

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050725\
 Data File : VN086529.D
 Acq On : 07 May 2025 11:38
 Operator : JC\MD
 Sample : VN0507WBS01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0507WBS01

Quant Time: May 08 03:24:48 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N042325W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Apr 24 04:42:24 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 05/08/2025
 Supervised By : Mahesh Dadoda 05/08/2025

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

Internal Standards						
1) Bromochloromethane	7.812	128	35227	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	207904	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	189799	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.577	65	95686	28.173	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	93.900%		
60) 4-Bromofluorobenzene	12.847	95	105269	28.220	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	94.067%		
63) Toluene-d8	10.565	98	306966	29.398	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	98.000%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.124	85	49693	20.433	ug/l	100
3) Chloromethane	2.360	50	61410	17.776	ug/l	98
4) Vinyl Chloride	2.512	62	59994	18.132	ug/l	100
5) Bromomethane	2.965	94	35421	20.505	ug/l	100
6) Chloroethane	3.124	64	39632	17.967	ug/l	95
7) Trichlorofluoromethane	3.501	101	85177	21.809	ug/l	100
8) Diethyl Ether	3.959	74	32787	19.888	ug/l	94
9) 1,1,2-Trichlorotrifluo...	4.371	101	51857	21.598	ug/l	99
10) 1,1-Dichloroethene	4.348	96	50156	20.409	ug/l	93
11) Methyl Iodide	4.589	142	61346	21.334	ug/l	94
12) Methyl Acetate	5.018	43	59835	17.178	ug/l	97
13) Acrolein	4.177	56	19913	124.053	ug/l	98
14) Acrylonitrile	5.718	53	123799	95.493	ug/l	99
15) Acetone	4.424	58	31547	88.309	ug/l	87
16) Carbon Disulfide	4.712	76	128162	19.791	ug/l	96
17) Allyl chloride	5.024	41	73712	18.758	ug/l	93
18) Methylene Chloride	5.277	84	56521	20.196	ug/l	94
19) trans-1,2-Dichloroethene	5.783	96	53643	20.479	ug/l	94
20) Diisopropyl ether	6.671	45	170573	18.256	ug/l	96
21) 1,1-Dichloroethane	6.565	63	98864	19.331	ug/l	97
22) cis-1,2-Dichloroethene	7.483	96	66113	20.185	ug/l	93
23) tert-Butyl Alcohol	5.512	59	51585	102.716	ug/l #	15
24) Methyl tert-Butyl Ether	5.795	73	180212	19.847	ug/l	98
25) Chloroform	7.965	83	102100	19.725	ug/l	97
26) Cyclohexane	8.253	56	82419	18.251	ug/l #	94
29) 1,1-Dichloropropene	8.365	75	72698	19.835	ug/l	98
30) 2-Butanone	7.477	43	166883	93.809	ug/l	98
31) 2,2-Dichloropropane	7.483	77	93070	19.754	ug/l	100
32) 1,1,1-Trichloroethane	8.165	97	90682	20.705	ug/l	99
33) Carbon Tetrachloride	8.359	117	77346	21.452	ug/l	100
34) Benzene	8.600	78	228956	19.640	ug/l	98
35) Methacrylonitrile	7.777	41	36565	18.018	ug/l	97
36) 1,2-Dichloroethane	8.665	62	76770	20.284	ug/l	98
37) Trichloroethene	9.347	130	60401	20.697	ug/l	94
38) Methylcyclohexane	9.600	83	83891	19.818	ug/l	96
39) 1,2-Dichloropropane	9.618	63	54930	19.073	ug/l	95
40) Dibromomethane	9.706	93	38721	20.105	ug/l	90
41) Bromodichloromethane	9.883	83	81178	19.918	ug/l	98
42) Vinyl Acetate	6.600	43	609823	98.957	ug/l	98

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43) Ethyl Acetate	7.553	43	61094	17.354	ug/l	99
44) Isopropyl Acetate	8.683	43	125550	18.790	ug/l	100
45) 1,4-Dioxane	9.688	88	22655	434.568	ug/l	91
46) Methyl methacrylate	9.677	41	56069	18.192	ug/l	98
47) n-amyl Acetate	12.488	43	99917	17.545	ug/l	100
48) t-1,3-Dichloropropene	10.830	75	87215	19.141	ug/l	97
49) cis-1,3-Dichloropropene	10.306	75	91912	19.128	ug/l	96
50) 1,1,2-Trichloroethane	11.012	97	55429	20.605	ug/l	98
51) Ethyl methacrylate	10.871	69	88826	18.959	ug/l	96
52) 1,3-Dichloropropane	11.159	76	93003	19.561	ug/l	99
53) Dibromochloromethane	11.353	129	61725	20.434	ug/l	99
54) 1,2-Dibromoethane	11.465	107	55476	20.282	ug/l	100
55) 2-Chloroethyl vinyl ether	10.153	63	183472	83.292	ug/l	97
56) Bromoform	12.577	173	40060	20.436	ug/l	99
58) 4-Methyl-2-Pentanone	10.441	43	347579	94.634	ug/l	98
59) 2-Hexanone	11.194	43	250616	92.593	ug/l	98
61) Tetrachloroethene	11.100	164	63549	21.953	ug/l	97
62) Toluene	10.630	91	259875	20.456	ug/l	100
64) Chlorobenzene	11.888	112	165779	20.942	ug/l	98
65) 1,1,1,2-Tetrachloroethane	11.959	131	56045	21.174	ug/l	99
66) Ethyl Benzene	11.959	91	285109	19.937	ug/l	100
67) m/p-Xylenes	12.065	106	219872	40.523	ug/l	98
68) o-Xylene	12.394	106	107590	20.252	ug/l	95
69) Styrene	12.406	104	174917	19.425	ug/l	99
70) Isopropylbenzene	12.694	105	268091	20.216	ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.935	83	72423	20.740	ug/l	99
72) 1,2,3-Trichloropropane	12.988	75	69523m	22.837	ug/l	
73) Bromobenzene	12.976	156	64061	21.011	ug/l	91
74) n-propylbenzene	13.029	91	308169	19.555	ug/l	98
75) 2-Chlorotoluene	13.124	91	192394	19.557	ug/l	98
76) 1,3,5-Trimethylbenzene	13.171	105	215137	19.771	ug/l	98
77) t-1,4-Dichloro-2-butene	12.735	75	26911	17.418	ug/l	97
78) 4-Chlorotoluene	13.218	91	190763	19.394	ug/l	98
79) tert-butylbenzene	13.435	119	188339	20.210	ug/l	96
80) 1,2,4-Trimethylbenzene	13.476	105	218972	19.704	ug/l	97
81) sec-Butylbenzene	13.612	105	258052	19.398	ug/l	97
82) p-Isopropyltoluene	13.724	119	218867	19.662	ug/l	99
83) 1,3-Dichlorobenzene	13.729	146	117137	20.324	ug/l	99
84) 1,4-Dichlorobenzene	13.812	146	115464	20.277	ug/l	98
85) n-Butylbenzene	14.053	91	182415	18.366	ug/l	99
86) Hexachloroethane	14.329	117	34453	18.929	ug/l	96
87) 1,2-Dichlorobenzene	14.100	146	112682	20.548	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	14.712	75	13383	18.856	ug/l	94
89) 1,2,4-Trichlorobenzene	15.835	180	52162	20.870	ug/l	99
90) Hexachlorobutadiene	15.500	225	21757	21.611	ug/l	96
91) Naphthalene	15.635	128	176502	19.725	ug/l	99
92) 1,2,3-Trichlorobenzene	15.835	180	52162	20.870	ug/l	99

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

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