

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN070121\
 Data File : VN067596.D
 Acq On : 1 Jul 2021 15:05
 Operator : JC/MD
 Sample : VN0701WBSD01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0701WBSD01

Manual Integrations
 APPROVED

MMDadoda
 7/5/2021 2:01:11 PM

Quant Time: Jul 02 06:45:52 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N070121W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Jul 01 12:09:22 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.659	128	66838	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.968	114	402355	30.000	ug/l	# 0.00
57) Chlorobenzene-d5	11.746	117	378734	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.440	65	175202	32.438	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	= 108.133%	
60) 4-Bromofluorobenzene	12.733	95	181634	29.480	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	= 98.267%	
63) Toluene-d8	10.443	98	525242	30.308	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	= 101.033%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.073	85	78546	18.976	ug/l	95
3) Chloromethane	2.301	50	100929	20.257	ug/l	99
4) Vinyl Chloride	2.443	62	151429	19.310	ug/l	96
5) Bromomethane	2.856	94	127755	20.196	ug/l	91
6) Chloroethane	3.019	64	114252	19.757	ug/l	93
7) Trichlorofluoromethane	3.371	101	293835	19.654	ug/l	97
8) Diethyl Ether	3.816	74	53805	13.835	ug/l	92
9) 1,1,2-Trichlorotrifluo...	4.199	101	62424	18.968	ug/l	83
10) 1,1-Dichloroethene	4.175	96	59996	18.474	ug/l	92
11) Methyl Iodide	4.417	142	73474	16.990	ug/l	89
12) Methyl Acetate	4.859	43	81781	19.624	ug/l	98
13) Acrolein	4.038	56	54387	92.547	ug/l	98
14) Acrylonitrile	5.559	53	183634	94.867	ug/l	99
15) Acetone	4.291	58	44200	97.477	ug/l	79
16) Carbon Disulfide	4.521	76	169687	18.191	ug/l	98
17) Allyl chloride	4.835	41	104772	18.296	ug/l	87
18) Methylene Chloride	5.092	84	78427	18.613	ug/l	94
19) trans-1,2-Dichloroethene	5.597	96	71602	18.336	ug/l	83
20) Diisopropyl ether	6.500	45	256310	18.508	ug/l	93
21) 1,1-Dichloroethane	6.382	63	140598	19.008	ug/l	96
22) cis-1,2-Dichloroethene	7.327	96	86941	18.206	ug/l	92
23) tert-Butyl Alcohol	5.387	59	74079m	100.571	ug/l	
24) Methyl tert-Butyl Ether	5.618	73	254200	18.629	ug/l	# 77
25) Chloroform	7.820	83	153704	18.437	ug/l	97
26) Cyclohexane	8.096	56	122537	18.339	ug/l	# 94
29) 1,1-Dichloropropene	8.222	75	110960	17.599	ug/l	98
30) 2-Butanone	7.340	43	262878	91.370	ug/l	97
31) 2,2-Dichloropropane	7.324	77	108590	16.179	ug/l	98
32) 1,1,1-Trichloroethane	8.016	97	135198	17.111	ug/l	98
33) Carbon Tetrachloride	8.206	117	109292	16.318	ug/l	93
34) Benzene	8.461	78	334264	17.197	ug/l	97
35) Methacrylonitrile	7.638	41	55506	17.740	ug/l	92
36) 1,2-Dichloroethane	8.531	62	128849	18.020	ug/l	98
37) Trichloroethene	9.217	130	86799	17.842	ug/l	89
38) Methylcyclohexane	9.461	83	119184	17.004	ug/l	92
39) 1,2-Dichloropropane	9.491	63	84164	17.320	ug/l	98
40) Dibromomethane	9.579	93	63291	17.614	ug/l	94
41) Bromodichloromethane	9.764	83	119956	17.203	ug/l	98
42) Vinyl Acetate	6.436	43	1102223m	87.470	ug/l	

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.418	43	110969	17.770	ug/l #	78
44) Isopropyl Acetate	8.563	43	198814	17.967	ug/l	99
45) 1,4-Dioxane	9.574	88	30034	346.044	ug/l #	88
46) Methyl methacrylate	9.563	41	83508	17.618	ug/l	97
47) n-amyl Acetate	12.393	43	155703	16.731	ug/l	98
48) t-1,3-Dichloropropene	10.722	75	121692	16.222	ug/l	100
49) cis-1,3-Dichloropropene	10.191	75	130931	16.556	ug/l	93
50) 1,1,2-Trichloroethane	10.902	97	86235	16.986	ug/l	99
51) Ethyl methacrylate	10.765	69	132878	16.612	ug/l	95
52) 1,3-Dichloropropane	11.046	76	146002	17.409	ug/l	99
53) Dibromochloromethane	11.240	129	86347	15.784	ug/l	100
54) 1,2-Dibromoethane	11.349	107	88155	16.641	ug/l	100
55) 2-Chloroethyl vinyl ether	10.043	63	129925	76.359	ug/l	96
56) Bromoform	12.463	173	55307	14.521	ug/l #	97
58) 4-Methyl-2-Pentanone	10.333	43	594441	90.193	ug/l	97
59) 2-Hexanone	11.089	43	419209	91.309	ug/l	98
61) Tetrachloroethene	10.979	164	80756	17.307	ug/l	97
62) Toluene	10.507	91	391058	17.554	ug/l	99
64) Chlorobenzene	11.771	112	229821	17.412	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.846	131	83039	16.882	ug/l	98
66) Ethyl Benzene	11.848	91	431015	17.555	ug/l	97
67) m/p-Xylenes	11.956	106	332627	34.899	ug/l	87
68) o-Xylene	12.283	106	165068	17.384	ug/l	85
69) Styrene	12.296	104	262990	16.863	ug/l	93
70) Isopropylbenzene	12.583	105	413330	17.014	ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.830	83	122524	17.537	ug/l	100
72) 1,2,3-Trichloropropane	12.884	75	105295m	17.318	ug/l	
73) Bromobenzene	12.865	156	92042	16.714	ug/l	77
74) n-propylbenzene	12.924	91	477375	17.386	ug/l	96
75) 2-Chlorotoluene	13.010	91	290044	17.568	ug/l #	100
76) 1,3,5-Trimethylbenzene	13.063	105	342844	17.089	ug/l	96
77) t-1,4-Dichloro-2-butene	12.629	75	29481	14.789	ug/l	96
78) 4-Chlorotoluene	13.109	91	288165	17.549	ug/l	94
79) tert-butylbenzene	13.326	119	287739	17.052	ug/l	89
80) 1,2,4-Trimethylbenzene	13.372	105	341887m	17.299	ug/l	
81) sec-Butylbenzene	13.503	105	392999	16.939	ug/l	97
82) p-Isopropyltoluene	13.618	119	317671	16.696	ug/l	95
83) 1,3-Dichlorobenzene	13.618	146	171322	16.761	ug/l	94
84) 1,4-Dichlorobenzene	13.699	146	166589	16.828	ug/l	96
85) n-Butylbenzene	13.946	91	263061	16.730	ug/l	97
86) Hexachloroethane	14.214	117	51648	15.915	ug/l	93
87) 1,2-Dichlorobenzene	13.991	146	169468	17.206	ug/l	94
88) 1,2-Dibromo-3-Chloropr...	14.605	75	22038	17.645	ug/l #	79
89) 1,2,4-Trichlorobenzene	15.265	180	71212	16.794	ug/l	98
90) Hexachlorobutadiene	15.372	225	33674	17.137	ug/l	98
91) Naphthalene	15.509	128	219373	16.789	ug/l	99
92) 1,2,3-Trichlorobenzene	15.702	180	69072	17.078	ug/l	97

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

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