

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN080823\
 Data File : VN078804.D
 Acq On : 08 Aug 2023 17:51
 Operator : JC\MD
 Sample : VSTDICC075
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC075

Quant Time: Aug 09 04:40:36 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N080823W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Aug 09 04:37:34 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 08/09/2023
 Supervised By : Semsettin Yesilyurt 08/09/2023

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

Internal Standards						
1) Bromochloromethane	7.818	128	34682	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.106	114	194311	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.871	117	179355	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.582	65	82368	30.921	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 103.067%			
60) 4-Bromofluorobenzene	12.853	95	84375	31.048	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 103.500%			
63) Toluene-d8	10.571	98	254867	28.383	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 94.600%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.136	85	172159	74.656	ug/l	98
3) Chloromethane	2.371	50	200010	72.670	ug/l	98
4) Vinyl Chloride	2.518	62	197167	56.010	ug/l	92
5) Bromomethane	2.948	94	127695	48.349	ug/l	97
6) Chloroethane	3.118	64	128063	54.413	ug/l	92
7) Trichlorofluoromethane	3.500	101	267110	69.383	ug/l	100
8) Diethyl Ether	3.971	74	96545	75.480	ug/l	74
9) 1,1,2-Trichlorotrifluo...	4.377	101	144937	69.566	ug/l	96
10) 1,1-Dichloroethene	4.353	96	137348	69.605	ug/l	87
11) Methyl Iodide	4.595	142	199283	71.987	ug/l	100
12) Methyl Acetate	5.036	43	292474	84.629	ug/l	92
13) Acrolein	4.183	56	154056	428.041	ug/l	96
14) Acrylonitrile	5.730	53	405061	409.926	ug/l	99
15) Acetone	4.436	58	102188	366.474	ug/l	83
16) Carbon Disulfide	4.724	76	411931	73.252	ug/l	97
17) Allyl chloride	5.036	41	248243	89.749	ug/l	92
18) Methylene Chloride	5.289	84	174819	72.854	ug/l #	84
19) trans-1,2-Dichloroethene	5.794	96	160644	70.170	ug/l	92
20) Diisopropyl ether	6.683	45	584206	91.138	ug/l #	95
21) 1,1-Dichloroethane	6.577	63	314692	76.517	ug/l	95
22) cis-1,2-Dichloroethene	7.494	96	186639	80.751	ug/l	94
23) tert-Butyl Alcohol	5.542	59	141258m	361.658	ug/l	
24) Methyl tert-Butyl Ether	5.806	73	492486	74.090	ug/l #	83
25) Chloroform	7.971	83	319590	74.643	ug/l	97
26) Cyclohexane	8.265	56	265111	88.108	ug/l #	92
29) 1,1-Dichloropropene	8.382	75	243817	82.041	ug/l	98
30) 2-Butanone	7.494	43	574185	468.777	ug/l	92
31) 2,2-Dichloropropane	7.494	77	246757	74.395	ug/l	97
32) 1,1,1-Trichloroethane	8.177	97	279024	76.405	ug/l	97
33) Carbon Tetrachloride	8.371	117	244998	75.022	ug/l	96
34) Benzene	8.612	78	720423	81.056	ug/l	97
35) Methacrylonitrile	7.788	41	130832	95.488	ug/l	79
36) 1,2-Dichloroethane	8.677	62	247172	79.601	ug/l	100
37) Trichloroethene	9.359	130	167946	68.813	ug/l	96
38) Methylcyclohexane	9.606	83	236638	78.027	ug/l	93
39) 1,2-Dichloropropane	9.629	63	189698	78.808	ug/l	95
40) Dibromomethane	9.718	93	126609	77.674	ug/l	97
41) Bromodichloromethane	9.894	83	253996	77.439	ug/l	100
42) Vinyl Acetate	6.612	43	1898189	482.755	ug/l	94

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43) Ethyl Acetate	7.571	43	233822	90.683	ug/l	99
44) Isopropyl Acetate	8.694	43	420001	94.881	ug/l	91
45) 1,4-Dioxane	9.700	88	61446	1555.951	ug/l	90
46) Methyl methacrylate	9.688	41	191914	94.869	ug/l	89
47) n-amyl Acetate	12.500	43	348352	102.216	ug/l	91
48) t-1,3-Dichloropropene	10.841	75	275151	80.156	ug/l	95
49) cis-1,3-Dichloropropene	10.318	75	298748	80.264	ug/l	92
50) 1,1,2-Trichloroethane	11.024	97	170542	75.217	ug/l	97
51) Ethyl methacrylate	10.882	69	266060	85.262	ug/l	77
52) 1,3-Dichloropropane	11.171	76	297302	72.120	ug/l	99
53) Dibromochloromethane	11.365	129	188227	74.835	ug/l	100
54) 1,2-Dibromoethane	11.476	107	171464	75.839	ug/l	100
55) 2-Chloroethyl vinyl ether	10.165	63	495815	483.936	ug/l	97
56) Bromoform	12.582	173	124041	74.202	ug/l	97
58) 4-Methyl-2-Pentanone	10.453	43	1252355	430.437	ug/l #	91
59) 2-Hexanone	11.200	43	905526	421.059	ug/l	91
61) Tetrachloroethene	11.106	164	144953	61.848	ug/l	90
62) Toluene	10.635	91	784408	71.508	ug/l	98
64) Chlorobenzene	11.894	112	463288	72.717	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.965	131	174272	69.862	ug/l	98
66) Ethyl Benzene	11.970	91	860061	77.351	ug/l	100
67) m/p-Xylenes	12.076	106	647898	154.250	ug/l	100
68) o-Xylene	12.406	106	314302	73.070	ug/l	99
69) Styrene	12.418	104	523167	76.035	ug/l	98
70) Isopropylbenzene	12.700	105	801430	75.752	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.941	83	242821	69.782	ug/l	99
72) 1,2,3-Trichloropropane	13.000	75	225350m	79.544	ug/l	
73) Bromobenzene	12.988	156	183674	71.295	ug/l	98
74) n-propylbenzene	13.041	91	917704	77.582	ug/l	100
75) 2-Chlorotoluene	13.129	91	546317	67.194	ug/l	99
76) 1,3,5-Trimethylbenzene	13.176	105	639107	67.593	ug/l	99
77) t-1,4-Dichloro-2-butene	12.741	75	76419	75.566	ug/l	81
78) 4-Chlorotoluene	13.223	91	538799	69.523	ug/l	98
79) tert-butylbenzene	13.441	119	537557	66.348	ug/l	99
80) 1,2,4-Trimethylbenzene	13.488	105	619165	69.018	ug/l	98
81) sec-Butylbenzene	13.623	105	710310	67.748	ug/l	98
82) p-Isopropyltoluene	13.735	119	573126	67.787	ug/l	99
83) 1,3-Dichlorobenzene	13.735	146	317964	70.011	ug/l	99
84) 1,4-Dichlorobenzene	13.817	146	310303	72.829	ug/l	100
85) n-Butylbenzene	14.064	91	439355	74.621	ug/l	97
86) Hexachloroethane	14.341	117	116047	74.167	ug/l	95
87) 1,2-Dichlorobenzene	14.112	146	297997	69.657	ug/l	98
88) 1,2-Dibromo-3-Chloropr...	14.723	75	38116	66.055	ug/l	95
89) 1,2,4-Trichlorobenzene	15.400	180	99070	81.878	ug/l	96
90) Hexachlorobutadiene	15.506	225	50441	55.428	ug/l	94
91) Naphthalene	15.647	128	301479	82.274	ug/l	100
92) 1,2,3-Trichlorobenzene	15.847	180	102446	74.253	ug/l	97

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

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