

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN033021\
 Data File : VN066419.D
 Acq On : 30 Mar 2021 13:43
 Operator : JC/MD
 Sample : VN0330WBS01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0330WBS01

Manual Integrations
 APPROVED

MMDadoda
 3/31/2021 1:35:30 PM

Quant Time: Mar 31 02:53:50 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	71752	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.513	114	413744	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.347	117	381459	30.00	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	7.944	65	173242	31.41	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 104.70%			
60) 4-Bromofluorobenzene	12.345	95	178574	30.00	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 100.00%			
63) Toluene-d8	10.025	98	524523	29.30	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 97.67%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.818	85	81808	20.39	ug/l	96
3) Chloromethane	2.014	50	113216	22.44	ug/l	98
4) Vinyl Chloride	2.146	62	117689	22.19	ug/l	98
5) Bromomethane	2.518	94	86784	23.13	ug/l	97
6) Chloroethane	2.652	64	77628	22.86	ug/l	96
7) Trichlorofluoromethane	2.961	101	159008	20.79	ug/l	95
8) Diethyl Ether	3.339	74	51689	20.01	ug/l	96
9) 1,1,2-Trichlorotrifluo...	3.685	101	78430	20.95	ug/l	99
10) 1,1-Dichloroethene	3.661	96	73419	19.81	ug/l	98
11) Methyl Iodide	3.870	142	95623	17.94	ug/l	97
12) Methyl Acetate	4.229	43	129254	22.47	ug/l	100
13) Acrolein	3.532	56	33486	95.68	ug/l	96
14) Acrylonitrile	4.873	53	247642	104.38	ug/l	99
15) Acetone	3.731	58	80764	116.91	ug/l	97
16) Carbon Disulfide	3.969	76	203587	19.84	ug/l	100
17) Allyl chloride	4.235	41	123638	18.47	ug/l	97
18) Methylene Chloride	4.455	84	91521	20.67	ug/l	94
19) trans-1,2-Dichloroethene	4.937	96	83257	20.43	ug/l	97
20) Diisopropyl ether	5.849	45	302106	20.56	ug/l	98
21) 1,1-Dichloroethane	5.745	63	165865	20.85	ug/l	100
22) cis-1,2-Dichloroethene	6.729	96	99560	20.41	ug/l	99
23) tert-Butyl Alcohol	4.675	59	94545m	97.07	ug/l	
24) Methyl tert-Butyl Ether	4.935	73	279711	19.79	ug/l #	80
25) Chloroform	7.284	83	167605	20.86	ug/l	95
26) Cyclohexane	7.571	56	137940	19.56	ug/l #	98
29) 1,1-Dichloropropene	7.708	75	119047	19.24	ug/l	98
30) 2-Butanone	6.732	43	366100	100.95	ug/l	99
31) 2,2-Dichloropropane	6.724	77	144640	18.87	ug/l	98
32) 1,1,1-Trichloroethane	7.483	97	142419	18.99	ug/l	99
33) Carbon Tetrachloride	7.692	117	118178	18.66	ug/l	94
34) Benzene	7.960	78	373914	19.83	ug/l	98
35) Methacrylonitrile	7.072	41	58472	19.06	ug/l	95
36) 1,2-Dichloroethane	8.043	62	131148	18.98	ug/l	99
37) Trichloroethene	8.765	130	93976	19.11	ug/l	100
38) Methylcyclohexane	9.011	83	141200	18.44	ug/l	99
39) 1,2-Dichloropropane	9.046	63	102657	20.12	ug/l	99
40) Dibromomethane	9.137	93	65399	19.93	ug/l	97
41) Bromodichloromethane	9.336	83	131410	18.92	ug/l	99
42) Vinyl Acetate	5.790	43	1277407	93.46	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	6.831	43	143047	20.48	ug/l #	100
44) Isopropyl Acetate	8.086	43	234147	18.77	ug/l #	100
45) 1,4-Dioxane	9.129	88	28653	360.14	ug/l	97
46) Methyl methacrylate	9.132	41	103732	17.81	ug/l	94
47) n-amyl Acetate	12.021	43	103368	18.01	ug/l	99
48) t-1,3-Dichloropropene	10.320	75	143243	18.98	ug/l	98
49) cis-1,3-Dichloropropene	9.773	75	156742	19.33	ug/l	96
50) 1,1,2-Trichloroethane	10.500	97	92574	19.71	ug/l	96
51) Ethyl methacrylate	10.368	69	136028	18.50	ug/l	97
52) 1,3-Dichloropropane	10.645	76	154930	19.79	ug/l	99
53) Dibromochloromethane	10.840	129	101319	19.20	ug/l	99
54) 1,2-Dibromoethane	10.945	107	95151	19.68	ug/l	100
55) 2-Chloroethyl vinyl ether	9.631	63	95489	87.37	ug/l	99
56) Bromoform	12.072	173	71199	18.39	ug/l #	97
58) 4-Methyl-2-Pentanone	9.918	43	740230	96.85	ug/l	99
59) 2-Hexanone	10.690	43	519477	98.78	ug/l	98
61) Tetrachloroethene	10.570	164	91387	17.40	ug/l	98
62) Toluene	10.092	91	403319	19.10	ug/l	98
64) Chlorobenzene	11.374	112	237785	19.16	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.449	131	92330	18.97	ug/l	99
66) Ethyl Benzene	11.452	91	433290	19.05	ug/l	97
67) m/p-Xylenes	11.565	106	318160	37.63	ug/l	99
68) o-Xylene	11.889	106	155537	18.64	ug/l	100
69) Styrene	11.908	104	247849	18.54	ug/l	99
70) Isopropylbenzene	12.192	105	413800	18.85	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.447	83	139293	19.81	ug/l	97
72) 1,2,3-Trichloropropane	12.498	75	134388m	19.80	ug/l	
73) Bromobenzene	12.468	156	103841	19.19	ug/l	99
74) n-propylbenzene	12.536	91	476299	19.62	ug/l	100
75) 2-Chlorotoluene	12.616	91	277868	18.91	ug/l	99
76) 1,3,5-Trimethylbenzene	12.678	105	343254	19.00	ug/l	99
77) t-1,4-Dichloro-2-butene	12.246	75	40475	18.38	ug/l	98
78) 4-Chlorotoluene	12.715	91	276226	19.16	ug/l	98
79) tert-butylbenzene	12.938	119	291963	18.59	ug/l	98
80) 1,2,4-Trimethylbenzene	12.983	105	331690	18.92	ug/l	100
81) sec-Butylbenzene	13.115	105	387251	19.31	ug/l	100
82) p-Isopropyltoluene	13.233	119	343615	19.45	ug/l	99
83) 1,3-Dichlorobenzene	13.227	146	179540	20.23	ug/l	99
84) 1,4-Dichlorobenzene	13.308	146	167794	19.42	ug/l	96
85) n-Butylbenzene	13.560	91	287124	19.93	ug/l	99
86) Hexachloroethane	13.815	117	61927	18.99	ug/l	100
87) 1,2-Dichlorobenzene	13.598	146	179881	20.49	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	14.214	75	27625	19.26	ug/l	97
89) 1,2,4-Trichlorobenzene	14.853	180	115717	20.65	ug/l	99
90) Hexachlorobutadiene	14.947	225	61823	20.36	ug/l	98
91) Naphthalene	15.070	128	338354	19.84	ug/l	99
92) 1,2,3-Trichlorobenzene	15.250	180	113281	20.65	ug/l	98

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

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