

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN012224\
 Data File : VN080736.D
 Acq On : 22 Jan 2024 13:39
 Operator : JC\MD
 Sample : VN0122WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0122WBSD01

Manual Integrations
 APPROVED

Reviewed By :John
 Carlone

Quant Time: Jan 23 01:32:05 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N011124W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Jan 12 05:20:11 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.818	128	13105	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	100699	30.000	ug/l	# 0.00
57) Chlorobenzene-d5	11.865	117	115778	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.577	65	56202	26.557	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	88.533%	#	
60) 4-Bromofluorobenzene	12.847	95	69297	27.057	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	90.200%		
63) Toluene-d8	10.565	98	147940	29.115	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	97.067%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.124	85	38083	17.098	ug/l	90
3) Chloromethane	2.359	50	57046	18.802	ug/l	97
4) Vinyl Chloride	2.512	62	40754	17.658	ug/l	94
5) Bromomethane	2.965	94	16995	20.054	ug/l	97
6) Chloroethane	3.124	64	24545	19.671	ug/l	91
7) Trichlorofluoromethane	3.506	101	58213	16.883	ug/l	96
8) Diethyl Ether	3.959	74	30176	18.807	ug/l	74
9) 1,1,2-Trichlorotrifluo...	4.365	101	33484m	16.852	ug/l	
10) 1,1-Dichloroethene	4.336	96	35852	16.798	ug/l	# 87
11) Methyl Iodide	4.595	142	32670	17.947	ug/l	81
12) Methyl Acetate	5.024	43	52090	20.629	ug/l	# 77
13) Acrolein	4.177	56	28069	83.626	ug/l	94
14) Acrylonitrile	5.718	53	114582	100.700	ug/l	# 34
15) Acetone	4.430	58	26385m	102.221	ug/l	
16) Carbon Disulfide	4.712	76	107934	16.324	ug/l	99
17) Allyl chloride	5.018	41	76119	17.618	ug/l	86
18) Methylene Chloride	5.277	84	47014	18.956	ug/l	# 84
19) trans-1,2-Dichloroethene	5.783	96	40908	18.230	ug/l	98
20) Diisopropyl ether	6.671	45	179474	20.471	ug/l	98
21) 1,1-Dichloroethane	6.565	63	89728	18.846	ug/l	94
22) cis-1,2-Dichloroethene	7.489	96	49816	18.977	ug/l	87
23) tert-Butyl Alcohol	5.512	59	36071m	91.917	ug/l	
24) Methyl tert-Butyl Ether	5.789	73	147145	19.068	ug/l	# 87
25) Chloroform	7.965	83	83289	18.789	ug/l	94
26) Cyclohexane	8.253	56	70837	18.920	ug/l	# 88
29) 1,1-Dichloropropene	8.371	75	58601	19.144	ug/l	95
30) 2-Butanone	7.483	43	148227	109.431	ug/l	92
31) 2,2-Dichloropropane	7.494	77	71404	19.418	ug/l	99
32) 1,1,1-Trichloroethane	8.165	97	66689	19.799	ug/l	94
33) Carbon Tetrachloride	8.365	117	51181	19.240	ug/l	87
34) Benzene	8.606	78	196046	21.592	ug/l	99
35) Methacrylonitrile	7.777	41	36931	21.728	ug/l	96
36) 1,2-Dichloroethane	8.665	62	65887	19.735	ug/l	# 87
37) Trichloroethene	9.353	130	38841	19.615	ug/l	87
38) Methylcyclohexane	9.600	83	59101	19.818	ug/l	92
39) 1,2-Dichloropropane	9.624	63	55465	22.665	ug/l	99
40) Dibromomethane	9.706	93	31496	21.631	ug/l	85
41) Bromodichloromethane	9.888	83	64992	20.397	ug/l	92
42) Vinyl Acetate	6.600	43	714758	113.534	ug/l	# 93

01/23/2024
 Supervised By :Mahesh
 adoda

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.559	43	66300	23.310	ug/l	96
44) Isopropyl Acetate	8.683	43	118539	21.832	ug/l	90
45) 1,4-Dioxane	9.694	88	13009	421.282	ug/l #	84
46) Methyl methacrylate	9.683	41	51665	20.208	ug/l	75
47) n-amyl Acetate	12.494	43	104847	21.520	ug/l #	87
48) t-1,3-Dichloropropene	10.835	75	75410	20.085	ug/l	94
49) cis-1,3-Dichloropropene	10.312	75	85484	21.451	ug/l #	85
50) 1,1,2-Trichloroethane	11.018	97	44041	22.024	ug/l	90
51) Ethyl methacrylate	10.871	69	76960	22.263	ug/l	73
52) 1,3-Dichloropropane	11.159	76	81690	21.700	ug/l	100
53) Dibromochloromethane	11.359	129	43947	21.962	ug/l	95
54) 1,2-Dibromoethane	11.465	107	41259	20.990	ug/l	97
55) 2-Chloroethyl vinyl ether	10.159	63	178135	100.258	ug/l	95
56) Bromoform	12.582	173	25430	21.513	ug/l	94
58) 4-Methyl-2-Pentanone	10.441	43	329535	108.199	ug/l #	86
59) 2-Hexanone	11.194	43	239596	105.364	ug/l #	86
61) Tetrachloroethene	11.106	164	30636	19.878	ug/l	91
62) Toluene	10.630	91	190951	20.506	ug/l	99
64) Chlorobenzene	11.894	112	108639	20.946	ug/l	96
65) 1,1,1,2-Tetrachloroethane	11.965	131	38161	20.478	ug/l	94
66) Ethyl Benzene	11.965	91	194273	19.835	ug/l	100
67) m/p-Xylenes	12.071	106	139581	39.651	ug/l	97
68) o-Xylene	12.394	106	70624	20.116	ug/l	95
69) Styrene	12.412	104	116394	19.734	ug/l	98
70) Isopropylbenzene	12.694	105	165887	19.333	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.935	83	57885	20.668	ug/l	98
72) 1,2,3-Trichloropropane	12.994	75	50810m	19.142	ug/l	
73) Bromobenzene	12.982	156	35121	19.203	ug/l	75
74) n-propylbenzene	13.035	91	202439	19.563	ug/l	97
75) 2-Chlorotoluene	13.123	91	125898	19.346	ug/l	97
76) 1,3,5-Trimethylbenzene	13.176	105	140029	19.608	ug/l	96
77) t-1,4-Dichloro-2-butene	12.741	75	21852	20.081	ug/l	83
78) 4-Chlorotoluene	13.223	91	122154	18.779	ug/l	100
79) tert-butylbenzene	13.435	119	108927	19.541	ug/l	97
80) 1,2,4-Trimethylbenzene	13.482	105	135198	19.350	ug/l	98
81) sec-Butylbenzene	13.618	105	157397	19.180	ug/l	97
82) p-Isopropyltoluene	13.729	119	124799	19.942	ug/l	96
83) 1,3-Dichlorobenzene	13.729	146	61125	19.265	ug/l	95
84) 1,4-Dichlorobenzene	13.812	146	66437	20.795	ug/l	96
85) n-Butylbenzene	14.053	91	117964	19.078	ug/l	96
86) Hexachloroethane	14.335	117	20969	17.819	ug/l	79
87) 1,2-Dichlorobenzene	14.106	146	63889	20.526	ug/l	98
88) 1,2-Dibromo-3-Chloropr...	14.717	75	10590	18.161	ug/l #	80
89) 1,2,4-Trichlorobenzene	15.841	180	30239	19.370	ug/l	97
90) Hexachlorobutadiene	15.500	225	12587	17.598	ug/l	96
91) Naphthalene	15.641	128	115361	18.955	ug/l	98
92) 1,2,3-Trichlorobenzene	15.841	180	30239	19.370	ug/l	97

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

