

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011124\
 Data File : VN080672.D
 Acq On : 11 Jan 2024 12:53
 Operator : JC\MD
 Sample : VSTDICV020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICSVN011124

Manual Integrations
 APPROVED

Reviewed By :John
 Carlone

Quant Time: Jan 12 05:21:35 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

01/12/2024
 Supervised By :Semsettin
 Yesilyurt

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

Internal Standards						
1) Bromochloromethane	7.812	128	15645	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	134813	30.000	ug/l	# 0.00
57) Chlorobenzene-d5	11.865	117	152236	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.576	65	72752	28.796	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	96.000%
60) 4-Bromofluorobenzene	12.847	95	96492	28.652	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	95.500%
63) Toluene-d8	10.565	98	201944	30.226	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	100.767%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.124	85	54887	20.642	ug/l	98
3) Chloromethane	2.365	50	74542	20.580	ug/l	98
4) Vinyl Chloride	2.518	62	58756	21.325	ug/l	94
5) Bromomethane	2.959	94	21318	21.071	ug/l	88
6) Chloroethane	3.124	64	30338m	20.367	ug/l	
7) Trichlorofluoromethane	3.500	101	83382	20.257	ug/l	99
8) Diethyl Ether	3.959	74	40785	21.292	ug/l	76
9) 1,1,2-Trichlorotrifluo...	4.371	101	50200	21.163	ug/l	82
10) 1,1-Dichloroethene	4.347	96	52469m	20.592	ug/l	
11) Methyl Iodide	4.583	142	41187	18.952	ug/l	75
12) Methyl Acetate	5.018	43	59902	19.872	ug/l	# 72
13) Acrolein	4.177	56	30925	77.177	ug/l	95
14) Acrylonitrile	5.712	53	139781	102.902	ug/l	99
15) Acetone	4.424	58	31027	100.690	ug/l	97
16) Carbon Disulfide	4.712	76	156012	19.765	ug/l	97
17) Allyl chloride	5.024	41	102175	19.810	ug/l	82
18) Methylene Chloride	5.277	84	59840	20.211	ug/l	# 85
19) trans-1,2-Dichloroethene	5.788	96	56743m	21.182	ug/l	
20) Diisopropyl ether	6.665	45	219160	20.939	ug/l	# 90
21) 1,1-Dichloroethane	6.565	63	118373	20.826	ug/l	93
22) cis-1,2-Dichloroethene	7.488	96	63984	20.417	ug/l	88
23) tert-Butyl Alcohol	5.512	59	46084	98.367	ug/l	# 100
24) Methyl tert-Butyl Ether	5.788	73	185490	20.134	ug/l	# 83
25) Chloroform	7.965	83	107770	20.365	ug/l	98
26) Cyclohexane	8.259	56	94301	21.097	ug/l	# 91
29) 1,1-Dichloropropene	8.371	75	85309	20.817	ug/l	96
30) 2-Butanone	7.477	43	180803	99.704	ug/l	92
31) 2,2-Dichloropropane	7.488	77	103534	21.030	ug/l	98
32) 1,1,1-Trichloroethane	8.165	97	93033	20.631	ug/l	94
33) Carbon Tetrachloride	8.359	117	74227	20.843	ug/l	97
34) Benzene	8.606	78	254695	20.953	ug/l	97
35) Methacrylonitrile	7.777	41	42694	18.762	ug/l	88
36) 1,2-Dichloroethane	8.671	62	87305	19.533	ug/l	98
37) Trichloroethene	9.353	130	52642	19.858	ug/l	88
38) Methylcyclohexane	9.600	83	85105	21.317	ug/l	92
39) 1,2-Dichloropropane	9.623	63	68884	21.025	ug/l	95
40) Dibromomethane	9.712	93	38877	19.943	ug/l	86
41) Bromodichloromethane	9.888	83	85417	20.023	ug/l	94
42) Vinyl Acetate	6.600	43	870946	103.336	ug/l	# 93

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43) Ethyl Acetate	7.559	43	72892	19.143	ug/l	95
44) Isopropyl Acetate	8.688	43	146717	20.184	ug/l	92
45) 1,4-Dioxane	9.694	88	16725	404.565	ug/l #	94
46) Methyl methacrylate	9.682	41	67497	19.720	ug/l	77
47) n-amyl Acetate	12.494	43	129386m	19.837	ug/l	
48) t-1,3-Dichloropropene	10.841	75	99702	19.836	ug/l	96
49) cis-1,3-Dichloropropene	10.312	75	108360	20.311	ug/l #	78
50) 1,1,2-Trichloroethane	11.018	97	54998	20.544	ug/l	92
51) Ethyl methacrylate	10.876	69	95292	20.591	ug/l	76
52) 1,3-Dichloropropane	11.165	76	100384	19.918	ug/l	99
53) Dibromochloromethane	11.359	129	54180	20.224	ug/l	98
54) 1,2-Dibromoethane	11.470	107	53566	20.355	ug/l	98
55) 2-Chloroethyl vinyl ether	10.159	63	187840	78.968	ug/l	96
56) Bromoform	12.576	173	30607	19.341	ug/l	98
58) 4-Methyl-2-Pentanone	10.447	43	393462	98.250	ug/l #	87
59) 2-Hexanone	11.194	43	301810	100.938	ug/l #	85
61) Tetrachloroethene	11.106	164	41542	20.499	ug/l	95
62) Toluene	10.629	91	255187	20.841	ug/l	99
64) Chlorobenzene	11.894	112	137661	20.185	ug/l	97
65) 1,1,1,2-Tetrachloroethane	11.964	131	49119	20.046	ug/l	95
66) Ethyl Benzene	11.964	91	272398	21.152	ug/l	99
67) m/p-Xylenes	12.070	106	195374	42.209	ug/l	99
68) o-Xylene	12.400	106	95794	20.751	ug/l	95
69) Styrene	12.412	104	155897	20.102	ug/l	96
70) Isopropylbenzene	12.694	105	230097	20.395	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.941	83	72215	19.610	ug/l	98
72) 1,2,3-Trichloropropane	12.994	75	66207m	18.969	ug/l	
73) Bromobenzene	12.976	156	48098	20.000	ug/l	73
74) n-propylbenzene	13.035	91	274993	20.210	ug/l	99
75) 2-Chlorotoluene	13.123	91	172934	20.210	ug/l	96
76) 1,3,5-Trimethylbenzene	13.176	105	192499	20.500	ug/l	94
77) t-1,4-Dichloro-2-butene	12.741	75	29245	20.439	ug/l	94
78) 4-Chlorotoluene	13.223	91	170664	19.953	ug/l	96
79) tert-butylbenzene	13.441	119	148445	20.252	ug/l	94
80) 1,2,4-Trimethylbenzene	13.482	105	192430	20.946	ug/l	96
81) sec-Butylbenzene	13.617	105	216632	20.077	ug/l	95
82) p-Isopropyltoluene	13.729	119	170505	20.721	ug/l	95
83) 1,3-Dichlorobenzene	13.735	146	83681	20.058	ug/l	98
84) 1,4-Dichlorobenzene	13.811	146	84979	20.229	ug/l	95
85) n-Butylbenzene	14.058	91	165485	20.354	ug/l	97
86) Hexachloroethane	14.341	117	30161	19.492	ug/l	77
87) 1,2-Dichlorobenzene	14.111	146	83454	20.391	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	14.717	75	14984	19.543	ug/l #	78
89) 1,2,4-Trichlorobenzene	15.841	180	37717	18.374	ug/l	96
90) Hexachlorobutadiene	15.500	225	18564	19.738	ug/l	98
91) Naphthalene	15.641	128	149104	18.632	ug/l	100
92) 1,2,3-Trichlorobenzene	15.841	180	37717	18.374	ug/l	96

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

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