

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN020321\
 Data File : VN065703.D
 Acq On : 3 Feb 2021 16:24
 Operator : JC/MD
 Sample : VN0203WBS01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0203WBS01

Manual Integrations
 APPROVED

MMDadoda
 2/4/2021 10:33:23 AM

Quant Time: Feb 04 04:18:59 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	28653	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.547	114	165032	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.376	117	143643	30.00	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	7.984	65	60265	30.32	ug/l	0.00
Spiked Amount 30.000	Range	91 - 110	Recovery	=	101.07%	
60) 4-Bromofluorobenzene	12.373	95	70200	30.04	ug/l	0.00
Spiked Amount 30.000	Range	63 - 112	Recovery	=	100.13%	
63) Toluene-d8	10.055	98	210404	30.47	ug/l	0.00
Spiked Amount 30.000	Range	91 - 112	Recovery	=	101.57%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.836	85	37896	22.14	ug/l	95
3) Chloromethane	2.036	50	55262	22.01	ug/l	99
4) Vinyl Chloride	2.168	62	55056	22.17	ug/l	98
5) Bromomethane	2.541	94	33612	22.69	ug/l	99
6) Chloroethane	2.679	64	31035	21.66	ug/l	99
7) Trichlorofluoromethane	2.994	101	57071	22.17	ug/l	99
8) Diethyl Ether	3.377	74	25818	21.87	ug/l	92
9) 1,1,2-Trichlorotrifluo...	3.714	101	35422	22.52	ug/l	90
10) 1,1-Dichloroethene	3.698	96	35675	21.29	ug/l	92
11) Methyl Iodide	3.907	142	49654	21.04	ug/l	98
12) Methyl Acetate	4.283	43	41461	20.43	ug/l	100
13) Acrolein	3.570	56	23769	87.23	ug/l	96
14) Acrylonitrile	4.936	53	95522	105.91	ug/l	98
15) Acetone	3.782	58	28848	104.54	ug/l	94
16) Carbon Disulfide	4.004	76	114349	21.76	ug/l	98
17) Allyl chloride	4.274	41	70166	22.07	ug/l	92
18) Methylene Chloride	4.499	84	43865	22.21	ug/l	93
19) trans-1,2-Dichloroethene	4.984	96	40030	21.85	ug/l	89
20) Diisopropyl ether	5.904	45	142902	22.27	ug/l	93
21) 1,1-Dichloroethane	5.791	63	78214	22.10	ug/l	99
22) cis-1,2-Dichloroethene	6.778	96	46886	22.27	ug/l	94
23) tert-Butyl Alcohol	4.759	59	32311	100.14	ug/l #	100
24) Methyl tert-Butyl Ether	4.994	73	122563	21.89	ug/l	100
25) Chloroform	7.325	83	70526	21.96	ug/l	99
26) Cyclohexane	7.608	56	73585	22.22	ug/l #	90
29) 1,1-Dichloropropene	7.749	75	57442	21.56	ug/l	96
30) 2-Butanone	6.791	43	123100	103.19	ug/l	96
31) 2,2-Dichloropropane	6.775	77	60504	21.69	ug/l	98
32) 1,1,1-Trichloroethane	7.524	97	57253	21.66	ug/l	99
33) Carbon Tetrachloride	7.730	117	47188	21.61	ug/l	96
34) Benzene	8.000	78	178709	21.71	ug/l	96
35) Methacrylonitrile	7.122	41	26411	21.07	ug/l	96
36) 1,2-Dichloroethane	8.084	62	53083	21.47	ug/l	99
37) Trichloroethene	8.798	130	43646	21.96	ug/l	89
38) Methylcyclohexane	9.042	83	69073	21.86	ug/l	94
39) 1,2-Dichloropropane	9.081	63	48370	21.63	ug/l	98
40) Dibromomethane	9.171	93	27111	21.39	ug/l	82
41) Bromodichloromethane	9.367	83	55373	21.57	ug/l	99
42) Vinyl Acetate	5.846	43	558570	106.89	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	6.888	43	52248	21.38	ug/l	97
44) Isopropyl Acetate	8.126	43	89042	21.07	ug/l	96
45) 1,4-Dioxane	9.171	88	14770	421.48	ug/l	95
46) Methyl methacrylate	9.164	41	41481	20.49	ug/l	95
47) n-amyl Acetate	12.042	43	70751	20.02	ug/l	96
48) t-1,3-Dichloropropene	10.351	75	64575	21.29	ug/l	97
49) cis-1,3-Dichloropropene	9.804	75	72810	21.19	ug/l	98
50) 1,1,2-Trichloroethane	10.527	97	39870	21.49	ug/l	95
51) Ethyl methacrylate	10.399	69	62868	21.04	ug/l	95
52) 1,3-Dichloropropane	10.675	76	71498	21.52	ug/l	100
53) Dibromochloromethane	10.871	129	39424	20.97	ug/l	99
54) 1,2-Dibromoethane	10.974	107	39989	21.51	ug/l	97
55) 2-Chloroethyl vinyl ether	9.659	63	122417	92.22	ug/l	96
56) Bromoform	12.097	173	24451	20.59	ug/l #	96
58) 4-Methyl-2-Pentanone	9.952	43	251770	105.52	ug/l	98
59) 2-Hexanone	10.720	43	173130	101.37	ug/l	99
61) Tetrachloroethene	10.598	164	43181	22.83	ug/l	92
62) Toluene	10.122	91	184633	21.98	ug/l	99
64) Chlorobenzene	11.402	112	109281	22.05	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.479	131	36795	21.35	ug/l	93
66) Ethyl Benzene	11.479	91	198702	22.10	ug/l	96
67) m/p-Xylenes	11.592	106	146889	43.88	ug/l	97
68) o-Xylene	11.916	106	70404	21.60	ug/l	94
69) Styrene	11.933	104	115777	21.96	ug/l	97
70) Isopropylbenzene	12.219	105	185636	22.17	ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.476	83	52330	21.30	ug/l	98
72) 1,2,3-Trichloropropane	12.524	75	47953m	19.93	ug/l	
73) Bromobenzene	12.495	156	40493	21.47	ug/l	72
74) n-propylbenzene	12.560	91	212650	21.97	ug/l	95
75) 2-Chlorotoluene	12.643	91	126949	21.65	ug/l	93
76) 1,3,5-Trimethylbenzene	12.704	105	156317	22.29	ug/l	97
77) t-1,4-Dichloro-2-butene	12.270	75	17812	18.96	ug/l	98
78) 4-Chlorotoluene	12.743	91	125562	21.53	ug/l	94
79) tert-butylbenzene	12.965	119	126608	21.86	ug/l	96
80) 1,2,4-Trimethylbenzene	13.010	105	155654	22.18	ug/l	99
81) sec-Butylbenzene	13.141	105	169855	21.96	ug/l	95
82) p-Isopropyltoluene	13.260	119	152090	22.08	ug/l	98
83) 1,3-Dichlorobenzene	13.254	146	70879	21.48	ug/l	97
84) 1,4-Dichlorobenzene	13.334	146	67436	20.83	ug/l	95
85) n-Butylbenzene	13.585	91	130459	21.71	ug/l	98
86) Hexachloroethane	13.846	117	24949	20.87	ug/l	74
87) 1,2-Dichlorobenzene	13.624	146	71401	21.65	ug/l	95
88) 1,2-Dibromo-3-Chloropr...	14.241	75	9269	19.58	ug/l #	73
89) 1,2,4-Trichlorobenzene	14.878	180	33449	19.45	ug/l	97
90) Hexachlorobutadiene	14.981	225	16608	21.29	ug/l	98
91) Naphthalene	15.100	128	98229	17.84	ug/l	100
92) 1,2,3-Trichlorobenzene	15.280	180	33968	19.68	ug/l	97

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

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