

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071421\
 Data File : VN067739.D
 Acq On : 14 Jul 2021 13:26
 Operator : JC/MD
 Sample : VN0714WBSD02
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0714WBSD02

Manual Integrations
 APPROVED

MMDadoda
 7/16/2021 10:43:16 AM

Quant Time: Jul 14 17:16:05 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N071421W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Jul 14 01:19:19 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.656	128	67851	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.968	114	399033	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.746	117	383230	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.440	65	177543	32.389	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 107.967%			
60) 4-Bromofluorobenzene	12.733	95	179483	28.838	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 96.133%			
63) Toluene-d8	10.443	98	524106	29.734	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 99.100%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.073	85	65262	18.821	ug/l	97
3) Chloromethane	2.301	50	83064	19.179	ug/l	94
4) Vinyl Chloride	2.443	62	129860	19.274	ug/l	99
5) Bromomethane	2.861	94	112132	19.988	ug/l	97
6) Chloroethane	3.022	64	101891	20.307	ug/l	99
7) Trichlorofluoromethane	3.373	101	254942	20.392	ug/l	98
8) Diethyl Ether	3.824	74	47964	20.624	ug/l	96
9) 1,1,2-Trichlorotrifluo...	4.202	101	69933	19.679	ug/l	74
10) 1,1-Dichloroethene	4.178	96	63315	19.237	ug/l	98
11) Methyl Iodide	4.414	142	80129	18.414	ug/l	99
12) Methyl Acetate	4.856	43	92210	20.525	ug/l	99
13) Acrolein	4.038	56	48413	102.883	ug/l #	43
14) Acrylonitrile	5.559	53	192918	97.661	ug/l	98
15) Acetone	4.291	58	46683	95.334	ug/l	92
16) Carbon Disulfide	4.527	76	157156	18.082	ug/l	98
17) Allyl chloride	4.838	41	110857	19.141	ug/l	98
18) Methylene Chloride	5.092	84	84360	18.521	ug/l	97
19) trans-1,2-Dichloroethene	5.594	96	73224	18.658	ug/l	94
20) Diisopropyl ether	6.500	45	261598	19.076	ug/l	97
21) 1,1-Dichloroethane	6.385	63	144030	19.092	ug/l	99
22) cis-1,2-Dichloroethene	7.327	96	90674	18.724	ug/l	97
23) tert-Butyl Alcohol	5.390	59	73106	100.401	ug/l #	100
24) Methyl tert-Butyl Ether	5.618	73	266995	19.647	ug/l	100
25) Chloroform	7.820	83	161061	19.186	ug/l	98
26) Cyclohexane	8.094	56	121421	18.472	ug/l #	99
29) 1,1-Dichloropropene	8.222	75	113381	18.110	ug/l	99
30) 2-Butanone	7.340	43	268789	92.709	ug/l	100
31) 2,2-Dichloropropane	7.327	77	123214	17.641	ug/l	99
32) 1,1,1-Trichloroethane	8.013	97	138218	17.978	ug/l	99
33) Carbon Tetrachloride	8.206	117	114358	17.420	ug/l	99
34) Benzene	8.461	78	345356	18.454	ug/l	98
35) Methacrylonitrile	7.643	41	54892	18.418	ug/l	97
36) 1,2-Dichloroethane	8.533	62	133953	19.228	ug/l	98
37) Trichloroethene	9.217	130	87336	17.963	ug/l	96
38) Methylcyclohexane	9.461	83	127274	18.354	ug/l	98
39) 1,2-Dichloropropane	9.491	63	86412	18.106	ug/l	98
40) Dibromomethane	9.577	93	62931	18.337	ug/l	97
41) Bromodichloromethane	9.764	83	122890	18.242	ug/l	98
42) Vinyl Acetate	6.436	43	1107776m	96.043	ug/l	

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.415	43	113394	19.346	ug/l	98
44) Isopropyl Acetate	8.563	43	197665	18.573	ug/l	99
45) 1,4-Dioxane	9.574	88	29681	368.281	ug/l	97
46) Methyl methacrylate	9.561	41	83075	18.082	ug/l	98
47) n-amyl Acetate	12.390	43	154964	17.738	ug/l	100
48) t-1,3-Dichloropropene	10.722	75	127189	17.520	ug/l	98
49) cis-1,3-Dichloropropene	10.191	75	139089	18.049	ug/l	98
50) 1,1,2-Trichloroethane	10.902	97	91263	18.635	ug/l	98
51) Ethyl methacrylate	10.762	69	135516	17.794	ug/l	99
52) 1,3-Dichloropropane	11.046	76	152930	18.885	ug/l	98
53) Dibromochloromethane	11.240	129	88553	17.273	ug/l	99
54) 1,2-Dibromoethane	11.347	107	91706	18.153	ug/l	97
55) 2-Chloroethyl vinyl ether	10.043	63	115563	78.454	ug/l	99
56) Bromoform	12.460	173	57045	15.882	ug/l #	99
58) 4-Methyl-2-Pentanone	10.333	43	619969	94.214	ug/l	99
59) 2-Hexanone	11.087	43	428619	92.898	ug/l	99
61) Tetrachloroethene	10.979	164	88056	18.705	ug/l	96
62) Toluene	10.507	91	404568	17.948	ug/l	99
64) Chlorobenzene	11.773	112	244094	18.081	ug/l	98
65) 1,1,1,2-Tetrachloroethane	11.843	131	88570	17.807	ug/l	98
66) Ethyl Benzene	11.846	91	445911	17.877	ug/l	99
67) m/p-Xylenes	11.956	106	339882	35.724	ug/l	99
68) o-Xylene	12.283	106	166330	17.711	ug/l	100
69) Styrene	12.296	104	274436	17.671	ug/l	99
70) Isopropylbenzene	12.581	105	427176	17.625	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.830	83	128757	18.712	ug/l	100
72) 1,2,3-Trichloropropane	12.881	75	117094m	20.469	ug/l	
73) Bromobenzene	12.862	156	96034	17.240	ug/l	99
74) n-propylbenzene	12.924	91	496091	17.864	ug/l	99
75) 2-Chlorotoluene	13.010	91	302061	18.122	ug/l	100
76) 1,3,5-Trimethylbenzene	13.061	105	362621	18.173	ug/l	99
77) t-1,4-Dichloro-2-butene	12.629	75	30300	15.695	ug/l	96
78) 4-Chlorotoluene	13.106	91	300166	18.062	ug/l	99
79) tert-butylbenzene	13.326	119	302853	17.677	ug/l	98
80) 1,2,4-Trimethylbenzene	13.369	105	353159m	17.824	ug/l	
81) sec-Butylbenzene	13.503	105	421243	17.724	ug/l	99
82) p-Isopropyltoluene	13.618	119	343281	17.354	ug/l	99
83) 1,3-Dichlorobenzene	13.618	146	178867	17.194	ug/l	99
84) 1,4-Dichlorobenzene	13.696	146	176484	17.416	ug/l	100
85) n-Butylbenzene	13.946	91	290155	17.681	ug/l	99
86) Hexachloroethane	14.211	117	53494	16.256	ug/l	98
87) 1,2-Dichlorobenzene	13.991	146	174093	17.529	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	14.605	75	22701	18.440	ug/l	99
89) 1,2,4-Trichlorobenzene	15.265	180	73836	16.305	ug/l	98
90) Hexachlorobutadiene	15.372	225	37745	17.341	ug/l	97
91) Naphthalene	15.509	128	200371	15.575	ug/l	99
92) 1,2,3-Trichlorobenzene	15.702	180	69584	16.039	ug/l	99

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

