	18.013	ug/l	98
19) trans-1,2-Dichloroethene	5.594	96	84515	18.715	ug/l	96
20) Diisopropyl ether	6.501	45	317397	18.145	ug/l	99
21) 1,1-Dichloroethane	6.385	63	178063	18.381	ug/l	100
22) cis-1,2-Dichloroethene	7.327	96	97116	18.100	ug/l	100
23) tert-Butyl Alcohol	5.390	59	105146	91.940	ug/l #	100
24) Methyl tert-Butyl Ether	5.621	73	318336	18.086	ug/l	100
25) Chloroform	7.818	83	182610	18.411	ug/l	100
26) Cyclohexane	8.096	56	153781	18.318	ug/l #	99
29) 1,1-Dichloropropene	8.223	75	133458	18.308	ug/l	98
30) 2-Butanone	7.343	43	344461	92.070	ug/l	99
31) 2,2-Dichloropropane	7.327	77	129769	16.626	ug/l	99
32) 1,1,1-Trichloroethane	8.016	97	171986	18.570	ug/l	99
33) Carbon Tetrachloride	8.206	117	138468	17.787	ug/l	100
34) Benzene	8.461	78	373230	18.205	ug/l	99
35) Methacrylonitrile	7.641	41	76610	19.001	ug/l	97
36) 1,2-Dichloroethane	8.531	62	159959	18.339	ug/l	100
37) Trichloroethene	9.218	130	87740	18.081	ug/l	96
38) Methylcyclohexane	9.459	83	138661	18.473	ug/l	98
39) 1,2-Dichloropropane	9.494	63	101050	18.257	ug/l	99
40) Dibromomethane	9.580	93	69044	18.168	ug/l	98
41) Bromodichloromethane	9.765	83	149825	18.285	ug/l	97
42) Vinyl Acetate	6.436	43	1438009	91.324	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.418	43	143060	18.795	ug/l #	72
44) Isopropyl Acetate	8.566	43	257564	18.303	ug/l	99
45) 1,4-Dioxane	9.574	88	33792	368.850	ug/l #	88
46) Methyl methacrylate	9.564	41	114333	18.294	ug/l	97
47) n-amyl Acetate	12.390	43	209399	17.548	ug/l	100
48) t-1,3-Dichloropropene	10.719	75	159917	17.671	ug/l	97
49) cis-1,3-Dichloropropene	10.191	75	162713	17.896	ug/l	98
50) 1,1,2-Trichloroethane	10.899	97	91872	18.609	ug/l	99
51) Ethyl methacrylate	10.762	69	162408	18.005	ug/l	98
52) 1,3-Dichloropropane	11.047	76	165371	18.387	ug/l	99
53) Dibromochloromethane	11.240	129	96931	17.654	ug/l	99
54) 1,2-Dibromoethane	11.347	107	92670	17.994	ug/l	100
55) 2-Chloroethyl vinyl ether	10.044	63	187009	81.806	ug/l	99
56) Bromoform	12.460	173	63969	17.167	ug/l #	96
58) 4-Methyl-2-Pentanone	10.333	43	744381	90.696	ug/l	100
59) 2-Hexanone	11.090	43	533840	89.938	ug/l	99
61) Tetrachloroethene	10.980	164	78371	18.108	ug/l	95
62) Toluene	10.508	91	405977	18.166	ug/l	98
64) Chlorobenzene	11.773	112	235238	17.919	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.843	131	88764	17.892	ug/l	99
66) Ethyl Benzene	11.849	91	468358	18.049	ug/l	100
67) m/p-Xylenes	11.956	106	327678	35.797	ug/l	99
68) o-Xylene	12.283	106	163165	17.855	ug/l	99
69) Styrene	12.296	104	269958	17.569	ug/l	99
70) Isopropylbenzene	12.581	105	424155	18.019	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.830	83	131902	18.417	ug/l	98
72) 1,2,3-Trichloropropane	12.881	75	135795m	19.030	ug/l	
73) Bromobenzene	12.862	156	86361	17.630	ug/l	98
74) n-propylbenzene	12.921	91	510445	18.040	ug/l	100
75) 2-Chlorotoluene	13.010	91	316149	17.647	ug/l #	100
76) 1,3,5-Trimethylbenzene	13.061	105	359425	18.020	ug/l	99
77) t-1,4-Dichloro-2-butene	12.626	75	39104	15.729	ug/l	98
78) 4-Chlorotoluene	13.106	91	315648	17.720	ug/l	100
79) tert-butylbenzene	13.326	119	283830	17.712	ug/l	98
80) 1,2,4-Trimethylbenzene	13.369	105	347308m	17.635	ug/l	
81) sec-Butylbenzene	13.503	105	398280	17.903	ug/l	100
82) p-Isopropyltoluene	13.619	119	318507	17.756	ug/l	99
83) 1,3-Dichlorobenzene	13.616	146	154569	17.503	ug/l	99
84) 1,4-Dichlorobenzene	13.696	146	154311	17.409	ug/l	99
85) n-Butylbenzene	13.943	91	296413	17.763	ug/l	99
86) Hexachloroethane	14.211	117	64328	17.526	ug/l	100
87) 1,2-Dichlorobenzene	13.991	146	152104	17.648	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	14.603	75	31739	17.497	ug/l	97
89) 1,2,4-Trichlorobenzene	15.265	180	78983	18.018	ug/l	99
90) Hexachlorobutadiene	15.373	225	41861	17.988	ug/l	98
91) Naphthalene	15.507	128	263353	17.896	ug/l	99
92) 1,2,3-Trichlorobenzene	15.705	180	75173	17.634	ug/l	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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