

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122024\
 Data File : VN085273.D
 Acq On : 20 Dec 2024 10:29
 Operator : JC\MD
 Sample : VSTDICCC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Quant Time: Dec 21 01:54:49 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N122024W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Sat Dec 21 01:51:00 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.812	128	29576	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	153203	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	143051	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.577	65	78544	30.189	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	= 100.633%	
60) 4-Bromofluorobenzene	12.847	95	69746	30.099	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	= 100.333%	
63) Toluene-d8	10.565	98	215956	30.916	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	= 103.067%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	52267	21.135	ug/l	100
3) Chloromethane	2.359	50	51713	20.711	ug/l	100
4) Vinyl Chloride	2.512	62	51594	20.351	ug/l	100
5) Bromomethane	2.959	94	29293	19.765	ug/l	100
6) Chloroethane	3.118	64	33189	20.738	ug/l	100
7) Trichlorofluoromethane	3.500	101	71742	20.598	ug/l	100
8) Diethyl Ether	3.959	74	23223	19.360	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.371	101	41211	20.605	ug/l	100
10) 1,1-Dichloroethene	4.342	96	36049	19.730	ug/l	100
11) Methyl Iodide	4.589	142	42072	19.213	ug/l	100
12) Methyl Acetate	5.024	43	55461	20.341	ug/l	100
13) Acrolein	4.183	56	21739	89.245	ug/l	100
14) Acrylonitrile	5.718	53	105856	100.305	ug/l	100
15) Acetone	4.430	58	27144	101.962	ug/l	100
16) Carbon Disulfide	4.712	76	112335	20.226	ug/l	100
17) Allyl chloride	5.024	41	57914	19.594	ug/l	100
18) Methylene Chloride	5.271	84	44276	20.336	ug/l	100
19) trans-1,2-Dichloroethene	5.783	96	37932	19.960	ug/l	100
20) Diisopropyl ether	6.671	45	138751	20.483	ug/l	100
21) 1,1-Dichloroethane	6.565	63	80659	20.368	ug/l	100
22) cis-1,2-Dichloroethene	7.482	96	45052	19.908	ug/l	100
23) tert-Butyl Alcohol	5.518	59	33206	95.473	ug/l #	100
24) Methyl tert-Butyl Ether	5.800	73	118809	19.811	ug/l	100
25) Chloroform	7.965	83	82672	20.595	ug/l	100
26) Cyclohexane	8.253	56	59501	19.707	ug/l #	100
29) 1,1-Dichloropropene	8.371	75	53883	20.257	ug/l	100
30) 2-Butanone	7.477	43	143077	101.902	ug/l	100
31) 2,2-Dichloropropane	7.488	77	69250	20.546	ug/l	100
32) 1,1,1-Trichloroethane	8.165	97	71008	20.535	ug/l	100
33) Carbon Tetrachloride	8.359	117	61840	20.430	ug/l	100
34) Benzene	8.606	78	173626	20.650	ug/l	100
35) Methacrylonitrile	7.771	41	31344	20.166	ug/l	100
36) 1,2-Dichloroethane	8.665	62	62275	20.482	ug/l	100
37) Trichloroethene	9.347	130	37633	20.343	ug/l	100
38) Methylcyclohexane	9.600	83	51030	18.539	ug/l	100
39) 1,2-Dichloropropane	9.618	63	44023	20.579	ug/l	100
40) Dibromomethane	9.706	93	30578	20.502	ug/l	100
41) Bromodichloromethane	9.882	83	64696	20.756	ug/l	100
42) Vinyl Acetate	6.600	43	492149	99.300	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.553	43	56967	19.619	ug/l	100
44) Isopropyl Acetate	8.688	43	97067	20.124	ug/l	100
45) 1,4-Dioxane	9.688	88	15163	404.160	ug/l	100
46) Methyl methacrylate	9.682	41	44997	20.097	ug/l	100
47) n-amyl Acetate	12.494	43	80353	19.555	ug/l	100
48) t-1,3-Dichloropropene	10.829	75	60723	19.723	ug/l	100
49) cis-1,3-Dichloropropene	10.312	75	65832	19.889	ug/l	100
50) 1,1,2-Trichloroethane	11.012	97	41047	21.044	ug/l	100
51) Ethyl methacrylate	10.871	69	56707	19.221	ug/l	100
52) 1,3-Dichloropropane	11.159	76	70899	20.823	ug/l	100
53) Dibromochloromethane	11.359	129	47574	20.815	ug/l	100
54) 1,2-Dibromoethane	11.465	107	38439	20.363	ug/l	100
55) 2-Chloroethyl vinyl ether	10.159	63	149446	98.342	ug/l	100
56) Bromoform	12.576	173	30002	20.122	ug/l	100
58) 4-Methyl-2-Pentanone	10.441	43	303556	104.675	ug/l	100
59) 2-Hexanone	11.194	43	219043	103.973	ug/l	100
61) Tetrachloroethene	11.100	164	32838	20.563	ug/l	100
62) Toluene	10.629	91	181570	20.660	ug/l	100
64) Chlorobenzene	11.888	112	107869	20.351	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.959	131	40031	20.825	ug/l	100
66) Ethyl Benzene	11.965	91	183288	19.821	ug/l	100
67) m/p-Xylenes	12.070	106	143364	41.324	ug/l	100
68) o-Xylene	12.394	106	66310	20.067	ug/l	100
69) Styrene	12.412	104	113798	20.377	ug/l	100
70) Isopropylbenzene	12.694	105	165058	19.892	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.935	83	59675	20.277	ug/l	100
72) 1,2,3-Trichloropropane	12.994	75	48125m	19.213	ug/l	
73) Bromobenzene	12.976	156	42355	20.662	ug/l	100
74) n-propylbenzene	13.035	91	207704	20.092	ug/l	100
75) 2-Chlorotoluene	13.123	91	125363	20.131	ug/l	100
76) 1,3,5-Trimethylbenzene	13.170	105	144488	20.407	ug/l	100
77) t-1,4-Dichloro-2-butene	12.735	75	19212	18.768	ug/l	100
78) 4-Chlorotoluene	13.217	91	126859	20.036	ug/l	100
79) tert-butylbenzene	13.435	119	111921	19.329	ug/l	100
80) 1,2,4-Trimethylbenzene	13.482	105	142514	20.230	ug/l	100
81) sec-Butylbenzene	13.611	105	163388	19.545	ug/l	100
82) p-Isopropyltoluene	13.729	119	131247	19.064	ug/l	100
83) 1,3-Dichlorobenzene	13.729	146	78045	20.415	ug/l	100
84) 1,4-Dichlorobenzene	13.811	146	71930	19.448	ug/l	100
85) n-Butylbenzene	14.053	91	109530	18.428	ug/l	100
86) Hexachloroethane	14.329	117	30284	20.490	ug/l	100
87) 1,2-Dichlorobenzene	14.106	146	73249	20.167	ug/l	100
88) 1,2-Dibromo-3-Chloropr...	14.717	75	10690	19.898	ug/l	100
89) 1,2,4-Trichlorobenzene	15.835	180	32846	19.089	ug/l	100
90) Hexachlorobutadiene	15.500	225	17028	19.853	ug/l	100
91) Naphthalene	15.641	128	99596	18.015	ug/l	100
92) 1,2,3-Trichlorobenzene	15.835	180	32846	19.089	ug/l	100

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

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