

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112525\
 Data File : VN088357.D
 Acq On : 25 Nov 2025 13:04
 Operator : JC\MD
 Sample : Q3530-07 2.5PPB
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT4-2025

Quant Time: Nov 26 00:34:40 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N111325W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Nov 14 00:49:21 2025
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By :John Carlone 11/26/2025
 Supervised By :Mahesh Dadoda 11/26/2025

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

Internal Standards						
1) Bromochloromethane	7.800	128	52303	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.083	114	280890	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.841	117	247701	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.559	65	138550	29.000	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	96.667%		
60) 4-Bromofluorobenzene	12.829	95	110347	26.353	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	87.833%		
63) Toluene-d8	10.547	98	354740	30.250	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	100.833%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.142	85	7950	2.162	ug/l	90
3) Chloromethane	2.383	50	11340	2.992	ug/l	95
4) Vinyl Chloride	2.536	62	10361	2.585	ug/l	93
5) Bromomethane	2.983	94	6440	3.013	ug/l	97
6) Chloroethane	3.142	64	6844	2.762	ug/l	94
7) Trichlorofluoromethane	3.518	101	15291	2.721	ug/l	94
8) Diethyl Ether	3.959	74	6098	2.903	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.371	101	8898m	3.018	ug/l	
10) 1,1-Dichloroethene	4.336	96	8476m	2.947	ug/l	
11) Methyl Iodide	4.583	142	7394m	2.416	ug/l	
12) Methyl Acetate	5.012	43	14511m	3.127	ug/l	
13) Acrolein	4.183	56	10807	15.831	ug/l #	71
14) Acrylonitrile	5.706	53	31606m	14.991	ug/l	
15) Acetone	4.424	58	6012m	9.751	ug/l	
16) Carbon Disulfide	4.706	76	28334	2.921	ug/l #	94
17) Allyl chloride	5.024	41	15415	2.758	ug/l	84
18) Methylene Chloride	5.277	84	11536m	3.227	ug/l	
19) trans-1,2-Dichloroethene	5.777	96	8733	2.608	ug/l #	89
20) Diisopropyl ether	6.659	45	30801	2.579	ug/l #	99
21) 1,1-Dichloroethane	6.553	63	18564	2.759	ug/l	97
22) cis-1,2-Dichloroethene	7.471	96	10279	2.641	ug/l	96
23) tert-Butyl Alcohol	5.512	59	10871m	14.022	ug/l	
24) Methyl tert-Butyl Ether	5.783	73	30607m	2.639	ug/l	
25) Chloroform	7.947	83	19040m	2.856	ug/l	
26) Cyclohexane	8.242	56	14649	2.578	ug/l #	95
29) 1,1-Dichloropropene	8.347	75	11730	2.503	ug/l	84
30) 2-Butanone	7.471	43	34312	11.318	ug/l #	96
31) 2,2-Dichloropropane	7.471	77	14984	2.592	ug/l #	73
32) 1,1,1-Trichloroethane	8.153	97	16068	2.781	ug/l #	79
33) Carbon Tetrachloride	8.342	117	13120	2.659	ug/l	93
34) Benzene	8.583	78	39915	2.849	ug/l #	60
35) Methacrylonitrile	7.765	41	8222	2.600	ug/l	95
36) 1,2-Dichloroethane	8.653	62	16051	2.944	ug/l	97
37) Trichloroethene	9.336	130	9702	3.056	ug/l	93
38) Methylcyclohexane	9.583	83	13202	2.457	ug/l	98
39) 1,2-Dichloropropane	9.600	63	9643	2.668	ug/l #	88
40) Dibromomethane	9.688	93	8022	3.089	ug/l	98
41) Bromodichloromethane	9.871	83	14117	2.700	ug/l	97
42) Vinyl Acetate	6.589	43	121362	11.994	ug/l	100

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43) Ethyl Acetate	7.553	43	17071	2.799	ug/l	98
44) Isopropyl Acetate	8.671	43	25147	2.675	ug/l	100
45) 1,4-Dioxane	9.688	88	2534	44.762	ug/l #	67
46) Methyl methacrylate	9.665	41	10983	2.497	ug/l	94
47) n-amyl Acetate	12.694	43	8329m	1.748	ug/l	
48) t-1,3-Dichloropropene	10.818	75	13600	2.432	ug/l	99
49) cis-1,3-Dichloropropene	10.288	75	15330	2.635	ug/l #	84
50) 1,1,2-Trichloroethane	10.994	97	9393	2.925	ug/l	95
51) Ethyl methacrylate	10.853	69	10841	2.052	ug/l	91
52) 1,3-Dichloropropane	11.141	76	16147	2.761	ug/l	100
53) Dibromochloromethane	11.341	129	10374	2.813	ug/l	94
54) 1,2-Dibromoethane	11.453	107	9665	2.897	ug/l	86
55) 2-Chloroethyl vinyl ether	10.141	63	29011	9.533	ug/l	97
56) Bromoform	12.559	173	6262	2.682	ug/l #	91
58) 4-Methyl-2-Pentanone	10.424	43	74278	13.258	ug/l	100
59) 2-Hexanone	11.183	43	30369	8.163	ug/l	98
61) Tetrachloroethene	11.083	164	9014	3.530	ug/l	94
62) Toluene	10.612	91	41224	2.900	ug/l	100
64) Chlorobenzene	11.871	112	24114	2.739	ug/l	94
65) 1,1,1,2-Tetrachloroethane	11.935	131	8747	2.903	ug/l	94
66) Ethyl Benzene	11.941	91	39680	2.533	ug/l	95
67) m/p-Xylenes	12.047	106	28266	4.825	ug/l	96
68) o-Xylene	12.377	106	13283	2.403	ug/l	99
69) Styrene	12.394	104	21163	2.255	ug/l	95
70) Isopropylbenzene	12.677	105	32937	2.249	ug/l	97
71) 1,1,2,2-Tetrachloroethane	12.918	83	12153	2.562	ug/l	92
72) 1,2,3-Trichloropropane	12.977	75	12938m	2.815	ug/l	
73) Bromobenzene	12.959	156	8457	2.558	ug/l	96
74) n-propylbenzene	13.012	91	43303	2.389	ug/l	100
75) 2-Chlorotoluene	13.106	91	29745	2.699	ug/l	97
76) 1,3,5-Trimethylbenzene	13.147	105	27983	2.276	ug/l	100
77) t-1,4-Dichloro-2-butene	12.724	75	2745	1.739	ug/l	78
78) 4-Chlorotoluene	13.206	91	24034	2.152	ug/l	89
79) tert-butylbenzene	13.418	119	23860	2.267	ug/l	98
80) 1,2,4-Trimethylbenzene	13.465	105	25960	2.123	ug/l	95
81) sec-Butylbenzene	13.594	105	35198	2.293	ug/l	97
82) p-Isopropyltoluene	13.706	119	26651	2.101	ug/l	98
83) 1,3-Dichlorobenzene	13.718	146	16552	2.576	ug/l	98
84) 1,4-Dichlorobenzene	13.794	146	16236	2.495	ug/l	95
85) n-Butylbenzene	14.035	91	25140	2.079	ug/l	98
86) Hexachloroethane	14.312	117	5519	2.272	ug/l	94
87) 1,2-Dichlorobenzene	14.088	146	15009	2.475	ug/l	98
88) 1,2-Dibromo-3-Chloropr...	14.700	75	3432m	3.078	ug/l	
89) 1,2,4-Trichlorobenzene	15.818	180	8611	2.530	ug/l	97
90) Hexachlorobutadiene	15.482	225	3496m	2.645	ug/l	
91) Naphthalene	15.618	128	26691	2.168	ug/l	97
92) 1,2,3-Trichlorobenzene	15.818	180	8611	2.530	ug/l	97

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

