

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071421\
 Data File : VN067729.D
 Acq On : 13 Jul 2021 21:03
 Operator : JC/MD
 Sample : VN0714WBS01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0714WBS01

Manual Integrations
 APPROVED

MMDadoda
 7/16/2021 10:42:43 AM

Quant Time: Jul 14 01:22:03 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N071421W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Jul 14 01:19:19 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.659	128	67950	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.971	114	407595	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.746	117	381039	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.440	65	179453	32.689	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 108.967%			
60) 4-Bromofluorobenzene	12.733	95	181973	29.407	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 98.033%			
63) Toluene-d8	10.443	98	539095	30.760	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 102.533%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.073	85	64960	18.707	ug/l	98
3) Chloromethane	2.303	50	85970	19.821	ug/l	97
4) Vinyl Chloride	2.443	62	135815	20.128	ug/l	99
5) Bromomethane	2.853	94	115629	20.581	ug/l	96
6) Chloroethane	3.019	64	105707	21.037	ug/l	98
7) Trichlorofluoromethane	3.371	101	260170	20.780	ug/l	97
8) Diethyl Ether	3.819	74	44285	19.015	ug/l	95
9) 1,1,2-Trichlorotrifluo...	4.199	101	70021	19.675	ug/l	84
10) 1,1-Dichloroethene	4.175	96	64781	19.654	ug/l	99
11) Methyl Iodide	4.417	142	76072	17.457	ug/l	97
12) Methyl Acetate	4.859	43	89129	19.811	ug/l	98
13) Acrolein	4.039	56	44901	95.281	ug/l #	43
14) Acrylonitrile	5.557	53	188015	95.040	ug/l	99
15) Acetone	4.291	58	46963	95.766	ug/l	97
16) Carbon Disulfide	4.524	76	156162	17.941	ug/l	96
17) Allyl chloride	4.838	41	111067	19.149	ug/l	95
18) Methylene Chloride	5.093	84	83609	18.329	ug/l	99
19) trans-1,2-Dichloroethene	5.594	96	74144	18.865	ug/l	97
20) Diisopropyl ether	6.503	45	259694	18.910	ug/l	97
21) 1,1-Dichloroethane	6.388	63	145531	19.263	ug/l	99
22) cis-1,2-Dichloroethene	7.324	96	92842	19.143	ug/l	93
23) tert-Butyl Alcohol	5.382	59	70632	96.862	ug/l #	100
24) Methyl tert-Butyl Ether	5.621	73	260980	19.177	ug/l #	73
25) Chloroform	7.820	83	161570	19.219	ug/l	97
26) Cyclohexane	8.096	56	123285	18.728	ug/l #	98
29) 1,1-Dichloropropene	8.222	75	114074	17.838	ug/l	99
30) 2-Butanone	7.340	43	265577	89.677	ug/l	99
31) 2,2-Dichloropropane	7.327	77	113444	15.901	ug/l #	78
32) 1,1,1-Trichloroethane	8.016	97	142008	18.083	ug/l	99
33) Carbon Tetrachloride	8.206	117	117067	17.458	ug/l	99
34) Benzene	8.461	78	348484	18.230	ug/l	100
35) Methacrylonitrile	7.640	41	53652	17.624	ug/l	95
36) 1,2-Dichloroethane	8.534	62	134024	18.834	ug/l	99
37) Trichloroethene	9.217	130	87819	17.683	ug/l	95
38) Methylcyclohexane	9.461	83	124985	17.646	ug/l	98
39) 1,2-Dichloropropane	9.491	63	87275	17.903	ug/l	98
40) Dibromomethane	9.579	93	65544	18.697	ug/l	97
41) Bromodichloromethane	9.765	83	121427	17.646	ug/l	99
42) Vinyl Acetate	6.436	43	983258	83.457	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.418	43	99788	16.667	ug/l #	85
44) Isopropyl Acetate	8.566	43	197776	18.193	ug/l	98
45) 1,4-Dioxane	9.571	88	28306	343.842	ug/l	96
46) Methyl methacrylate	9.563	41	84081	17.916	ug/l	98
47) n-amyl Acetate	12.390	43	148000	16.585	ug/l	100
48) t-1,3-Dichloropropene	10.719	75	125584	16.935	ug/l	94
49) cis-1,3-Dichloropropene	10.191	75	136157	17.297	ug/l	99
50) 1,1,2-Trichloroethane	10.902	97	88757	17.742	ug/l	96
51) Ethyl methacrylate	10.765	69	134565	17.298	ug/l	99
52) 1,3-Dichloropropane	11.047	76	151204	18.280	ug/l	97
53) Dibromochloromethane	11.240	129	87961	16.797	ug/l	98
54) 1,2-Dibromoethane	11.347	107	91204	17.674	ug/l	99
55) 2-Chloroethyl vinyl ether	10.043	63	118726	78.909	ug/l	98
56) Bromoform	12.460	173	56043	15.275	ug/l #	99
58) 4-Methyl-2-Pentanone	10.333	43	611614	93.478	ug/l	99
59) 2-Hexanone	11.087	43	421777	91.941	ug/l	100
61) Tetrachloroethene	10.979	164	87456	18.685	ug/l	96
62) Toluene	10.507	91	412035	18.384	ug/l	100
64) Chlorobenzene	11.773	112	241496	17.991	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.843	131	86277	17.446	ug/l	97
66) Ethyl Benzene	11.848	91	447011	18.024	ug/l	99
67) m/p-Xylenes	11.956	106	336670	35.590	ug/l	100
68) o-Xylene	12.283	106	166935	17.877	ug/l	100
69) Styrene	12.296	104	269475	17.451	ug/l	99
70) Isopropylbenzene	12.581	105	432296	17.939	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.830	83	126432	18.480	ug/l	99
72) 1,2,3-Trichloropropane	12.881	75	108171m	19.018	ug/l	
73) Bromobenzene	12.862	156	92168	16.641	ug/l	98
74) n-propylbenzene	12.924	91	489798	17.739	ug/l	100
75) 2-Chlorotoluene	13.010	91	298189	17.993	ug/l	99
76) 1,3,5-Trimethylbenzene	13.061	105	358123	18.051	ug/l	100
77) t-1,4-Dichloro-2-butene	12.629	75	28144	14.662	ug/l	94
78) 4-Chlorotoluene	13.106	91	289014	17.491	ug/l	99
79) tert-butylbenzene	13.326	119	304217	17.859	ug/l	99
80) 1,2,4-Trimethylbenzene	13.372	105	349712m	17.751	ug/l	
81) sec-Butylbenzene	13.503	105	423806	17.935	ug/l	99
82) p-Isopropyltoluene	13.619	119	334769	17.021	ug/l	99
83) 1,3-Dichlorobenzene	13.619	146	171021	16.534	ug/l	97
84) 1,4-Dichlorobenzene	13.696	146	168151	16.689	ug/l	99
85) n-Butylbenzene	13.946	91	273921	16.787	ug/l	100
86) Hexachloroethane	14.211	117	54813	16.753	ug/l	99
87) 1,2-Dichlorobenzene	13.991	146	169839	17.199	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	14.605	75	20792	16.986	ug/l	98
89) 1,2,4-Trichlorobenzene	15.265	180	67328	14.954	ug/l	98
90) Hexachlorobutadiene	15.373	225	35550	16.427	ug/l	95
91) Naphthalene	15.507	128	181967	14.226	ug/l	99
92) 1,2,3-Trichlorobenzene	15.702	180	65022	15.073	ug/l	98

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

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