

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112621\
 Data File : VN069652.D
 Acq On : 26 Nov 2021 12:12
 Operator : JC/MD
 Sample : VN1126WBSD01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1126WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 11/29/2021
 Supervised By : Mahesh Dadoda 11/29/2021

Quant Time: Nov 29 00:16:18 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	184138	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.968	114	1053358	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.744	117	956040	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.440	65	505702	31.666	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	= 105.567%	
60) 4-Bromofluorobenzene	12.731	95	456890	29.863	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	= 99.533%	
63) Toluene-d8	10.440	98	1340321	30.363	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	= 101.200%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.075	85	308923	22.704	ug/l	99
3) Chloromethane	2.306	50	320702	22.606	ug/l	97
4) Vinyl Chloride	2.448	62	301975	20.992	ug/l	100
5) Bromomethane	2.869	94	176709	19.181	ug/l	97
6) Chloroethane	3.027	64	183788	20.250	ug/l	98
7) Trichlorofluoromethane	3.379	101	408919	19.394	ug/l	100
8) Diethyl Ether	3.827	74	152418	22.901	ug/l	78
9) 1,1,2-Trichlorotrifluo...	4.207	101	228652	23.435	ug/l #	71
10) 1,1-Dichloroethene	4.183	96	204751	22.251	ug/l	86
11) Methyl Iodide	4.422	142	291683	22.750	ug/l	96
12) Methyl Acetate	4.859	43	588550	22.209	ug/l #	88
13) Acrolein	4.047	56	90005	123.527	ug/l	99
14) Acrylonitrile	5.557	53	790120	109.282	ug/l	99
15) Acetone	4.291	58	251029	104.198	ug/l	77
16) Carbon Disulfide	4.532	76	487257	21.184	ug/l	98
17) Allyl chloride	4.843	41	439150	22.454	ug/l	87
18) Methylene Chloride	5.095	84	260498	22.221	ug/l #	87
19) trans-1,2-Dichloroethene	5.599	96	223316	22.115	ug/l	87
20) Diisopropyl ether	6.498	45	952884	22.737	ug/l #	95
21) 1,1-Dichloroethane	6.388	63	476771	22.425	ug/l	99
22) cis-1,2-Dichloroethene	7.327	96	273226	21.816	ug/l	91
23) tert-Butyl Alcohol	5.380	59	255304	101.461	ug/l #	100
24) Methyl tert-Butyl Ether	5.621	73	827590	22.441	ug/l	94
25) Chloroform	7.820	83	495334	22.533	ug/l	99
26) Cyclohexane	8.094	56	448064	22.197	ug/l #	86
29) 1,1-Dichloropropene	8.222	75	349729	21.750	ug/l	96
30) 2-Butanone	7.337	43	1213538	104.267	ug/l #	89
31) 2,2-Dichloropropane	7.327	77	366208	21.543	ug/l	97
32) 1,1,1-Trichloroethane	8.013	97	397795	21.192	ug/l	94
33) Carbon Tetrachloride	8.206	117	336525	21.706	ug/l	98
34) Benzene	8.458	78	1065365	21.787	ug/l #	94
35) Methacrylonitrile	7.638	41	234057	21.926	ug/l	89
36) 1,2-Dichloroethane	8.531	62	422809	22.428	ug/l	98
37) Trichloroethene	9.217	130	254623	21.554	ug/l	90
38) Methylcyclohexane	9.459	83	434550	21.844	ug/l	89
39) 1,2-Dichloropropane	9.491	63	286853	22.150	ug/l	98
40) Dibromomethane	9.577	93	186830	21.541	ug/l	96
41) Bromodichloromethane	9.762	83	356986	21.928	ug/l	95
42) Vinyl Acetate	6.436	43	3644466m	110.803	ug/l	

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.415	43	452828	20.994	ug/l	99
44) Isopropyl Acetate	8.563	43	724372	21.542	ug/l	95
45) 1,4-Dioxane	9.571	88	106780	391.182	ug/l #	86
46) Methyl methacrylate	9.561	41	334171	21.577	ug/l	82
47) n-amyl Acetate	12.390	43	463767	17.960	ug/l	99
48) t-1,3-Dichloropropene	10.719	75	363782	20.822	ug/l	98
49) cis-1,3-Dichloropropene	10.188	75	406374	21.375	ug/l	92
50) 1,1,2-Trichloroethane	10.899	97	268476	21.798	ug/l	98
51) Ethyl methacrylate	10.762	69	421021	20.389	ug/l	91
52) 1,3-Dichloropropane	11.047	76	461769	21.705	ug/l	100
53) Dibromochloromethane	11.240	129	246859	20.974	ug/l	100
54) 1,2-Dibromoethane	11.347	107	264417	20.729	ug/l	95
55) 2-Chloroethyl vinyl ether	10.041	63	527977	112.405	ug/l	97
56) Bromoform	12.460	173	168759	19.995	ug/l #	99
58) 4-Methyl-2-Pentanone	10.330	43	2354500	112.195	ug/l #	94
59) 2-Hexanone	11.087	43	1637838	102.601	ug/l	96
61) Tetrachloroethene	10.979	164	235297	22.931	ug/l	95
62) Toluene	10.505	91	1149179	21.874	ug/l	98
64) Chlorobenzene	11.771	112	673982	21.383	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.840	131	246211	22.188	ug/l	98
66) Ethyl Benzene	11.846	91	1257089	21.618	ug/l	99
67) m/p-Xylenes	11.953	106	919930	42.593	ug/l	93
68) o-Xylene	12.280	106	455867	21.080	ug/l	93
69) Styrene	12.296	104	732650	20.897	ug/l	97
70) Isopropylbenzene	12.578	105	1207458	21.350	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.827	83	400676	21.470	ug/l	98
72) 1,2,3-Trichloropropane	12.881	75	368938m	20.294	ug/l	
73) Bromobenzene	12.860	156	273977	21.015	ug/l	93
74) n-propylbenzene	12.921	91	1365371	21.021	ug/l	99
75) 2-Chlorotoluene	13.007	91	845564	21.385	ug/l	96
76) 1,3,5-Trimethylbenzene	13.061	105	978238	21.074	ug/l	99
77) t-1,4-Dichloro-2-butene	12.626	75	89327	18.202	ug/l	80
78) 4-Chlorotoluene	13.106	91	791998	20.916	ug/l	95
79) tert-butylbenzene	13.324	119	854756	20.933	ug/l	99
80) 1,2,4-Trimethylbenzene	13.369	105	944428m	20.856	ug/l	
81) sec-Butylbenzene	13.503	105	1176428	20.591	ug/l	100
82) p-Isopropyltoluene	13.616	119	938966	20.598	ug/l	99
83) 1,3-Dichlorobenzene	13.616	146	471496	21.153	ug/l	99
84) 1,4-Dichlorobenzene	13.696	146	447747	20.706	ug/l	98
85) n-Butylbenzene	13.943	91	729457	19.173	ug/l	98
86) Hexachloroethane	14.211	117	149847	19.862	ug/l	88
87) 1,2-Dichlorobenzene	13.989	146	453013	21.058	ug/l	100
88) 1,2-Dibromo-3-Chloropr...	14.605	75	65417	20.024	ug/l	98
89) 1,2,4-Trichlorobenzene	15.265	180	195488	18.952	ug/l	97
90) Hexachlorobutadiene	15.373	225	123282	22.102	ug/l	98
91) Naphthalene	15.507	128	494113	16.629	ug/l	99
92) 1,2,3-Trichlorobenzene	15.702	180	192543	18.988	ug/l	99

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

