

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121321\
 Data File : VN070041.D
 Acq On : 13 Dec 2021 19:02
 Operator : JC/MD
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Quant Time: Dec 14 05:28:31 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N121321W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Dec 14 00:59:04 2021
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By : John Carlone 12/14/2021
 Supervised By : Amit Patel 12/15/2021

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

Internal Standards						
1) Bromochloromethane	7.659	128	163974	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.968	114	894288	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.744	117	810088	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.440	65	444065	30.559	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	101.867%		
60) 4-Bromofluorobenzene	12.731	95	392155	29.419	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	98.067%		
63) Toluene-d8	10.440	98	1168679	31.218	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	104.067%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.073	85	245732	20.651	ug/l	99
3) Chloromethane	2.303	50	283488	20.799	ug/l	95
4) Vinyl Chloride	2.445	62	253096	19.734	ug/l	100
5) Bromomethane	2.867	94	135400	19.314	ug/l	98
6) Chloroethane	3.025	64	148420	20.155	ug/l	99
7) Trichlorofluoromethane	3.376	101	331490	19.798	ug/l	99
8) Diethyl Ether	3.827	74	127747	19.228	ug/l	75
9) 1,1,2-Trichlorotrifluo...	4.208	101	189396	19.258	ug/l #	68
10) 1,1-Dichloroethene	4.178	96	180371	19.282	ug/l	87
11) Methyl Iodide	4.422	142	252124	19.261	ug/l	99
12) Methyl Acetate	4.857	43	473022	20.528	ug/l #	88
13) Acrolein	4.044	56	181415	97.264	ug/l	98
14) Acrylonitrile	5.557	53	683872	102.789	ug/l	99
15) Acetone	4.288	58	196943	81.577	ug/l	81
16) Carbon Disulfide	4.529	76	529287	18.778	ug/l	97
17) Allyl chloride	4.840	41	401758	19.097	ug/l	88
18) Methylene Chloride	5.095	84	223961	19.861	ug/l #	86
19) trans-1,2-Dichloroethene	5.597	96	188267	18.948	ug/l #	76
20) Diisopropyl ether	6.501	45	799482	19.842	ug/l #	94
21) 1,1-Dichloroethane	6.385	63	410462	19.325	ug/l	98
22) cis-1,2-Dichloroethene	7.327	96	225858	19.205	ug/l	88
23) tert-Butyl Alcohol	5.382	59	213217	101.380	ug/l #	100
24) Methyl tert-Butyl Ether	5.618	73	659440	19.852	ug/l	95
25) Chloroform	7.820	83	417110	19.765	ug/l	98
26) Cyclohexane	8.094	56	378092	19.230	ug/l #	84
29) 1,1-Dichloropropene	8.222	75	298138	19.362	ug/l	95
30) 2-Butanone	7.340	43	1015548	95.860	ug/l #	90
31) 2,2-Dichloropropane	7.324	77	292609	18.172	ug/l	97
32) 1,1,1-Trichloroethane	8.016	97	351397m	19.704	ug/l	
33) Carbon Tetrachloride	8.204	117	313014	19.746	ug/l	99
34) Benzene	8.461	78	903376	19.844	ug/l #	95
35) Methacrylonitrile	7.638	41	212019	21.635	ug/l	90
36) 1,2-Dichloroethane	8.531	62	353093	19.649	ug/l	98
37) Trichloroethene	9.217	130	205166	18.948	ug/l	89
38) Methylcyclohexane	9.461	83	337787	18.455	ug/l	87
39) 1,2-Dichloropropane	9.491	63	243609	20.072	ug/l	97
40) Dibromomethane	9.577	93	159782	19.958	ug/l	96
41) Bromodichloromethane	9.762	83	333013	19.672	ug/l	96
42) Vinyl Acetate	6.436	43	2740460	88.059	ug/l	96

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43) Ethyl Acetate	7.415	43	378678	20.579	ug/l	99
44) Isopropyl Acetate	8.563	43	606631	20.480	ug/l	94
45) 1,4-Dioxane	9.571	88	94080	448.846	ug/l #	84
46) Methyl methacrylate	9.561	41	272337	19.414	ug/l	83
47) n-amyl Acetate	12.390	43	380680	18.430	ug/l	99
48) t-1,3-Dichloropropene	10.719	75	310233	18.221	ug/l	99
49) cis-1,3-Dichloropropene	10.188	75	348797	18.877	ug/l	94
50) 1,1,2-Trichloroethane	10.899	97	220833	20.294	ug/l	97
51) Ethyl methacrylate	10.762	69	330674	19.013	ug/l	90
52) 1,3-Dichloropropane	11.044	76	382883	19.872	ug/l	97
53) Dibromochloromethane	11.240	129	238643	19.523	ug/l	99
54) 1,2-Dibromoethane	11.347	107	215641	19.450	ug/l	96
55) 2-Chloroethyl vinyl ether	10.041	63	309153	90.673	ug/l	96
56) Bromoform	12.457	173	177136	19.033	ug/l #	99
58) 4-Methyl-2-Pentanone	10.330	43	2016772	108.468	ug/l #	94
59) 2-Hexanone	11.087	43	1405233	102.230	ug/l	94
61) Tetrachloroethene	10.977	164	182047	19.241	ug/l	94
62) Toluene	10.505	91	952653	19.996	ug/l	99
64) Chlorobenzene	11.771	112	546970	19.345	ug/l	98
65) 1,1,1,2-Tetrachloroethane	11.840	131	214787	20.169	ug/l	99
66) Ethyl Benzene	11.846	91	1024550	19.344	ug/l	100
67) m/p-Xylenes	11.953	106	757240	39.132	ug/l	94
68) o-Xylene	12.280	106	369418	19.295	ug/l	93
69) Styrene	12.296	104	592144	18.975	ug/l	97
70) Isopropylbenzene	12.581	105	968327	19.276	ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.827	83	346924	21.057	ug/l	97
72) 1,2,3-Trichloropropane	12.881	75	331665m	21.633	ug/l	
73) Bromobenzene	12.862	156	224151	19.227	ug/l	91
74) n-propylbenzene	12.921	91	1089865	18.718	ug/l	98
75) 2-Chlorotoluene	13.007	91	677459	19.014	ug/l	96
76) 1,3,5-Trimethylbenzene	13.061	105	790718	19.158	ug/l	100
77) t-1,4-Dichloro-2-butene	12.626	75	91926	19.067	ug/l	91
78) 4-Chlorotoluene	13.106	91	633890	18.552	ug/l	95
79) tert-butylbenzene	13.324	119	678042	18.930	ug/l	98
80) 1,2,4-Trimethylbenzene	13.369	105	759710m	19.035	ug/l	
81) sec-Butylbenzene	13.503	105	937315	18.753	ug/l	99
82) p-Isopropyltoluene	13.619	119	728079	18.284	ug/l	100
83) 1,3-Dichlorobenzene	13.619	146	370698	18.801	ug/l	98
84) 1,4-Dichlorobenzene	13.696	146	346645	18.277	ug/l	98
85) n-Butylbenzene	13.943	91	547507	16.458	ug/l	98
86) Hexachloroethane	14.211	117	150512	18.946	ug/l	88
87) 1,2-Dichlorobenzene	13.989	146	365944	19.319	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	14.603	75	64798	20.560	ug/l	94
89) 1,2,4-Trichlorobenzene	15.265	180	150711	17.103	ug/l	97
90) Hexachlorobutadiene	15.370	225	97851	18.657	ug/l	99
91) Naphthalene	15.507	128	392177	20.068	ug/l #	93
92) 1,2,3-Trichlorobenzene	15.702	180	153520	18.439	ug/l	98

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

