

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061121\
 Data File : VN067305.D
 Acq On : 11 Jun 2021 23:35
 Operator : JC/MD
 Sample : VSTDIC150
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Manual Integrations
 APPROVED

MMDadoda
 6/14/2021 4:11:41 PM

Quant Time: Jun 12 09:01:13 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N061121W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Sat Jun 12 08:57:05 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.657	128	70689	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.968	114	429860	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.747	117	399738	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.437	65	218514	33.925	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 113.100%#			
60) 4-Bromofluorobenzene	12.734	95	235391	33.164	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 110.533%			
63) Toluene-d8	10.446	98	559724	30.786	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 102.633%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.067	85	809285	212.086	ug/l	98
3) Chloromethane	2.298	50	850981	176.140	ug/l	100
4) Vinyl Chloride	2.440	62	861404	172.049	ug/l	96
5) Bromomethane	2.816	94	385273	116.876	ug/l	92
6) Chloroethane	2.990	64	489783	166.673	ug/l	92
7) Trichlorofluoromethane	3.357	101	1141980	153.878	ug/l	97
8) Diethyl Ether	3.816	74	459482	175.244	ug/l	95
9) 1,1,2-Trichlorotrifluo...	4.194	101	672048	201.001	ug/l	98
10) 1,1-Dichloroethene	4.167	96	665589	181.095	ug/l	93
11) Methyl Iodide	4.411	142	864041	160.826	ug/l	99
12) Methyl Acetate	4.854	43	972217	229.034	ug/l	99
13) Acrolein	4.036	56	600250	883.550	ug/l	99
14) Acrylonitrile	5.557	53	2087488	1051.814	ug/l	99
15) Acetone	4.291	58	509395	918.671	ug/l	96
16) Carbon Disulfide	4.519	76	2113136	193.140	ug/l	99
17) Allyl chloride	4.832	41	1431136	207.651	ug/l	98
18) Methylene Chloride	5.090	84	789430	174.938	ug/l	98
19) trans-1,2-Dichloroethene	5.591	96	721750	173.411	ug/l	97
20) Diisopropyl ether	6.501	45	2877167	214.815	ug/l	98
21) 1,1-Dichloroethane	6.383	63	1535867	187.223	ug/l	99
22) cis-1,2-Dichloroethene	7.327	96	845623	168.021	ug/l	98
23) tert-Butyl Alcohol	5.393	59	875998	1005.950	ug/l #	100
24) Methyl tert-Butyl Ether	5.621	73	2813650	187.571	ug/l	99
25) Chloroform	7.817	83	1572857	179.496	ug/l	100
26) Cyclohexane	8.094	56	1333482	206.800	ug/l #	99
29) 1,1-Dichloropropene	8.222	75	1190886	182.503	ug/l	98
30) 2-Butanone	7.340	43	3073142	1109.617	ug/l	98
31) 2,2-Dichloropropane	7.324	77	1214126	147.349	ug/l	99
32) 1,1,1-Trichloroethane	8.013	97	1475471	174.199	ug/l	98
33) Carbon Tetrachloride	8.206	117	1270750	176.435	ug/l	97
34) Benzene	8.461	78	3301378	168.769	ug/l	95
35) Methacrylonitrile	7.640	41	637982	203.082	ug/l	98
36) 1,2-Dichloroethane	8.531	62	1415532	177.004	ug/l	98
37) Trichloroethene	9.217	130	781503	150.764	ug/l	98
38) Methylcyclohexane	9.462	83	1201103	172.803	ug/l	100
39) 1,2-Dichloropropane	9.491	63	897039	178.127	ug/l	98
40) Dibromomethane	9.580	93	610656	177.676	ug/l	98
41) Bromodichloromethane	9.765	83	1339245	174.368	ug/l	100
42) Vinyl Acetate	6.436	43	12987546	1057.206	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.418	43	1245091	205.699	ug/l #	66
44) Isopropyl Acetate	8.566	43	2314066	218.424	ug/l	99
45) 1,4-Dioxane	9.574	88	295766	3427.409	ug/l #	90
46) Methyl methacrylate	9.563	41	1062781	217.613	ug/l	97
47) n-amyl Acetate	12.390	43	2046398	255.334	ug/l	99
48) t-1,3-Dichloropropene	10.722	75	1524999	173.769	ug/l	99
49) cis-1,3-Dichloropropene	10.191	75	1510427	168.157	ug/l	99
50) 1,1,2-Trichloroethane	10.902	97	803790	169.011	ug/l	96
51) Ethyl methacrylate	10.765	69	1509693	201.207	ug/l	98
52) 1,3-Dichloropropane	11.047	76	1483739	177.173	ug/l	100
53) Dibromochloromethane	11.242	129	922668	161.553	ug/l	99
54) 1,2-Dibromoethane	11.350	107	849950	170.400	ug/l	100
55) 2-Chloroethyl vinyl ether	10.044	63	2035579	848.349	ug/l	100
56) Bromoform	12.460	173	651319	172.419	ug/l #	99
58) 4-Methyl-2-Pentanone	10.336	43	6807634	1161.384	ug/l	99
59) 2-Hexanone	11.089	43	4972002	1199.546	ug/l	100
61) Tetrachloroethene	10.980	164	661693	131.258	ug/l	96
62) Toluene	10.508	91	3627629	171.228	ug/l	100
64) Chlorobenzene	11.773	112	2180107	161.787	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.843	131	811580	156.635	ug/l	100
66) Ethyl Benzene	11.848	91	4235808	173.873	ug/l	100
67) m/p-Xylenes	11.956	106	3021517	326.130	ug/l	98
68) o-Xylene	12.283	106	1490064	163.444	ug/l	99
69) Styrene	12.296	104	2581745	171.164	ug/l	99
70) Isopropylbenzene	12.581	105	3912546	164.457	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.830	83	1205901	183.644	ug/l	99
72) 1,2,3-Trichloropropane	12.884	75	1187077m	179.840	ug/l	
73) Bromobenzene	12.862	156	820270	146.951	ug/l	99
74) n-propylbenzene	12.924	91	4740958	177.499	ug/l	99
75) 2-Chlorotoluene	13.010	91	2966612	173.913	ug/l #	100
76) 1,3,5-Trimethylbenzene	13.061	105	3292286	155.847	ug/l	100
77) t-1,4-Dichloro-2-butene	12.629	75	436182	187.147	ug/l	98
78) 4-Chlorotoluene	13.106	91	3004063	173.973	ug/l	100
79) tert-butylbenzene	13.326	119	2645469	151.497	ug/l	100
80) 1,2,4-Trimethylbenzene	13.369	105	3242652m	155.714	ug/l	
81) sec-Butylbenzene	13.503	105	3740646	168.117	ug/l	99
82) p-Isopropyltoluene	13.619	119	3018567	147.058	ug/l	100
83) 1,3-Dichlorobenzene	13.616	146	1494865	153.709	ug/l	97
84) 1,4-Dichlorobenzene	13.696	146	1493408	157.437	ug/l	100
85) n-Butylbenzene	13.943	91	2828004	169.067	ug/l	99
86) Hexachloroethane	14.211	117	633520	187.594	ug/l	99
87) 1,2-Dichlorobenzene	13.991	146	1431567	149.320	ug/l	100
88) 1,2-Dibromo-3-Chloropr...	14.606	75	297650	185.058	ug/l	96
89) 1,2,4-Trichlorobenzene	15.265	180	772208	147.564	ug/l	99
90) Hexachlorobutadiene	15.373	225	388842	163.338	ug/l	97
91) Naphthalene	15.507	128	2584292	166.812	ug/l	99
92) 1,2,3-Trichlorobenzene	15.702	180	751272	143.330	ug/l	97

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

