

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072221\
 Data File : VN067858.D
 Acq On : 22 Jul 2021 13:15
 Operator : JC/MD
 Sample : VN0722WBS01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0722WBS01

Manual Integrations
 APPROVED

MMDadoda
 7/27/2021 3:38:55 PM

Quant Time: Jul 24 07:12:40 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N071421W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Jul 14 01:19:19 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.659	128	63947	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.968	114	377321	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.746	117	354592	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.440	65	164919	31.923	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 106.400%			
60) 4-Bromofluorobenzene	12.733	95	167514	29.089	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 96.967%			
63) Toluene-d8	10.443	98	495043	30.353	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 101.167%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.073	85	65613	20.077	ug/l	99
3) Chloromethane	2.303	50	83952	20.567	ug/l	98
4) Vinyl Chloride	2.445	62	136033	21.423	ug/l	99
5) Bromomethane	2.861	94	117136	22.154	ug/l	95
6) Chloroethane	3.022	64	107510	22.735	ug/l	99
7) Trichlorofluoromethane	3.373	101	269616	22.883	ug/l	98
8) Diethyl Ether	3.824	74	46431	21.184	ug/l	94
9) 1,1,2-Trichlorotrifluo...	4.202	101	77009	22.993	ug/l	58
10) 1,1-Dichloroethene	4.178	96	66816	21.540	ug/l	97
11) Methyl Iodide	4.417	142	81135	19.784	ug/l	96
12) Methyl Acetate	4.859	43	92665	21.886	ug/l	100
13) Acrolein	4.044	56	46533	104.925	ug/l #	42
14) Acrylonitrile	5.556	53	194898	104.686	ug/l	99
15) Acetone	4.293	58	47958m	103.917	ug/l	
16) Carbon Disulfide	4.524	76	165891	20.252	ug/l	99
17) Allyl chloride	4.835	41	111478	20.423	ug/l	97
18) Methylene Chloride	5.095	84	86814	20.223	ug/l	95
19) trans-1,2-Dichloroethene	5.594	96	76558	20.698	ug/l	99
20) Diisopropyl ether	6.498	45	264860	20.493	ug/l	100
21) 1,1-Dichloroethane	6.385	63	151897	21.364	ug/l	99
22) cis-1,2-Dichloroethene	7.327	96	94475	20.700	ug/l	96
23) tert-Butyl Alcohol	5.390	59	68023	99.123	ug/l #	100
24) Methyl tert-Butyl Ether	5.621	73	263889	20.604	ug/l	99
25) Chloroform	7.820	83	168460	21.293	ug/l	99
26) Cyclohexane	8.096	56	126801	20.468	ug/l #	100
29) 1,1-Dichloropropene	8.222	75	120506	20.355	ug/l	99
30) 2-Butanone	7.340	43	265336	96.784	ug/l	99
31) 2,2-Dichloropropane	7.327	77	122317	18.520	ug/l	99
32) 1,1,1-Trichloroethane	8.013	97	147313	20.263	ug/l	99
33) Carbon Tetrachloride	8.206	117	124573	20.068	ug/l	98
34) Benzene	8.461	78	358633	20.266	ug/l	99
35) Methacrylonitrile	7.640	41	53055	18.826	ug/l	98
36) 1,2-Dichloroethane	8.531	62	136077	20.656	ug/l	98
37) Trichloroethene	9.217	130	92364	20.091	ug/l	96
38) Methylcyclohexane	9.461	83	129575	19.761	ug/l	98
39) 1,2-Dichloropropane	9.491	63	92172	20.425	ug/l	97
40) Dibromomethane	9.577	93	65262	20.111	ug/l	98
41) Bromodichloromethane	9.764	83	130285	20.452	ug/l	98
42) Vinyl Acetate	6.436	43	1095967m	100.487	ug/l	

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.418	43	110032	19.853	ug/l	99
44) Isopropyl Acetate	8.563	43	194437	19.321	ug/l	98
45) 1,4-Dioxane	9.571	88	28099	368.714	ug/l	97
46) Methyl methacrylate	9.563	41	83105	19.129	ug/l	97
47) n-amyl Acetate	12.390	43	151196	18.303	ug/l	96
48) t-1,3-Dichloropropene	10.719	75	128498	18.718	ug/l	97
49) cis-1,3-Dichloropropene	10.191	75	139600	19.158	ug/l	98
50) 1,1,2-Trichloroethane	10.899	97	91582	19.776	ug/l	95
51) Ethyl methacrylate	10.765	69	134791	18.717	ug/l	100
52) 1,3-Dichloropropane	11.046	76	150031	19.593	ug/l	100
53) Dibromochloromethane	11.240	129	90872	18.745	ug/l	100
54) 1,2-Dibromoethane	11.347	107	92550	19.374	ug/l	100
55) 2-Chloroethyl vinyl ether	10.043	63	118841	85.322	ug/l	98
56) Bromoform	12.460	173	56430	16.615	ug/l #	100
58) 4-Methyl-2-Pentanone	10.333	43	608244	99.897	ug/l	99
59) 2-Hexanone	11.087	43	414841	97.174	ug/l	99
61) Tetrachloroethene	10.979	164	93764	21.526	ug/l	96
62) Toluene	10.507	91	414867	19.891	ug/l	99
64) Chlorobenzene	11.773	112	244706	19.590	ug/l	97
65) 1,1,1,2-Tetrachloroethane	11.843	131	90385	19.640	ug/l	99
66) Ethyl Benzene	11.846	91	451717	19.572	ug/l	100
67) m/p-Xylenes	11.956	106	344574	39.143	ug/l	99
68) o-Xylene	12.283	106	165973	19.100	ug/l	100
69) Styrene	12.296	104	273082	19.004	ug/l	100
70) Isopropylbenzene	12.581	105	434652	19.382	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.830	83	127050	19.955	ug/l	98
72) 1,2,3-Trichloropropane	12.884	75	104104m	19.668	ug/l	
73) Bromobenzene	12.862	156	94768	18.386	ug/l	98
74) n-propylbenzene	12.924	91	504996	19.653	ug/l	100
75) 2-Chlorotoluene	13.010	91	304451	19.740	ug/l	99
76) 1,3,5-Trimethylbenzene	13.061	105	364407	19.738	ug/l	99
77) t-1,4-Dichloro-2-butene	12.626	75	31701	17.747	ug/l	94
78) 4-Chlorotoluene	13.106	91	298559	19.417	ug/l	99
79) tert-butylbenzene	13.326	119	298431	18.826	ug/l	99
80) 1,2,4-Trimethylbenzene	13.369	105	358437m	19.551	ug/l	
81) sec-Butylbenzene	13.503	105	419106	19.059	ug/l	99
82) p-Isopropyltoluene	13.618	119	342104	18.692	ug/l	99
83) 1,3-Dichlorobenzene	13.618	146	181628	18.869	ug/l	100
84) 1,4-Dichlorobenzene	13.696	146	171903	18.334	ug/l	99
85) n-Butylbenzene	13.946	91	285435	18.798	ug/l	99
86) Hexachloroethane	14.214	117	55253	18.147	ug/l	98
87) 1,2-Dichlorobenzene	13.991	146	170844	18.591	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	14.605	75	20817	18.275	ug/l	97
89) 1,2,4-Trichlorobenzene	15.265	180	69246	16.527	ug/l	97
90) Hexachlorobutadiene	15.372	225	37118	18.430	ug/l	94
91) Naphthalene	15.509	128	177638	14.923	ug/l	99
92) 1,2,3-Trichlorobenzene	15.705	180	65213	16.245	ug/l	100

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

