

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN070121\
 Data File : VN067590.D
 Acq On : 1 Jul 2021 11:24
 Operator : JC/MD
 Sample : VSTDIC100
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Manual Integrations
 APPROVED

MMDadoda
 7/5/2021 2:00:27 PM

Quant Time: Jul 01 11:46:01 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N070121W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Jul 01 11:33:18 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.659	128	94730	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.971	114	507819	30.000	ug/l	# 0.00
57) Chlorobenzene-d5	11.746	117	533837	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.440	65	216373	23.610	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	78.700%#
60) 4-Bromofluorobenzene	12.733	95	266267	27.520	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	91.733%
63) Toluene-d8	10.443	98	713870	28.355	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	94.533%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.070	85	602729	102.835	ug/l	98
3) Chloromethane	2.298	50	658109	98.101	ug/l	100
4) Vinyl Chloride	2.440	62	1044638	134.160	ug/l	96
5) Bromomethane	2.818	94	849606	177.967	ug/l	93
6) Chloroethane	2.995	64	717323	141.627	ug/l	91
7) Trichlorofluoromethane	3.360	101	1858816	148.921	ug/l	97
8) Diethyl Ether	3.816	74	606165	155.695	ug/l	96
9) 1,1,2-Trichlorotrifluo...	4.197	101	442490	90.952	ug/l	96
10) 1,1-Dichloroethene	4.167	96	438802	92.814	ug/l	90
11) Methyl Iodide	4.411	142	658756	112.108	ug/l	90
12) Methyl Acetate	4.856	43	614372	89.879	ug/l	93
13) Acrolein	4.036	56	423569	495.108	ug/l	97
14) Acrylonitrile	5.556	53	1435352	493.649	ug/l	99
15) Acetone	4.291	58	321138	446.292	ug/l	91
16) Carbon Disulfide	4.519	76	1326216	90.271	ug/l	99
17) Allyl chloride	4.832	41	821455	83.306	ug/l	94
18) Methylene Chloride	5.090	84	584558	98.608	ug/l	89
19) trans-1,2-Dichloroethene	5.591	96	562479	106.397	ug/l	85
20) Diisopropyl ether	6.501	45	2096204	105.540	ug/l	# 95
21) 1,1-Dichloroethane	6.388	63	1043130	94.051	ug/l	98
22) cis-1,2-Dichloroethene	7.327	96	676240	106.419	ug/l	88
23) tert-Butyl Alcohol	5.393	59	523014	418.367	ug/l	# 100
24) Methyl tert-Butyl Ether	5.618	73	2024855	101.096	ug/l	93
25) Chloroform	7.820	83	1202533	103.691	ug/l	100
26) Cyclohexane	8.096	56	943691	97.637	ug/l	# 89
29) 1,1-Dichloropropene	8.222	75	867110	113.830	ug/l	95
30) 2-Butanone	7.340	43	2031211	534.751	ug/l	95
31) 2,2-Dichloropropane	7.327	77	902941	111.574	ug/l	96
32) 1,1,1-Trichloroethane	8.016	97	1083172	113.373	ug/l	96
33) Carbon Tetrachloride	8.206	117	954375	118.466	ug/l	97
34) Benzene	8.461	78	2717001	124.675	ug/l	# 92
35) Methacrylonitrile	7.640	41	450050	110.924	ug/l	92
36) 1,2-Dichloroethane	8.531	62	980037	108.495	ug/l	97
37) Trichloroethene	9.217	130	647373	122.436	ug/l	89
38) Methylcyclohexane	9.461	83	936163	117.072	ug/l	91
39) 1,2-Dichloropropane	9.491	63	652325	111.762	ug/l	99
40) Dibromomethane	9.577	93	504777	124.498	ug/l	93
41) Bromodichloromethane	9.765	83	971991	115.161	ug/l	100
42) Vinyl Acetate	6.436	43	9111255	570.204	ug/l	# 95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.418	43	870249m	113.399	ug/l	
44) Isopropyl Acetate	8.566	43	1554664	108.374	ug/l	97
45) 1,4-Dioxane	9.574	88	256819	2704.022	ug/l #	88
46) Methyl methacrylate	9.563	41	675501	106.356	ug/l	91
47) n-amyl Acetate	12.390	43	1387597	114.867	ug/l	97
48) t-1,3-Dichloropropene	10.722	75	1125537	122.313	ug/l	98
49) cis-1,3-Dichloropropene	10.191	75	1157556	122.847	ug/l	90
50) 1,1,2-Trichloroethane	10.902	97	734555	137.517	ug/l	98
51) Ethyl methacrylate	10.765	69	1202426	128.871	ug/l	89
52) 1,3-Dichloropropane	11.047	76	1198860	125.809	ug/l	99
53) Dibromochloromethane	11.242	129	844711	144.927	ug/l	99
54) 1,2-Dibromoethane	11.350	107	786557	141.204	ug/l	100
55) 2-Chloroethyl vinyl ether	10.043	63	1313329	584.773	ug/l	96
56) Bromoform	12.463	173	618881	157.790	ug/l #	99
58) 4-Methyl-2-Pentanone	10.336	43	4972024	517.602	ug/l	95
59) 2-Hexanone	11.089	43	3526344	511.939	ug/l	93
61) Tetrachloroethene	10.979	164	665971	121.197	ug/l	98
62) Toluene	10.507	91	3295178	119.312	ug/l	100
64) Chlorobenzene	11.773	112	2009433	123.552	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.846	131	772935	127.180	ug/l	100
66) Ethyl Benzene	11.848	91	3709781	117.044	ug/l	96
67) m/p-Xylenes	11.956	106	2873675	250.818	ug/l	85
68) o-Xylene	12.283	106	1423518	124.146	ug/l	85
69) Styrene	12.296	104	2423139	127.912	ug/l	93
70) Isopropylbenzene	12.583	105	3687663	126.147	ug/l	97
71) 1,1,2,2-Tetrachloroethane	12.830	83	1061629	119.794	ug/l	99
72) 1,2,3-Trichloropropane	12.884	75	798785m	93.919	ug/l	
73) Bromobenzene	12.865	156	860519	137.848	ug/l	72
74) n-propylbenzene	12.924	91	4151684	119.617	ug/l	95
75) 2-Chlorotoluene	13.010	91	2487576	113.925	ug/l #	100
76) 1,3,5-Trimethylbenzene	13.063	105	3039029	122.501	ug/l	96
77) t-1,4-Dichloro-2-butene	12.629	75	342929	122.037	ug/l	90
78) 4-Chlorotoluene	13.109	91	2512320	116.468	ug/l	89
79) tert-butylbenzene	13.326	119	2575256	128.231	ug/l	87
80) 1,2,4-Trimethylbenzene	13.372	105	3012458m	123.609	ug/l	
81) sec-Butylbenzene	13.506	105	3504511	125.549	ug/l	95
82) p-Isopropyltoluene	13.618	119	2931522	130.180	ug/l	93
83) 1,3-Dichlorobenzene	13.618	146	1587048	140.431	ug/l	93
84) 1,4-Dichlorobenzene	13.696	146	1550127	137.489	ug/l	95
85) n-Butylbenzene	13.946	91	2419783	119.367	ug/l	97
86) Hexachloroethane	14.214	117	530912	121.282	ug/l	99
87) 1,2-Dichlorobenzene	13.991	146	1520620	139.089	ug/l	94
88) 1,2-Dibromo-3-Chloropr...	14.605	75	201105	98.551	ug/l #	64
89) 1,2,4-Trichlorobenzene	15.268	180	705170	133.319	ug/l	98
90) Hexachlorobutadiene	15.375	225	299548	109.159	ug/l	97
91) Naphthalene	15.509	128	2286777	132.582	ug/l	99
92) 1,2,3-Trichlorobenzene	15.702	180	675038	131.243	ug/l	97

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

