

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071421\
 Data File : VN067719.D
 Acq On : 13 Jul 2021 16:04
 Operator : JC/MD
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 7/16/2021 10:42:27 AM

Quant Time: Jul 14 01:07:39 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N071421W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Jul 14 01:07:13 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.659	128	63526	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.968	114	386380	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.746	117	350441	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.437	65	171161	33.716	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 112.400%#			
60) 4-Bromofluorobenzene	12.733	95	160123	28.425	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 94.767%			
63) Toluene-d8	10.443	98	502991	31.333	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 104.433%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.070	85	18078	5.546	ug/l	98
3) Chloromethane	2.301	50	24983	6.141	ug/l	99
4) Vinyl Chloride	2.443	62	39186	6.260	ug/l	98
5) Bromomethane	2.856	94	35194	6.693	ug/l	92
6) Chloroethane	3.019	64	30279	6.557	ug/l	98
7) Trichlorofluoromethane	3.371	101	73528	6.241	ug/l	99
8) Diethyl Ether	3.819	74	12518	5.749	ug/l	87
9) 1,1,2-Trichlorotrifluo...	4.202	101	19744m	5.808	ug/l	
10) 1,1-Dichloroethene	4.167	96	17785m	5.616	ug/l	
11) Methyl Iodide	4.417	142	20763	5.066	ug/l	98
12) Methyl Acetate	4.865	43	25461	6.005	ug/l	97
13) Acrolein	4.041	56	15434	31.480	ug/l #	45
14) Acrylonitrile	5.554	53	49531	27.047	ug/l	99
15) Acetone	4.296	58	14153m	28.631	ug/l	
16) Carbon Disulfide	4.527	76	46606	5.563	ug/l	97
17) Allyl chloride	4.835	41	29588	5.478	ug/l	97
18) Methylene Chloride	5.090	84	30797	7.467	ug/l	94
19) trans-1,2-Dichloroethene	5.591	96	20368	5.494	ug/l	97
20) Diisopropyl ether	6.501	45	68264	5.379	ug/l	96
21) 1,1-Dichloroethane	6.388	63	40204	5.728	ug/l	99
22) cis-1,2-Dichloroethene	7.327	96	25340	5.643	ug/l	95
23) tert-Butyl Alcohol	5.380	59	19139m	26.625	ug/l	
24) Methyl tert-Butyl Ether	5.618	73	69444m	5.478	ug/l	
25) Chloroform	7.823	83	43592	5.605	ug/l	97
26) Cyclohexane	8.094	56	34593	5.635	ug/l #	99
29) 1,1-Dichloropropene	8.222	75	31025	5.172	ug/l	98
30) 2-Butanone	7.343	43	72054	25.665	ug/l #	74
31) 2,2-Dichloropropane	7.321	77	34011m	4.951	ug/l	
32) 1,1,1-Trichloroethane	8.011	97	38348	5.199	ug/l	97
33) Carbon Tetrachloride	8.206	117	31206	4.961	ug/l	90
34) Benzene	8.461	78	91789	5.092	ug/l #	88
35) Methacrylonitrile	7.646	41	15114	5.270	ug/l	98
36) 1,2-Dichloroethane	8.534	62	35719	5.389	ug/l #	89
37) Trichloroethene	9.217	130	24180	5.127	ug/l	97
38) Methylcyclohexane	9.459	83	34458	5.123	ug/l	87
39) 1,2-Dichloropropane	9.491	63	23974	5.281	ug/l	99
40) Dibromomethane	9.579	93	16431	4.928	ug/l	95
41) Bromodichloromethane	9.762	83	31029	4.804	ug/l	99
42) Vinyl Acetate	6.436	43	246966	21.982	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.418	43	27468	4.686	ug/l #	79
44) Isopropyl Acetate	8.566	43	52136	5.149	ug/l #	88
45) 1,4-Dioxane	9.571	88	7395	94.140	ug/l	93
46) Methyl methacrylate	9.563	41	21486	4.868	ug/l	95
47) n-amyl Acetate	12.393	43	34985	4.158	ug/l	99
48) t-1,3-Dichloropropene	10.722	75	29829	4.241	ug/l	97
49) cis-1,3-Dichloropropene	10.194	75	34071	4.609	ug/l	96
50) 1,1,2-Trichloroethane	10.899	97	23414	5.001	ug/l	95
51) Ethyl methacrylate	10.765	69	31830	4.359	ug/l	97
52) 1,3-Dichloropropane	11.047	76	38136	4.935	ug/l	97
53) Dibromochloromethane	11.240	129	20004	4.024	ug/l	99
54) 1,2-Dibromoethane	11.347	107	22817	4.687	ug/l	99
55) 2-Chloroethyl vinyl ether	10.043	63	27296	17.892	ug/l	98
56) Bromoform	12.463	173	11953	3.435	ug/l #	98
58) 4-Methyl-2-Pentanone	10.333	43	153733	25.887	ug/l	100
59) 2-Hexanone	11.089	43	105834	25.272	ug/l	98
61) Tetrachloroethene	10.979	164	23495	5.423	ug/l	94
62) Toluene	10.505	91	111966	5.504	ug/l	98
64) Chlorobenzene	11.773	112	63030	5.138	ug/l	97
65) 1,1,1,2-Tetrachloroethane	11.843	131	21226	4.652	ug/l	99
66) Ethyl Benzene	11.846	91	114663	5.092	ug/l	96
67) m/p-Xylenes	11.956	106	84449	9.805	ug/l	97
68) o-Xylene	12.283	106	41329	4.853	ug/l	100
69) Styrene	12.296	104	62942	4.507	ug/l	98
70) Isopropylbenzene	12.583	105	103815	4.727	ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.827	83	29479	4.738	ug/l	95
72) 1,2,3-Trichloropropane	12.884	75	24432m	4.596	ug/l	
73) Bromobenzene	12.862	156	23009	4.559	ug/l	99
74) n-propylbenzene	12.924	91	118564	4.738	ug/l	99
75) 2-Chlorotoluene	13.010	91	73062	4.862	ug/l	98
76) 1,3,5-Trimethylbenzene	13.063	105	83509	4.598	ug/l	100
77) t-1,4-Dichloro-2-butene	12.632	75	6123	3.405	ug/l	92
78) 4-Chlorotoluene	13.106	91	70155	4.710	ug/l	98
79) tert-butylbenzene	13.326	119	70906	4.606	ug/l	99
80) 1,2,4-Trimethylbenzene	13.369	105	82091	4.592	ug/l #	81
81) sec-Butylbenzene	13.503	105	98261	4.598	ug/l	100
82) p-Isopropyltoluene	13.619	119	77497	4.352	ug/l	99
83) 1,3-Dichlorobenzene	13.619	146	40386	4.283	ug/l	99
84) 1,4-Dichlorobenzene	13.696	146	39469	4.323	ug/l	97
85) n-Butylbenzene	13.946	91	67203	4.555	ug/l	98
86) Hexachloroethane	14.211	117	11762	3.868	ug/l	98
87) 1,2-Dichlorobenzene	13.989	146	39643	4.444	ug/l	98
88) 1,2-Dibromo-3-Chloropr...	14.605	75	4918	4.353	ug/l	90
89) 1,2,4-Trichlorobenzene	15.265	180	15368	3.657	ug/l	100
90) Hexachlorobutadiene	15.370	225	9173	4.586	ug/l	99
91) Naphthalene	15.509	128	44830	3.898	ug/l	99
92) 1,2,3-Trichlorobenzene	15.702	180	15624	3.908	ug/l	97

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

