

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122024\
 Data File : VN085279.D
 Acq On : 20 Dec 2024 13:08
 Operator : JC\MD
 Sample : VN1220WBS01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1220WBS01

Quant Time: Dec 21 02:22:40 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N122024W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Sat Dec 21 02:03:07 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.812	128	31867	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	172468	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	157990	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.577	65	82369	29.383	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	97.933%		
60) 4-Bromofluorobenzene	12.847	95	75523	29.511	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	98.367%		
63) Toluene-d8	10.565	98	230556	29.885	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	99.633%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.124	85	58801	22.068	ug/l	100
3) Chloromethane	2.353	50	57909	21.525	ug/l	99
4) Vinyl Chloride	2.512	62	57182	20.933	ug/l	100
5) Bromomethane	2.965	94	34973	21.901	ug/l	88
6) Chloroethane	3.124	64	36991	21.452	ug/l	95
7) Trichlorofluoromethane	3.495	101	83298	22.196	ug/l	99
8) Diethyl Ether	3.959	74	28568	22.103	ug/l	89
9) 1,1,2-Trichlorotrifluo...	4.371	101	46853	21.742	ug/l	99
10) 1,1-Dichloroethene	4.342	96	42324	21.499	ug/l	92
11) Methyl Iodide	4.589	142	51095	21.656	ug/l	96
12) Methyl Acetate	5.024	43	64902	22.076	ug/l	94
13) Acrolein	4.183	56	25390	96.740	ug/l	98
14) Acrylonitrile	5.718	53	122144	107.419	ug/l	99
15) Acetone	4.430	58	31986	111.512	ug/l	97
16) Carbon Disulfide	4.706	76	130253	21.766	ug/l	98
17) Allyl chloride	5.024	41	67255	21.119	ug/l	96
18) Methylene Chloride	5.271	84	48729	20.772	ug/l	98
19) trans-1,2-Dichloroethene	5.783	96	46096	22.512	ug/l	92
20) Diisopropyl ether	6.665	45	162292	22.236	ug/l	97
21) 1,1-Dichloroethane	6.565	63	91122	21.356	ug/l #	96
22) cis-1,2-Dichloroethene	7.483	96	51530	21.134	ug/l	99
23) tert-Butyl Alcohol	5.518	59	42197	112.602	ug/l #	100
24) Methyl tert-Butyl Ether	5.800	73	143241m	22.168	ug/l	
25) Chloroform	7.965	83	92306	21.342	ug/l	97
26) Cyclohexane	8.259	56	69979	21.511	ug/l #	97
29) 1,1-Dichloropropene	8.371	75	63380	21.166	ug/l	99
30) 2-Butanone	7.483	43	168111	106.358	ug/l	100
31) 2,2-Dichloropropane	7.488	77	81068	21.365	ug/l	100
32) 1,1,1-Trichloroethane	8.165	97	81181	20.855	ug/l	98
33) Carbon Tetrachloride	8.359	117	70681	20.742	ug/l	97
34) Benzene	8.600	78	201036	21.239	ug/l	98
35) Methacrylonitrile	7.777	41	35070	20.043	ug/l	99
36) 1,2-Dichloroethane	8.671	62	70279	20.533	ug/l	98
37) Trichloroethene	9.353	130	43632	20.951	ug/l	95
38) Methylcyclohexane	9.600	83	64407	20.785	ug/l	96
39) 1,2-Dichloropropane	9.618	63	50298	20.886	ug/l	99
40) Dibromomethane	9.706	93	33809	20.136	ug/l	99
41) Bromodichloromethane	9.888	83	72199	20.576	ug/l	98
42) Vinyl Acetate	6.600	43	589376	105.634	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.559	43	67695	20.710	ug/l	100
44) Isopropyl Acetate	8.688	43	113930	20.981	ug/l	100
45) 1,4-Dioxane	9.688	88	18231	431.656	ug/l	97
46) Methyl methacrylate	9.682	41	51888	20.586	ug/l	98
47) n-amyl Acetate	12.494	43	96610	20.885	ug/l	98
48) t-1,3-Dichloropropene	10.835	75	72734	20.986	ug/l	98
49) cis-1,3-Dichloropropene	10.306	75	77160	20.708	ug/l	98
50) 1,1,2-Trichloroethane	11.012	97	44590	20.307	ug/l	97
51) Ethyl methacrylate	10.871	69	68191	20.532	ug/l	90
52) 1,3-Dichloropropane	11.159	76	79663	20.784	ug/l	98
53) Dibromochloromethane	11.359	129	51104	19.862	ug/l	95
54) 1,2-Dibromoethane	11.465	107	44206	20.803	ug/l	100
55) 2-Chloroethyl vinyl ether	10.159	63	146313	85.526	ug/l	99
56) Bromoform	12.576	173	33750	20.107	ug/l	96
58) 4-Methyl-2-Pentanone	10.441	43	343878	107.366	ug/l	98
59) 2-Hexanone	11.194	43	253134	108.794	ug/l	99
61) Tetrachloroethene	11.100	164	37769	21.414	ug/l	93
62) Toluene	10.629	91	205901	21.213	ug/l	100
64) Chlorobenzene	11.888	112	124927	21.340	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.959	131	45676	21.515	ug/l	98
66) Ethyl Benzene	11.965	91	214011	20.955	ug/l	98
67) m/p-Xylenes	12.070	106	167058	43.601	ug/l	99
68) o-Xylene	12.400	106	75761	20.759	ug/l	96
69) Styrene	12.412	104	129473	20.991	ug/l	99
70) Isopropylbenzene	12.694	105	197876	21.592	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.935	83	66902	20.583	ug/l	98
72) 1,2,3-Trichloropropane	12.988	75	55463m	20.049	ug/l	
73) Bromobenzene	12.976	156	47232	20.862	ug/l	98
74) n-propylbenzene	13.035	91	241564	21.158	ug/l	99
75) 2-Chlorotoluene	13.123	91	145458	21.149	ug/l	99
76) 1,3,5-Trimethylbenzene	13.170	105	166889	21.343	ug/l	99
77) t-1,4-Dichloro-2-butene	12.735	75	22772	20.142	ug/l	95
78) 4-Chlorotoluene	13.217	91	148920	21.296	ug/l	99
79) tert-butylbenzene	13.435	119	132786	20.764	ug/l	99
80) 1,2,4-Trimethylbenzene	13.482	105	168429	21.639	ug/l	99
81) sec-Butylbenzene	13.617	105	196906	21.327	ug/l	99
82) p-Isopropyltoluene	13.729	119	162229	21.336	ug/l	99
83) 1,3-Dichlorobenzene	13.729	146	90298	21.386	ug/l	99
84) 1,4-Dichlorobenzene	13.812	146	87338	21.381	ug/l	97
85) n-Butylbenzene	14.053	91	135719	20.675	ug/l	99
86) Hexachloroethane	14.329	117	33892	20.763	ug/l	98
87) 1,2-Dichlorobenzene	14.106	146	86248	21.501	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	14.717	75	12330	20.780	ug/l	93
89) 1,2,4-Trichlorobenzene	15.841	180	41045	21.598	ug/l	98
90) Hexachlorobutadiene	15.500	225	20172	21.295	ug/l	88
91) Naphthalene	15.641	128	125165	20.499	ug/l	99
92) 1,2,3-Trichlorobenzene	15.841	180	41045	21.598	ug/l	98

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

