

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050725\
 Data File : VN086534.D
 Acq On : 07 May 2025 14:45
 Operator : JC\MD
 Sample : Q1949-02MS
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 001-WILLETS-PT-BLVD(MAY)MS

Quant Time: May 08 03:26:00 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N042325W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Apr 24 04:42:24 2025
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/08/2025
 Supervised By : Mahesh Dadoda 05/08/2025

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

Internal Standards						
1) Bromochloromethane	7.806	128	23320	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	137659	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	122368	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.576	65	64320	28.608	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	95.367%		
60) 4-Bromofluorobenzene	12.847	95	69394	28.853	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	96.167%		
63) Toluene-d8	10.565	98	198149	29.434	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	98.100%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.124	85	38111	23.672	ug/l	98
3) Chloromethane	2.359	50	41896	18.320	ug/l	94
4) Vinyl Chloride	2.512	62	45316	20.689	ug/l	98
5) Bromomethane	2.965	94	24477	21.404	ug/l	98
6) Chloroethane	3.124	64	29431	20.155	ug/l	98
7) Trichlorofluoromethane	3.500	101	63226	24.454	ug/l	97
8) Diethyl Ether	3.959	74	24712	22.643	ug/l	95
9) 1,1,2-Trichlorotrifluo...	4.371	101	38924	24.489	ug/l	99
10) 1,1-Dichloroethene	4.341	96	38703	23.790	ug/l	94
11) Methyl Iodide	4.589	142	39142	20.563	ug/l	98
12) Methyl Acetate	5.024	43	53104	23.029	ug/l	98
13) Acrolein	4.183	56	10421	90.015	ug/l	100
14) Acrylonitrile	5.718	53	96772	112.759	ug/l	98
15) Acetone	4.418	58	243388	1029.187	ug/l	94
16) Carbon Disulfide	4.718	76	136437	31.826	ug/l	99
17) Allyl chloride	5.018	41	48550	18.664	ug/l	96
18) Methylene Chloride	5.277	84	43929	23.711	ug/l	92
19) trans-1,2-Dichloroethene	5.788	96	39479	22.767	ug/l	93
20) Diisopropyl ether	6.665	45	125778	20.335	ug/l	94
21) 1,1-Dichloroethane	6.565	63	71806	21.209	ug/l	98
22) cis-1,2-Dichloroethene	7.488	96	49314	22.744	ug/l	91
23) tert-Butyl Alcohol	5.512	59	48857	146.956	ug/l #	100
24) Methyl tert-Butyl Ether	5.788	73	133691	22.242	ug/l	98
25) Chloroform	7.959	83	82127	23.968	ug/l	100
26) Cyclohexane	8.253	56	62294	20.838	ug/l #	94
29) 1,1-Dichloropropene	8.371	75	53162	21.906	ug/l	98
30) 2-Butanone	7.477	43	255586	216.983	ug/l	97
31) 2,2-Dichloropropane	7.488	77	68437	21.937	ug/l	100
32) 1,1,1-Trichloroethane	8.165	97	66276	22.854	ug/l	98
33) Carbon Tetrachloride	8.359	117	56277	23.573	ug/l	98
34) Benzene	8.600	78	168429	21.821	ug/l	98
35) Methacrylonitrile	7.777	41	38291	28.498	ug/l	88
36) 1,2-Dichloroethane	8.665	62	56477	22.536	ug/l	100
37) Trichloroethene	9.347	130	44414	22.985	ug/l	92
38) Methylcyclohexane	9.594	83	67043	23.920	ug/l	97
39) 1,2-Dichloropropane	9.618	63	40221	21.093	ug/l	94
40) Dibromomethane	9.706	93	28389	22.262	ug/l	91
41) Bromodichloromethane	9.882	83	59508	22.051	ug/l	98
42) Vinyl Acetate	6.600	43	454105	111.290	ug/l	97

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43) Ethyl Acetate	7.553	43	65744	28.204	ug/l	100
44) Isopropyl Acetate	8.682	43	101595	22.964	ug/l	100
45) 1,4-Dioxane	9.694	88	15567	450.979	ug/l	96
46) Methyl methacrylate	9.676	41	43831	21.478	ug/l	95
47) n-amyl Acetate	12.488	43	106588m	28.267	ug/l	
48) t-1,3-Dichloropropene	10.829	75	63497	21.046	ug/l	95
49) cis-1,3-Dichloropropene	10.312	75	66584	20.928	ug/l	97
50) 1,1,2-Trichloroethane	11.012	97	40806	22.909	ug/l	95
51) Ethyl methacrylate	10.870	69	68016	21.925	ug/l	95
52) 1,3-Dichloropropane	11.159	76	68735	21.834	ug/l	99
53) Dibromochloromethane	11.353	129	45661	22.830	ug/l	98
54) 1,2-Dibromoethane	11.465	107	41964	23.171	ug/l	99
56) Bromoform	12.576	173	29637	22.834	ug/l	99
58) 4-Methyl-2-Pentanone	10.441	43	313941	132.577	ug/l	99
59) 2-Hexanone	11.194	43	216133	123.856	ug/l	98
61) Tetrachloroethene	11.100	164	41898	22.449	ug/l	97
62) Toluene	10.629	91	662657	80.903	ug/l	99
64) Chlorobenzene	11.888	112	119584	23.431	ug/l	97
65) 1,1,1,2-Tetrachloroethane	11.953	131	40116	23.508	ug/l	98
66) Ethyl Benzene	11.959	91	218054	23.651	ug/l	99
67) m/p-Xylenes	12.065	106	179777	51.391	ug/l	100
68) o-Xylene	12.394	106	88480	25.832	ug/l	94
69) Styrene	12.406	104	127004	21.876	ug/l	99
70) Isopropylbenzene	12.688	105	194293	22.724	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.935	83	57071	25.350	ug/l	97
72) 1,2,3-Trichloropropane	12.994	75	51935m	26.460	ug/l	
73) Bromobenzene	12.976	156	46738	23.777	ug/l	92
74) n-propylbenzene	13.035	91	229401	22.579	ug/l	97
75) 2-Chlorotoluene	13.117	91	137873	21.738	ug/l	98
76) 1,3,5-Trimethylbenzene	13.170	105	162340	23.140	ug/l	99
77) t-1,4-Dichloro-2-butene	12.735	75	17546	17.615	ug/l	95
78) 4-Chlorotoluene	13.217	91	138023	21.764	ug/l	97
79) tert-butylbenzene	13.435	119	140459	23.377	ug/l	98
80) 1,2,4-Trimethylbenzene	13.476	105	169802	23.700	ug/l	98
81) sec-Butylbenzene	13.611	105	201858	23.536	ug/l	97
82) p-Isopropyltoluene	13.723	119	175774	24.492	ug/l	99
83) 1,3-Dichlorobenzene	13.729	146	85997	23.144	ug/l	99
84) 1,4-Dichlorobenzene	13.806	146	85480	23.284	ug/l	99
85) n-Butylbenzene	14.053	91	152343	23.790	ug/l	98
86) Hexachloroethane	14.329	117	25920	22.088	ug/l	95
87) 1,2-Dichlorobenzene	14.106	146	81968	23.184	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	14.717	75	11510	25.153	ug/l	95
89) 1,2,4-Trichlorobenzene	15.841	180	43775	27.165	ug/l	99
90) Hexachlorobutadiene	15.494	225	20068	30.917	ug/l	97
91) Naphthalene	15.635	128	152898	26.503	ug/l	99
92) 1,2,3-Trichlorobenzene	15.841	180	43775	27.165	ug/l	99

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

