

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN053025\
 Data File : VN086826.D
 Acq On : 30 May 2025 09:59
 Operator : JC\MD
 Sample : VSTDC0020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDC0020

Manual Integrations
 APPROVED

Reviewed By : John Carlone 06/02/2025
 Supervised By : Mahesh Dadoda 06/02/2025

Quant Time: May 31 03:43:39 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						
1) Bromochloromethane	7.806	128	54134	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.094	114	326504	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	274135	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.571	65	112410	30.223	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 100.733%			
60) 4-Bromofluorobenzene	12.847	95	126595	29.413	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 98.033%			
63) Toluene-d8	10.565	98	382077	30.366	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 101.233%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	68350	18.590	ug/l	96
3) Chloromethane	2.371	50	150394	31.726	ug/l	98
4) Vinyl Chloride	2.530	62	76654	17.571	ug/l	96
5) Bromomethane	2.977	94	32251	13.953	ug/l	97
6) Chloroethane	3.136	64	50074	18.767	ug/l	98
7) Trichlorofluoromethane	3.506	101	96262	18.840	ug/l	99
8) Diethyl Ether	3.942	74	42384	19.886	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.359	101	61846	19.750	ug/l	99
10) 1,1-Dichloroethene	4.318	96	61484	19.259	ug/l	98
11) Methyl Iodide	4.571	142	44355	11.786	ug/l	97
12) Methyl Acetate	5.006	43	70975	20.019	ug/l	97
13) Acrolein	4.159	56	55289	150.954	ug/l	100
14) Acrylonitrile	5.706	53	159621	96.747	ug/l	98
15) Acetone	4.406	58	49390	118.232	ug/l	100
16) Carbon Disulfide	4.695	76	169325	18.170	ug/l	99
17) Allyl chloride	5.006	41	97109	20.475	ug/l	98
18) Methylene Chloride	5.259	84	69444	18.731	ug/l	98
19) trans-1,2-Dichloroethene	5.765	96	64643	19.349	ug/l	95
20) Diisopropyl ether	6.659	45	218382	20.907	ug/l	98
21) 1,1-Dichloroethane	6.559	63	122621	19.452	ug/l	99
22) cis-1,2-Dichloroethene	7.477	96	80675	19.940	ug/l	100
23) tert-Butyl Alcohol	5.506	59	57731	108.963	ug/l #	100
24) Methyl tert-Butyl Ether	5.783	73	220310	20.939	ug/l	99
25) Chloroform	7.959	83	119159	19.313	ug/l	98
26) Cyclohexane	8.247	56	111489	20.435	ug/l #	97
29) 1,1-Dichloropropene	8.365	75	89950	18.737	ug/l	100
30) 2-Butanone	7.471	43	214838	102.140	ug/l	99
31) 2,2-Dichloropropane	7.483	77	110026	19.417	ug/l	100
32) 1,1,1-Trichloroethane	8.159	97	105441	18.948	ug/l	98
33) Carbon Tetrachloride	8.353	117	87675	18.431	ug/l	96
34) Benzene	8.600	78	289535	18.537	ug/l	98
35) Methacrylonitrile	7.771	41	48969	20.267	ug/l	96
36) 1,2-Dichloroethane	8.665	62	85017	18.574	ug/l	99
37) Trichloroethene	9.347	130	71675	16.543	ug/l	97
38) Methylcyclohexane	9.594	83	106228	19.944	ug/l	99
39) 1,2-Dichloropropane	9.618	63	70811	18.831	ug/l	96
40) Dibromomethane	9.700	93	45185	18.372	ug/l	97
41) Bromodichloromethane	9.883	83	95591	18.567	ug/l	99
42) Vinyl Acetate	6.589	43	670946	109.433	ug/l	99

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 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

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 ClientSampleId :
 VSTDCCC020

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.553	43	86054m	19.994	ug/l	
44) Isopropyl Acetate	8.683	43	148346	20.092	ug/l	99
45) 1,4-Dioxane	9.688	88	23881	363.910	ug/l #	94
46) Methyl methacrylate	9.677	41	70154	20.607	ug/l	92
47) n-amyl Acetate	12.494	43	116531	19.660	ug/l	91
48) t-1,3-Dichloropropene	10.829	75	107050	19.431	ug/l	98
49) cis-1,3-Dichloropropene	10.306	75	117114	19.327	ug/l	96
50) 1,1,2-Trichloroethane	11.012	97	65403	18.881	ug/l	95
51) Ethyl methacrylate	10.871	69	111947	19.954	ug/l	99
52) 1,3-Dichloropropane	11.159	76	113396	18.446	ug/l	99
53) Dibromochloromethane	11.353	129	71870	18.360	ug/l	99
54) 1,2-Dibromoethane	11.465	107	66034	18.649	ug/l	98
55) 2-Chloroethyl vinyl ether	10.153	63	254997	94.691	ug/l	98
56) Bromoform	12.576	173	44823	18.173	ug/l #	99
58) 4-Methyl-2-Pentanone	10.441	43	408521	101.560	ug/l	98
59) 2-Hexanone	11.194	43	284615	98.779	ug/l	99
61) Tetrachloroethene	11.100	164	70755	15.355	ug/l	90
62) Toluene	10.624	91	306490	19.851	ug/l	100
64) Chlorobenzene	11.888	112	190679	19.366	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.959	131	64396	19.908	ug/l	98
66) Ethyl Benzene	11.959	91	329097	19.707	ug/l	96
67) m/p-Xylenes	12.071	106	254012	38.762	ug/l	98
68) o-Xylene	12.394	106	124909	19.668	ug/l	99
69) Styrene	12.406	104	205605	19.432	ug/l	99
70) Isopropylbenzene	12.694	105	301147	19.937	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.935	83	84722	23.591	ug/l	98
72) 1,2,3-Trichloropropane	12.988	75	70561m	16.764	ug/l	
73) Bromobenzene	12.976	156	69958	18.633	ug/l	98
74) n-propylbenzene	13.035	91	339456	18.972	ug/l	98
75) 2-Chlorotoluene	13.123	91	217002	18.896	ug/l	99
76) 1,3,5-Trimethylbenzene	13.171	105	245606	19.545	ug/l	99
77) t-1,4-Dichloro-2-butene	12.735	75	36982	21.470	ug/l	96
78) 4-Chlorotoluene	13.218	91	211616	18.602	ug/l	100
79) tert-butylbenzene	13.435	119	205432	18.908	ug/l	99
80) 1,2,4-Trimethylbenzene	13.482	105	242996	19.265	ug/l	98
81) sec-Butylbenzene	13.612	105	281962	19.050	ug/l	99
82) p-Isopropyltoluene	13.729	119	242228	19.490	ug/l	100
83) 1,3-Dichlorobenzene	13.729	146	123483	17.928	ug/l	100
84) 1,4-Dichlorobenzene	13.812	146	126221	18.415	ug/l	99
85) n-Butylbenzene	14.053	91	199129	19.138	ug/l	99
86) Hexachloroethane	14.329	117	40802	19.263	ug/l	96
87) 1,2-Dichlorobenzene	14.106	146	120865	18.191	ug/l	100
88) 1,2-Dibromo-3-Chloropr...	14.717	75	18328	24.234	ug/l	98
89) 1,2,4-Trichlorobenzene	15.835	180	60998	21.937	ug/l	97
90) Hexachlorobutadiene	15.500	225	21540	18.074	ug/l	97
91) Naphthalene	15.635	128	228760	23.579	ug/l	99
92) 1,2,3-Trichlorobenzene	15.835	180	60998	21.937	ug/l	97

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

