

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN012021\
 Data File : VN065562.D
 Acq On : 20 Jan 2021 11:21
 Operator : JC/MD
 Sample : VN0120WBS01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0120WBS01

Manual Integrations
 APPROVED

Quant Time: Jan 21 01:21:02 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	41212	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.550	114	215655	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.380	117	197373	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	7.987	65	74675	29.00	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	96.67%
60) 4-Bromofluorobenzene	12.373	95	87376	29.23	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	97.43%
63) Toluene-d8	10.058	98	261949	30.32	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	101.07%

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Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.849	85	34068	16.62	ug/l 92
3) Chloromethane	2.055	50	41507	16.35	ug/l 99
4) Vinyl Chloride	2.181	62	46858	16.76	ug/l 99
5) Bromomethane	2.550	94	34697	17.39	ug/l 96
6) Chloroethane	2.692	64	31278	17.20	ug/l 98
7) Trichlorofluoromethane	3.004	101	65865	17.68	ug/l 99
8) Diethyl Ether	3.390	74	27120	17.89	ug/l 94
9) 1,1,2-Trichlorotrifluo...	3.724	101	41763	18.87	ug/l 91
10) 1,1-Dichloroethene	3.705	96	40448	17.84	ug/l 98
11) Methyl Iodide	3.917	142	62471	17.47	ug/l 99
12) Methyl Acetate	4.293	43	39076	17.60	ug/l 92
13) Acrolein	3.579	56	28988	77.25	ug/l 97
14) Acrylonitrile	4.949	53	86980	86.49	ug/l 99
15) Acetone	3.792	58	29482	95.60	ug/l 93
16) Carbon Disulfide	4.013	76	88881	16.13	ug/l 100
17) Allyl chloride	4.280	41	54728	17.04	ug/l 98
18) Methylene Chloride	4.509	84	43504	17.69	ug/l 98
19) trans-1,2-Dichloroethene	4.994	96	39779	17.44	ug/l 97
20) Diisopropyl ether	5.914	45	118769	17.65	ug/l 99
21) 1,1-Dichloroethane	5.804	63	72221	17.96	ug/l 98
22) cis-1,2-Dichloroethene	6.788	96	47283	17.90	ug/l 96
23) tert-Butyl Alcohol	4.772	59	27768	89.35	ug/l # 100
24) Methyl tert-Butyl Ether	5.010	73	116722	17.56	ug/l 97
25) Chloroform	7.332	83	73864	17.81	ug/l 99
26) Cyclohexane	7.611	56	56503	16.74	ug/l # 98
29) 1,1-Dichloropropene	7.753	75	53735	17.53	ug/l 99
30) 2-Butanone	6.798	43	108363	87.67	ug/l 99
31) 2,2-Dichloropropane	6.779	77	58994	18.64	ug/l 99
32) 1,1,1-Trichloroethane	7.531	97	61526	17.75	ug/l 99
33) Carbon Tetrachloride	7.733	117	54171	17.76	ug/l 98
34) Benzene	8.004	78	168107	17.83	ug/l 96
35) Methacrylonitrile	7.132	41	20337	15.85	ug/l 94
36) 1,2-Dichloroethane	8.087	62	55856	17.95	ug/l 97
37) Trichloroethene	8.801	130	51408	18.31	ug/l 98
38) Methylcyclohexane	9.045	83	63363	17.81	ug/l 97
39) 1,2-Dichloropropane	9.084	63	44778	18.29	ug/l 100
40) Dibromomethane	9.174	93	29172	17.79	ug/l 97
41) Bromodichloromethane	9.370	83	57123	17.98	ug/l 98
42) Vinyl Acetate	5.856	43	456867	85.25	ug/l 99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	6.894	43	44200	16.73	ug/l	97
44) Isopropyl Acetate	8.132	43	73773	16.73	ug/l	97
45) 1,4-Dioxane	9.171	88	11965	381.46	ug/l	95
46) Methyl methacrylate	9.167	41	36359	16.70	ug/l	97
47) n-amyl Acetate	12.045	43	60377	15.83	ug/l	97
48) t-1,3-Dichloropropene	10.351	75	61463	17.44	ug/l	96
49) cis-1,3-Dichloropropene	9.807	75	68213	17.61	ug/l	98
50) 1,1,2-Trichloroethane	10.531	97	43694	18.20	ug/l	99
51) Ethyl methacrylate	10.399	69	56843	16.90	ug/l	95
52) 1,3-Dichloropropane	10.679	76	71168	17.89	ug/l	100
53) Dibromochloromethane	10.872	129	47062	17.71	ug/l	99
54) 1,2-Dibromoethane	10.978	107	45107	17.56	ug/l	100
55) 2-Chloroethyl vinyl ether	9.663	63	131883	89.57	ug/l	99
56) Bromoform	12.100	173	35982	17.39	ug/l	99
58) 4-Methyl-2-Pentanone	9.952	43	225874	86.22	ug/l	97
59) 2-Hexanone	10.724	43	160793	84.84	ug/l	97
61) Tetrachloroethene	10.602	164	59402	18.84	ug/l	99
62) Toluene	10.122	91	187239	18.17	ug/l	99
64) Chlorobenzene	11.405	112	122914	18.35	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.479	131	46409	18.43	ug/l	97
66) Ethyl Benzene	11.483	91	201524	17.89	ug/l	98
67) m/p-Xylenes	11.592	106	160938	36.53	ug/l	96
68) o-Xylene	11.920	106	77015	18.08	ug/l	97
69) Styrene	11.936	104	127516	17.93	ug/l	99
70) Isopropylbenzene	12.222	105	203162	18.25	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.476	83	55237	17.45	ug/l	98
72) 1,2,3-Trichloropropane	12.527	75	51299m	17.08	ug/l	
73) Bromobenzene	12.499	156	57821	18.16	ug/l	98
74) n-propylbenzene	12.563	91	228967	18.36	ug/l	100
75) 2-Chlorotoluene	12.646	91	136175	18.09	ug/l	99
76) 1,3,5-Trimethylbenzene	12.708	105	174374	18.28	ug/l	100
77) t-1,4-Dichloro-2-butene	12.273	75	18207	17.24	ug/l	97
78) 4-Chlorotoluene	12.746	91	136708	17.96	ug/l	97
79) tert-butylbenzene	12.968	119	147845	18.04	ug/l	98
80) 1,2,4-Trimethylbenzene	13.013	105	173925	18.33	ug/l	99
81) sec-Butylbenzene	13.145	105	194950	18.40	ug/l	100
82) p-Isopropyltoluene	13.264	119	182549	18.44	ug/l	99
83) 1,3-Dichlorobenzene	13.257	146	96508	18.29	ug/l	99
84) 1,4-Dichlorobenzene	13.338	146	94403	18.33	ug/l	98
85) n-Butylbenzene	13.589	91	142831	18.24	ug/l	99
86) Hexachloroethane	13.849	117	28620	17.56	ug/l	98
87) 1,2-Dichlorobenzene	13.627	146	96289	18.52	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	14.244	75	10074	17.82	ug/l	97
89) 1,2,4-Trichlorobenzene	14.884	180	51931	21.42	ug/l	97
90) Hexachlorobutadiene	14.981	225	34581	19.02	ug/l	97
91) Naphthalene	15.103	128	122892	21.52	ug/l	99
92) 1,2,3-Trichlorobenzene	15.283	180	52576	19.93	ug/l	99

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

