

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071025\
 Data File : VN087326.D
 Acq On : 10 Jul 2025 15:56
 Operator : JC\MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Manual Integrations
 APPROVED

Reviewed By :John
 Carlone

Quant Time: Jul 11 01:12:22 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N062525W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Jun 25 10:49:56 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.818	128	43226	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.106	114	214570	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	205060	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.582	65	90344	27.739	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	92.467%
60) 4-Bromofluorobenzene	12.847	95	98492	31.126	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	103.767%
63) Toluene-d8	10.565	98	271377	29.475	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	98.233%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.153	85	37384	14.367	ug/l	94
3) Chloromethane	2.400	50	34432	12.956	ug/l	98
4) Vinyl Chloride	2.553	62	42451	14.697	ug/l	99
5) Bromomethane	3.000	94	19711	12.858	ug/l	95
6) Chloroethane	3.153	64	39066	25.213	ug/l	89
7) Trichlorofluoromethane	3.524	101	67671	19.100	ug/l	100
8) Diethyl Ether	3.983	74	26009	14.942	ug/l	89
9) 1,1,2-Trichlorotrifluo...	4.406	101	42278m	16.095	ug/l	
10) 1,1-Dichloroethene	4.365	96	40941	15.636	ug/l	93
11) Methyl Iodide	4.612	142	23732	10.117	ug/l	86
12) Methyl Acetate	5.047	43	60182	14.653	ug/l #	79
13) Acrolein	4.200	56	13762	21.806	ug/l	93
14) Acrylonitrile	5.736	53	138966	72.537	ug/l	98
15) Acetone	4.447	58	43408	77.676	ug/l	97
16) Carbon Disulfide	4.736	76	110043	14.374	ug/l #	94
17) Allyl chloride	5.053	41	53150	12.307	ug/l	89
18) Methylene Chloride	5.300	84	51132	16.856	ug/l	91
19) trans-1,2-Dichloroethene	5.812	96	47482	16.582	ug/l #	80
20) Diisopropyl ether	6.683	45	126216	13.775	ug/l #	91
21) 1,1-Dichloroethane	6.588	63	83652	15.275	ug/l	100
22) cis-1,2-Dichloroethene	7.500	96	57523	17.260	ug/l	92
23) tert-Butyl Alcohol	5.536	59	62239	86.385	ug/l #	100
24) Methyl tert-Butyl Ether	5.812	73	153760	16.743	ug/l #	84
25) Chloroform	7.971	83	96760	18.442	ug/l	94
26) Cyclohexane	8.259	56	52364	11.503	ug/l	85
29) 1,1-Dichloropropene	8.377	75	58477	17.485	ug/l	96
30) 2-Butanone	7.494	43	187466	83.098	ug/l	93
31) 2,2-Dichloropropane	7.500	77	81476	20.182	ug/l	100
32) 1,1,1-Trichloroethane	8.177	97	82924	21.224	ug/l	96
33) Carbon Tetrachloride	8.371	117	70438	21.423	ug/l	95
34) Benzene	8.612	78	193020	18.218	ug/l	97
35) Methacrylonitrile	7.782	41	35131	15.452	ug/l	85
36) 1,2-Dichloroethane	8.682	62	71256	20.815	ug/l	99
37) Trichloroethene	9.353	130	49453	20.236	ug/l	93
38) Methylcyclohexane	9.606	83	59134	15.410	ug/l	95
39) 1,2-Dichloropropane	9.624	63	46930	17.648	ug/l	97
40) Dibromomethane	9.712	93	38935	21.532	ug/l	99
41) Bromodichloromethane	9.894	83	74853	20.508	ug/l	99
42) Vinyl Acetate	6.618	43	573793	78.199	ug/l #	93

07/11/2025
 Supervised By :Mahesh
 adoda

07/14/2025

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071025\
 Data File : VN087326.D
 Acq On : 10 Jul 2025 15:56
 Operator : JC\MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Manual Integrations
 APPROVED

Reviewed By :John
 Carlone

Quant Time: Jul 11 01:12:22 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N062525W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Jun 25 10:49:56 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.577	43	69556	17.079	ug/l	99
44) Isopropyl Acetate	8.694	43	112258	16.918	ug/l	95
45) 1,4-Dioxane	9.700	88	20087	447.522	ug/l #	82
46) Methyl methacrylate	9.682	41	39453	12.790	ug/l	75
47) n-amyl Acetate	12.529	43	75618m	18.640	ug/l	
48) t-1,3-Dichloropropene	10.835	75	77647	19.083	ug/l	100
49) cis-1,3-Dichloropropene	10.312	75	80346	18.575	ug/l	93
50) 1,1,2-Trichloroethane	11.018	97	52041	20.260	ug/l	97
51) Ethyl methacrylate	10.882	69	66472	17.002	ug/l	93
52) 1,3-Dichloropropane	11.165	76	82635	18.739	ug/l	96
53) Dibromochloromethane	11.359	129	62208	23.071	ug/l	96
54) 1,2-Dibromoethane	11.470	107	56283	21.238	ug/l	95
55) 2-Chloroethyl vinyl ether	10.159	63	181403	80.949	ug/l	95
56) Bromoform	12.576	173	41995	22.656	ug/l #	99
58) 4-Methyl-2-Pentanone	10.447	43	330312	80.125	ug/l #	96
59) 2-Hexanone	11.206	43	195119	73.298	ug/l	99
61) Tetrachloroethene	11.106	164	42579	20.967	ug/l	95
62) Toluene	10.629	91	216415	18.686	ug/l	100
64) Chlorobenzene	11.888	112	147952	20.027	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.959	131	52738	21.605	ug/l	98
66) Ethyl Benzene	11.965	91	230247	18.163	ug/l	98
67) m/p-Xylenes	12.070	106	187297	38.557	ug/l	95
68) o-Xylene	12.394	106	87745	18.933	ug/l	95
69) Styrene	12.412	104	155779	19.579	ug/l	98
70) Isopropylbenzene	12.694	105	220451	19.100	ug/l	97
71) 1,1,2,2-Tetrachloroethane	12.935	83	85492	20.578	ug/l	99
72) 1,2,3-Trichloropropane	12.994	75	72195m	20.151	ug/l	
73) Bromobenzene	12.976	156	62244	22.231	ug/l	83
74) n-propylbenzene	13.035	91	267303	18.957	ug/l	95
75) 2-Chlorotoluene	13.123	91	165493	19.426	ug/l	93
76) 1,3,5-Trimethylbenzene	13.170	105	190689	20.294	ug/l	99
77) t-1,4-Dichloro-2-butene	12.741	75	25880	16.285	ug/l	91
78) 4-Chlorotoluene	13.217	91	172819	19.807	ug/l	92
79) tert-butylbenzene	13.435	119	157744	19.972	ug/l	99
80) 1,2,4-Trimethylbenzene	13.482	105	196410	20.816	ug/l	100
81) sec-Butylbenzene	13.611	105	226606	19.736	ug/l	97
82) p-Isopropyltoluene	13.723	119	194920	20.400	ug/l	98
83) 1,3-Dichlorobenzene	13.729	146	119682	22.198	ug/l	98
84) 1,4-Dichlorobenzene	13.811	146	119244	21.976	ug/l	97
85) n-Butylbenzene	14.053	91	165102	18.938	ug/l	98
86) Hexachloroethane	14.329	117	34389	19.013	ug/l	97
87) 1,2-Dichlorobenzene	14.106	146	115141	22.649	ug/l	98
88) 1,2-Dibromo-3-Chloropr...	14.717	75	20472	21.884	ug/l	91
89) 1,2,4-Trichlorobenzene	15.835	180	61366	21.336	ug/l	99
90) Hexachlorobutadiene	15.500	225	16188	18.967	ug/l	96
91) Naphthalene	15.635	128	232106	20.505	ug/l	99
92) 1,2,3-Trichlorobenzene	15.835	180	61366	21.336	ug/l	99

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071025\
Data File : VN087326.D
Acq On : 10 Jul 2025 15:56
Operator : JC\MD
Sample : VSTDCCC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Quant Time: Jul 11 01:12:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N062525W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Jun 25 10:49:56 2025
Response via : Initial Calibration

Manual Integrations
APPROVED

Reviewed By :John
Carlone

