

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN053025\
 Data File : VN086828.D
 Acq On : 30 May 2025 12:25
 Operator : JC\MD
 Sample : VN0530WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0530WBSD01

Manual Integrations
 APPROVED

Reviewed By :John
 Carlone

Quant Time: May 31 03:45:27 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N052925W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri May 30 02:22:52 2025
 Response via : Initial Calibration

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

Internal Standards						06/02/2025
1) Bromochloromethane	7.806	128	51567	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.094	114	315653	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	268588	30.000	ug/l	0.00
System Monitoring Compounds						06/02/2025
27) 1,2-Dichloroethane-d4	8.571	65	112797	31.836	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	106.133%
60) 4-Bromofluorobenzene	12.847	95	124097	29.428	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	98.100%
63) Toluene-d8	10.565	98	371156	30.107	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	100.367%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.130	85	63147	18.030	ug/l	98
3) Chloromethane	2.371	50	115304	25.534	ug/l	99
4) Vinyl Chloride	2.530	62	71913	17.305	ug/l	100
5) Bromomethane	2.983	94	31402	14.262	ug/l	99
6) Chloroethane	3.136	64	46210	18.181	ug/l	95
7) Trichlorofluoromethane	3.500	101	92982	19.104	ug/l	100
8) Diethyl Ether	3.942	74	41182	20.284	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.353	101	57794	19.375	ug/l	98
10) 1,1-Dichloroethene	4.324	96	59772	19.655	ug/l	95
11) Methyl Iodide	4.571	142	44983	12.548	ug/l	99
12) Methyl Acetate	5.006	43	68165	20.183	ug/l	98
13) Acrolein	4.165	56	48410	138.752	ug/l	99
14) Acrylonitrile	5.706	53	159858	101.714	ug/l	99
15) Acetone	4.412	58	40883	102.739	ug/l	89
16) Carbon Disulfide	4.694	76	160690	18.102	ug/l	98
17) Allyl chloride	5.012	41	90644m	20.064	ug/l	
18) Methylene Chloride	5.259	84	68294	19.338	ug/l	97
19) trans-1,2-Dichloroethene	5.771	96	62940	19.777	ug/l	96
20) Diisopropyl ether	6.665	45	205250	20.628	ug/l	96
21) 1,1-Dichloroethane	6.559	63	116431	19.390	ug/l	99
22) cis-1,2-Dichloroethene	7.477	96	78717	20.425	ug/l	98
23) tert-Butyl Alcohol	5.506	59	56982	112.903	ug/l #	100
24) Methyl tert-Butyl Ether	5.783	73	217597	21.711	ug/l	99
25) Chloroform	7.959	83	117124	19.928	ug/l	99
26) Cyclohexane	8.253	56	102875	19.795	ug/l #	95
29) 1,1-Dichloropropene	8.365	75	84767	18.265	ug/l	99
30) 2-Butanone	7.477	43	201208	98.948	ug/l	99
31) 2,2-Dichloropropane	7.482	77	101257	18.483	ug/l	100
32) 1,1,1-Trichloroethane	8.159	97	99766	18.544	ug/l	98
33) Carbon Tetrachloride	8.353	117	83753	18.212	ug/l	94
34) Benzene	8.600	78	276448	18.307	ug/l	96
35) Methacrylonitrile	7.771	41	47488	20.330	ug/l	99
36) 1,2-Dichloroethane	8.665	62	83985	18.980	ug/l	99
37) Trichloroethene	9.347	130	68784	16.422	ug/l	99
38) Methylcyclohexane	9.594	83	100057	19.431	ug/l	99
39) 1,2-Dichloropropane	9.618	63	65437	18.000	ug/l	96
40) Dibromomethane	9.706	93	44386	18.667	ug/l	96
41) Bromodichloromethane	9.888	83	94265	18.939	ug/l	98
42) Vinyl Acetate	6.594	43	697963	117.753	ug/l	99

06/02/2025
 Supervised By :Mahesh
 Radoda

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.553	43	82384m	19.799	ug/l	99
44) Isopropyl Acetate	8.682	43	147757	20.700	ug/l	99
45) 1,4-Dioxane	9.694	88	24883	392.214	ug/l	97
46) Methyl methacrylate	9.676	41	67467	20.499	ug/l	98
47) n-amyl Acetate	12.500	43	110331	19.254	ug/l	95
48) t-1,3-Dichloropropene	10.835	75	105360	19.782	ug/l	98
49) cis-1,3-Dichloropropene	10.312	75	113730	19.413	ug/l	98
50) 1,1,2-Trichloroethane	11.012	97	65325	19.506	ug/l	96
51) Ethyl methacrylate	10.876	69	111111	20.486	ug/l	94
52) 1,3-Dichloropropane	11.159	76	110485	18.590	ug/l	98
53) Dibromochloromethane	11.359	129	70648	18.668	ug/l	99
54) 1,2-Dibromoethane	11.465	107	64781	18.924	ug/l	99
55) 2-Chloroethyl vinyl ether	10.159	63	279602	107.397	ug/l	99
56) Bromoform	12.576	173	44061	18.478	ug/l	99
58) 4-Methyl-2-Pentanone	10.441	43	407178	103.316	ug/l	99
59) 2-Hexanone	11.200	43	263712	93.415	ug/l	99
61) Tetrachloroethene	11.100	164	67531	14.958	ug/l	93
62) Toluene	10.629	91	292987	19.369	ug/l	100
64) Chlorobenzene	11.888	112	182190	18.886	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.959	131	63016	19.884	ug/l	98
66) Ethyl Benzene	11.959	91	314261	19.207	ug/l	97
67) m/p-Xylenes	12.070	106	245274	38.202	ug/l	98
68) o-Xylene	12.394	106	120501	19.366	ug/l	100
69) Styrene	12.412	104	199984	19.291	ug/l	99
70) Isopropylbenzene	12.694	105	287885	19.452	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.935	83	86177	24.491	ug/l	98
72) 1,2,3-Trichloropropane	12.994	75	72599m	17.604	ug/l	99
73) Bromobenzene	12.982	156	69450	18.880	ug/l	99
74) n-propylbenzene	13.035	91	328839	18.759	ug/l	100
75) 2-Chlorotoluene	13.123	91	204872	18.208	ug/l	97
76) 1,3,5-Trimethylbenzene	13.170	105	237287	19.273	ug/l	98
77) t-1,4-Dichloro-2-butene	12.735	75	36663	21.725	ug/l	91
78) 4-Chlorotoluene	13.217	91	202801	18.195	ug/l	99
79) tert-butylbenzene	13.435	119	198149	18.615	ug/l	98
80) 1,2,4-Trimethylbenzene	13.482	105	236742	19.157	ug/l	99
81) sec-Butylbenzene	13.611	105	271180	18.700	ug/l	99
82) p-Isopropyltoluene	13.729	119	231367	19.001	ug/l	99
83) 1,3-Dichlorobenzene	13.735	146	120576	17.868	ug/l	99
84) 1,4-Dichlorobenzene	13.811	146	121374	18.074	ug/l	99
85) n-Butylbenzene	14.053	91	192958	18.928	ug/l	98
86) Hexachloroethane	14.329	117	38399	18.503	ug/l	96
87) 1,2-Dichlorobenzene	14.106	146	119611	18.374	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	14.717	75	16966	22.897	ug/l	92
89) 1,2,4-Trichlorobenzene	15.835	180	61423	22.546	ug/l	96
90) Hexachlorobutadiene	15.500	225	21148	18.112	ug/l	98
91) Naphthalene	15.641	128	228867	24.078	ug/l	99
92) 1,2,3-Trichlorobenzene	15.835	180	61423	22.546	ug/l	96

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

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CarloneAbundance TIC: VN086828.D\data.ms

06/02/2025

A. B. Eth-
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