

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011421\
 Data File : VN065504.D
 Acq On : 14 Jan 2021 12:54
 Operator : JC/MD
 Sample : VN0114WBSD01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0114WBSD01

Manual Integrations
 APPROVED

MMDadoda
 1/15/2021 1:24:23 PM

Quant Time: Jan 14 13:12:04 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N011321W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Jan 14 04:12:08 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.155	128	41705	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.550	114	214941	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.380	117	202176	30.00	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	7.991	65	78702	30.21	ug/l	0.00
Spiked Amount 30.000	Range	91 - 110	Recovery	=	100.70%	
60) 4-Bromofluorobenzene	12.376	95	89911	29.36	ug/l	0.00
Spiked Amount 30.000	Range	63 - 112	Recovery	=	97.87%	
63) Toluene-d8	10.058	98	265942	30.05	ug/l	0.00
Spiked Amount 30.000	Range	91 - 112	Recovery	=	100.17%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.849	85	36796	17.73	ug/l	93
3) Chloromethane	2.055	50	45704	17.79	ug/l	98
4) Vinyl Chloride	2.181	62	49396	17.46	ug/l	99
5) Bromomethane	2.550	94	37933	18.79	ug/l	94
6) Chloroethane	2.689	64	32851	17.85	ug/l	96
7) Trichlorofluoromethane	3.001	101	68686	18.22	ug/l	99
8) Diethyl Ether	3.386	74	28563	18.62	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.724	101	41296	18.44	ug/l	98
10) 1,1-Dichloroethene	3.701	96	41706	18.18	ug/l	99
11) Methyl Iodide	3.914	142	64489	17.82	ug/l	99
12) Methyl Acetate	4.293	43	42154	18.76	ug/l	97
13) Acrolein	3.579	56	38219	100.64	ug/l	99
14) Acrylonitrile	4.946	53	96012	94.34	ug/l	99
15) Acetone	3.792	58	32631	104.56	ug/l	91
16) Carbon Disulfide	4.010	76	97699	17.52	ug/l	99
17) Allyl chloride	4.280	41	57861	17.80	ug/l	98
18) Methylene Chloride	4.509	84	45413	18.25	ug/l	99
19) trans-1,2-Dichloroethene	4.994	96	41556	18.00	ug/l	97
20) Diisopropyl ether	5.917	45	124868	18.33	ug/l	99
21) 1,1-Dichloroethane	5.801	63	73084	17.96	ug/l	99
22) cis-1,2-Dichloroethene	6.788	96	48552	18.16	ug/l	98
23) tert-Butyl Alcohol	4.775	59	30046	95.53	ug/l #	100
24) Methyl tert-Butyl Ether	5.010	73	124296	18.48	ug/l	99
25) Chloroform	7.332	83	75559	18.00	ug/l	99
26) Cyclohexane	7.615	56	60020	17.57	ug/l #	99
29) 1,1-Dichloropropene	7.753	75	55595	18.20	ug/l	99
30) 2-Butanone	6.801	43	119689	97.16	ug/l	99
31) 2,2-Dichloropropane	6.782	77	59327	18.80	ug/l	100
32) 1,1,1-Trichloroethane	7.531	97	62381	18.06	ug/l	99
33) Carbon Tetrachloride	7.734	117	54567	17.95	ug/l	98
34) Benzene	8.004	78	172938	18.40	ug/l	97
35) Methacrylonitrile	7.142	41	23071m	18.04	ug/l	
36) 1,2-Dichloroethane	8.087	62	59415	19.16	ug/l	99
37) Trichloroethene	8.801	130	52172	18.64	ug/l	99
38) Methylcyclohexane	9.045	83	65212	18.40	ug/l	99
39) 1,2-Dichloropropane	9.084	63	45186	18.52	ug/l	97
40) Dibromomethane	9.174	93	30976	18.95	ug/l	99
41) Bromodichloromethane	9.370	83	57553	18.18	ug/l	99
42) Vinyl Acetate	5.856	43	502907	94.16	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	6.894	43	51259	19.47	ug/l	94
44) Isopropyl Acetate	8.132	43	82741	18.82	ug/l	98
45) 1,4-Dioxane	9.171	88	12751	407.87	ug/l	97
46) Methyl methacrylate	9.168	41	40081	18.47	ug/l	97
47) n-amyl Acetate	12.045	43	66350	17.45	ug/l	100
48) t-1,3-Dichloropropene	10.351	75	62976	17.93	ug/l	98
49) cis-1,3-Dichloropropene	9.807	75	70492	18.26	ug/l	98
50) 1,1,2-Trichloroethane	10.534	97	45163	18.88	ug/l	99
51) Ethyl methacrylate	10.402	69	60886	18.17	ug/l	97
52) 1,3-Dichloropropane	10.679	76	74358	18.75	ug/l	98
53) Dibromochloromethane	10.872	129	47985	18.12	ug/l	100
54) 1,2-Dibromoethane	10.978	107	47121	18.41	ug/l	99
55) 2-Chloroethyl vinyl ether	9.663	63	134292	91.51	ug/l	100
56) Bromoform	12.100	173	36054	17.48	ug/l	98
58) 4-Methyl-2-Pentanone	9.955	43	248081	92.45	ug/l	99
59) 2-Hexanone	10.724	43	177447	91.40	ug/l	98
61) Tetrachloroethene	10.602	164	60891	18.85	ug/l	100
62) Toluene	10.122	91	193648	18.35	ug/l	99
64) Chlorobenzene	11.405	112	124921	18.20	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.479	131	46459	18.01	ug/l	98
66) Ethyl Benzene	11.483	91	206869	17.93	ug/l	100
67) m/p-Xylenes	11.592	106	163270	36.17	ug/l	98
68) o-Xylene	11.920	106	78844	18.07	ug/l	99
69) Styrene	11.936	104	129664	17.80	ug/l	100
70) Isopropylbenzene	12.222	105	207309	18.18	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.479	83	58251	17.96	ug/l	99
72) 1,2,3-Trichloropropane	12.528	75	59228m	19.25	ug/l	
73) Bromobenzene	12.499	156	59480	18.23	ug/l	99
74) n-propylbenzene	12.563	91	229539	17.97	ug/l	100
75) 2-Chlorotoluene	12.646	91	138220	17.92	ug/l	100
76) 1,3,5-Trimethylbenzene	12.708	105	177016	18.12	ug/l	100
77) t-1,4-Dichloro-2-butene	12.277	75	18088	16.72	ug/l	94
78) 4-Chlorotoluene	12.746	91	138916	17.81	ug/l	98
79) tert-butylbenzene	12.968	119	151360	18.03	ug/l	99
80) 1,2,4-Trimethylbenzene	13.013	105	177207	18.23	ug/l	100
81) sec-Butylbenzene	13.145	105	193852	17.86	ug/l	100
82) p-Isopropyltoluene	13.264	119	182094	17.96	ug/l	99
83) 1,3-Dichlorobenzene	13.257	146	96647	17.88	ug/l	99
84) 1,4-Dichlorobenzene	13.338	146	93485	17.72	ug/l	99
85) n-Butylbenzene	13.589	91	142774	17.80	ug/l	99
86) Hexachloroethane	13.846	117	28248	16.92	ug/l	99
87) 1,2-Dichlorobenzene	13.627	146	95772	17.98	ug/l	100
88) 1,2-Dibromo-3-Chloropr...	14.244	75	10627	18.35	ug/l	95
89) 1,2,4-Trichlorobenzene	14.881	180	45547	19.45	ug/l	96
90) Hexachlorobutadiene	14.981	225	35190	18.90	ug/l	99
91) Naphthalene	15.103	128	111840	20.13	ug/l	100
92) 1,2,3-Trichlorobenzene	15.283	180	47393	17.54	ug/l	100

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

