

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072425\
 Data File : VN087417.D
 Acq On : 24 Jul 2025 16:11
 Operator : JC\MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Manual Integrations
 APPROVED

Reviewed By :John
 Carlone

Quant Time: Jul 25 04:56:02 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N072325W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Jul 24 05:11:26 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.794	128	30245	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.082	114	148435	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.847	117	138220	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.565	65	74591	29.904	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	99.667%		
60) 4-Bromofluorobenzene	12.829	95	65082	28.223	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	94.067%		
63) Toluene-d8	10.547	98	187205	29.782	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	99.267%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.142	85	33104	17.888	ug/l	90
3) Chloromethane	2.383	50	29965	16.302	ug/l	97
4) Vinyl Chloride	2.536	62	35362	17.455	ug/l	98
5) Bromomethane	2.989	94	24871	19.839	ug/l	97
6) Chloroethane	3.136	64	29000	18.626	ug/l #	82
7) Trichlorofluoromethane	3.512	101	66830	19.398	ug/l	93
8) Diethyl Ether	3.965	74	25554	18.633	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.359	101	35267	19.315	ug/l #	62
10) 1,1-Dichloroethene	4.336	96	33052	17.436	ug/l #	93
11) Methyl Iodide	4.577	142	18642	13.482	ug/l	89
12) Methyl Acetate	5.018	43	42355	17.178	ug/l	96
13) Acrolein	4.177	56	49329	110.050	ug/l	98
14) Acrylonitrile	5.712	53	93538	83.072	ug/l	98
15) Acetone	4.418	58	35752m	89.934	ug/l	
16) Carbon Disulfide	4.700	76	79850	16.311	ug/l	97
17) Allyl chloride	5.018	41	42436	16.342	ug/l	92
18) Methylene Chloride	5.265	84	32022	16.692	ug/l	92
19) trans-1,2-Dichloroethene	5.771	96	32088	17.237	ug/l	98
20) Diisopropyl ether	6.659	45	97530	14.853	ug/l	92
21) 1,1-Dichloroethane	6.541	63	59832m	17.060	ug/l	
22) cis-1,2-Dichloroethene	7.471	96	36480	16.730	ug/l	96
23) tert-Butyl Alcohol	5.524	59	34810	90.204	ug/l #	100
24) Methyl tert-Butyl Ether	5.788	73	99834	16.297	ug/l #	81
25) Chloroform	7.953	83	65004	16.923	ug/l	92
26) Cyclohexane	8.247	56	41589	15.906	ug/l #	99
29) 1,1-Dichloropropene	8.353	75	40244	15.891	ug/l	99
30) 2-Butanone	7.477	43	137603	79.784	ug/l	99
31) 2,2-Dichloropropane	7.477	77	53989	16.233	ug/l	99
32) 1,1,1-Trichloroethane	8.147	97	57013	17.201	ug/l	98
33) Carbon Tetrachloride	8.341	117	48385	16.804	ug/l	92
34) Benzene	8.594	78	130026	15.897	ug/l	96
35) Methacrylonitrile	7.765	41	28884	15.926	ug/l	88
36) 1,2-Dichloroethane	8.653	62	52051	16.131	ug/l #	91
37) Trichloroethene	9.329	130	31298	16.768	ug/l	89
38) Methylcyclohexane	9.582	83	42901	16.025	ug/l	96
39) 1,2-Dichloropropane	9.600	63	32052	15.599	ug/l	95
40) Dibromomethane	9.694	93	26268	16.523	ug/l	97
41) Bromodichloromethane	9.871	83	51899	16.442	ug/l	99
42) Vinyl Acetate	6.588	43	433407	74.182	ug/l	100

07/25/2025
 Supervised By :Mahesh
 adoda

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
43) Ethyl Acetate	7.553	43	56060	15.966	ug/l	#	87
44) Isopropyl Acetate	8.676	43	86042	15.523	ug/l		98
45) 1,4-Dioxane	9.688	88	11311	331.204	ug/l	#	57
46) Methyl methacrylate	9.665	41	37866	14.834	ug/l		98
47) n-amyl Acetate	12.523	43	47693m	14.358	ug/l		
48) t-1,3-Dichloropropene	10.818	75	51084	15.171	ug/l		94
49) cis-1,3-Dichloropropene	10.294	75	53192	15.795	ug/l		97
50) 1,1,2-Trichloroethane	11.000	97	33621	16.375	ug/l		95
51) Ethyl methacrylate	10.859	69	44985	14.328	ug/l		93
52) 1,3-Dichloropropane	11.141	76	55283	15.660	ug/l		99
53) Dibromochloromethane	11.341	129	37263	15.485	ug/l		99
54) 1,2-Dibromoethane	11.447	107	33606	15.969	ug/l		99
55) 2-Chloroethyl vinyl ether	10.141	63	129691	74.253	ug/l		98
56) Bromoform	12.564	173	25425	14.855	ug/l		99
58) 4-Methyl-2-Pentanone	10.429	43	276488	81.805	ug/l		99
59) 2-Hexanone	11.182	43	181201	79.429	ug/l		98
61) Tetrachloroethene	11.088	164	27226	17.639	ug/l		92
62) Toluene	10.612	91	137046	16.281	ug/l		99
64) Chlorobenzene	11.870	112	89604	16.650	ug/l		98
65) 1,1,1,2-Tetrachloroethane	11.941	131	32467	16.508	ug/l		98
66) Ethyl Benzene	11.947	91	145072	15.919	ug/l		98
67) m/p-Xylenes	12.053	106	113595	31.497	ug/l		100
68) o-Xylene	12.376	106	53045	15.333	ug/l		99
69) Styrene	12.394	104	92132	15.307	ug/l		100
70) Isopropylbenzene	12.676	105	134896	15.482	ug/l		97
71) 1,1,2,2-Tetrachloroethane	12.917	83	49764	16.236	ug/l		97
72) 1,2,3-Trichloropropane	12.976	75	50834m	18.565	ug/l		
73) Bromobenzene	12.964	156	36504	16.096	ug/l		98
74) n-propylbenzene	13.017	91	168439	15.309	ug/l		99
75) 2-Chlorotoluene	13.106	91	102892	15.570	ug/l		98
76) 1,3,5-Trimethylbenzene	13.153	105	119058	15.709	ug/l		98
77) t-1,4-Dichloro-2-butene	12.717	75	15803	14.441	ug/l		80
78) 4-Chlorotoluene	13.200	91	108349	15.373	ug/l		99
79) tert-butylbenzene	13.417	119	97115	15.088	ug/l		97
80) 1,2,4-Trimethylbenzene	13.464	105	120661	15.596	ug/l		96
81) sec-Butylbenzene	13.600	105	143535	15.452	ug/l		99
82) p-Isopropyltoluene	13.711	119	122563	15.373	ug/l		98
83) 1,3-Dichlorobenzene	13.711	146	70726	15.478	ug/l		99
84) 1,4-Dichlorobenzene	13.794	146	70728	15.682	ug/l		98
85) n-Butylbenzene	14.035	91	108555	14.784	ug/l		98
86) Hexachloroethane	14.311	117	25758	16.603	ug/l		99
87) 1,2-Dichlorobenzene	14.088	146	67017	15.577	ug/l		98
88) 1,2-Dibromo-3-Chloropr...	14.700	75	11236	15.756	ug/l		89
89) 1,2,4-Trichlorobenzene	15.811	180	39435	15.889	ug/l		98
90) Hexachlorobutadiene	15.482	225	17690	17.281	ug/l		97
91) Naphthalene	15.617	128	120294	14.563	ug/l		100
92) 1,2,3-Trichlorobenzene	15.811	180	39435	15.889	ug/l		98

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

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