

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112221\
 Data File : VN069604.D
 Acq On : 22 Nov 2021 12:38
 Operator : JC/MD
 Sample : VN1122WBS01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1122WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 11/23/2021
 Supervised By : Mahesh Dadoda 11/23/2021

Quant Time: Nov 23 03:49:44 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N111021W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Nov 10 14:36:17 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.659	128	175870	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.968	114	998496	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.744	117	904432	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.437	65	478124	31.347	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 104.500%			
60) 4-Bromofluorobenzene	12.731	95	429640	29.685	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 98.933%			
63) Toluene-d8	10.443	98	1279137	30.631	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 102.100%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.073	85	284140	21.864	ug/l	98
3) Chloromethane	2.306	50	293012	21.625	ug/l	94
4) Vinyl Chloride	2.448	62	282731	20.578	ug/l	99
5) Bromomethane	2.867	94	170123	19.334	ug/l	95
6) Chloroethane	3.028	64	172430	19.892	ug/l	98
7) Trichlorofluoromethane	3.376	101	381109	18.925	ug/l	97
8) Diethyl Ether	3.827	74	131114	20.626	ug/l	76
9) 1,1,2-Trichlorotrifluo...	4.205	101	209325m	22.463	ug/l	
10) 1,1-Dichloroethene	4.181	96	187822	21.371	ug/l	83
11) Methyl Iodide	4.420	142	256431	20.941	ug/l	96
12) Methyl Acetate	4.857	43	527507	20.841	ug/l	91
13) Acrolein	4.041	56	78517	112.826	ug/l	99
14) Acrylonitrile	5.557	53	705867	102.218	ug/l	99
15) Acetone	4.288	58	247889	107.732	ug/l	81
16) Carbon Disulfide	4.529	76	441421	20.093	ug/l	98
17) Allyl chloride	4.841	41	394214	21.104	ug/l	90
18) Methylene Chloride	5.095	84	235311	21.016	ug/l #	86
19) trans-1,2-Dichloroethene	5.597	96	199555	20.691	ug/l	89
20) Diisopropyl ether	6.498	45	844265	21.093	ug/l #	96
21) 1,1-Dichloroethane	6.388	63	428427	21.098	ug/l	99
22) cis-1,2-Dichloroethene	7.327	96	242505	20.273	ug/l	92
23) tert-Butyl Alcohol	5.377	59	224166	93.275	ug/l #	100
24) Methyl tert-Butyl Ether	5.618	73	729777	20.719	ug/l	95
25) Chloroform	7.820	83	437647	20.844	ug/l	99
26) Cyclohexane	8.096	56	410556	21.295	ug/l #	85
29) 1,1-Dichloropropene	8.223	75	313593	20.574	ug/l	96
30) 2-Butanone	7.337	43	1126501	102.107	ug/l	91
31) 2,2-Dichloropropane	7.324	77	329947	20.476	ug/l	96
32) 1,1,1-Trichloroethane	8.016	97	360864	20.280	ug/l	93
33) Carbon Tetrachloride	8.206	117	303579	20.657	ug/l	95
34) Benzene	8.461	78	965274	20.825	ug/l #	95
35) Methacrylonitrile	7.635	41	203009	20.063	ug/l	91
36) 1,2-Dichloroethane	8.531	62	381267	21.336	ug/l	98
37) Trichloroethene	9.215	130	229819	20.523	ug/l	92
38) Methylcyclohexane	9.462	83	390155	20.690	ug/l	88
39) 1,2-Dichloropropane	9.491	63	258483	21.056	ug/l	97
40) Dibromomethane	9.577	93	167107	20.325	ug/l	96
41) Bromodichloromethane	9.762	83	315970	20.475	ug/l	95
42) Vinyl Acetate	6.436	43	3202504	102.716	ug/l #	94

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.415	43	416336	20.363	ug/l	96
44) Isopropyl Acetate	8.560	43	657491	20.627	ug/l	96
45) 1,4-Dioxane	9.572	88	98786	381.781	ug/l	88
46) Methyl methacrylate	9.561	41	293187	19.971	ug/l	83
47) n-amyl Acetate	12.390	43	403719	16.494	ug/l	100
48) t-1,3-Dichloropropene	10.719	75	311516	18.810	ug/l	99
49) cis-1,3-Dichloropropene	10.191	75	361623	20.066	ug/l	94
50) 1,1,2-Trichloroethane	10.899	97	230753	19.765	ug/l	94
51) Ethyl methacrylate	10.762	69	367826	18.791	ug/l	90
52) 1,3-Dichloropropane	11.047	76	407942	20.228	ug/l	99
53) Dibromochloromethane	11.240	129	214650	19.240	ug/l	98
54) 1,2-Dibromoethane	11.347	107	235566	19.482	ug/l	96
55) 2-Chloroethyl vinyl ether	10.044	63	525856	118.105	ug/l	97
56) Bromoform	12.460	173	142691	17.836	ug/l #	100
58) 4-Methyl-2-Pentanone	10.331	43	2113167	106.441	ug/l #	94
59) 2-Hexanone	11.087	43	1492456	98.828	ug/l	95
61) Tetrachloroethene	10.980	164	209528	21.585	ug/l	93
62) Toluene	10.505	91	1036626	20.858	ug/l	99
64) Chlorobenzene	11.771	112	597951	20.053	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.843	131	214410	20.424	ug/l	100
66) Ethyl Benzene	11.846	91	1123822	20.429	ug/l	99
67) m/p-Xylenes	11.953	106	836720	40.951	ug/l	96
68) o-Xylene	12.280	106	409072	19.996	ug/l	94
69) Styrene	12.296	104	647368	19.518	ug/l	97
70) Isopropylbenzene	12.581	105	1082877	20.239	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.827	83	362369	20.525	ug/l	97
72) 1,2,3-Trichloropropane	12.881	75	313277m	18.215	ug/l	
73) Bromobenzene	12.862	156	242420	19.656	ug/l	93
74) n-propylbenzene	12.921	91	1206900	19.641	ug/l	99
75) 2-Chlorotoluene	13.007	91	756855	20.234	ug/l	96
76) 1,3,5-Trimethylbenzene	13.061	105	876836	19.967	ug/l	99
77) t-1,4-Dichloro-2-butene	12.626	75	77858	16.771	ug/l	76
78) 4-Chlorotoluene	13.106	91	699361	19.524	ug/l	94
79) tert-butylbenzene	13.324	119	758468	19.635	ug/l	98
80) 1,2,4-Trimethylbenzene	13.369	105	847798m	19.791	ug/l	
81) sec-Butylbenzene	13.503	105	1051953	19.463	ug/l	100
82) p-Isopropyltoluene	13.616	119	822827	19.080	ug/l	100
83) 1,3-Dichlorobenzene	13.616	146	412891	19.580	ug/l	100
84) 1,4-Dichlorobenzene	13.696	146	391971	19.161	ug/l	99
85) n-Butylbenzene	13.943	91	617731	17.163	ug/l	99
86) Hexachloroethane	14.211	117	133401	18.691	ug/l	90
87) 1,2-Dichlorobenzene	13.989	146	400469	19.678	ug/l	100
88) 1,2-Dibromo-3-Chloropr...	14.606	75	58240	18.845	ug/l	98
89) 1,2,4-Trichlorobenzene	15.265	180	156692	16.058	ug/l	97
90) Hexachlorobutadiene	15.373	225	108533	20.568	ug/l	98
91) Naphthalene	15.509	128	381828	13.583	ug/l	100
92) 1,2,3-Trichlorobenzene	15.703	180	154775	16.135	ug/l	99

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

