

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032421\
 Data File : VN066316.D
 Acq On : 24 Mar 2021 18:58
 Operator : JC/MD
 Sample : VN0324WBS01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0324WBS01

Manual Integrations
 APPROVED

MMDadoda
 3/30/2021 10:41:33 AM

Quant Time: Mar 25 06:00:29 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N032421W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Mar 25 05:52:50 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.102	128	83152	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.512	114	444339	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.347	117	396186	30.00	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	7.947	65	186133	29.12	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	97.07%		
60) 4-Bromofluorobenzene	12.345	95	186350	30.14	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	100.47%		
63) Toluene-d8	10.025	98	556549	29.93	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	99.77%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.816	85	87876	18.90	ug/l	99
3) Chloromethane	2.014	50	111407	19.05	ug/l	99
4) Vinyl Chloride	2.145	62	116982	19.04	ug/l	98
5) Bromomethane	2.507	94	84172	19.36	ug/l	95
6) Chloroethane	2.647	64	75718	19.24	ug/l	98
7) Trichlorofluoromethane	2.958	101	171791	19.38	ug/l	100
8) Diethyl Ether	3.339	74	58856	19.66	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.682	101	82589	19.04	ug/l	99
10) 1,1-Dichloroethene	3.661	96	81536	18.99	ug/l	93
11) Methyl Iodide	3.870	142	116436	18.85	ug/l	99
12) Methyl Acetate	4.229	43	132842	19.93	ug/l	99
13) Acrolein	3.527	56	38035	93.21	ug/l	97
14) Acrylonitrile	4.876	53	269567	98.05	ug/l	99
15) Acetone	3.733	58	69966	87.40	ug/l	95
16) Carbon Disulfide	3.969	76	223135	18.76	ug/l	100
17) Allyl chloride	4.232	41	142035	18.31	ug/l	97
18) Methylene Chloride	4.455	84	97389	18.98	ug/l	98
19) trans-1,2-Dichloroethene	4.935	96	88694	18.78	ug/l	96
20) Diisopropyl ether	5.847	45	324999	19.09	ug/l	95
21) 1,1-Dichloroethane	5.742	63	176254	19.12	ug/l	99
22) cis-1,2-Dichloroethene	6.726	96	105784	18.71	ug/l	98
23) tert-Butyl Alcohol	4.677	59	115508	102.34	ug/l #	100
24) Methyl tert-Butyl Ether	4.935	73	312332	19.07	ug/l	100
25) Chloroform	7.281	83	176537	18.96	ug/l	94
26) Cyclohexane	7.571	56	154850	18.94	ug/l #	99
29) 1,1-Dichloropropene	7.710	75	127730	19.22	ug/l	99
30) 2-Butanone	6.729	43	373155	95.81	ug/l	98
31) 2,2-Dichloropropane	6.724	77	152181	18.49	ug/l	99
32) 1,1,1-Trichloroethane	7.485	97	156687	19.45	ug/l	99
33) Carbon Tetrachloride	7.689	117	133017	19.56	ug/l	97
34) Benzene	7.960	78	397421	19.62	ug/l	99
35) Methacrylonitrile	7.078	41	65008	19.73	ug/l	97
36) 1,2-Dichloroethane	8.046	62	144143	19.43	ug/l	99
37) Trichloroethene	8.765	130	103821	19.66	ug/l	98
38) Methylcyclohexane	9.011	83	158169	19.24	ug/l	99
39) 1,2-Dichloropropane	9.049	63	107752	19.66	ug/l	100
40) Dibromomethane	9.140	93	70447	19.99	ug/l	100
41) Bromodichloromethane	9.336	83	145663	19.53	ug/l	99
42) Vinyl Acetate	5.788	43	1423829	97.00	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	6.828	43	152537	20.34	ug/l #	100
44) Isopropyl Acetate	8.086	43	261454	19.52	ug/l #	100
45) 1,4-Dioxane	9.132	88	36691	429.42	ug/l	99
46) Methyl methacrylate	9.132	41	122280	19.55	ug/l	96
47) n-amyl Acetate	12.020	43	111170	18.03	ug/l	98
48) t-1,3-Dichloropropene	10.320	75	160068	19.75	ug/l	98
49) cis-1,3-Dichloropropene	9.773	75	170971	19.63	ug/l	99
50) 1,1,2-Trichloroethane	10.500	97	100001	19.83	ug/l	98
51) Ethyl methacrylate	10.368	69	155346	19.68	ug/l	98
52) 1,3-Dichloropropane	10.645	76	165762	19.71	ug/l	99
53) Dibromochloromethane	10.840	129	112852	19.91	ug/l	99
54) 1,2-Dibromoethane	10.945	107	103793	19.99	ug/l	99
55) 2-Chloroethyl vinyl ether	9.631	63	111806	95.25	ug/l	99
56) Bromoform	12.071	173	82521	19.85	ug/l #	99
58) 4-Methyl-2-Pentanone	9.918	43	789916	99.51	ug/l	99
59) 2-Hexanone	10.690	43	543535	99.51	ug/l	100
61) Tetrachloroethene	10.569	164	106739	19.57	ug/l	98
62) Toluene	10.092	91	430943	19.65	ug/l	100
64) Chlorobenzene	11.374	112	253787	19.69	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.449	131	98973	19.58	ug/l	98
66) Ethyl Benzene	11.452	91	469929	19.89	ug/l	99
67) m/p-Xylenes	11.562	106	349203	39.77	ug/l	99
68) o-Xylene	11.889	106	173778	20.05	ug/l	98
69) Styrene	11.908	104	274485	19.77	ug/l	99
70) Isopropylbenzene	12.192	105	454321	19.92	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.447	83	149889	20.52	ug/l	97
72) 1,2,3-Trichloropropane	12.495	75	138912m	19.70	ug/l	
73) Bromobenzene	12.468	156	110371	19.64	ug/l	97
74) n-propylbenzene	12.535	91	508392	20.17	ug/l	99
75) 2-Chlorotoluene	12.616	91	304967	19.98	ug/l	99
76) 1,3,5-Trimethylbenzene	12.677	105	378743	20.18	ug/l	99
77) t-1,4-Dichloro-2-butene	12.246	75	44134	19.30	ug/l	95
78) 4-Chlorotoluene	12.718	91	300499	20.07	ug/l	100
79) tert-butylbenzene	12.935	119	321967	19.74	ug/l	100
80) 1,2,4-Trimethylbenzene	12.983	105	367136	20.17	ug/l	100
81) sec-Butylbenzene	13.115	105	424403	20.38	ug/l	100
82) p-Isopropyltoluene	13.233	119	368643	20.10	ug/l	100
83) 1,3-Dichlorobenzene	13.227	146	184963	20.07	ug/l	99
84) 1,4-Dichlorobenzene	13.308	146	182881	20.38	ug/l	97
85) n-Butylbenzene	13.560	91	297110	19.85	ug/l	99
86) Hexachloroethane	13.815	117	69316	20.46	ug/l	97
87) 1,2-Dichlorobenzene	13.597	146	183714	20.15	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	14.214	75	31025	20.82	ug/l	98
89) 1,2,4-Trichlorobenzene	14.850	180	115801	19.90	ug/l	99
90) Hexachlorobutadiene	14.946	225	61876	19.62	ug/l	99
91) Naphthalene	15.070	128	347463	19.61	ug/l	100
92) 1,2,3-Trichlorobenzene	15.247	180	113615	19.94	ug/l	99

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

