

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110823\
 Data File : VN079989.D
 Acq On : 08 Nov 2023 13:33
 Operator : JC\MD
 Sample : VSTDICCC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Manual Integrations
 APPROVED

Reviewed By :John
 Carlone

Quant Time: Nov 09 03:45:48 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N110823W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Nov 08 15:03:03 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.818	128	79904	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.106	114	447250	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.871	117	409707	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.583	65	202161	30.140	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	100.467%
60) 4-Bromofluorobenzene	12.853	95	196314	29.963	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	99.867%
63) Toluene-d8	10.571	98	595840	30.693	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	102.300%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.124	85	109735	21.063	ug/l	99
3) Chloromethane	2.359	50	134535	20.498	ug/l	97
4) Vinyl Chloride	2.512	62	107771	19.650	ug/l	96
5) Bromomethane	2.959	94	58349	19.431	ug/l	94
6) Chloroethane	3.124	64	58369	18.265	ug/l #	86
7) Trichlorofluoromethane	3.501	101	158772	19.289	ug/l	99
8) Diethyl Ether	3.959	74	59581	20.164	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.371	101	90774	19.520	ug/l	96
10) 1,1-Dichloroethene	4.342	96	88407	21.489	ug/l	91
11) Methyl Iodide	4.589	142	112494	20.674	ug/l	95
12) Methyl Acetate	5.024	43	219113	20.543	ug/l	98
13) Acrolein	4.183	56	82097	91.104	ug/l	95
14) Acrylonitrile	5.724	53	259296	102.354	ug/l	99
15) Acetone	4.430	58	88449	103.401	ug/l	93
16) Carbon Disulfide	4.712	76	304213	21.656	ug/l	99
17) Allyl chloride	5.024	41	142628	19.841	ug/l	97
18) Methylene Chloride	5.277	84	109102	19.776	ug/l	96
19) trans-1,2-Dichloroethene	5.789	96	104262	20.446	ug/l	98
20) Diisopropyl ether	6.677	45	351360	20.915	ug/l	98
21) 1,1-Dichloroethane	6.571	63	206967	20.640	ug/l	98
22) cis-1,2-Dichloroethene	7.489	96	120805	20.415	ug/l	97
23) tert-Butyl Alcohol	5.524	59	70889	110.281	ug/l #	100
24) Methyl tert-Butyl Ether	5.795	73	314813	20.783	ug/l	99
25) Chloroform	7.971	83	213306	20.607	ug/l	99
26) Cyclohexane	8.259	56	160838	20.389	ug/l #	98
29) 1,1-Dichloropropene	8.377	75	156318	20.365	ug/l	98
30) 2-Butanone	7.483	43	371239	101.270	ug/l	99
31) 2,2-Dichloropropane	7.494	77	169017	20.372	ug/l	98
32) 1,1,1-Trichloroethane	8.171	97	176085	20.094	ug/l	100
33) Carbon Tetrachloride	8.365	117	155257	20.157	ug/l	99
34) Benzene	8.612	78	463397	20.322	ug/l	98
35) Methacrylonitrile	7.777	41	77297	20.112	ug/l	91
36) 1,2-Dichloroethane	8.671	62	167270	20.269	ug/l	99
37) Trichloroethene	9.353	130	110571	20.164	ug/l	97
38) Methylcyclohexane	9.606	83	144336	20.026	ug/l	99
39) 1,2-Dichloropropane	9.624	63	123023	20.384	ug/l	96
40) Dibromomethane	9.706	93	78341	20.081	ug/l	98
41) Bromodichloromethane	9.888	83	160765	19.897	ug/l	99
42) Vinyl Acetate	6.606	43	919309	100.961	ug/l	99

11/09/2023
 Supervised By :Semsettin
 Cesilyurt

11/09/2023

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
43) Ethyl Acetate	7.565	43	150197	21.811	ug/l	98	11/09/2023
44) Isopropyl Acetate	8.694	43	225075	20.058	ug/l	94	Supervised By :Semsettin Yesilyurt
45) 1,4-Dioxane	9.700	88	35549	411.096	ug/l	95	
46) Methyl methacrylate	9.688	41	110243	20.438	ug/l	94	
47) n-amyl Acetate	12.494	43	181877	20.179	ug/l	96	
48) t-1,3-Dichloropropene	10.841	75	167178	20.260	ug/l	95	
49) cis-1,3-Dichloropropene	10.312	75	186322	20.425	ug/l	93	11/09/2023
50) 1,1,2-Trichloroethane	11.018	97	107658	20.230	ug/l	90	
51) Ethyl methacrylate	10.877	69	155460	20.324	ug/l	92	
52) 1,3-Dichloropropane	11.165	76	195549	20.554	ug/l	99	
53) Dibromochloromethane	11.365	129	115560	20.298	ug/l	99	
54) 1,2-Dibromoethane	11.471	107	107036	20.030	ug/l	98	
55) 2-Chloroethyl vinyl ether	10.165	63	363212	103.244	ug/l	99	
56) Bromoform	12.582	173	75271	20.177	ug/l #	97	
58) 4-Methyl-2-Pentanone	10.447	43	707728	103.396	ug/l	97	
59) 2-Hexanone	11.200	43	546858	104.879	ug/l	99	
61) Tetrachloroethene	11.106	164	96962	20.186	ug/l	94	
62) Toluene	10.635	91	481820	20.333	ug/l	100	
64) Chlorobenzene	11.894	112	287594	20.337	ug/l	93	
65) 1,1,1,2-Tetrachloroethane	11.965	131	106615	20.553	ug/l	96	
66) Ethyl Benzene	11.965	91	505939	20.318	ug/l	99	
67) m/p-Xylenes	12.076	106	388011	41.854	ug/l	97	
68) o-Xylene	12.400	106	181093	20.380	ug/l	98	
69) Styrene	12.412	104	304211	20.681	ug/l	99	
70) Isopropylbenzene	12.700	105	451833	20.385	ug/l	100	
71) 1,1,2,2-Tetrachloroethane	12.941	83	154205	20.426	ug/l	99	
72) 1,2,3-Trichloropropane	12.994	75	138908m	14.364	ug/l		
73) Bromobenzene	12.982	156	108836	19.973	ug/l	93	
74) n-propylbenzene	13.041	91	539532	20.348	ug/l	99	
75) 2-Chlorotoluene	13.129	91	341483	20.262	ug/l	99	
76) 1,3,5-Trimethylbenzene	13.176	105	376484	20.536	ug/l	98	
77) t-1,4-Dichloro-2-butene	12.741	75	45013	19.598	ug/l	98	
78) 4-Chlorotoluene	13.223	91	337118	20.140	ug/l	99	
79) tert-butylbenzene	13.441	119	292301	20.359	ug/l	99	
80) 1,2,4-Trimethylbenzene	13.482	105	367814	20.461	ug/l	100	
81) sec-Butylbenzene	13.618	105	411314	20.295	ug/l	98	
82) p-Isopropyltoluene	13.735	119	336778	20.462	ug/l	99	
83) 1,3-Dichlorobenzene	13.735	146	204103	20.556	ug/l	98	
84) 1,4-Dichlorobenzene	13.818	146	195571	20.067	ug/l	98	
85) n-Butylbenzene	14.059	91	273211	19.847	ug/l	98	
86) Hexachloroethane	14.335	117	63249	19.762	ug/l	96	
87) 1,2-Dichlorobenzene	14.112	146	193167	20.364	ug/l	99	
88) 1,2-Dibromo-3-Chloropr...	14.723	75	28254	20.466	ug/l	99	
89) 1,2,4-Trichlorobenzene	15.847	180	90195	20.524	ug/l	98	
90) Hexachlorobutadiene	15.506	225	43597	20.130	ug/l	98	
91) Naphthalene	15.647	128	288995	20.492	ug/l	99	
92) 1,2,3-Trichlorobenzene	15.847	180	90195	20.524	ug/l	98	

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

