

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061721\
 Data File : VN067388.D
 Acq On : 17 Jun 2021 19:52
 Operator : JC/MD
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Manual Integrations
 APPROVED

MMDadoda
 6/18/2021 9:13:27 AM

Quant Time: Jun 18 04:44:23 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	7.659	128	62546	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.971	114	380884	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.746	117	339201	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.440	65	199956	30.421	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 101.400%			
60) 4-Bromofluorobenzene	12.733	95	187782	28.675	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 95.600%			
63) Toluene-d8	10.443	98	509861	31.518	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 105.067%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.072	85	89127	19.106	ug/l	96
3) Chloromethane	2.300	50	96436	19.277	ug/l	98
4) Vinyl Chloride	2.443	62	93556	18.943	ug/l	99
5) Bromomethane	2.856	94	50277m	20.282	ug/l	
6) Chloroethane	3.022	64	57476	19.932	ug/l	91
7) Trichlorofluoromethane	3.373	101	129661	19.658	ug/l	94
8) Diethyl Ether	3.821	74	53231	19.804	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.205	101	77446	19.859	ug/l	96
10) 1,1-Dichloroethene	4.175	96	75382	19.897	ug/l	96
11) Methyl Iodide	4.417	142	74527	16.356	ug/l	98
12) Methyl Acetate	4.859	43	118694	21.119	ug/l	96
13) Acrolein	4.041	56	65339	97.420	ug/l	99
14) Acrylonitrile	5.559	53	236023	100.023	ug/l	99
15) Acetone	4.290	58	56895	96.404	ug/l	94
16) Carbon Disulfide	4.527	76	235612	19.615	ug/l	100
17) Allyl chloride	4.838	41	159198	19.313	ug/l	97
18) Methylene Chloride	5.092	84	94614	20.356	ug/l	97
19) trans-1,2-Dichloroethene	5.594	96	82842	20.059	ug/l	93
20) Diisopropyl ether	6.500	45	321708	20.110	ug/l	99
21) 1,1-Dichloroethane	6.388	63	180961	20.425	ug/l	99
22) cis-1,2-Dichloroethene	7.326	96	96586	19.684	ug/l	96
23) tert-Butyl Alcohol	5.387	59	93422	89.322	ug/l #	100
24) Methyl tert-Butyl Ether	5.623	73	309151	19.206	ug/l	97
25) Chloroform	7.820	83	174780	19.268	ug/l	98
26) Cyclohexane	8.096	56	156041	20.324	ug/l #	100
29) 1,1-Dichloropropene	8.222	75	132956	19.498	ug/l	98
30) 2-Butanone	7.343	43	326518	93.301	ug/l	99
31) 2,2-Dichloropropane	7.326	77	147829	20.248	ug/l	99
32) 1,1,1-Trichloroethane	8.016	97	155358	17.933	ug/l	97
33) Carbon Tetrachloride	8.206	117	124437	17.089	ug/l	99
34) Benzene	8.461	78	380941	19.865	ug/l	99
35) Methacrylonitrile	7.638	41	73228	19.416	ug/l	96
36) 1,2-Dichloroethane	8.531	62	151768	18.601	ug/l	100
37) Trichloroethene	9.217	130	83537	18.403	ug/l	97
38) Methylcyclohexane	9.461	83	146622	20.883	ug/l	100
39) 1,2-Dichloropropane	9.494	63	102869	19.870	ug/l	95
40) Dibromomethane	9.579	93	66041	18.578	ug/l	99
41) Bromodichloromethane	9.764	83	141765	18.496	ug/l #	98
42) Vinyl Acetate	6.436	43	1425447m	96.779	ug/l	

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.418	43	131893	18.525	ug/l #	71
44) Isopropyl Acetate	8.566	43	244993	18.612	ug/l	100
45) 1,4-Dioxane	9.571	88	31488	367.440	ug/l #	91
46) Methyl methacrylate	9.563	41	107234	18.344	ug/l	97
47) n-amyl Acetate	12.390	43	202727	18.162	ug/l	100
48) t-1,3-Dichloropropene	10.722	75	155032	18.314	ug/l	100
49) cis-1,3-Dichloropropene	10.194	75	163966	19.279	ug/l	94
50) 1,1,2-Trichloroethane	10.902	97	88752	19.219	ug/l	95
51) Ethyl methacrylate	10.765	69	159847	18.945	ug/l	98
52) 1,3-Dichloropropane	11.049	76	163852	19.476	ug/l	99
53) Dibromochloromethane	11.242	129	87147	16.969	ug/l	99
54) 1,2-Dibromoethane	11.349	107	86468	17.950	ug/l	100
55) 2-Chloroethyl vinyl ether	10.043	63	208931	97.709	ug/l	99
56) Bromoform	12.462	173	54329	15.587	ug/l #	100
58) 4-Methyl-2-Pentanone	10.336	43	718189	96.327	ug/l	99
59) 2-Hexanone	11.089	43	514337	95.389	ug/l	97
61) Tetrachloroethene	10.979	164	71780	18.257	ug/l	95
62) Toluene	10.510	91	400357	19.721	ug/l	99
64) Chlorobenzene	11.776	112	226141	18.963	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.843	131	80435	17.847	ug/l	98
66) Ethyl Benzene	11.848	91	453237	19.227	ug/l	99
67) m/p-Xylenes	11.958	106	313673	37.722	ug/l	99
68) o-Xylene	12.283	106	157318	18.951	ug/l	98
69) Styrene	12.296	104	252623	18.099	ug/l	99
70) Isopropylbenzene	12.580	105	413835	19.353	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.830	83	128174	19.701	ug/l	99
72) 1,2,3-Trichloropropane	12.881	75	132558m	20.449	ug/l	
73) Bromobenzene	12.865	156	79699	17.910	ug/l	95
74) n-propylbenzene	12.924	91	499720	19.442	ug/l	98
75) 2-Chlorotoluene	13.010	91	305454	18.769	ug/l #	100
76) 1,3,5-Trimethylbenzene	13.063	105	341074	18.824	ug/l	99
77) t-1,4-Dichloro-2-butene	12.629	75	39291	17.398	ug/l	100
78) 4-Chlorotoluene	13.109	91	299099	18.483	ug/l	98
79) tert-butylbenzene	13.326	119	279469	19.199	ug/l	99
80) 1,2,4-Trimethylbenzene	13.372	105	329749m	18.432	ug/l	
81) sec-Butylbenzene	13.506	105	398423	19.715	ug/l	99
82) p-Isopropyltoluene	13.618	119	305848	18.769	ug/l	99
83) 1,3-Dichlorobenzene	13.618	146	143879	17.935	ug/l	98
84) 1,4-Dichlorobenzene	13.696	146	142897	17.747	ug/l	97
85) n-Butylbenzene	13.946	91	298805	19.712	ug/l	99
86) Hexachloroethane	14.214	117	60520	18.151	ug/l	90
87) 1,2-Dichlorobenzene	13.991	146	140925	17.999	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	14.605	75	28719	17.429	ug/l	98
89) 1,2,4-Trichlorobenzene	15.268	180	69022	17.333	ug/l	99
90) Hexachlorobutadiene	15.372	225	36155	17.103	ug/l	95
91) Naphthalene	15.509	128	240287	17.975	ug/l	99
92) 1,2,3-Trichlorobenzene	15.705	180	69340	17.905	ug/l	99

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

