

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021221\
 Data File : VN065836.D
 Acq On : 12 Feb 2021 14:15
 Operator : JC/MD
 Sample : VN0212WBSD01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0212WBSD01

Manual Integrations
 APPROVED

Quant Time: Feb 13 01:01:26 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N020321W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Feb 03 14:50:04 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.148	128	33199	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.547	114	188498	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.376	117	166253	30.00	ug/l	0.00

System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	7.984	65	67745	29.42	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	98.07%
60) 4-Bromofluorobenzene	12.370	95	79874	29.53	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	98.43%
63) Toluene-d8	10.058	98	240957	30.15	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	100.50%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.836	85	37377	18.84	ug/l	96
3) Chloromethane	2.039	50	50847	17.48	ug/l	98
4) Vinyl Chloride	2.164	62	54032	18.78	ug/l	97
5) Bromomethane	2.531	94	34133	19.88	ug/l	96
6) Chloroethane	2.676	64	30604	18.43	ug/l	100
7) Trichlorofluoromethane	2.988	101	56812	19.05	ug/l	98
8) Diethyl Ether	3.377	74	26542	19.41	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.711	101	35341	19.39	ug/l	82
10) 1,1-Dichloroethene	3.692	96	36664	18.88	ug/l	95
11) Methyl Iodide	3.901	142	51930	18.99	ug/l	97
12) Methyl Acetate	4.280	43	41883	17.81	ug/l	99
13) Acrolein	3.566	56	36453	115.46	ug/l	99
14) Acrylonitrile	4.936	53	95230	91.13	ug/l	98
15) Acetone	3.779	58	25762	80.58	ug/l	91
16) Carbon Disulfide	4.000	76	105425	17.31	ug/l	99
17) Allyl chloride	4.267	41	63434	17.22	ug/l	95
18) Methylene Chloride	4.495	84	44512	19.45	ug/l	97
19) trans-1,2-Dichloroethene	4.981	96	39226	18.48	ug/l	93
20) Diisopropyl ether	5.907	45	131089	17.64	ug/l	95
21) 1,1-Dichloroethane	5.794	63	73971	18.04	ug/l	99
22) cis-1,2-Dichloroethene	6.778	96	45946	18.84	ug/l	98
23) tert-Butyl Alcohol	4.762	59	33928	90.75	ug/l #	100
24) Methyl tert-Butyl Ether	5.000	73	122477	18.88	ug/l	96
25) Chloroform	7.328	83	69759	18.75	ug/l	98
26) Cyclohexane	7.605	56	66743	17.39	ug/l #	92
29) 1,1-Dichloropropene	7.746	75	56537	18.58	ug/l	97
30) 2-Butanone	6.794	43	114646	84.14	ug/l	99
31) 2,2-Dichloropropane	6.775	77	54532	17.12	ug/l	99
32) 1,1,1-Trichloroethane	7.524	97	55268	18.31	ug/l	99
33) Carbon Tetrachloride	7.730	117	45115	18.09	ug/l	98
34) Benzene	7.997	78	173359	18.44	ug/l	99
35) Methacrylonitrile	7.129	41	24145	16.86	ug/l	95
36) 1,2-Dichloroethane	8.084	62	52616	18.63	ug/l	98
37) Trichloroethene	8.798	130	42426	18.69	ug/l	89
38) Methylcyclohexane	9.042	83	62050	17.19	ug/l	97
39) 1,2-Dichloropropane	9.081	63	47071	18.43	ug/l	99
40) Dibromomethane	9.174	93	27091	18.71	ug/l	84
41) Bromodichloromethane	9.367	83	51798	17.66	ug/l	98
42) Vinyl Acetate	5.846	43	506236	84.82	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	6.888	43	51903	18.60	ug/l	93
44) Isopropyl Acetate	8.129	43	80860	16.76	ug/l	94
45) 1,4-Dioxane	9.167	88	15434	385.60	ug/l	91
46) Methyl methacrylate	9.167	41	38444	16.62	ug/l	95
47) n-amyl Acetate	12.042	43	65171	16.14	ug/l	97
48) t-1,3-Dichloropropene	10.351	75	59471	17.16	ug/l	93
49) cis-1,3-Dichloropropene	9.804	75	69824	17.79	ug/l	95
50) 1,1,2-Trichloroethane	10.531	97	41826	19.74	ug/l	98
51) Ethyl methacrylate	10.399	69	62627	18.35	ug/l	90
52) 1,3-Dichloropropane	10.675	76	72202	19.03	ug/l	98
53) Dibromochloromethane	10.871	129	38337	17.85	ug/l	100
54) 1,2-Dibromoethane	10.974	107	41428	19.51	ug/l	98
55) 2-Chloroethyl vinyl ether	9.659	63	134328	88.60	ug/l	97
56) Bromoform	12.096	173	23135	17.06	ug/l #	95
58) 4-Methyl-2-Pentanone	9.952	43	247867	89.76	ug/l	97
59) 2-Hexanone	10.720	43	171872	86.95	ug/l	96
61) Tetrachloroethene	10.598	164	40758	18.62	ug/l	92
62) Toluene	10.122	91	186657	19.20	ug/l	99
64) Chlorobenzene	11.402	112	109034	19.01	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.479	131	36476	18.29	ug/l	94
66) Ethyl Benzene	11.479	91	197105	18.94	ug/l	99
67) m/p-Xylenes	11.592	106	147996	38.20	ug/l	99
68) o-Xylene	11.916	106	72737	19.28	ug/l	100
69) Styrene	11.932	104	114560	18.78	ug/l	99
70) Isopropylbenzene	12.219	105	184490	19.04	ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.473	83	54793	19.27	ug/l	97
72) 1,2,3-Trichloropropane	12.524	75	52475m	18.84	ug/l	
73) Bromobenzene	12.495	156	42558	19.49	ug/l	77
74) n-propylbenzene	12.559	91	206088	18.40	ug/l	96
75) 2-Chlorotoluene	12.643	91	126992	18.71	ug/l	92
76) 1,3,5-Trimethylbenzene	12.704	105	152757	18.82	ug/l	97
77) t-1,4-Dichloro-2-butene	12.270	75	16647	15.31	ug/l	92
78) 4-Chlorotoluene	12.743	91	126464	18.73	ug/l	93
79) tert-butylbenzene	12.965	119	125847	18.78	ug/l	98
80) 1,2,4-Trimethylbenzene	13.010	105	151851	18.69	ug/l	99
81) sec-Butylbenzene	13.141	105	163608	18.28	ug/l	96
82) p-Isopropyltoluene	13.260	119	144824	18.17	ug/l	98
83) 1,3-Dichlorobenzene	13.254	146	70501	18.46	ug/l	97
84) 1,4-Dichlorobenzene	13.334	146	67648	18.06	ug/l	97
85) n-Butylbenzene	13.585	91	117146	16.85	ug/l	97
86) Hexachloroethane	13.842	117	22457	16.23	ug/l	71
87) 1,2-Dichlorobenzene	13.624	146	70742	18.53	ug/l	95
88) 1,2-Dibromo-3-Chloropr...	14.238	75	8450	15.42	ug/l	85
89) 1,2,4-Trichlorobenzene	14.878	180	32255	16.20	ug/l	96
90) Hexachlorobutadiene	14.977	225	15466	17.13	ug/l	97
91) Naphthalene	15.100	128	100578	15.78	ug/l	100
92) 1,2,3-Trichlorobenzene	15.276	180	33399	16.72	ug/l	98

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

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