

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN080725\
 Data File : VN087484.D
 Acq On : 07 Aug 2025 10:35
 Operator : JC\MD
 Sample : VN0807WBS01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0807WBS01

Manual Integrations
 APPROVED

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

Quant Time: Aug 08 01:15:59 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N080525W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Aug 06 02:01:21 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.800	128	58607	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.082	114	336486	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.847	117	303451	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.565	65	171175	31.666	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 105.567%			
60) 4-Bromofluorobenzene	12.829	95	156075	29.887	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 99.633%			
63) Toluene-d8	10.547	98	423840	30.356	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 101.200%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.142	85	86150	22.514	ug/l	98
3) Chloromethane	2.383	50	89533	22.806	ug/l	99
4) Vinyl Chloride	2.536	62	93165	22.375	ug/l	97
5) Bromomethane	2.983	94	51558	22.876	ug/l	91
6) Chloroethane	3.136	64	63496	23.648	ug/l	90
7) Trichlorofluoromethane	3.512	101	135626	22.633	ug/l	99
8) Diethyl Ether	3.965	74	58248	23.331	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.365	101	68558	22.435	ug/l	88
10) 1,1-Dichloroethene	4.336	96	72565	22.607	ug/l	99
11) Methyl Iodide	4.577	142	47664	18.859	ug/l	91
12) Methyl Acetate	5.018	43	133681	22.568	ug/l	93
13) Acrolein	4.177	56	120206	132.868	ug/l	100
14) Acrylonitrile	5.712	53	286052	110.593	ug/l	99
15) Acetone	4.424	58	93939	127.110	ug/l	94
16) Carbon Disulfide	4.706	76	211946	21.286	ug/l	100
17) Allyl chloride	5.012	41	147706	22.576	ug/l	93
18) Methylene Chloride	5.265	84	90834	21.982	ug/l	89
19) trans-1,2-Dichloroethene	5.771	96	81480	21.346	ug/l	97
20) Diisopropyl ether	6.659	45	337972	22.676	ug/l	99
21) 1,1-Dichloroethane	6.553	63	172595	22.403	ug/l	99
22) cis-1,2-Dichloroethene	7.471	96	104326	22.213	ug/l	99
23) tert-Butyl Alcohol	5.524	59	116400	105.906	ug/l #	100
24) Methyl tert-Butyl Ether	5.783	73	320284	21.898	ug/l	100
25) Chloroform	7.953	83	179874	22.368	ug/l	97
26) Cyclohexane	8.241	56	140346	22.753	ug/l #	94
29) 1,1-Dichloropropene	8.353	75	118205	21.538	ug/l	97
30) 2-Butanone	7.471	43	445086	110.023	ug/l	98
31) 2,2-Dichloropropane	7.477	77	155429	21.959	ug/l	99
32) 1,1,1-Trichloroethane	8.153	97	151094	21.586	ug/l	97
33) Carbon Tetrachloride	8.341	117	124461	21.404	ug/l #	97
34) Benzene	8.588	78	369683	21.339	ug/l	97
35) Methacrylonitrile	7.759	41	92488	21.186	ug/l	93
36) 1,2-Dichloroethane	8.653	62	150479	21.491	ug/l	99
37) Trichloroethene	9.335	130	83072	21.769	ug/l	91
38) Methylcyclohexane	9.582	83	129809	20.388	ug/l	99
39) 1,2-Dichloropropane	9.606	63	94093	21.184	ug/l	97
40) Dibromomethane	9.694	93	70447	21.138	ug/l	98
41) Bromodichloromethane	9.871	83	146057	21.091	ug/l #	96
42) Vinyl Acetate	6.588	43	1562641	117.296	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.553	43	148275	18.973	ug/l	95
44) Isopropyl Acetate	8.676	43	282553	21.329	ug/l	100
45) 1,4-Dioxane	9.682	88	34399	407.315	ug/l	95
46) Methyl methacrylate	9.665	41	128044	20.476	ug/l	97
47) n-amyl Acetate	12.529	43	156054m	21.324	ug/l	
48) t-1,3-Dichloropropene	10.818	75	158389	21.023	ug/l	99
49) cis-1,3-Dichloropropene	10.294	75	159248	21.003	ug/l	96
50) 1,1,2-Trichloroethane	11.000	97	89655	21.292	ug/l	95
51) Ethyl methacrylate	10.859	69	158153	21.327	ug/l	92
52) 1,3-Dichloropropane	11.147	76	161718	21.318	ug/l	97
53) Dibromochloromethane	11.341	129	103403	21.264	ug/l	99
54) 1,2-Dibromoethane	11.447	107	94192	21.072	ug/l	98
55) 2-Chloroethyl vinyl ether	10.141	63	372103	95.317	ug/l	100
56) Bromoform	12.564	173	64731	20.125	ug/l #	96
58) 4-Methyl-2-Pentanone	10.429	43	847747	108.600	ug/l	100
59) 2-Hexanone	11.182	43	569737	107.418	ug/l	99
61) Tetrachloroethene	11.082	164	62979	21.303	ug/l	98
62) Toluene	10.612	91	402663	21.499	ug/l	99
64) Chlorobenzene	11.870	112	246686	21.435	ug/l	95
65) 1,1,1,2-Tetrachloroethane	11.941	131	85595	21.154	ug/l	98
66) Ethyl Benzene	11.941	91	444537	21.295	ug/l	98
67) m/p-Xylenes	12.053	106	324528	42.353	ug/l	99
68) o-Xylene	12.376	106	160575	21.301	ug/l	97
69) Styrene	12.394	104	271371	21.083	ug/l	98
70) Isopropylbenzene	12.676	105	410330	21.425	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.917	83	143758	21.908	ug/l	100
72) 1,2,3-Trichloropropane	12.976	75	124085m	20.298	ug/l	
73) Bromobenzene	12.964	156	91817	20.681	ug/l	97
74) n-propylbenzene	13.011	91	513292	21.460	ug/l	100
75) 2-Chlorotoluene	13.106	91	315308	21.431	ug/l	99
76) 1,3,5-Trimethylbenzene	13.153	105	348393	21.246	ug/l	98
77) t-1,4-Dichloro-2-butene	12.717	75	47337	20.456	ug/l	96
78) 4-Chlorotoluene	13.200	91	323678	21.709	ug/l	98
79) tert-butylbenzene	13.417	119	290229	20.992	ug/l	97
80) 1,2,4-Trimethylbenzene	13.459	105	357313	21.807	ug/l	96
81) sec-Butylbenzene	13.594	105	438672	21.795	ug/l	100
82) p-Isopropyltoluene	13.706	119	358154	21.431	ug/l	99
83) 1,3-Dichlorobenzene	13.711	146	184984	21.880	ug/l	98
84) 1,4-Dichlorobenzene	13.794	146	182880	21.336	ug/l	99
85) n-Butylbenzene	14.035	91	353381	21.613	ug/l	99
86) Hexachloroethane	14.311	117	67812	20.779	ug/l	98
87) 1,2-Dichlorobenzene	14.082	146	176686	21.894	ug/l	98
88) 1,2-Dibromo-3-Chloropr...	14.694	75	35639	21.439	ug/l	96
89) 1,2,4-Trichlorobenzene	15.811	180	102386	21.229	ug/l	100
90) Hexachlorobutadiene	15.476	225	38208	20.373	ug/l	96
91) Naphthalene	15.611	128	383520	20.855	ug/l	99
92) 1,2,3-Trichlorobenzene	15.811	180	102386	21.229	ug/l	100

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

