

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061121\
 Data File : VN067309.D
 Acq On : 12 Jun 2021 2:00
 Operator : JC/MD
 Sample : VN0611WBS02
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0611WBS02

Manual Integrations
 APPROVED

MMDadoda
 6/14/2021 4:11:56 PM

Quant Time: Jun 12 09:27:52 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	67726	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.971	114	425436	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.747	117	371687	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.442	65	222320	31.236	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 104.133%			
60) 4-Bromofluorobenzene	12.733	95	209865	29.246	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 97.500%			
63) Toluene-d8	10.443	98	548331	30.934	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 103.100%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.073	85	92761	18.364	ug/l	97
3) Chloromethane	2.301	50	101097	18.663	ug/l	99
4) Vinyl Chloride	2.443	62	97225	18.180	ug/l	98
5) Bromomethane	2.858	94	54587	20.337	ug/l	96
6) Chloroethane	3.022	64	57665m	18.468	ug/l	
7) Trichlorofluoromethane	3.371	101	130145	18.223	ug/l	95
8) Diethyl Ether	3.824	74	53117	18.250	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.202	101	78770	18.653	ug/l	99
10) 1,1-Dichloroethene	4.175	96	76061	18.541	ug/l	96
11) Methyl Iodide	4.419	142	79701	16.154	ug/l	98
12) Methyl Acetate	4.859	43	114169	18.760	ug/l	97
13) Acrolein	4.039	56	66183	91.131	ug/l	98
14) Acrylonitrile	5.559	53	232253	90.897	ug/l	99
15) Acetone	4.293	58	59813	93.597	ug/l	95
16) Carbon Disulfide	4.524	76	239621	18.423	ug/l	97
17) Allyl chloride	4.835	41	158622	17.771	ug/l	98
18) Methylene Chloride	5.093	84	94929	18.862	ug/l	97
19) trans-1,2-Dichloroethene	5.594	96	82424	18.431	ug/l	96
20) Diisopropyl ether	6.503	45	312418	18.036	ug/l	97
21) 1,1-Dichloroethane	6.388	63	178290	18.585	ug/l	99
22) cis-1,2-Dichloroethene	7.327	96	99333	18.695	ug/l	96
23) tert-Butyl Alcohol	5.393	59	98782	87.223	ug/l #	100
24) Methyl tert-Butyl Ether	5.626	73	322684	18.513	ug/l	100
25) Chloroform	7.820	83	180246	18.351	ug/l	98
26) Cyclohexane	8.094	56	150348	18.085	ug/l #	100
29) 1,1-Dichloropropene	8.222	75	129009	16.938	ug/l	98
30) 2-Butanone	7.343	43	343163	87.789	ug/l	99
31) 2,2-Dichloropropane	7.327	77	132018	16.189	ug/l	99
32) 1,1,1-Trichloroethane	8.016	97	170243	17.593	ug/l	99
33) Carbon Tetrachloride	8.206	117	139584	17.162	ug/l	95
34) Benzene	8.461	78	378109	17.652	ug/l	100
35) Methacrylonitrile	7.640	41	75707	17.971	ug/l	99
36) 1,2-Dichloroethane	8.534	62	165951	18.210	ug/l	99
37) Trichloroethene	9.217	130	87337	17.226	ug/l	100
38) Methylcyclohexane	9.461	83	138623	17.676	ug/l	99
39) 1,2-Dichloropropane	9.491	63	102214	17.676	ug/l	96
40) Dibromomethane	9.579	93	70831	17.839	ug/l	98
41) Bromodichloromethane	9.765	83	149623	17.477	ug/l	98
42) Vinyl Acetate	6.439	43	1413268m	85.904	ug/l	

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.418	43	128463	16.153	ug/l #	70
44) Isopropyl Acetate	8.566	43	256225	17.427	ug/l	99
45) 1,4-Dioxane	9.574	88	32632	340.913	ug/l #	92
46) Methyl methacrylate	9.563	41	112466	17.224	ug/l	99
47) n-amyl Acetate	12.390	43	197239	15.820	ug/l	100
48) t-1,3-Dichloropropene	10.722	75	161768	17.109	ug/l	100
49) cis-1,3-Dichloropropene	10.191	75	164535	17.320	ug/l	99
50) 1,1,2-Trichloroethane	10.902	97	92579	17.948	ug/l	97
51) Ethyl methacrylate	10.765	69	165588	17.571	ug/l	97
52) 1,3-Dichloropropane	11.047	76	165207	17.581	ug/l	98
53) Dibromochloromethane	11.242	129	97836	17.055	ug/l	100
54) 1,2-Dibromoethane	11.350	107	91985	17.095	ug/l	100
55) 2-Chloroethyl vinyl ether	10.043	63	184216	77.129	ug/l	100
56) Bromoform	12.460	173	63516	16.315	ug/l #	98
58) 4-Methyl-2-Pentanone	10.333	43	744954	91.184	ug/l	100
59) 2-Hexanone	11.089	43	523977	88.683	ug/l	98
61) Tetrachloroethene	10.980	164	82507	19.152	ug/l	98
62) Toluene	10.507	91	412959	18.564	ug/l	99
64) Chlorobenzene	11.773	112	234774	17.966	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.843	131	90632	18.352	ug/l	99
66) Ethyl Benzene	11.848	91	464014	17.964	ug/l	99
67) m/p-Xylenes	11.956	106	327476	35.940	ug/l	98
68) o-Xylene	12.283	106	164305	18.062	ug/l	98
69) Styrene	12.296	104	266690	17.437	ug/l	99
70) Isopropylbenzene	12.581	105	423741	18.084	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.827	83	127603	17.899	ug/l	99
72) 1,2,3-Trichloropropane	12.881	75	131925m	18.573	ug/l	
73) Bromobenzene	12.862	156	84264	17.281	ug/l	98
74) n-propylbenzene	12.921	91	497313	17.657	ug/l	100
75) 2-Chlorotoluene	13.010	91	312921	17.548	ug/l #	100
76) 1,3,5-Trimethylbenzene	13.061	105	350898	17.673	ug/l	100
77) t-1,4-Dichloro-2-butene	12.629	75	37769	15.262	ug/l	95
78) 4-Chlorotoluene	13.106	91	308805	17.415	ug/l	100
79) tert-butylbenzene	13.326	119	283391	17.766	ug/l	98
80) 1,2,4-Trimethylbenzene	13.369	105	342864m	17.490	ug/l	
81) sec-Butylbenzene	13.503	105	394010	17.793	ug/l	99
82) p-Isopropyltoluene	13.619	119	311380	17.439	ug/l	99
83) 1,3-Dichlorobenzene	13.619	146	153265	17.435	ug/l	97
84) 1,4-Dichlorobenzene	13.696	146	150480	17.055	ug/l	99
85) n-Butylbenzene	13.943	91	285704	17.201	ug/l	100
86) Hexachloroethane	14.211	117	63583	17.403	ug/l	98
87) 1,2-Dichlorobenzene	13.991	146	147354	17.175	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	14.606	75	29870	16.543	ug/l	95
89) 1,2,4-Trichlorobenzene	15.265	180	71808	16.457	ug/l	98
90) Hexachlorobutadiene	15.370	225	39936	17.240	ug/l	99
91) Naphthalene	15.509	128	228885	15.626	ug/l	99
92) 1,2,3-Trichlorobenzene	15.702	180	67865	15.993	ug/l	95

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

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