

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092721\
 Data File : VN068708.D
 Acq On : 27 Sep 2021 18:54
 Operator : JC/MD
 Sample : VN0927WBSD01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0927WBSD01

Manual Integrations
 APPROVED

MMDadoda
 9/28/2021 7:05:49 PM

Quant Time: Sep 28 05:29:30 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N092721W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Sep 27 14:37:57 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.659	128	64216	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.968	114	357616	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.747	117	493992	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.437	65	158510	26.740	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	89.133%#		
60) 4-Bromofluorobenzene	12.734	95	208728	23.635	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	78.800%		
63) Toluene-d8	10.443	98	717699	31.111	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	103.700%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.073	85	73947	19.821	ug/l	99
3) Chloromethane	2.301	50	92632	19.392	ug/l	97
4) Vinyl Chloride	2.443	62	108978	18.496	ug/l	99
5) Bromomethane	2.856	94	79117	19.401	ug/l	97
6) Chloroethane	3.019	64	79717	18.518	ug/l	96
7) Trichlorofluoromethane	3.373	101	129684	18.758	ug/l	98
8) Diethyl Ether	3.829	74	47582	19.313	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.210	101	71842m	18.821	ug/l	
10) 1,1-Dichloroethene	4.186	96	66804	18.962	ug/l	98
11) Methyl Iodide	4.425	142	81047	17.962	ug/l	98
12) Methyl Acetate	4.854	43	147025	19.624	ug/l	97
13) Acrolein	4.047	56	28567	122.170	ug/l	92
14) Acrylonitrile	5.557	53	215794	95.915	ug/l	99
15) Acetone	4.288	58	62592	101.850	ug/l	93
16) Carbon Disulfide	4.535	76	179055	18.036	ug/l	99
17) Allyl chloride	4.849	41	128338	18.306	ug/l	97
18) Methylene Chloride	5.101	84	84645m	19.607	ug/l	
19) trans-1,2-Dichloroethene	5.602	96	69994	17.891	ug/l	96
20) Diisopropyl ether	6.495	45	281052	18.218	ug/l	99
21) 1,1-Dichloroethane	6.391	63	149326	18.359	ug/l	99
22) cis-1,2-Dichloroethene	7.327	96	87787	18.523	ug/l	99
23) tert-Butyl Alcohol	5.366	59	75502	101.587	ug/l #	100
24) Methyl tert-Butyl Ether	5.613	73	258547m	18.731	ug/l	
25) Chloroform	7.817	83	157417	17.972	ug/l	97
26) Cyclohexane	8.096	56	126229	17.078	ug/l #	99
29) 1,1-Dichloropropene	8.220	75	121387	17.640	ug/l	100
30) 2-Butanone	7.335	43	319507	96.931	ug/l	100
31) 2,2-Dichloropropane	7.327	77	126252	18.047	ug/l	99
32) 1,1,1-Trichloroethane	8.016	97	136054	17.299	ug/l	98
33) Carbon Tetrachloride	8.206	117	144601	19.557	ug/l	99
34) Benzene	8.461	78	344058	18.497	ug/l	98
35) Methacrylonitrile	7.632	41	56240	16.784	ug/l	98
36) 1,2-Dichloroethane	8.531	62	136747	18.878	ug/l	100
37) Trichloroethene	9.217	130	86275	18.670	ug/l	99
38) Methylcyclohexane	9.461	83	132260	15.570	ug/l	100
39) 1,2-Dichloropropane	9.491	63	96408	17.914	ug/l	96
40) Dibromomethane	9.577	93	65964	17.873	ug/l	98
41) Bromodichloromethane	9.762	83	153298	20.704	ug/l	98
42) Vinyl Acetate	6.434	43	1113892m	92.441	ug/l	

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.412	43	121789	19.046	ug/l	96
44) Isopropyl Acetate	8.560	43	227754	19.183	ug/l	98
45) 1,4-Dioxane	9.569	88	32108	373.159	ug/l	97
46) Methyl methacrylate	9.558	41	104102	16.890	ug/l	95
47) n-amyl Acetate	12.390	43	236446	21.812	ug/l	99
48) t-1,3-Dichloropropene	10.719	75	213148	26.721	ug/l	98
49) cis-1,3-Dichloropropene	10.191	75	226209	27.559	ug/l	99
50) 1,1,2-Trichloroethane	10.899	97	135051	27.337	ug/l	98
51) Ethyl methacrylate	10.762	69	220507	28.363	ug/l	97
52) 1,3-Dichloropropane	11.047	76	237566	29.588	ug/l	100
53) Dibromochloromethane	11.240	129	144794	25.012	ug/l	99
54) 1,2-Dibromoethane	11.347	107	136952	26.768	ug/l	98
55) 2-Chloroethyl vinyl ether	10.041	63	206972	92.646	ug/l	100
56) Bromoform	12.460	173	87588	21.243	ug/l #	98
58) 4-Methyl-2-Pentanone	10.330	43	1145090	106.549	ug/l	100
59) 2-Hexanone	11.087	43	814468	101.113	ug/l	99
61) Tetrachloroethene	10.980	164	118564	19.449	ug/l	98
62) Toluene	10.507	91	600233	19.024	ug/l	99
64) Chlorobenzene	11.773	112	346244	19.038	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.843	131	133329	17.703	ug/l	98
66) Ethyl Benzene	11.846	91	626129	17.347	ug/l	98
67) m/p-Xylenes	11.956	106	466116	33.804	ug/l	96
68) o-Xylene	12.283	106	216736	15.174	ug/l	96
69) Styrene	12.296	104	346131	14.364	ug/l	98
70) Isopropylbenzene	12.581	105	548583	14.844	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.830	83	167101	15.821	ug/l	99
72) 1,2,3-Trichloropropane	12.881	75	143231m	14.213	ug/l	
73) Bromobenzene	12.862	156	116232	14.085	ug/l	92
74) n-propylbenzene	12.921	91	602342	14.197	ug/l	98
75) 2-Chlorotoluene	13.007	91	354686	14.541	ug/l	97
76) 1,3,5-Trimethylbenzene	13.061	105	415663	14.371	ug/l	100
77) t-1,4-Dichloro-2-butene	12.626	75	51886	14.403	ug/l	96
78) 4-Chlorotoluene	13.106	91	329461	13.917	ug/l	96
79) tert-butylbenzene	13.326	119	290302	11.902	ug/l	97
80) 1,2,4-Trimethylbenzene	13.369	105	326932m	12.400	ug/l	
81) sec-Butylbenzene	13.503	105	397791	12.327	ug/l	100
82) p-Isopropyltoluene	13.619	119	322504	11.142	ug/l	98
83) 1,3-Dichlorobenzene	13.619	146	159033	11.474	ug/l	99
84) 1,4-Dichlorobenzene	13.696	146	151348	11.872	ug/l	100
85) n-Butylbenzene	13.946	91	260989	11.319	ug/l	99
86) Hexachloroethane	14.211	117	61585	11.129	ug/l	97
87) 1,2-Dichlorobenzene	13.989	146	153752	12.292	ug/l	98
88) 1,2-Dibromo-3-Chloropr...	14.606	75	24639	12.345	ug/l	92
89) 1,2,4-Trichlorobenzene	15.271	180	85273	13.593	ug/l	99
90) Hexachlorobutadiene	15.373	225	43201	12.464	ug/l	99
91) Naphthalene	15.509	128	208358	12.769	ug/l	99
92) 1,2,3-Trichlorobenzene	15.702	180	95134	15.930	ug/l	98

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

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