

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102324\
 Data File : VN084470.D
 Acq On : 23 Oct 2024 13:50
 Operator : JC\MD
 Sample : VN1023WBS01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1023WBS01

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 10/24/2024
 Supervised By :Mahesh Dadoda 10/24/2024

Quant Time: Oct 24 04:05:48 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N100824W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Oct 09 02:22:28 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.812	128	34001	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	177325	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	165233	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.583	65	82461	30.124	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	= 100.400%	
60) 4-Bromofluorobenzene	12.847	95	84246	30.893	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	= 102.967%	
63) Toluene-d8	10.565	98	237970	31.088	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	= 103.633%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.130	85	37025	17.835	ug/l	96
3) Chloromethane	2.365	50	40531	17.157	ug/l	97
4) Vinyl Chloride	2.512	62	40659	17.551	ug/l	96
5) Bromomethane	2.959	94	26827	17.479	ug/l	100
6) Chloroethane	3.124	64	27493	18.102	ug/l	100
7) Trichlorofluoromethane	3.501	101	68457	18.141	ug/l	93
8) Diethyl Ether	3.971	74	23002m	16.580	ug/l	
9) 1,1,2-Trichlorotrifluo...	4.371	101	40387	19.035	ug/l	98
10) 1,1-Dichloroethene	4.348	96	36589	17.283	ug/l	88
11) Methyl Iodide	4.583	142	48349	17.378	ug/l	97
12) Methyl Acetate	5.030	43	49164	18.550	ug/l	99
13) Acrolein	4.177	56	29290	59.491	ug/l	97
14) Acrylonitrile	5.718	53	100125	84.087	ug/l	99
15) Acetone	4.430	58	30183	88.735	ug/l	93
16) Carbon Disulfide	4.712	76	102588	16.273	ug/l	100
17) Allyl chloride	5.018	41	56207	16.378	ug/l	99
18) Methylene Chloride	5.277	84	43646	18.301	ug/l	91
19) trans-1,2-Dichloroethene	5.795	96	38759	17.299	ug/l	98
20) Diisopropyl ether	6.665	45	134694	18.254	ug/l	99
21) 1,1-Dichloroethane	6.565	63	79123	18.688	ug/l	98
22) cis-1,2-Dichloroethene	7.489	96	47253	18.124	ug/l	98
23) tert-Butyl Alcohol	5.530	59	35585	77.911	ug/l #	100
24) Methyl tert-Butyl Ether	5.795	73	121557	17.181	ug/l	97
25) Chloroform	7.965	83	81856	19.089	ug/l	99
26) Cyclohexane	8.259	56	56839	16.051	ug/l #	94
29) 1,1-Dichloropropene	8.371	75	52320	17.974	ug/l	98
30) 2-Butanone	7.483	43	137167	88.504	ug/l	100
31) 2,2-Dichloropropane	7.494	77	66903	19.558	ug/l #	82
32) 1,1,1-Trichloroethane	8.165	97	72549	19.498	ug/l	99
33) Carbon Tetrachloride	8.359	117	61838	19.184	ug/l	98
34) Benzene	8.606	78	173224	19.010	ug/l	97
35) Methacrylonitrile	7.783	41	30017	18.155	ug/l	93
36) 1,2-Dichloroethane	8.671	62	59718	19.662	ug/l	98
37) Trichloroethene	9.353	130	40164	19.142	ug/l	96
38) Methylcyclohexane	9.600	83	52560	16.438	ug/l	98
39) 1,2-Dichloropropane	9.618	63	43933	19.771	ug/l	99
40) Dibromomethane	9.706	93	29668	19.104	ug/l	98
41) Bromodichloromethane	9.888	83	64492	19.562	ug/l	88
42) Vinyl Acetate	6.606	43	450918	83.655	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.559	43	53348	17.453	ug/l	98
44) Isopropyl Acetate	8.688	43	89341	17.858	ug/l	99
45) 1,4-Dioxane	9.694	88	16341	362.336	ug/l	98
46) Methyl methacrylate	9.682	41	41257	17.068	ug/l	94
47) n-amyl Acetate	12.494	43	75634	16.997	ug/l	97
48) t-1,3-Dichloropropene	10.835	75	59729	17.532	ug/l	99
49) cis-1,3-Dichloropropene	10.312	75	66904	18.738	ug/l	95
50) 1,1,2-Trichloroethane	11.018	97	41047	19.664	ug/l	93
51) Ethyl methacrylate	10.871	69	59712	17.318	ug/l	94
52) 1,3-Dichloropropane	11.159	76	70538	19.326	ug/l	99
53) Dibromochloromethane	11.359	129	47396	19.221	ug/l	99
54) 1,2-Dibromoethane	11.471	107	40909	19.039	ug/l	99
55) 2-Chloroethyl vinyl ether	10.159	63	152968	97.818	ug/l	99
56) Bromoform	12.576	173	29746	18.188	ug/l	99
58) 4-Methyl-2-Pentanone	10.441	43	277662	90.208	ug/l	99
59) 2-Hexanone	11.194	43	200370	87.604	ug/l	99
61) Tetrachloroethene	11.100	164	36230	19.384	ug/l	97
62) Toluene	10.629	91	188110	19.447	ug/l	99
64) Chlorobenzene	11.888	112	111258	18.483	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.959	131	40149	19.199	ug/l	98
66) Ethyl Benzene	11.965	91	190201	18.098	ug/l	96
67) m/p-Xylenes	12.071	106	152211	38.179	ug/l	97
68) o-Xylene	12.400	106	69948	18.202	ug/l	98
69) Styrene	12.412	104	121662	18.443	ug/l	99
70) Isopropylbenzene	12.694	105	176630	18.005	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.935	83	58209	19.181	ug/l	98
72) 1,2,3-Trichloropropane	12.994	75	56721m	21.823	ug/l	
73) Bromobenzene	12.976	156	43449	18.288	ug/l	97
74) n-propylbenzene	13.035	91	216941	18.557	ug/l	99
75) 2-Chlorotoluene	13.123	91	135697	18.680	ug/l	100
76) 1,3,5-Trimethylbenzene	13.170	105	156119	18.900	ug/l	99
77) t-1,4-Dichloro-2-butene	12.735	75	18441	16.604	ug/l	88
78) 4-Chlorotoluene	13.218	91	136930	18.540	ug/l	100
79) tert-butylbenzene	13.441	119	130298	18.490	ug/l	99
80) 1,2,4-Trimethylbenzene	13.482	105	157315	18.770	ug/l	99
81) sec-Butylbenzene	13.612	105	179427	18.494	ug/l	100
82) p-Isopropyltoluene	13.729	119	147235	18.030	ug/l	98
83) 1,3-Dichlorobenzene	13.735	146	82908	18.767	ug/l	98
84) 1,4-Dichlorobenzene	13.812	146	80121	18.264	ug/l	98
85) n-Butylbenzene	14.053	91	118760	16.791	ug/l	99
86) Hexachloroethane	14.335	117	28610	18.185	ug/l	100
87) 1,2-Dichlorobenzene	14.106	146	81281	19.030	ug/l	98
88) 1,2-Dibromo-3-Chloropr...	14.717	75	10856	17.492	ug/l	97
89) 1,2,4-Trichlorobenzene	15.835	180	36364	16.375	ug/l	99
90) Hexachlorobutadiene	15.494	225	18382	17.892	ug/l	98
91) Naphthalene	15.641	128	107186	14.243	ug/l	99
92) 1,2,3-Trichlorobenzene	15.835	180	36364	16.375	ug/l	99

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

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