

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061121\
 Data File : VN067316.D
 Acq On : 12 Jun 2021 4:49
 Operator : JC/MD
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Manual Integrations
 APPROVED

MMDadoda
 6/14/2021 4:12:15 PM

Quant Time: Jun 12 09:30:35 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	7.662	128	66676	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.971	114	409771	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.747	117	370779	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.440	65	215916	30.814	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	= 102.700%	
60) 4-Bromofluorobenzene	12.733	95	208090	29.070	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	= 96.900%	
63) Toluene-d8	10.443	98	535961	30.310	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	= 101.033%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.073	85	92042	18.508	ug/l	98
3) Chloromethane	2.301	50	91931	17.239	ug/l	99
4) Vinyl Chloride	2.443	62	93648	17.787	ug/l	93
5) Bromomethane	2.853	94	26135	9.890	ug/l	99
6) Chloroethane	3.019	64	58590	19.059	ug/l	90
7) Trichlorofluoromethane	3.373	101	126865	18.043	ug/l	99
8) Diethyl Ether	3.821	74	54383	18.979	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.205	101	75274	18.106	ug/l	99
10) 1,1-Dichloroethene	4.178	96	74999m	18.570	ug/l	
11) Methyl Iodide	4.419	142	33127	6.820	ug/l	91
12) Methyl Acetate	4.862	43	114137	19.050	ug/l	99
13) Acrolein	4.039	56	50368	70.447	ug/l	97
14) Acrylonitrile	5.557	53	228292	90.754	ug/l	99
15) Acetone	4.288	58	58712	93.321	ug/l	100
16) Carbon Disulfide	4.521	76	246662	19.263	ug/l	98
17) Allyl chloride	4.835	41	157201	17.889	ug/l	98
18) Methylene Chloride	5.095	84	91083	18.382	ug/l	97
19) trans-1,2-Dichloroethene	5.594	96	81653m	18.546	ug/l	
20) Diisopropyl ether	6.501	45	318397	18.670	ug/l	99
21) 1,1-Dichloroethane	6.385	63	175586	18.591	ug/l	98
22) cis-1,2-Dichloroethene	7.327	96	95056	18.172	ug/l	99
23) tert-Butyl Alcohol	5.390	59	94542	84.794	ug/l #	100
24) Methyl tert-Butyl Ether	5.618	73	317245	18.488	ug/l	100
25) Chloroform	7.817	83	180681	18.685	ug/l	96
26) Cyclohexane	8.094	56	154073	18.825	ug/l #	97
29) 1,1-Dichloropropene	8.222	75	134535	18.339	ug/l	97
30) 2-Butanone	7.343	43	335667	89.154	ug/l	100
31) 2,2-Dichloropropane	7.324	77	119821	15.255	ug/l	100
32) 1,1,1-Trichloroethane	8.013	97	166922	17.909	ug/l	99
33) Carbon Tetrachloride	8.206	117	138480	17.677	ug/l	95
34) Benzene	8.461	78	371093	17.987	ug/l	98
35) Methacrylonitrile	7.640	41	72324	17.825	ug/l	97
36) 1,2-Dichloroethane	8.534	62	161501	18.399	ug/l	99
37) Trichloroethene	9.220	130	87451	17.908	ug/l	99
38) Methylcyclohexane	9.461	83	135850	17.984	ug/l	100
39) 1,2-Dichloropropane	9.491	63	99244	17.818	ug/l	98
40) Dibromomethane	9.577	93	68759	17.979	ug/l	98
41) Bromodichloromethane	9.765	83	147277	17.861	ug/l	98
42) Vinyl Acetate	6.436	43	1411615m	89.084	ug/l	

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.418	43	150595m	19.660	ug/l	
44) Isopropyl Acetate	8.566	43	255339	18.031	ug/l	99
45) 1,4-Dioxane	9.574	88	33214	360.258	ug/l #	93
46) Methyl methacrylate	9.563	41	111299	17.697	ug/l	98
47) n-amyl Acetate	12.388	43	212700	17.712	ug/l	99
48) t-1,3-Dichloropropene	10.722	75	155610	17.087	ug/l	99
49) cis-1,3-Dichloropropene	10.191	75	158312	17.302	ug/l	98
50) 1,1,2-Trichloroethane	10.902	97	90870	18.290	ug/l	98
51) Ethyl methacrylate	10.762	69	163264	17.986	ug/l	99
52) 1,3-Dichloropropane	11.047	76	162874	17.995	ug/l	99
53) Dibromochloromethane	11.240	129	94929	17.181	ug/l	98
54) 1,2-Dibromoethane	11.350	107	92948	17.935	ug/l	99
55) 2-Chloroethyl vinyl ether	10.043	63	305850	132.950	ug/l	100
56) Bromoform	12.460	173	61628	16.435	ug/l #	97
58) 4-Methyl-2-Pentanone	10.336	43	743327	91.208	ug/l	100
59) 2-Hexanone	11.089	43	531073	90.104	ug/l	98
61) Tetrachloroethene	10.979	164	76369	17.770	ug/l	94
62) Toluene	10.507	91	398466	17.956	ug/l	100
64) Chlorobenzene	11.773	112	235419	18.059	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.843	131	88260	17.916	ug/l	98
66) Ethyl Benzene	11.848	91	464972	18.045	ug/l	99
67) m/p-Xylenes	11.956	106	321148	35.332	ug/l	99
68) o-Xylene	12.283	106	159669	17.596	ug/l	99
69) Styrene	12.296	104	270770	17.747	ug/l	99
70) Isopropylbenzene	12.581	105	423391	18.114	ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.830	83	130679	18.375	ug/l	98
72) 1,2,3-Trichloropropane	12.884	75	124691m	17.597	ug/l	
73) Bromobenzene	12.862	156	85030	17.481	ug/l	97
74) n-propylbenzene	12.921	91	500815	17.825	ug/l	99
75) 2-Chlorotoluene	13.010	91	318312	17.894	ug/l #	100
76) 1,3,5-Trimethylbenzene	13.061	105	351252	17.734	ug/l	100
77) t-1,4-Dichloro-2-butene	12.626	75	35891	14.539	ug/l	96
78) 4-Chlorotoluene	13.106	91	310658	17.563	ug/l	100
79) tert-butylbenzene	13.326	119	280515	17.629	ug/l	99
80) 1,2,4-Trimethylbenzene	13.369	105	342970m	17.538	ug/l	
81) sec-Butylbenzene	13.503	105	394738	17.869	ug/l	99
82) p-Isopropyltoluene	13.616	119	307854	17.283	ug/l	99
83) 1,3-Dichlorobenzene	13.619	146	150063	17.112	ug/l	98
84) 1,4-Dichlorobenzene	13.696	146	152112	17.282	ug/l	99
85) n-Butylbenzene	13.943	91	290371	17.524	ug/l	100
86) Hexachloroethane	14.214	117	57808	15.861	ug/l	97
87) 1,2-Dichlorobenzene	13.991	146	148493	17.350	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	14.603	75	30447	16.904	ug/l	97
89) 1,2,4-Trichlorobenzene	15.265	180	74005	17.002	ug/l	99
90) Hexachlorobutadiene	15.370	225	38705	16.750	ug/l	99
91) Naphthalene	15.507	128	292842	20.041	ug/l	99
92) 1,2,3-Trichlorobenzene	15.702	180	74285	17.548	ug/l	98

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

