

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100521\
 Data File : VN068808.D
 Acq On : 5 Oct 2021 17:18
 Operator : JC/MD
 Sample : VN1005WBS01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1005WBS01

Manual Integrations
 APPROVED

MMDadoda
 10/6/2021 7:02:46 PM

Quant Time: Oct 06 01:35:00 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N092821W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Sep 29 08:56:32 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.659	128	82145	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.971	114	453523	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.747	117	428393	30.00	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.440	65	201552	31.83	ug/l	0.00
Spiked Amount 30.000	Range	91 - 110	Recovery	=	106.10%	
60) 4-Bromofluorobenzene	12.733	95	190079	28.40	ug/l	0.00
Spiked Amount 30.000	Range	63 - 112	Recovery	=	94.67%	
63) Toluene-d8	10.443	98	604882	31.24	ug/l	0.00
Spiked Amount 30.000	Range	91 - 112	Recovery	=	104.13%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.073	85	69390	19.05	ug/l	99
3) Chloromethane	2.303	50	97928	21.01	ug/l	98
4) Vinyl Chloride	2.445	62	188507	20.74	ug/l	100
5) Bromomethane	2.856	94	182973	20.74	ug/l	97
6) Chloroethane	3.017	64	162308	21.97	ug/l	99
7) Trichlorofluoromethane	3.373	101	158331	20.88	ug/l	98
8) Diethyl Ether	3.832	74	52766	20.32	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.213	101	85752	19.54	ug/l #	69
10) 1,1-Dichloroethene	4.186	96	81880	20.21	ug/l	99
11) Methyl Iodide	4.425	142	106846	21.87	ug/l	98
12) Methyl Acetate	4.857	43	143574	20.52	ug/l	97
13) Acrolein	4.047	56	19465	66.28	ug/l #	58
14) Acrylonitrile	5.554	53	224358	99.86	ug/l	99
15) Acetone	4.288	58	57220	91.94	ug/l	98
16) Carbon Disulfide	4.535	76	206417	18.82	ug/l	97
17) Allyl chloride	4.846	41	126104	19.59	ug/l	99
18) Methylene Chloride	5.103	84	105731	20.78	ug/l	98
19) trans-1,2-Dichloroethene	5.605	96	95955	20.04	ug/l	96
20) Diisopropyl ether	6.498	45	307292	20.53	ug/l #	99
21) 1,1-Dichloroethane	6.388	63	183396	21.11	ug/l	99
22) cis-1,2-Dichloroethene	7.327	96	113239	19.44	ug/l	98
23) tert-Butyl Alcohol	5.366	59	85500	102.57	ug/l #	100
24) Methyl tert-Butyl Ether	5.616	73	325593	20.46	ug/l	99
25) Chloroform	7.820	83	211590	20.66	ug/l	97
26) Cyclohexane	8.099	56	143956	19.04	ug/l #	96
29) 1,1-Dichloropropene	8.225	75	141442	19.63	ug/l	100
30) 2-Butanone	7.335	43	320992	99.16	ug/l	100
31) 2,2-Dichloropropane	7.329	77	159930	19.31	ug/l	99
32) 1,1,1-Trichloroethane	8.016	97	192750	20.87	ug/l	98
33) Carbon Tetrachloride	8.206	117	164473	20.03	ug/l	99
34) Benzene	8.461	78	441718	20.66	ug/l	99
35) Methacrylonitrile	7.638	41	64266	19.81	ug/l	96
36) 1,2-Dichloroethane	8.531	62	167407	20.93	ug/l	100
37) Trichloroethene	9.220	130	112307	19.87	ug/l	97
38) Methylcyclohexane	9.461	83	159046	17.83	ug/l	99
39) 1,2-Dichloropropane	9.491	63	110526	20.87	ug/l	97
40) Dibromomethane	9.579	93	86104	20.60	ug/l	98
41) Bromodichloromethane	9.765	83	171398	20.92	ug/l	97
42) Vinyl Acetate	6.436	43	1200722m	100.17	ug/l	

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.412	43	132869	20.53	ug/l	98
44) Isopropyl Acetate	8.560	43	239882	20.47	ug/l	100
45) 1,4-Dioxane	9.569	88	44294	466.78	ug/l	95
46) Methyl methacrylate	9.561	41	99987	19.29	ug/l	97
47) n-amyl Acetate	12.390	43	183067	18.44	ug/l	97
48) t-1,3-Dichloropropene	10.719	75	171332	19.24	ug/l	98
49) cis-1,3-Dichloropropene	10.194	75	178851	19.64	ug/l	100
50) 1,1,2-Trichloroethane	10.899	97	119922	20.70	ug/l	98
51) Ethyl methacrylate	10.762	69	165445	18.96	ug/l	99
52) 1,3-Dichloropropane	11.047	76	191931	20.47	ug/l	100
53) Dibromochloromethane	11.240	129	127816	19.42	ug/l	100
54) 1,2-Dibromoethane	11.347	107	123901	20.39	ug/l	99
55) 2-Chloroethyl vinyl ether	10.043	63	180179	73.96	ug/l	99
56) Bromoform	12.460	173	89118	18.78	ug/l #	99
58) 4-Methyl-2-Pentanone	10.330	43	747287	103.35	ug/l	99
59) 2-Hexanone	11.087	43	528479	100.34	ug/l	98
61) Tetrachloroethene	10.982	164	101298	20.18	ug/l	92
62) Toluene	10.507	91	520311	20.31	ug/l	99
64) Chlorobenzene	11.771	112	314599	20.02	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.843	131	123413	20.24	ug/l	98
66) Ethyl Benzene	11.846	91	564121	19.55	ug/l	98
67) m/p-Xylenes	11.956	106	435629	39.09	ug/l	99
68) o-Xylene	12.283	106	214984	19.60	ug/l	99
69) Styrene	12.296	104	348517	19.25	ug/l	99
70) Isopropylbenzene	12.581	105	562759	19.34	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.830	83	170435	20.79	ug/l	99
72) 1,2,3-Trichloropropane	12.881	75	127778m	19.24	ug/l	
73) Bromobenzene	12.862	156	126640	19.23	ug/l	99
74) n-propylbenzene	12.921	91	635191	19.04	ug/l	100
75) 2-Chlorotoluene	13.010	91	376340	19.33	ug/l	100
76) 1,3,5-Trimethylbenzene	13.061	105	466805	19.43	ug/l	99
77) t-1,4-Dichloro-2-butene	12.626	75	46374	17.90	ug/l	97
78) 4-Chlorotoluene	13.106	91	369514	19.16	ug/l	98
79) tert-butylbenzene	13.326	119	405445	19.33	ug/l	100
80) 1,2,4-Trimethylbenzene	13.369	105	464426m	19.50	ug/l	
81) sec-Butylbenzene	13.503	105	570606	18.98	ug/l	99
82) p-Isopropyltoluene	13.619	119	449462	18.05	ug/l	99
83) 1,3-Dichlorobenzene	13.619	146	229039	18.75	ug/l	99
84) 1,4-Dichlorobenzene	13.696	146	217999	18.76	ug/l	99
85) n-Butylbenzene	13.946	91	366418	17.89	ug/l	98
86) Hexachloroethane	14.214	117	87256	18.62	ug/l	97
87) 1,2-Dichlorobenzene	13.989	146	223687	19.80	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	14.605	75	31427	21.44	ug/l	98
89) 1,2,4-Trichlorobenzene	15.265	180	94494	17.03	ug/l	99
90) Hexachlorobutadiene	15.373	225	55409	20.03	ug/l	99
91) Naphthalene	15.509	128	266461	17.01	ug/l	99
92) 1,2,3-Trichlorobenzene	15.705	180	96948	18.22	ug/l	100

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

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