

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN070921\
 Data File : VN067677.D
 Acq On : 9 Jul 2021 10:03
 Operator : JC/MD
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Manual Integrations
 APPROVED

MMDadoda
 7/12/2021 5:44:31 PM

7/12/2021 5:44:31 PM

Quant Time: Jul 10 05:16:59 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N070121W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Jul 01 12:09:22 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.657	128	63036	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.968	114	392065	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.749	117	375838	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.440	65	173836	34.127	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	= 113.767%#	
60) 4-Bromofluorobenzene	12.736	95	189570	31.005	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	= 103.333%	
63) Toluene-d8	10.443	98	514880	29.939	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	= 99.800%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.073	85	68337	17.505	ug/l	96
3) Chloromethane	2.303	50	92711	19.730	ug/l	99
4) Vinyl Chloride	2.446	62	146812	19.850	ug/l	95
5) Bromomethane	2.861	94	121224	20.319	ug/l	93
6) Chloroethane	3.022	64	113832	20.871	ug/l	94
7) Trichlorofluoromethane	3.373	101	282971	20.069	ug/l	99
8) Diethyl Ether	3.821	74	46067	12.559	ug/l	93
9) 1,1,2-Trichlorotrifluo...	4.208	101	73868	23.799	ug/l	95
10) 1,1-Dichloroethene	4.175	96	66839	21.823	ug/l	91
11) Methyl Iodide	4.417	142	85283	20.911	ug/l	93
12) Methyl Acetate	4.854	43	86984	22.132	ug/l	94
13) Acrolein	4.041	56	62062	111.976	ug/l	98
14) Acrylonitrile	5.557	53	188690	103.358	ug/l	99
15) Acetone	4.288	58	77677	181.638	ug/l	92
16) Carbon Disulfide	4.524	76	183446	20.852	ug/l	99
17) Allyl chloride	4.838	41	114032	21.114	ug/l	88
18) Methylene Chloride	5.090	84	85953	21.630	ug/l	88
19) trans-1,2-Dichloroethene	5.597	96	78189	21.231	ug/l	88
20) Diisopropyl ether	6.501	45	265950	20.362	ug/l #	90
21) 1,1-Dichloroethane	6.388	63	150631	21.593	ug/l	97
22) cis-1,2-Dichloroethene	7.327	96	90887	20.180	ug/l	94
23) tert-Butyl Alcohol	5.380	59	68917m	99.207	ug/l	
24) Methyl tert-Butyl Ether	5.621	73	256925	19.965	ug/l	97
25) Chloroform	7.820	83	165748	21.081	ug/l	99
26) Cyclohexane	8.094	56	135923	21.570	ug/l #	93
29) 1,1-Dichloropropene	8.222	75	123765	20.145	ug/l	97
30) 2-Butanone	7.340	43	322987	115.209	ug/l	97
31) 2,2-Dichloropropane	7.324	77	131341	20.082	ug/l	95
32) 1,1,1-Trichloroethane	8.013	97	144388	18.754	ug/l	98
33) Carbon Tetrachloride	8.206	117	120361	18.442	ug/l	94
34) Benzene	8.461	78	364523	19.246	ug/l	97
35) Methacrylonitrile	7.643	41	55523	18.211	ug/l	97
36) 1,2-Dichloroethane	8.534	62	139279	19.990	ug/l	99
37) Trichloroethene	9.217	130	93168	19.654	ug/l	89
38) Methylcyclohexane	9.459	83	139927	20.487	ug/l	93
39) 1,2-Dichloropropane	9.491	63	93380	19.721	ug/l	100
40) Dibromomethane	9.580	93	66292	18.934	ug/l	97
41) Bromodichloromethane	9.762	83	126837	18.667	ug/l	99
42) Vinyl Acetate	6.434	43	1132485m	92.231	ug/l	

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.418	43	122470m	20.127	ug/l	
44) Isopropyl Acetate	8.566	43	199745	18.525	ug/l	97
45) 1,4-Dioxane	9.572	88	28342	335.120	ug/l #	92
46) Methyl methacrylate	9.563	41	86108	18.643	ug/l	93
47) n-amyl Acetate	12.390	43	160975	17.751	ug/l	96
48) t-1,3-Dichloropropene	10.719	75	133256	18.229	ug/l	99
49) cis-1,3-Dichloropropene	10.191	75	141234	18.328	ug/l	95
50) 1,1,2-Trichloroethane	10.902	97	90281	18.250	ug/l	97
51) Ethyl methacrylate	10.765	69	138945	17.827	ug/l	97
52) 1,3-Dichloropropane	11.047	76	152042	18.605	ug/l	98
53) Dibromochloromethane	11.242	129	90117	16.905	ug/l	100
54) 1,2-Dibromoethane	11.347	107	94360	18.279	ug/l	99
55) 2-Chloroethyl vinyl ether	10.044	63	119948	72.345	ug/l	97
56) Bromoform	12.460	173	56857	15.320	ug/l #	99
58) 4-Methyl-2-Pentanone	10.333	43	626465	95.784	ug/l	98
59) 2-Hexanone	11.087	43	474945	104.246	ug/l	96
61) Tetrachloroethene	10.980	164	91308	19.719	ug/l	98
62) Toluene	10.508	91	433908	19.628	ug/l	98
64) Chlorobenzene	11.771	112	257605	19.667	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.843	131	89866	18.411	ug/l	98
66) Ethyl Benzene	11.849	91	477065	19.581	ug/l	98
67) m/p-Xylenes	11.956	106	363834	38.468	ug/l	88
68) o-Xylene	12.283	106	178121	18.904	ug/l	88
69) Styrene	12.296	104	290242	18.754	ug/l	94
70) Isopropylbenzene	12.581	105	467702	19.400	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.830	83	131684	18.993	ug/l	99
72) 1,2,3-Trichloropropane	12.884	75	123392m	20.451	ug/l	
73) Bromobenzene	12.862	156	100093	18.316	ug/l	80
74) n-propylbenzene	12.924	91	543688	19.953	ug/l	96
75) 2-Chlorotoluene	13.010	91	325252	19.852	ug/l #	100
76) 1,3,5-Trimethylbenzene	13.061	105	391926	19.686	ug/l	95
77) t-1,4-Dichloro-2-butene	12.629	75	32199	16.277	ug/l	98
78) 4-Chlorotoluene	13.109	91	327394	20.092	ug/l	93
79) tert-butylbenzene	13.326	119	323549	19.322	ug/l	89
80) 1,2,4-Trimethylbenzene	13.372	105	387757m	19.771	ug/l	
81) sec-Butylbenzene	13.506	105	462904	20.106	ug/l	97
82) p-Isopropyltoluene	13.619	119	373969	19.807	ug/l	94
83) 1,3-Dichlorobenzene	13.619	146	192019	18.931	ug/l	94
84) 1,4-Dichlorobenzene	13.699	146	187635	19.100	ug/l	96
85) n-Butylbenzene	13.946	91	313116	20.067	ug/l	98
86) Hexachloroethane	14.214	117	58005	18.011	ug/l	95
87) 1,2-Dichlorobenzene	13.991	146	184741	18.901	ug/l	95
88) 1,2-Dibromo-3-Chloropr...	14.606	75	23539	18.992	ug/l #	82
89) 1,2,4-Trichlorobenzene	15.265	180	73447	17.454	ug/l	98
90) Hexachlorobutadiene	15.373	225	40105	20.567	ug/l	95
91) Naphthalene	15.509	128	186820	14.408	ug/l	98
92) 1,2,3-Trichlorobenzene	15.705	180	68779	17.136	ug/l	97

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

