

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN070921\
 Data File : VN067682.D
 Acq On : 9 Jul 2021 13:46
 Operator : JC/MD
 Sample : VN0709WBSD01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0709WBSD01

Manual Integrations
 APPROVED

MMDadoda
 7/12/2021 5:44:37 PM

Quant Time: Jul 10 05:18:23 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	66958	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.968	114	400423	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.747	117	389091	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.440	65	177532	32.811	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 109.367%			
60) 4-Bromofluorobenzene	12.734	95	195114	30.825	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 102.733%			
63) Toluene-d8	10.443	98	526665	29.582	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 98.600%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.073	85	75377	18.178	ug/l	99
3) Chloromethane	2.301	50	93837	18.800	ug/l	98
4) Vinyl Chloride	2.443	62	145883	18.569	ug/l	94
5) Bromomethane	2.853	94	121075	19.105	ug/l	89
6) Chloroethane	3.017	64	109956	18.980	ug/l	91
7) Trichlorofluoromethane	3.371	101	270433	18.056	ug/l	97
8) Diethyl Ether	3.821	74	46752	12.000	ug/l	92
9) 1,1,2-Trichlorotrifluo...	4.205	101	73660	22.342	ug/l	76
10) 1,1-Dichloroethene	4.175	96	68334	21.004	ug/l	89
11) Methyl Iodide	4.419	142	88724	20.480	ug/l	92
12) Methyl Acetate	4.859	43	91336	21.878	ug/l	96
13) Acrolein	4.039	56	65632m	111.481	ug/l	
14) Acrylonitrile	5.559	53	202525	104.438	ug/l	98
15) Acetone	4.296	58	51662	113.729	ug/l	86
16) Carbon Disulfide	4.524	76	185310	19.830	ug/l	97
17) Allyl chloride	4.838	41	117812	20.537	ug/l	88
18) Methylene Chloride	5.095	84	87836	20.809	ug/l	90
19) trans-1,2-Dichloroethene	5.597	96	77809	19.890	ug/l	89
20) Diisopropyl ether	6.501	45	269477	19.424	ug/l	96
21) 1,1-Dichloroethane	6.388	63	150756	20.345	ug/l	97
22) cis-1,2-Dichloroethene	7.329	96	95024	19.863	ug/l	93
23) tert-Butyl Alcohol	5.382	59	76282m	103.377	ug/l	
24) Methyl tert-Butyl Ether	5.616	73	269618	19.724	ug/l	94
25) Chloroform	7.820	83	167136	20.012	ug/l	97
26) Cyclohexane	8.094	56	134682	20.121	ug/l #	92
29) 1,1-Dichloropropene	8.222	75	123307	19.651	ug/l	97
30) 2-Butanone	7.340	43	285272	99.632	ug/l	95
31) 2,2-Dichloropropane	7.327	77	131769	19.727	ug/l	97
32) 1,1,1-Trichloroethane	8.016	97	145859	18.550	ug/l	98
33) Carbon Tetrachloride	8.204	117	120635	18.098	ug/l	98
34) Benzene	8.461	78	368526	19.051	ug/l	97
35) Methacrylonitrile	7.638	41	60295	19.364	ug/l	93
36) 1,2-Dichloroethane	8.531	62	138789	19.503	ug/l	97
37) Trichloroethene	9.217	130	92094	19.022	ug/l	88
38) Methylcyclohexane	9.462	83	136616	19.585	ug/l	94
39) 1,2-Dichloropropane	9.491	63	92095	19.043	ug/l	98
40) Dibromomethane	9.580	93	68681	19.207	ug/l	95
41) Bromodichloromethane	9.765	83	128650	18.539	ug/l	96
42) Vinyl Acetate	6.436	43	1168055m	93.142	ug/l	

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.418	43	104647	16.839	ug/l #	65
44) Isopropyl Acetate	8.566	43	206784	18.778	ug/l	97
45) 1,4-Dioxane	9.574	88	30497	353.074	ug/l #	94
46) Methyl methacrylate	9.563	41	87551	18.560	ug/l	92
47) n-amyl Acetate	12.390	43	168233	18.165	ug/l	95
48) t-1,3-Dichloropropene	10.722	75	136192	18.242	ug/l	99
49) cis-1,3-Dichloropropene	10.191	75	146371	18.598	ug/l	93
50) 1,1,2-Trichloroethane	10.902	97	96367	19.073	ug/l	97
51) Ethyl methacrylate	10.762	69	145341	18.258	ug/l	95
52) 1,3-Dichloropropane	11.047	76	157939	18.923	ug/l	98
53) Dibromochloromethane	11.242	129	93054	17.092	ug/l	100
54) 1,2-Dibromoethane	11.347	107	98271	18.640	ug/l	100
55) 2-Chloroethyl vinyl ether	10.044	63	139041	82.111	ug/l	96
56) Bromoform	12.460	173	60164	15.873	ug/l #	99
58) 4-Methyl-2-Pentanone	10.333	43	649342	95.900	ug/l	97
59) 2-Hexanone	11.087	43	460911	97.720	ug/l	97
61) Tetrachloroethene	10.980	164	91300	19.045	ug/l	99
62) Toluene	10.508	91	431959	18.874	ug/l	99
64) Chlorobenzene	11.773	112	259966	19.171	ug/l	98
65) 1,1,1,2-Tetrachloroethane	11.843	131	93492	18.501	ug/l	99
66) Ethyl Benzene	11.846	91	481626	19.095	ug/l	97
67) m/p-Xylenes	11.956	106	368622	37.646	ug/l	88
68) o-Xylene	12.283	106	181319	18.588	ug/l	87
69) Styrene	12.296	104	295764	18.460	ug/l	94
70) Isopropylbenzene	12.581	105	461786	18.502	ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.830	83	136679	19.042	ug/l	99
72) 1,2,3-Trichloropropane	12.884	75	125958m	20.165	ug/l	
73) Bromobenzene	12.862	156	101648	17.967	ug/l	79
74) n-propylbenzene	12.924	91	538177	19.078	ug/l	97
75) 2-Chlorotoluene	13.010	91	325568	19.195	ug/l #	100
76) 1,3,5-Trimethylbenzene	13.061	105	391222	18.981	ug/l	96
77) t-1,4-Dichloro-2-butene	12.629	75	33576	16.395	ug/l	97
78) 4-Chlorotoluene	13.109	91	321558	19.061	ug/l	93
79) tert-butylbenzene	13.326	119	317495	18.314	ug/l	89
80) 1,2,4-Trimethylbenzene	13.372	105	387863m	19.103	ug/l	
81) sec-Butylbenzene	13.503	105	451421	18.939	ug/l	96
82) p-Isopropyltoluene	13.619	119	369803	18.919	ug/l	93
83) 1,3-Dichlorobenzene	13.619	146	193215	18.400	ug/l	95
84) 1,4-Dichlorobenzene	13.696	146	185777	18.267	ug/l	95
85) n-Butylbenzene	13.946	91	312183	19.326	ug/l	97
86) Hexachloroethane	14.211	117	58241	17.468	ug/l	95
87) 1,2-Dichlorobenzene	13.991	146	185891	18.371	ug/l	95
88) 1,2-Dibromo-3-Chloropr...	14.606	75	22971	17.903	ug/l #	70
89) 1,2,4-Trichlorobenzene	15.268	180	81865	18.792	ug/l	96
90) Hexachlorobutadiene	15.375	225	39431	19.532	ug/l	96
91) Naphthalene	15.509	128	231883	17.274	ug/l	99
92) 1,2,3-Trichlorobenzene	15.705	180	77280	18.599	ug/l	98

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

