

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061121\
 Data File : VN067307.D
 Acq On : 12 Jun 2021 00:23
 Operator : JC/MD
 Sample : VSTDICV020
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN061121

Manual Integrations
 APPROVED

MMDadoda
 6/14/2021 4:11:50 PM

Quant Time: Jun 12 09:16:50 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N061121W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Sat Jun 12 09:13:15 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.662	128	67234	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.968	114	410209	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.747	117	376541	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.440	65	218295	30.895	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	103.000%
60) 4-Bromofluorobenzene	12.734	95	210091	28.900	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	96.333%
63) Toluene-d8	10.443	98	537392	29.926	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	99.767%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.070	85	93631	18.672	ug/l	99
3) Chloromethane	2.301	50	99806	18.560	ug/l	98
4) Vinyl Chloride	2.443	62	97712	18.405	ug/l	93
5) Bromomethane	2.856	94	56649	21.259	ug/l	91
6) Chloroethane	3.022	64	59210	19.101	ug/l	96
7) Trichlorofluoromethane	3.371	101	132912	18.746	ug/l	96
8) Diethyl Ether	3.824	74	54405m	18.829	ug/l	
9) 1,1,2-Trichlorotrifluo...	4.202	101	78268	18.670	ug/l	99
10) 1,1-Dichloroethene	4.173	96	77150	18.944	ug/l	94
11) Methyl Iodide	4.419	142	78630	16.054	ug/l	99
12) Methyl Acetate	4.857	43	111968	18.533	ug/l	100
13) Acrolein	4.044	56	67309	93.360	ug/l	98
14) Acrylonitrile	5.559	53	235332	92.776	ug/l	99
15) Acetone	4.291	58	57486	90.614	ug/l	87
16) Carbon Disulfide	4.524	76	244872	18.965	ug/l	98
17) Allyl chloride	4.838	41	160051	18.062	ug/l	98
18) Methylene Chloride	5.095	84	91821	18.378	ug/l	96
19) trans-1,2-Dichloroethene	5.594	96	82924	18.679	ug/l	96
20) Diisopropyl ether	6.503	45	327384	19.038	ug/l	99
21) 1,1-Dichloroethane	6.388	63	178274	18.719	ug/l	99
22) cis-1,2-Dichloroethene	7.327	96	98136	18.605	ug/l	97
23) tert-Butyl Alcohol	5.388	59	106876m	95.060	ug/l	
24) Methyl tert-Butyl Ether	5.621	73	323731	18.709	ug/l	99
25) Chloroform	7.820	83	183721	18.842	ug/l	98
26) Cyclohexane	8.094	56	156751	18.993	ug/l #	94
29) 1,1-Dichloropropene	8.223	75	140190	19.090	ug/l	97
30) 2-Butanone	7.343	43	349788	92.806	ug/l	98
31) 2,2-Dichloropropane	7.327	77	138813	17.654	ug/l	99
32) 1,1,1-Trichloroethane	8.013	97	173766	18.624	ug/l	100
33) Carbon Tetrachloride	8.206	117	141951	18.101	ug/l	95
34) Benzene	8.461	78	383462	18.567	ug/l	99
35) Methacrylonitrile	7.643	41	75989	18.708	ug/l	96
36) 1,2-Dichloroethane	8.534	62	160701	18.288	ug/l	99
37) Trichloroethene	9.218	130	91250	18.665	ug/l	99
38) Methylcyclohexane	9.459	83	138592	18.328	ug/l	100
39) 1,2-Dichloropropane	9.494	63	102213	18.332	ug/l	99
40) Dibromomethane	9.580	93	70320	18.367	ug/l	99
41) Bromodichloromethane	9.765	83	151106	18.305	ug/l	99
42) Vinyl Acetate	6.436	43	1447164m	91.230	ug/l	

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.418	43	128467	16.754	ug/l #	67
44) Isopropyl Acetate	8.566	43	263409	18.581	ug/l	98
45) 1,4-Dioxane	9.577	88	33850	366.765	ug/l #	91
46) Methyl methacrylate	9.561	41	113339	18.002	ug/l	98
47) n-amyl Acetate	12.388	43	212370	17.666	ug/l	99
48) t-1,3-Dichloropropene	10.722	75	162808	17.858	ug/l	100
49) cis-1,3-Dichloropropene	10.191	75	167721	18.311	ug/l	98
50) 1,1,2-Trichloroethane	10.902	97	90486	18.193	ug/l	96
51) Ethyl methacrylate	10.765	69	163488	17.992	ug/l	99
52) 1,3-Dichloropropane	11.047	76	164357	18.140	ug/l	100
53) Dibromochloromethane	11.240	129	99052	17.908	ug/l	98
54) 1,2-Dibromoethane	11.350	107	94886	18.289	ug/l	99
55) 2-Chloroethyl vinyl ether	10.044	63	192453	83.568	ug/l	100
56) Bromoform	12.460	173	65914	17.559	ug/l #	98
58) 4-Methyl-2-Pentanone	10.333	43	752791	90.956	ug/l	100
59) 2-Hexanone	11.087	43	541783	90.515	ug/l	99
61) Tetrachloroethene	10.977	164	81579	18.692	ug/l	97
62) Toluene	10.508	91	410750	18.227	ug/l	99
64) Chlorobenzene	11.773	112	240166	18.142	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.843	131	88925	17.774	ug/l	99
66) Ethyl Benzene	11.846	91	471585	18.022	ug/l	98
67) m/p-Xylenes	11.956	106	329907	35.740	ug/l	99
68) o-Xylene	12.283	106	164409	17.841	ug/l	100
69) Styrene	12.296	104	276342	17.835	ug/l	99
70) Isopropylbenzene	12.581	105	425778	17.937	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.830	83	133031	18.420	ug/l	100
72) 1,2,3-Trichloropropane	12.884	75	128725m	17.889	ug/l	
73) Bromobenzene	12.862	156	88149	17.845	ug/l	99
74) n-propylbenzene	12.921	91	513454	17.995	ug/l	99
75) 2-Chlorotoluene	13.010	91	320471	17.739	ug/l #	100
76) 1,3,5-Trimethylbenzene	13.061	105	363757	18.085	ug/l	100
77) t-1,4-Dichloro-2-butene	12.629	75	42486	16.947	ug/l	97
78) 4-Chlorotoluene	13.106	91	321994	17.925	ug/l	100
79) tert-butylbenzene	13.324	119	285402	17.662	ug/l	98
80) 1,2,4-Trimethylbenzene	13.369	105	352185m	17.733	ug/l	
81) sec-Butylbenzene	13.503	105	402873	17.958	ug/l	100
82) p-Isopropyltoluene	13.616	119	319205	17.646	ug/l	99
83) 1,3-Dichlorobenzene	13.619	146	159343	17.893	ug/l	98
84) 1,4-Dichlorobenzene	13.696	146	157772	17.651	ug/l	99
85) n-Butylbenzene	13.943	91	301523	17.919	ug/l	99
86) Hexachloroethane	14.211	117	64364	17.390	ug/l	98
87) 1,2-Dichlorobenzene	13.989	146	155646	17.908	ug/l	100
88) 1,2-Dibromo-3-Chloropr...	14.606	75	32234	17.622	ug/l	96
89) 1,2,4-Trichlorobenzene	15.265	180	81903	18.529	ug/l	98
90) Hexachlorobutadiene	15.373	225	43457	18.518	ug/l	99
91) Naphthalene	15.507	128	287824	19.396	ug/l	99
92) 1,2,3-Trichlorobenzene	15.703	180	78182	18.186	ug/l	96

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

