

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061721\
 Data File : VN067376.D
 Acq On : 17 Jun 2021 14:29
 Operator : JC/MD
 Sample : VN0617WBS01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0617WBS01

Manual Integrations
 APPROVED

MMDadoda
 6/18/2021 9:12:59 AM

Quant Time: Jun 18 04:43:04 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	63094	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.968	114	393145	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.749	117	350122	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.440	65	202606	30.556	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	101.867%
60) 4-Bromofluorobenzene	12.733	95	191293	28.300	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	94.333%
63) Toluene-d8	10.443	98	519872	31.135	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	103.767%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.073	85	95376	20.268	ug/l	95
3) Chloromethane	2.301	50	95319	18.889	ug/l	99
4) Vinyl Chloride	2.445	62	91090	18.284	ug/l	94
5) Bromomethane	2.861	94	51019	20.403	ug/l	90
6) Chloroethane	3.025	64	55959	19.237	ug/l #	88
7) Trichlorofluoromethane	3.371	101	128907	19.374	ug/l	93
8) Diethyl Ether	3.824	74	53711	19.809	ug/l	96
9) 1,1,2-Trichlorotrifluo...	4.207	101	82108	20.871	ug/l	78
10) 1,1-Dichloroethene	4.175	96	77748	20.343	ug/l	99
11) Methyl Iodide	4.419	142	73708	16.036	ug/l	98
12) Methyl Acetate	4.859	43	108762	19.184	ug/l	99
13) Acrolein	4.041	56	63854	94.379	ug/l	100
14) Acrylonitrile	5.556	53	238032	99.998	ug/l	98
15) Acetone	4.288	58	63786	107.142	ug/l	92
16) Carbon Disulfide	4.524	76	244171	20.151	ug/l	99
17) Allyl chloride	4.838	41	164475	19.780	ug/l	99
18) Methylene Chloride	5.095	84	94711	20.200	ug/l	96
19) trans-1,2-Dichloroethene	5.594	96	85654	20.559	ug/l	97
20) Diisopropyl ether	6.500	45	316628	19.621	ug/l	98
21) 1,1-Dichloroethane	6.391	63	181744	20.336	ug/l	100
22) cis-1,2-Dichloroethene	7.324	96	98977	19.996	ug/l	96
23) tert-Butyl Alcohol	5.385	59	90067	85.366	ug/l #	100
24) Methyl tert-Butyl Ether	5.621	73	312316	19.234	ug/l	97
25) Chloroform	7.820	83	177122	19.357	ug/l	96
26) Cyclohexane	8.096	56	162105	20.930	ug/l #	99
29) 1,1-Dichloropropene	8.222	75	136587	19.406	ug/l	96
30) 2-Butanone	7.343	43	331491	91.768	ug/l	99
31) 2,2-Dichloropropane	7.321	77	168590	22.371	ug/l	98
32) 1,1,1-Trichloroethane	8.016	97	157841	17.651	ug/l	98
33) Carbon Tetrachloride	8.206	117	126596	16.843	ug/l	100
34) Benzene	8.458	78	383291	19.364	ug/l	97
35) Methacrylonitrile	7.640	41	68306	17.546	ug/l	97
36) 1,2-Dichloroethane	8.531	62	152847	18.149	ug/l	99
37) Trichloroethene	9.220	130	83640	17.851	ug/l	100
38) Methylcyclohexane	9.461	83	158628	21.888	ug/l	98
39) 1,2-Dichloropropane	9.494	63	104782	19.608	ug/l	99
40) Dibromomethane	9.579	93	66487	18.120	ug/l	98
41) Bromodichloromethane	9.764	83	142884	18.061	ug/l	97
42) Vinyl Acetate	6.436	43	1408272	92.631	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.415	43	146722m	19.965	ug/l	
44) Isopropyl Acetate	8.566	43	248281	18.274	ug/l	99
45) 1,4-Dioxane	9.571	88	30379	343.443	ug/l #	91
46) Methyl methacrylate	9.563	41	106916	17.719	ug/l	98
47) n-amyl Acetate	12.390	43	188542	16.365	ug/l	99
48) t-1,3-Dichloropropene	10.722	75	156933	17.961	ug/l	100
49) cis-1,3-Dichloropropene	10.191	75	170640	19.438	ug/l	95
50) 1,1,2-Trichloroethane	10.899	97	88886	18.647	ug/l	96
51) Ethyl methacrylate	10.765	69	156895	18.016	ug/l	97
52) 1,3-Dichloropropane	11.049	76	165759	19.089	ug/l	100
53) Dibromochloromethane	11.240	129	86574	16.331	ug/l	98
54) 1,2-Dibromoethane	11.347	107	87717	17.641	ug/l	100
55) 2-Chloroethyl vinyl ether	10.043	63	199077	90.197	ug/l	98
56) Bromoform	12.460	173	54354	15.108	ug/l #	99
58) 4-Methyl-2-Pentanone	10.333	43	704926	91.599	ug/l	99
59) 2-Hexanone	11.089	43	491440	88.299	ug/l	98
61) Tetrachloroethene	10.979	164	77279	19.043	ug/l	99
62) Toluene	10.507	91	408319	19.486	ug/l	99
64) Chlorobenzene	11.773	112	227409	18.474	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.843	131	82127	17.654	ug/l	98
66) Ethyl Benzene	11.848	91	458616	18.848	ug/l	99
67) m/p-Xylenes	11.956	106	325146	37.882	ug/l	99
68) o-Xylene	12.283	106	159063	18.563	ug/l	99
69) Styrene	12.296	104	259415	18.006	ug/l	99
70) Isopropylbenzene	12.581	105	419130	18.989	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.830	83	125985	18.760	ug/l	100
72) 1,2,3-Trichloropropane	12.881	75	125466m	18.751	ug/l	
73) Bromobenzene	12.862	156	80424	17.509	ug/l	94
74) n-propylbenzene	12.924	91	526035	19.827	ug/l	98
75) 2-Chlorotoluene	13.010	91	313307	18.651	ug/l #	100
76) 1,3,5-Trimethylbenzene	13.063	105	351500	18.794	ug/l	99
77) t-1,4-Dichloro-2-butene	12.629	75	41525	17.813	ug/l	95
78) 4-Chlorotoluene	13.109	91	306810	18.369	ug/l	100
79) tert-butylbenzene	13.326	119	286514	19.069	ug/l	98
80) 1,2,4-Trimethylbenzene	13.369	105	346669m	18.773	ug/l	
81) sec-Butylbenzene	13.506	105	418551	20.065	ug/l	99
82) p-Isopropyltoluene	13.618	119	325877	19.375	ug/l	99
83) 1,3-Dichlorobenzene	13.618	146	150265	18.146	ug/l	97
84) 1,4-Dichlorobenzene	13.699	146	147044	17.692	ug/l	99
85) n-Butylbenzene	13.946	91	322154	20.590	ug/l	98
86) Hexachloroethane	14.214	117	59068	17.163	ug/l	94
87) 1,2-Dichlorobenzene	13.991	146	142972	17.691	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	14.603	75	26686	15.690	ug/l	97
89) 1,2,4-Trichlorobenzene	15.265	180	69091	16.810	ug/l	99
90) Hexachlorobutadiene	15.372	225	38436	17.615	ug/l	95
91) Naphthalene	15.509	128	195767	14.188	ug/l	98
92) 1,2,3-Trichlorobenzene	15.705	180	64285	16.082	ug/l	99

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

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