

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050721\
 Data File : VN067029.D
 Acq On : 6 May 2021 23:59
 Operator : JC/MD
 Sample : VN0507WBS01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0507WBS01

Manual Integrations
 APPROVED

MMDadoda
 5/7/2021 6:23:46 PM

Quant Time: May 07 07:30:32 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N050721W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri May 07 07:26:20 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.112	128	81626	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.520	114	410975	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.350	117	377046	30.00	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	7.954	65	208555	29.16	ug/l	0.00
Spiked Amount 30.000	Range	91 - 110	Recovery	=	97.20%	
60) 4-Bromofluorobenzene	12.350	95	181173	28.88	ug/l	0.00
Spiked Amount 30.000	Range	63 - 112	Recovery	=	96.27%	
63) Toluene-d8	10.030	98	572209	30.64	ug/l	0.00
Spiked Amount 30.000	Range	91 - 112	Recovery	=	102.13%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.837	85	102674	18.39	ug/l	96
3) Chloromethane	2.035	50	145018	17.03	ug/l	99
4) Vinyl Chloride	2.161	62	141791	17.22	ug/l	98
5) Bromomethane	2.515	94	77770	16.93	ug/l	98
6) Chloroethane	2.657	64	85853	18.09	ug/l	93
7) Trichlorofluoromethane	2.971	101	175462	17.54	ug/l	99
8) Diethyl Ether	3.357	74	56727	16.79	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.693	101	84188	17.39	ug/l	98
10) 1,1-Dichloroethene	3.676	96	79642	17.14	ug/l	98
11) Methyl Iodide	3.886	142	109141	17.27	ug/l	98
12) Methyl Acetate	4.256	43	107809	16.33	ug/l	98
13) Acrolein	3.548	56	87182	80.78	ug/l	98
14) Acrylonitrile	4.894	53	216587	82.95	ug/l	98
15) Acetone	3.752	58	62446	82.39	ug/l	91
16) Carbon Disulfide	3.985	76	264626	17.22	ug/l	99
17) Allyl chloride	4.248	41	153645	16.93	ug/l	98
18) Methylene Chloride	4.473	84	105475	16.72	ug/l	96
19) trans-1,2-Dichloroethene	4.956	96	88800	17.36	ug/l	98
20) Diisopropyl ether	5.868	45	291830m	17.42	ug/l	
21) 1,1-Dichloroethane	5.760	63	190752	17.13	ug/l	98
22) cis-1,2-Dichloroethene	6.745	96	100216	17.08	ug/l #	58
23) tert-Butyl Alcohol	4.704	59	82884	79.69	ug/l #	100
24) Methyl tert-Butyl Ether	4.956	73	263372	17.10	ug/l	99
25) Chloroform	7.292	83	188252	17.52	ug/l	97
26) Cyclohexane	7.576	56	132568	17.13	ug/l #	99
29) 1,1-Dichloropropene	7.718	75	126664	17.63	ug/l	99
30) 2-Butanone	6.747	43	292288	84.81	ug/l	100
31) 2,2-Dichloropropane	6.731	77	134999	15.56	ug/l	99
32) 1,1,1-Trichloroethane	7.493	97	164511	17.63	ug/l	100
33) Carbon Tetrachloride	7.697	117	143030	17.61	ug/l	97
34) Benzene	7.968	78	411988	17.68	ug/l	99
35) Methacrylonitrile	7.091	41	55675	17.27	ug/l	91
36) 1,2-Dichloroethane	8.053	62	150424	17.32	ug/l	99
37) Trichloroethene	8.769	130	90592	17.96	ug/l	96
38) Methylcyclohexane	9.016	83	123550	17.27	ug/l	99
39) 1,2-Dichloropropane	9.054	63	113421	17.54	ug/l	98
40) Dibromomethane	9.142	93	68425	17.12	ug/l	100
41) Bromodichloromethane	9.341	83	148681	17.61	ug/l	100
42) Vinyl Acetate	5.809	43	1287509	86.69	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	6.846	43	147814m	18.20	ug/l	
44) Isopropyl Acetate	8.094	43	212723	17.25	ug/l	99
45) 1,4-Dioxane	9.137	88	25516	323.81	ug/l #	89
46) Methyl methacrylate	9.137	41	83542	16.09	ug/l	98
48) t-1,3-Dichloropropene	10.325	75	146646	16.95	ug/l	95
49) cis-1,3-Dichloropropene	9.778	75	162036	17.08	ug/l	99
50) 1,1,2-Trichloroethane	10.502	97	96930	17.53	ug/l	98
51) Ethyl methacrylate	10.373	69	121457	16.81	ug/l	99
52) 1,3-Dichloropropane	10.647	76	169463	17.65	ug/l	100
53) Dibromochloromethane	10.843	129	104216	17.15	ug/l	100
54) 1,2-Dibromoethane	10.947	107	91032	17.22	ug/l	100
55) 2-Chloroethyl vinyl ether	9.636	63	103182	74.57	ug/l	99
56) Bromoform	12.074	173	68480	16.97	ug/l #	98
58) 4-Methyl-2-Pentanone	9.923	43	615953	87.26	ug/l	99
59) 2-Hexanone	10.698	43	344671	82.79	ug/l	99
61) Tetrachloroethene	10.572	164	80972	18.95	ug/l	95
62) Toluene	10.094	91	420977	18.10	ug/l	99
64) Chlorobenzene	11.376	112	237126	17.46	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.451	131	94964	17.52	ug/l	99
66) Ethyl Benzene	11.457	91	418881	17.74	ug/l	100
67) m/p-Xylenes	11.567	106	315300	35.56	ug/l	99
68) o-Xylene	11.894	106	154651	17.67	ug/l	96
69) Styrene	11.913	104	238637	17.74	ug/l	97
70) Isopropylbenzene	12.197	105	398256	17.55	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.452	83	139650	16.91	ug/l	96
72) 1,2,3-Trichloropropane	12.500	75	127156m	16.98	ug/l	
73) Bromobenzene	12.473	156	92701	16.91	ug/l	99
74) n-propylbenzene	12.538	91	443318	17.04	ug/l	98
75) 2-Chlorotoluene	12.621	91	299035	17.89	ug/l	98
76) 1,3,5-Trimethylbenzene	12.680	105	352481	17.57	ug/l	99
77) t-1,4-Dichloro-2-butene	12.259	75	23761	15.36	ug/l	90
78) 4-Chlorotoluene	12.723	91	270820	18.05	ug/l	99
79) tert-butylbenzene	12.937	119	290743	17.10	ug/l	99
80) 1,2,4-Trimethylbenzene	12.988	105	320375	17.04	ug/l	100
81) sec-Butylbenzene	13.117	105	377060	16.78	ug/l	99
82) p-Isopropyltoluene	13.238	119	304079	17.01	ug/l	98
83) 1,3-Dichlorobenzene	13.232	146	156739	17.24	ug/l	99
84) 1,4-Dichlorobenzene	13.315	146	139245	14.79	ug/l	87
85) n-Butylbenzene	13.565	91	216642	15.06	ug/l	96
86) Hexachloroethane	13.817	117	66033	16.69	ug/l	99
87) 1,2-Dichlorobenzene	13.602	146	157370	16.69	ug/l	93
88) 1,2-Dibromo-3-Chloropr...	14.225	75	25244m	15.76	ug/l	
89) 1,2,4-Trichlorobenzene	14.860	180	71880	15.10	ug/l	93
90) Hexachlorobutadiene	14.949	225	53358	16.62	ug/l	96
91) Naphthalene	15.077	128	184223	14.12	ug/l	99
92) 1,2,3-Trichlorobenzene	15.257	180	74193	14.89	ug/l	96

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

