

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072221\
 Data File : VN067859.D
 Acq On : 22 Jul 2021 13:49
 Operator : JC/MD
 Sample : VN0722WBSD01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0722WBSD01

Manual Integrations
 APPROVED

MMDadoda

7/27/2021 3:38:59 PM

Quant Time: Jul 24 07:12:56 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	65929	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.968	114	372447	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.747	117	351643	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.440	65	164353	30.857	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 102.867%			
60) 4-Bromofluorobenzene	12.734	95	164502	28.806	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 96.033%			
63) Toluene-d8	10.443	98	486730	30.094	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 100.300%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.073	85	67734	20.103	ug/l	100
3) Chloromethane	2.303	50	85402	20.293	ug/l	99
4) Vinyl Chloride	2.443	62	132170	20.189	ug/l	100
5) Bromomethane	2.864	94	114727	21.046	ug/l	97
6) Chloroethane	3.022	64	105628	21.666	ug/l	97
7) Trichlorofluoromethane	3.373	101	256310	21.099	ug/l	99
8) Diethyl Ether	3.819	74	47962	21.225	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.208	101	73237	21.209	ug/l	99
10) 1,1-Dichloroethene	4.173	96	66032	20.647	ug/l	98
11) Methyl Iodide	4.417	142	85961	20.330	ug/l	97
12) Methyl Acetate	4.859	43	95693	21.922	ug/l	98
13) Acrolein	4.039	56	47893	104.745	ug/l #	46
14) Acrylonitrile	5.557	53	198189	103.254	ug/l	99
15) Acetone	4.288	58	49577	104.195	ug/l	92
16) Carbon Disulfide	4.527	76	163612	19.373	ug/l	98
17) Allyl chloride	4.838	41	112494	19.990	ug/l	99
18) Methylene Chloride	5.095	84	86744	19.599	ug/l	94
19) trans-1,2-Dichloroethene	5.597	96	74858	19.630	ug/l	97
20) Diisopropyl ether	6.498	45	267075	20.043	ug/l	99
21) 1,1-Dichloroethane	6.391	63	151264	20.635	ug/l	99
22) cis-1,2-Dichloroethene	7.329	96	94670	20.119	ug/l	94
23) tert-Butyl Alcohol	5.385	59	72526	102.508	ug/l #	100
24) Methyl tert-Butyl Ether	5.618	73	269996m	20.447	ug/l	
25) Chloroform	7.820	83	165078	20.238	ug/l	99
26) Cyclohexane	8.094	56	120852	18.921	ug/l #	99
29) 1,1-Dichloropropene	8.222	75	115743	19.806	ug/l	99
30) 2-Butanone	7.340	43	276255	102.086	ug/l #	96
31) 2,2-Dichloropropane	7.327	77	118684	18.205	ug/l	99
32) 1,1,1-Trichloroethane	8.016	97	143574	20.007	ug/l	99
33) Carbon Tetrachloride	8.206	117	121035	19.754	ug/l	96
34) Benzene	8.461	78	353495	20.237	ug/l	99
35) Methacrylonitrile	7.640	41	58225	20.931	ug/l	97
36) 1,2-Dichloroethane	8.531	62	135980	20.912	ug/l #	93
37) Trichloroethene	9.217	130	91178	20.092	ug/l	100
38) Methylcyclohexane	9.459	83	123479	19.078	ug/l	99
39) 1,2-Dichloropropane	9.491	63	90113	20.230	ug/l	98
40) Dibromomethane	9.580	93	67217	20.984	ug/l	99
41) Bromodichloromethane	9.762	83	129253	20.556	ug/l	99
42) Vinyl Acetate	6.436	43	1118115	103.859	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.415	43	112126	20.495	ug/l	99
44) Isopropyl Acetate	8.563	43	200536	20.188	ug/l	99
45) 1,4-Dioxane	9.572	88	29870	397.082	ug/l	98
46) Methyl methacrylate	9.561	41	83994	19.587	ug/l	97
47) n-amyl Acetate	12.390	43	159352	19.542	ug/l	98
48) t-1,3-Dichloropropene	10.722	75	130990	19.331	ug/l	98
49) cis-1,3-Dichloropropene	10.191	75	138365	19.237	ug/l	97
50) 1,1,2-Trichloroethane	10.902	97	93377	20.427	ug/l	97
51) Ethyl methacrylate	10.762	69	139313	19.598	ug/l	99
52) 1,3-Dichloropropane	11.047	76	156503	20.706	ug/l	97
53) Dibromochloromethane	11.240	129	91672	19.158	ug/l	99
54) 1,2-Dibromoethane	11.347	107	93892	19.912	ug/l	99
55) 2-Chloroethyl vinyl ether	10.044	63	126019	91.660	ug/l	99
56) Bromoform	12.460	173	58024	17.307	ug/l #	100
58) 4-Methyl-2-Pentanone	10.333	43	621419	102.917	ug/l	99
59) 2-Hexanone	11.087	43	433940	102.500	ug/l	99
61) Tetrachloroethene	10.982	164	87731	20.310	ug/l	97
62) Toluene	10.508	91	407637	19.709	ug/l	99
64) Chlorobenzene	11.773	112	245636	19.829	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.843	131	90982	19.936	ug/l	98
66) Ethyl Benzene	11.848	91	445906	19.483	ug/l	99
67) m/p-Xylenes	11.956	106	342495	39.233	ug/l	99
68) o-Xylene	12.283	106	166253	19.293	ug/l	99
69) Styrene	12.296	104	275887	19.360	ug/l	100
70) Isopropylbenzene	12.581	105	433253	19.482	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.830	83	132153	20.930	ug/l	100
72) 1,2,3-Trichloropropane	12.884	75	103146m	19.650	ug/l	
73) Bromobenzene	12.862	156	96061	18.794	ug/l	98
74) n-propylbenzene	12.924	91	498358	19.557	ug/l	100
75) 2-Chlorotoluene	13.010	91	299847	19.605	ug/l	97
76) 1,3,5-Trimethylbenzene	13.061	105	357074	19.503	ug/l	100
77) t-1,4-Dichloro-2-butene	12.629	75	30606	17.277	ug/l	96
78) 4-Chlorotoluene	13.106	91	302755	19.855	ug/l	100
79) tert-butylbenzene	13.326	119	300006	19.084	ug/l	98
80) 1,2,4-Trimethylbenzene	13.369	105	354039m	19.473	ug/l	
81) sec-Butylbenzene	13.506	105	417391	19.140	ug/l	100
82) p-Isopropyltoluene	13.619	119	339345	18.696	ug/l	99
83) 1,3-Dichlorobenzene	13.619	146	182067	19.074	ug/l	99
84) 1,4-Dichlorobenzene	13.696	146	177820	19.124	ug/l	98
85) n-Butylbenzene	13.946	91	285443	18.956	ug/l	99
86) Hexachloroethane	14.211	117	54311	17.987	ug/l	100
87) 1,2-Dichlorobenzene	13.991	146	174831	19.184	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	14.606	75	22946	20.313	ug/l	98
89) 1,2,4-Trichlorobenzene	15.265	180	75304	18.123	ug/l	98
90) Hexachlorobutadiene	15.373	225	37324	18.688	ug/l	96
91) Naphthalene	15.509	128	210514	17.833	ug/l	100
92) 1,2,3-Trichlorobenzene	15.705	180	71147	17.872	ug/l	99

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

