

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122024\
 Data File : VN085275.D
 Acq On : 20 Dec 2024 11:17
 Operator : JC\MD
 Sample : VSTDICC100
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC100

Quant Time: Dec 21 01:43:35 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N122024W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Sat Dec 21 01:29:00 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.812	128	30847	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	160498	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	153405	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.571	65	80099	29.518	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	98.400%		
60) 4-Bromofluorobenzene	12.847	95	75053	30.203	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	100.667%		
63) Toluene-d8	10.565	98	216384	28.887	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	96.300%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.124	85	246556	95.593	ug/l	99
3) Chloromethane	2.359	50	242223	93.014	ug/l	98
4) Vinyl Chloride	2.506	62	251220	95.008	ug/l	98
5) Bromomethane	2.936	94	144535	93.503	ug/l	100
6) Chloroethane	3.106	64	152824	91.555	ug/l	90
7) Trichlorofluoromethane	3.489	101	345388	95.078	ug/l	98
8) Diethyl Ether	3.959	74	124805	99.756	ug/l	96
9) 1,1,2-Trichlorotrifluo...	4.365	101	199737	95.751	ug/l	98
10) 1,1-Dichloroethene	4.336	96	186282	97.752	ug/l	98
11) Methyl Iodide	4.583	142	241406	105.701	ug/l	98
12) Methyl Acetate	5.018	43	281279	98.914	ug/l	97
13) Acrolein	4.177	56	108832	428.379	ug/l	99
14) Acrylonitrile	5.712	53	555218	504.428	ug/l	99
15) Acetone	4.424	58	134644	484.930	ug/l	95
16) Carbon Disulfide	4.706	76	547597	94.533	ug/l	96
17) Allyl chloride	5.018	41	308150	99.962	ug/l	97
18) Methylene Chloride	5.277	84	212750	93.689	ug/l	96
19) trans-1,2-Dichloroethene	5.783	96	193775	97.765	ug/l	99
20) Diisopropyl ether	6.665	45	703508	99.577	ug/l	96
21) 1,1-Dichloroethane	6.565	63	395631	95.790	ug/l #	96
22) cis-1,2-Dichloroethene	7.482	96	235386	99.731	ug/l	98
23) tert-Butyl Alcohol	5.512	59	188938	520.848	ug/l #	100
24) Methyl tert-Butyl Ether	5.794	73	641818	102.611	ug/l	97
25) Chloroform	7.965	83	393899	94.083	ug/l	99
26) Cyclohexane	8.253	56	327709	104.067	ug/l #	98
29) 1,1-Dichloropropene	8.371	75	283121	101.600	ug/l	100
30) 2-Butanone	7.477	43	753754	512.438	ug/l	99
31) 2,2-Dichloropropane	7.488	77	346752	98.201	ug/l	99
32) 1,1,1-Trichloroethane	8.165	97	347150	95.831	ug/l	98
33) Carbon Tetrachloride	8.359	117	306524	96.662	ug/l	95
34) Benzene	8.606	78	859140	97.537	ug/l	98
35) Methacrylonitrile	7.777	41	164485	101.017	ug/l	96
36) 1,2-Dichloroethane	8.671	62	304004	95.442	ug/l	99
37) Trichloroethene	9.353	130	189053	97.550	ug/l	97
38) Methylcyclohexane	9.600	83	311600	108.056	ug/l	93
39) 1,2-Dichloropropane	9.618	63	216881	96.777	ug/l	95
40) Dibromomethane	9.706	93	150157	96.103	ug/l	99
41) Bromodichloromethane	9.888	83	316593	96.956	ug/l	99
42) Vinyl Acetate	6.600	43	2741189	527.947	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.559	43	311058	102.259	ug/l	94
44) Isopropyl Acetate	8.688	43	516730	102.257	ug/l	99
45) 1,4-Dioxane	9.688	88	83662	2128.602	ug/l	97
46) Methyl methacrylate	9.676	41	246088	104.916	ug/l	98
47) n-amyl Acetate	12.494	43	469368	109.035	ug/l	95
48) t-1,3-Dichloropropene	10.835	75	328441	101.831	ug/l	97
49) cis-1,3-Dichloropropene	10.312	75	350611	101.113	ug/l	99
50) 1,1,2-Trichloroethane	11.012	97	195079	95.466	ug/l	98
51) Ethyl methacrylate	10.871	69	337682	109.258	ug/l	94
52) 1,3-Dichloropropane	11.159	76	354047	99.257	ug/l	98
53) Dibromochloromethane	11.359	129	230512	96.273	ug/l	98
54) 1,2-Dibromoethane	11.470	107	197287	99.764	ug/l	99
55) 2-Chloroethyl vinyl ether	10.159	63	794467	499.033	ug/l	100
56) Bromoform	12.576	173	155445	99.517	ug/l	98
58) 4-Methyl-2-Pentanone	10.441	43	1555548	500.192	ug/l	98
59) 2-Hexanone	11.194	43	1155911	511.643	ug/l	97
61) Tetrachloroethene	11.100	164	158376	92.479	ug/l	95
62) Toluene	10.629	91	906601	96.195	ug/l	99
64) Chlorobenzene	11.888	112	552038	97.120	ug/l	98
65) 1,1,1,2-Tetrachloroethane	11.959	131	196883	95.511	ug/l	99
66) Ethyl Benzene	11.965	91	1023076	103.167	ug/l	98
67) m/p-Xylenes	12.070	106	759711	204.205	ug/l	99
68) o-Xylene	12.394	106	365116	103.033	ug/l	99
69) Styrene	12.412	104	627310	104.745	ug/l	99
70) Isopropylbenzene	12.694	105	931902	104.729	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.935	83	299530	94.909	ug/l	99
72) 1,2,3-Trichloropropane	12.988	75	245228m	86.710	ug/l	
73) Bromobenzene	12.976	156	217768	99.063	ug/l	97
74) n-propylbenzene	13.035	91	1150009	103.738	ug/l	98
75) 2-Chlorotoluene	13.123	91	688133	103.043	ug/l	99
76) 1,3,5-Trimethylbenzene	13.170	105	795513	104.774	ug/l	100
77) t-1,4-Dichloro-2-butene	12.735	75	116397	106.032	ug/l	90
78) 4-Chlorotoluene	13.217	91	696441	102.569	ug/l	99
79) tert-butylbenzene	13.435	119	658635	106.072	ug/l	99
80) 1,2,4-Trimethylbenzene	13.482	105	802332	106.203	ug/l	99
81) sec-Butylbenzene	13.612	105	950101	105.983	ug/l	99
82) p-Isopropyltoluene	13.729	119	797992	108.087	ug/l	99
83) 1,3-Dichlorobenzene	13.729	146	414079	101.002	ug/l	99
84) 1,4-Dichlorobenzene	13.812	146	404547	101.995	ug/l	97
85) n-Butylbenzene	14.053	91	709360	111.289	ug/l	98
86) Hexachloroethane	14.335	117	156383	98.666	ug/l	99
87) 1,2-Dichlorobenzene	14.106	146	391699	100.567	ug/l	98
88) 1,2-Dibromo-3-Chloropr...	14.717	75	59160	102.685	ug/l	95
89) 1,2,4-Trichlorobenzene	15.841	180	195643	106.025	ug/l	100
90) Hexachlorobutadiene	15.500	225	88782	96.524	ug/l	94
91) Naphthalene	15.641	128	681808	114.999	ug/l	100
92) 1,2,3-Trichlorobenzene	15.841	180	195643	106.025	ug/l	100

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

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