

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN040723\
 Data File : VN077281.D
 Acq On : 07 Apr 2023 17:28
 Operator : JC\MD
 Sample : VN0407WBS02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0407WBS02

Quant Time: Apr 08 05:22:26 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N040723W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Apr 07 13:04:49 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 04/10/2023
 Supervised By : Semsettin Yesilyurt 04/10/2023

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

Internal Standards						
1) Bromochloromethane	7.813	128	51928	30.000	ug/l	-0.01
28) 1,4-Difluorobenzene	9.107	114	406615	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.872	117	443527	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.584	65	132895	30.176	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 100.600%			
60) 4-Bromofluorobenzene	12.854	95	229262	29.894	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 99.633%			
63) Toluene-d8	10.572	98	471009	30.208	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 100.700%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.137	85	96793	19.607	ug/l	100
3) Chloromethane	2.372	50	130860	19.953	ug/l	98
4) Vinyl Chloride	2.525	62	187542	19.964	ug/l	100
5) Bromomethane	2.966	94	132426	18.707	ug/l	90
6) Chloroethane	3.131	64	134693	21.391	ug/l	99
7) Trichlorofluoromethane	3.507	101	172019	19.666	ug/l	96
8) Diethyl Ether	3.972	74	75019	20.122	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.390	101	106695	19.507	ug/l	98
10) 1,1-Dichloroethene	4.343	96	105901	19.354	ug/l	93
11) Methyl Iodide	4.601	142	122785	19.862	ug/l	95
12) Methyl Acetate	5.031	43	159662	19.585	ug/l #	84
13) Acrolein	4.190	56	93164m	92.068	ug/l	
14) Acrylonitrile	5.731	53	270997	97.250	ug/l	99
15) Acetone	4.437	58	77363	76.526	ug/l	99
16) Carbon Disulfide	4.725	76	271042	18.767	ug/l	98
17) Allyl chloride	5.037	41	126698	17.987	ug/l	97
18) Methylene Chloride	5.284	84	123152	19.381	ug/l	94
19) trans-1,2-Dichloroethene	5.796	96	116513	19.583	ug/l	98
20) Diisopropyl ether	6.684	45	326455	19.446	ug/l	95
21) 1,1-Dichloroethane	6.572	63	211175	19.846	ug/l	97
22) cis-1,2-Dichloroethene	7.490	96	141964	19.573	ug/l	100
23) tert-Butyl Alcohol	5.525	59	120827	97.515	ug/l #	100
24) Methyl tert-Butyl Ether	5.807	73	386658	19.628	ug/l	98
25) Chloroform	7.966	83	230475	19.986	ug/l	97
26) Cyclohexane	8.260	56	177159	19.160	ug/l #	100
29) 1,1-Dichloropropene	8.372	75	166969	18.956	ug/l	99
30) 2-Butanone	7.484	43	358965	86.178	ug/l	98
31) 2,2-Dichloropropane	7.490	77	198569	18.364	ug/l #	73
32) 1,1,1-Trichloroethane	8.172	97	206655	19.064	ug/l	99
33) Carbon Tetrachloride	8.366	117	175288	18.946	ug/l	95
34) Benzene	8.613	78	528173	19.379	ug/l	98
35) Methacrylonitrile	7.784	41	76731	19.555	ug/l	96
36) 1,2-Dichloroethane	8.678	62	162381	19.003	ug/l	99
37) Trichloroethene	9.354	130	127127	19.070	ug/l	100
38) Methylcyclohexane	9.601	83	226940	18.996	ug/l	99
39) 1,2-Dichloropropane	9.625	63	130282	19.256	ug/l	97
40) Dibromomethane	9.713	93	93185	19.115	ug/l	98
41) Bromodichloromethane	9.889	83	187273	19.266	ug/l #	99
42) Vinyl Acetate	6.607	43	1125019	93.321	ug/l #	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.566	43	156404	20.295	ug/l #	78
44) Isopropyl Acetate	8.689	43	262396	19.017	ug/l #	100
45) 1,4-Dioxane	9.701	88	56629	389.145	ug/l	99
46) Methyl methacrylate	9.684	41	111666	18.797	ug/l	96
47) n-amyl Acetate	12.495	43	227986	18.907	ug/l	100
48) t-1,3-Dichloropropene	10.836	75	205205	18.863	ug/l	100
49) cis-1,3-Dichloropropene	10.313	75	222916	19.261	ug/l	96
50) 1,1,2-Trichloroethane	11.019	97	136046	19.213	ug/l	95
51) Ethyl methacrylate	10.872	69	214016	19.682	ug/l	96
52) 1,3-Dichloropropane	11.166	76	221615	18.753	ug/l	97
53) Dibromochloromethane	11.360	129	141122	18.910	ug/l	97
54) 1,2-Dibromoethane	11.472	107	137737	19.377	ug/l	99
55) 2-Chloroethyl vinyl ether	10.166	63	330104	98.326	ug/l	99
56) Bromoform	12.583	173	95011	18.952	ug/l	97
58) 4-Methyl-2-Pentanone	10.448	43	801908	96.565	ug/l	99
59) 2-Hexanone	11.195	43	590011	91.917	ug/l	99
61) Tetrachloroethene	11.107	164	105753	20.047	ug/l	96
62) Toluene	10.630	91	595738	19.251	ug/l	100
64) Chlorobenzene	11.895	112	363536	19.336	ug/l	97
65) 1,1,1,2-Tetrachloroethane	11.960	131	131853	19.072	ug/l	96
66) Ethyl Benzene	11.966	91	664568	19.384	ug/l	99
67) m/p-Xylenes	12.072	106	521127	38.779	ug/l	100
68) o-Xylene	12.401	106	261690	19.465	ug/l	100
69) Styrene	12.413	104	412725	19.162	ug/l	99
70) Isopropylbenzene	12.701	105	667662	19.569	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.942	83	204073	19.532	ug/l	99
72) 1,2,3-Trichloropropane	12.995	75	145230m	20.448	ug/l	
73) Bromobenzene	12.983	156	134092	19.344	ug/l	97
74) n-propylbenzene	13.042	91	740554	19.618	ug/l	100
75) 2-Chlorotoluene	13.130	91	448357	19.826	ug/l	98
76) 1,3,5-Trimethylbenzene	13.177	105	542680	19.542	ug/l	98
77) t-1,4-Dichloro-2-butene	12.736	75	66665	18.428	ug/l	94
78) 4-Chlorotoluene	13.224	91	414759	19.410	ug/l	99
79) tert-butylbenzene	13.442	119	476800	19.729	ug/l	99
80) 1,2,4-Trimethylbenzene	13.483	105	528929	19.539	ug/l	98
81) sec-Butylbenzene	13.619	105	685056	19.848	ug/l	99
82) p-Isopropyltoluene	13.730	119	541669	19.588	ug/l	99
83) 1,3-Dichlorobenzene	13.736	146	248921	18.940	ug/l	100
84) 1,4-Dichlorobenzene	13.819	146	244455	19.171	ug/l	99
85) n-Butylbenzene	14.060	91	433630	18.977	ug/l	99
86) Hexachloroethane	14.336	117	110957	18.863	ug/l	99
87) 1,2-Dichlorobenzene	14.107	146	244906	19.017	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	14.724	75	37401	18.680	ug/l	96
89) 1,2,4-Trichlorobenzene	15.371	180	86728	17.121	ug/l	99
90) Hexachlorobutadiene	15.465	225	48809	18.787	ug/l	97
91) Naphthalene	15.589	128	336849	17.407	ug/l	99
92) 1,2,3-Trichlorobenzene	15.760	180	87112	17.624	ug/l	95

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

