

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071421\
 Data File : VN067720.D
 Acq On : 13 Jul 2021 16:35
 Operator : JC/MD
 Sample : VSTDICCC020
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Manual Integrations
 APPROVED

MMDadoda
 7/16/2021 10:42:29 AM

Quant Time: Jul 14 01:07:58 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	66376	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.968	114	397684	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.747	117	381227	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.437	65	176386	33.253	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	= 110.833%#	
60) 4-Bromofluorobenzene	12.734	95	183951	30.018	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	= 100.067%	
63) Toluene-d8	10.443	98	529136	30.300	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	= 101.000%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.073	85	63615	18.678	ug/l	100
3) Chloromethane	2.301	50	84867	19.964	ug/l	100
4) Vinyl Chloride	2.443	62	132344	20.233	ug/l	100
5) Bromomethane	2.861	94	113039	20.575	ug/l	100
6) Chloroethane	3.020	64	102546	21.253	ug/l	100
7) Trichlorofluoromethane	3.371	101	256626	20.847	ug/l	100
8) Diethyl Ether	3.819	74	44532m	19.574	ug/l	
9) 1,1,2-Trichlorotrifluo...	4.202	101	67830	19.097	ug/l	100
10) 1,1-Dichloroethene	4.178	96	61791	18.674	ug/l	100
11) Methyl Iodide	4.420	142	75979	17.743	ug/l	100
12) Methyl Acetate	4.859	43	82292	18.576	ug/l	100
13) Acrolein	4.041	56	41562m	81.131	ug/l	
14) Acrylonitrile	5.559	53	178787	93.436	ug/l	100
15) Acetone	4.291	58	45534	88.159	ug/l	100
16) Carbon Disulfide	4.521	76	155221	17.733	ug/l	100
17) Allyl chloride	4.833	41	107653	19.075	ug/l	100
18) Methylene Chloride	5.093	84	81843	18.991	ug/l	100
19) trans-1,2-Dichloroethene	5.594	96	70942	18.313	ug/l	100
20) Diisopropyl ether	6.498	45	249725	18.833	ug/l	100
21) 1,1-Dichloroethane	6.383	63	140220	19.119	ug/l	100
22) cis-1,2-Dichloroethene	7.324	96	86310	18.395	ug/l	100
23) tert-Butyl Alcohol	5.388	59	68516	91.224	ug/l	# 100
24) Methyl tert-Butyl Ether	5.621	73	249338	18.823	ug/l	100
25) Chloroform	7.818	83	155424	19.126	ug/l	100
26) Cyclohexane	8.094	56	119295	18.599	ug/l	# 100
29) 1,1-Dichloropropene	8.223	75	111748	18.099	ug/l	100
30) 2-Butanone	7.340	43	254998	88.245	ug/l	100
31) 2,2-Dichloropropane	7.324	77	122691	17.352	ug/l	100
32) 1,1,1-Trichloroethane	8.016	97	134700	17.744	ug/l	100
33) Carbon Tetrachloride	8.204	117	112821	17.425	ug/l	100
34) Benzene	8.461	78	334610	18.033	ug/l	100
35) Methacrylonitrile	7.641	41	47565	16.112	ug/l	100
36) 1,2-Dichloroethane	8.531	62	131382	19.257	ug/l	100
37) Trichloroethene	9.218	130	85735	17.663	ug/l	100
38) Methylcyclohexane	9.462	83	122555	17.702	ug/l	100
39) 1,2-Dichloropropane	9.491	63	85034	18.199	ug/l	100
40) Dibromomethane	9.580	93	61061	17.794	ug/l	100
41) Bromodichloromethane	9.765	83	118763	17.864	ug/l	100
42) Vinyl Acetate	6.436	43	939179	81.217	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.415	43	99300	16.459	ug/l	100
44) Isopropyl Acetate	8.563	43	186512	17.895	ug/l	100
45) 1,4-Dioxane	9.572	88	28605	353.798	ug/l	100
46) Methyl methacrylate	9.561	41	79516	17.502	ug/l	100
47) n-amyl Acetate	12.390	43	145213	16.767	ug/l	100
48) t-1,3-Dichloropropene	10.719	75	121593	16.795	ug/l	100
49) cis-1,3-Dichloropropene	10.191	75	131447	17.276	ug/l	100
50) 1,1,2-Trichloroethane	10.902	97	84368	17.508	ug/l	100
51) Ethyl methacrylate	10.762	69	129479	17.226	ug/l	100
52) 1,3-Dichloropropane	11.047	76	142914	17.968	ug/l	100
53) Dibromochloromethane	11.240	129	82828	16.190	ug/l	100
54) 1,2-Dibromoethane	11.347	107	86832	17.331	ug/l	100
55) 2-Chloroethyl vinyl ether	10.044	63	116250	74.035	ug/l	100
56) Bromoform	12.460	173	52370	14.624	ug/l #	100
58) 4-Methyl-2-Pentanone	10.333	43	581169	89.959	ug/l	100
59) 2-Hexanone	11.087	43	401589	88.150	ug/l	100
61) Tetrachloroethene	10.980	164	82439	17.493	ug/l	100
62) Toluene	10.508	91	400592	18.101	ug/l	100
64) Chlorobenzene	11.771	112	235488	17.645	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.843	131	83257	16.773	ug/l	100
66) Ethyl Benzene	11.846	91	438741	17.911	ug/l	100
67) m/p-Xylenes	11.953	106	333358	35.577	ug/l	100
68) o-Xylene	12.283	106	162875	17.582	ug/l	100
69) Styrene	12.296	104	267568	17.611	ug/l	100
70) Isopropylbenzene	12.581	105	423859	17.742	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.830	83	120924	17.866	ug/l	100
72) 1,2,3-Trichloropropane	12.884	75	109915m	19.005	ug/l	
73) Bromobenzene	12.865	156	92018	16.758	ug/l	100
74) n-propylbenzene	12.924	91	491537	18.056	ug/l	100
75) 2-Chlorotoluene	13.010	91	295624	18.084	ug/l	100
76) 1,3,5-Trimethylbenzene	13.061	105	352046	17.817	ug/l	100
77) t-1,4-Dichloro-2-butene	12.629	75	30066	15.370	ug/l	100
78) 4-Chlorotoluene	13.106	91	296855	18.320	ug/l	100
79) tert-butylbenzene	13.326	119	298367	17.818	ug/l	100
80) 1,2,4-Trimethylbenzene	13.369	105	348650m	17.927	ug/l	
81) sec-Butylbenzene	13.503	105	422635	18.181	ug/l	100
82) p-Isopropyltoluene	13.619	119	337659	17.431	ug/l	100
83) 1,3-Dichlorobenzene	13.619	146	174492	17.012	ug/l	100
84) 1,4-Dichlorobenzene	13.696	146	170956	17.212	ug/l	100
85) n-Butylbenzene	13.946	91	281650	17.547	ug/l	100
86) Hexachloroethane	14.211	117	53483	16.169	ug/l	100
87) 1,2-Dichlorobenzene	13.991	146	168243	17.336	ug/l	100
88) 1,2-Dibromo-3-Chloropr...	14.603	75	20868	16.980	ug/l	100
89) 1,2,4-Trichlorobenzene	15.265	180	69901	15.291	ug/l	100
90) Hexachlorobutadiene	15.370	225	38654	17.765	ug/l	100
91) Naphthalene	15.507	128	189133	15.117	ug/l	100
92) 1,2,3-Trichlorobenzene	15.703	180	66721	15.339	ug/l	100

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

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