

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN090425\
 Data File : VN087723.D
 Acq On : 04 Sep 2025 15:21
 Operator : JC\MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Quant Time: Sep 05 02:21:57 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

Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 09/05/2025
 Supervised By : Mahesh Dadoda 09/05/2025

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 Supervised By : Mahesh
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Bromochloromethane	7.794	128	42111	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.082	114	209761	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.847	117	194705	30.000	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.559	65	105547	27.174	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	90.567%#
60) 4-Bromofluorobenzene	12.823	95	95262	28.430	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	94.767%
63) Toluene-d8	10.547	98	270343	30.176	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	100.600%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.142	85	51486	18.726	ug/l	91
3) Chloromethane	2.383	50	53260	18.881	ug/l	96
4) Vinyl Chloride	2.536	62	58000	19.386	ug/l	98
5) Bromomethane	2.983	94	40951	25.287	ug/l	88
6) Chloroethane	3.136	64	43117	22.349	ug/l	91
7) Trichlorofluoromethane	3.512	101	92972	21.592	ug/l	98
8) Diethyl Ether	3.965	74	36803	20.516	ug/l	94
9) 1,1,2-Trichlorotrifluo...	4.371	101	53320	24.284	ug/l	90
10) 1,1-Dichloroethene	4.336	96	53150	23.045	ug/l	87
11) Methyl Iodide	4.583	142	25930	14.279	ug/l	93
12) Methyl Acetate	5.018	43	92717	21.784	ug/l	100
13) Acrolein	4.177	56	77597	119.369	ug/l	97
14) Acrylonitrile	5.706	53	172758	92.955	ug/l	99
15) Acetone	4.418	58	50531	95.158	ug/l	75
16) Carbon Disulfide	4.712	76	125505	17.543	ug/l	100
17) Allyl chloride	5.018	41	82620	17.575	ug/l	96
18) Methylene Chloride	5.265	84	57389	19.328	ug/l #	81
19) trans-1,2-Dichloroethene	5.777	96	51473	18.767	ug/l	95
20) Diisopropyl ether	6.659	45	196352	18.335	ug/l	96
21) 1,1-Dichloroethane	6.547	63	107573	19.433	ug/l	99
22) cis-1,2-Dichloroethene	7.471	96	62540	18.532	ug/l	98
23) tert-Butyl Alcohol	5.512	59	62067m	78.592	ug/l	
24) Methyl tert-Butyl Ether	5.783	73	185284	17.630	ug/l #	79
25) Chloroform	7.953	83	113358	19.618	ug/l	94
26) Cyclohexane	8.241	56	79919	18.032	ug/l #	97
29) 1,1-Dichloropropene	8.353	75	71782	20.981	ug/l	98
30) 2-Butanone	7.471	43	251215	99.616	ug/l #	95
31) 2,2-Dichloropropane	7.477	77	88783	20.121	ug/l	100
32) 1,1,1-Trichloroethane	8.147	97	95339	21.850	ug/l	97
33) Carbon Tetrachloride	8.347	117	77163	21.287	ug/l	94
34) Benzene	8.588	78	230901	21.380	ug/l	99
35) Methacrylonitrile	7.765	41	50964	18.727	ug/l	97
36) 1,2-Dichloroethane	8.653	62	88217	20.210	ug/l	99
37) Trichloroethene	9.330	130	53338	22.421	ug/l #	76
38) Methylcyclohexane	9.582	83	72850	18.355	ug/l	98
39) 1,2-Dichloropropane	9.600	63	60183	21.735	ug/l	96
40) Dibromomethane	9.688	93	45432	21.868	ug/l	98
41) Bromodichloromethane	9.871	83	92910	21.522	ug/l	98
42) Vinyl Acetate	6.594	43	776716	93.526	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.547	43	96931	19.896	ug/l	100
44) Isopropyl Acetate	8.671	43	157951	19.126	ug/l	99
45) 1,4-Dioxane	9.677	88	18119	344.161	ug/l #	89
46) Methyl methacrylate	9.665	41	74792	19.186	ug/l	98
47) n-amyl Acetate	12.541	43	90034m	19.735	ug/l	
48) t-1,3-Dichloropropene	10.818	75	91435	19.468	ug/l	97
49) cis-1,3-Dichloropropene	10.294	75	94752	20.047	ug/l	90
50) 1,1,2-Trichloroethane	11.000	97	58762	22.387	ug/l	99
51) Ethyl methacrylate	10.859	69	85505	18.496	ug/l	89
52) 1,3-Dichloropropane	11.141	76	100640	21.281	ug/l	97
53) Dibromochloromethane	11.335	129	67293	22.199	ug/l	96
54) 1,2-Dibromoethane	11.447	107	59165	21.233	ug/l	99
55) 2-Chloroethyl vinyl ether	10.141	63	226909	93.240	ug/l	99
56) Bromoform	12.553	173	40935	20.416	ug/l	99
58) 4-Methyl-2-Pentanone	10.424	43	509673	101.757	ug/l	99
59) 2-Hexanone	11.176	43	322095	94.645	ug/l	98
61) Tetrachloroethene	11.082	164	42539	22.426	ug/l	91
62) Toluene	10.612	91	246003	20.471	ug/l	99
64) Chlorobenzene	11.871	112	153070	20.730	ug/l	98
65) 1,1,1,2-Tetrachloroethane	11.941	131	56409	21.728	ug/l	98
66) Ethyl Benzene	11.941	91	261043	19.489	ug/l	98
67) m/p-Xylenes	12.047	106	193984	39.456	ug/l	100
68) o-Xylene	12.376	106	96487	19.948	ug/l	93
69) Styrene	12.388	104	164210	19.883	ug/l	97
70) Isopropylbenzene	12.671	105	240721	19.589	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.918	83	91191	21.658	ug/l	96
72) 1,2,3-Trichloropropane	12.970	75	74901m	19.096	ug/l	
73) Bromobenzene	12.959	156	59076	20.738	ug/l	98
74) n-propylbenzene	13.012	91	311880	20.322	ug/l	99
75) 2-Chlorotoluene	13.100	91	186992	19.808	ug/l	97
76) 1,3,5-Trimethylbenzene	13.153	105	210137	19.972	ug/l	98
77) t-1,4-Dichloro-2-butene	12.718	75	27859	18.763	ug/l	95
78) 4-Chlorotoluene	13.200	91	191634	20.031	ug/l	100
79) tert-butylbenzene	13.418	119	176182	19.861	ug/l	97
80) 1,2,4-Trimethylbenzene	13.459	105	215522	20.499	ug/l	99
81) sec-Butylbenzene	13.594	105	257489	19.938	ug/l	99
82) p-Isopropyltoluene	13.706	119	212506	19.818	ug/l	98
83) 1,3-Dichlorobenzene	13.712	146	119016	21.940	ug/l	98
84) 1,4-Dichlorobenzene	13.788	146	121344	22.064	ug/l	95
85) n-Butylbenzene	14.035	91	204421	19.485	ug/l	98
86) Hexachloroethane	14.306	117	43724	20.881	ug/l	100
87) 1,2-Dichlorobenzene	14.082	146	116301	22.460	ug/l	98
88) 1,2-Dibromo-3-Chloropr...	14.694	75	20419	19.144	ug/l	95
89) 1,2,4-Trichlorobenzene	15.811	180	63971	20.672	ug/l	96
90) Hexachlorobutadiene	15.476	225	21826	18.138	ug/l	93
91) Naphthalene	15.611	128	219921	18.638	ug/l	98
92) 1,2,3-Trichlorobenzene	15.811	180	63971	20.672	ug/l	96

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

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