

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092821\
 Data File : VN068732.D
 Acq On : 28 Sep 2021 21:19
 Operator : JC/MD
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Manual Integrations
 APPROVED

MMDadoda
 9/30/2021 12:17:49 PM

Quant Time: Sep 29 05:18:07 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N092821W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Sep 29 05:13:39 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.659	128	78613	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.971	114	446625	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.746	117	413071	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.440	65	190978	31.517	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 105.067%			
60) 4-Bromofluorobenzene	12.733	95	181304	28.096	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 93.667%			
63) Toluene-d8	10.443	98	595725	31.907	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 106.367%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.073	85	63101	18.100	ug/l	97
3) Chloromethane	2.303	50	93529	20.963	ug/l	94
4) Vinyl Chloride	2.443	62	183585	21.107	ug/l	99
5) Bromomethane	2.861	94	159310	21.257	ug/l	98
6) Chloroethane	3.022	64	150025	21.218	ug/l	100
7) Trichlorofluoromethane	3.376	101	143853	19.826	ug/l	97
8) Diethyl Ether	3.829	74	49800	20.043	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.216	101	78077	18.587	ug/l #	69
10) 1,1-Dichloroethene	4.189	96	75376	19.444	ug/l	95
11) Methyl Iodide	4.425	142	86250	18.447	ug/l	98
12) Methyl Acetate	4.857	43	132227	19.751	ug/l	100
13) Acrolein	4.047	56	24576	87.441	ug/l	97
14) Acrylonitrile	5.557	53	212634	98.897	ug/l	99
15) Acetone	4.285	58	56689	95.182	ug/l	95
16) Carbon Disulfide	4.535	76	198147	18.876	ug/l	99
17) Allyl chloride	4.843	41	118753	19.280	ug/l	99
18) Methylene Chloride	5.101	84	97614	20.048	ug/l	97
19) trans-1,2-Dichloroethene	5.605	96	86843	18.954	ug/l	99
20) Diisopropyl ether	6.495	45	280764	19.604	ug/l	97
21) 1,1-Dichloroethane	6.393	63	166949	20.080	ug/l	100
22) cis-1,2-Dichloroethene	7.329	96	107277	19.242	ug/l	96
23) tert-Butyl Alcohol	5.361	59	79185	99.259	ug/l #	100
24) Methyl tert-Butyl Ether	5.616	73	295120	19.381	ug/l #	77
25) Chloroform	7.820	83	194530	19.845	ug/l	99
26) Cyclohexane	8.099	56	135391	18.709	ug/l #	98
29) 1,1-Dichloropropene	8.222	75	131982	18.596	ug/l	98
30) 2-Butanone	7.335	43	303823	95.303	ug/l	99
31) 2,2-Dichloropropane	7.329	77	137742	16.889	ug/l	100
32) 1,1,1-Trichloroethane	8.019	97	173517	19.077	ug/l	98
33) Carbon Tetrachloride	8.209	117	151193	18.701	ug/l	96
34) Benzene	8.461	78	405973	19.281	ug/l	98
35) Methacrylonitrile	7.635	41	55428	17.351	ug/l	93
36) 1,2-Dichloroethane	8.531	62	153354	19.468	ug/l	99
37) Trichloroethene	9.217	130	105346	18.922	ug/l	95
38) Methylcyclohexane	9.464	83	156593	17.823	ug/l #	71
39) 1,2-Dichloropropane	9.491	63	101767	19.512	ug/l	98
40) Dibromomethane	9.579	93	79995	19.431	ug/l	99
41) Bromodichloromethane	9.762	83	157114	19.470	ug/l	96
42) Vinyl Acetate	6.436	43	1123665m	95.188	ug/l	

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.415	43	124574	19.548	ug/l	98
44) Isopropyl Acetate	8.563	43	227609	19.720	ug/l	99
45) 1,4-Dioxane	9.571	88	35624	381.208	ug/l	95
46) Methyl methacrylate	9.563	41	97583	19.115	ug/l	96
47) n-amyl Acetate	12.390	43	173046	17.704	ug/l	100
48) t-1,3-Dichloropropene	10.722	75	157663	17.978	ug/l	99
49) cis-1,3-Dichloropropene	10.191	75	163366	18.216	ug/l	99
50) 1,1,2-Trichloroethane	10.899	97	110697	19.404	ug/l	97
51) Ethyl methacrylate	10.762	69	158705	18.470	ug/l	98
52) 1,3-Dichloropropane	11.047	76	178734	19.361	ug/l	98
53) Dibromochloromethane	11.240	129	119570	18.451	ug/l	100
54) 1,2-Dibromoethane	11.347	107	114682	19.161	ug/l	97
55) 2-Chloroethyl vinyl ether	10.043	63	204760	85.350	ug/l	97
56) Bromoform	12.460	173	78651	16.830	ug/l #	98
58) 4-Methyl-2-Pentanone	10.330	43	716949	102.830	ug/l	100
59) 2-Hexanone	11.087	43	502487	98.940	ug/l	98
61) Tetrachloroethene	10.979	164	96358	19.904	ug/l	94
62) Toluene	10.507	91	486159	19.685	ug/l	99
64) Chlorobenzene	11.771	112	287957	19.001	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.843	131	114916	19.550	ug/l	99
66) Ethyl Benzene	11.846	91	523771	18.822	ug/l	99
67) m/p-Xylenes	11.956	106	401435	37.359	ug/l	99
68) o-Xylene	12.283	106	193981	18.338	ug/l	98
69) Styrene	12.296	104	316321	18.118	ug/l	100
70) Isopropylbenzene	12.581	105	515078	18.362	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.830	83	152828	19.337	ug/l	99
72) 1,2,3-Trichloropropane	12.881	75	117942m	18.419	ug/l	
73) Bromobenzene	12.862	156	115216	18.145	ug/l	98
74) n-propylbenzene	12.924	91	577924	17.971	ug/l	100
75) 2-Chlorotoluene	13.010	91	343716	18.312	ug/l	98
76) 1,3,5-Trimethylbenzene	13.061	105	423432	18.279	ug/l	100
77) t-1,4-Dichloro-2-butene	12.629	75	41059	16.439	ug/l	95
78) 4-Chlorotoluene	13.106	91	327746	17.629	ug/l	99
79) tert-butylbenzene	13.326	119	368049	18.201	ug/l	100
80) 1,2,4-Trimethylbenzene	13.369	105	414007m	18.029	ug/l	
81) sec-Butylbenzene	13.503	105	518291	17.878	ug/l	99
82) p-Isopropyltoluene	13.619	119	412738	17.188	ug/l	100
83) 1,3-Dichlorobenzene	13.619	146	202121	17.158	ug/l	99
84) 1,4-Dichlorobenzene	13.696	146	194658	17.370	ug/l	99
85) n-Butylbenzene	13.943	91	334826	16.950	ug/l	99
86) Hexachloroethane	14.214	117	79524	17.596	ug/l	99
87) 1,2-Dichlorobenzene	13.991	146	196356	18.028	ug/l	98
88) 1,2-Dibromo-3-Chloropr...	14.603	75	27264	19.288	ug/l	97
89) 1,2,4-Trichlorobenzene	15.265	180	85370	15.955	ug/l	97
90) Hexachlorobutadiene	15.373	225	47280	17.727	ug/l	98
91) Naphthalene	15.509	128	228704	15.142	ug/l	99
92) 1,2,3-Trichlorobenzene	15.705	180	83243	16.226	ug/l	99

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

