

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN080625\
 Data File : VN087477.D
 Acq On : 06 Aug 2025 13:17
 Operator : JC\MD
 Sample : Q2769-02MS
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

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

Quant Time: Aug 07 03:36:44 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 : John Carlone 08/07/2025
 Supervised By : Mahesh Dadoda 08/07/2025

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

Internal Standards						
1) Bromochloromethane	7.800	128	43168	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.083	114	229415	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.847	117	212461	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.565	65	121580	30.535	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 101.800%			
60) 4-Bromofluorobenzene	12.829	95	105778	28.930	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 96.433%			
63) Toluene-d8	10.547	98	287995	29.460	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 98.200%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.142	85	54520	19.344	ug/l	96
3) Chloromethane	2.389	50	56531	19.550	ug/l	96
4) Vinyl Chloride	2.542	62	59006	19.239	ug/l	98
5) Bromomethane	2.989	94	32919	19.830	ug/l	81
6) Chloroethane	3.142	64	37955	19.192	ug/l #	88
7) Trichlorofluoromethane	3.512	101	83668	18.956	ug/l	97
8) Diethyl Ether	3.965	74	34772	18.909	ug/l	96
9) 1,1,2-Trichlorotrifluo...	4.359	101	44328	19.694	ug/l	96
10) 1,1-Dichloroethene	4.330	96	47193	19.961	ug/l	89
11) Methyl Iodide	4.577	142	24533	13.178	ug/l	96
12) Methyl Acetate	5.018	43	81040	18.575	ug/l	97
13) Acrolein	4.177	56	86383	129.631	ug/l	92
14) Acrylonitrile	5.712	53	172001	90.282	ug/l	99
15) Acetone	4.418	58	74696	137.220	ug/l	95
16) Carbon Disulfide	4.695	76	131512	17.932	ug/l	99
17) Allyl chloride	5.018	41	94064m	19.519	ug/l	
18) Methylene Chloride	5.259	84	57548m	18.907	ug/l	
19) trans-1,2-Dichloroethene	5.783	96	51209m	18.214	ug/l	
20) Diisopropyl ether	6.665	45	193904	17.663	ug/l	96
21) 1,1-Dichloroethane	6.559	63	101457	17.879	ug/l	98
22) cis-1,2-Dichloroethene	7.471	96	63299	18.298	ug/l	99
23) tert-Butyl Alcohol	5.530	59	70493	87.076	ug/l #	100
24) Methyl tert-Butyl Ether	5.795	73	192197	17.840	ug/l	98
25) Chloroform	7.947	83	380692	64.270	ug/l	95
26) Cyclohexane	8.241	56	85647	18.851	ug/l #	97
29) 1,1-Dichloropropene	8.353	75	74275	19.850	ug/l	96
30) 2-Butanone	7.471	43	295000	106.957	ug/l	100
31) 2,2-Dichloropropane	7.471	77	95683	19.827	ug/l	99
32) 1,1,1-Trichloroethane	8.153	97	92386	19.359	ug/l	97
33) Carbon Tetrachloride	8.341	117	75926	19.151	ug/l	97
34) Benzene	8.588	78	225280	19.073	ug/l	97
35) Methacrylonitrile	7.771	41	55796	18.746	ug/l	95
36) 1,2-Dichloroethane	8.659	62	88789	18.599	ug/l	98
37) Trichloroethene	9.335	130	49962	19.203	ug/l	95
38) Methylcyclohexane	9.583	83	80642	18.577	ug/l	97
39) 1,2-Dichloropropane	9.606	63	58995	19.481	ug/l	100
40) Dibromomethane	9.694	93	43740	19.250	ug/l	98
41) Bromodichloromethane	9.871	83	110730	23.452	ug/l #	98
42) Vinyl Acetate	6.595	43	853692	93.988	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.553	43	111339	20.896	ug/l	100
44) Isopropyl Acetate	8.677	43	166411	18.424	ug/l	97
45) 1,4-Dioxane	9.683	88	20607	357.886	ug/l	93
46) Methyl methacrylate	9.665	41	90825	21.303	ug/l	88
47) n-amyl Acetate	12.688	43	90357m	18.109	ug/l	
48) t-1,3-Dichloropropene	10.818	75	92552	18.018	ug/l	100
49) cis-1,3-Dichloropropene	10.294	75	96952	18.755	ug/l	95
50) 1,1,2-Trichloroethane	11.000	97	53638	18.684	ug/l	94
51) Ethyl methacrylate	10.859	69	92678	18.331	ug/l	97
52) 1,3-Dichloropropane	11.141	76	99513	19.240	ug/l	100
53) Dibromochloromethane	11.335	129	62418	18.827	ug/l	97
54) 1,2-Dibromoethane	11.447	107	56784	18.633	ug/l	99
56) Bromoform	12.559	173	37640	17.164	ug/l #	98
58) 4-Methyl-2-Pentanone	10.430	43	510800	93.459	ug/l	99
59) 2-Hexanone	11.182	43	319340	85.993	ug/l	98
61) Tetrachloroethene	11.082	164	38059	18.387	ug/l	94
62) Toluene	10.612	91	331883	25.309	ug/l	99
64) Chlorobenzene	11.871	112	148871	18.476	ug/l	97
65) 1,1,1,2-Tetrachloroethane	11.935	131	52266	18.449	ug/l	98
66) Ethyl Benzene	11.947	91	260164	17.800	ug/l	99
67) m/p-Xylenes	12.047	106	199607	37.206	ug/l	93
68) o-Xylene	12.376	106	93595	17.733	ug/l	98
69) Styrene	12.394	104	162262	18.005	ug/l	99
70) Isopropylbenzene	12.676	105	242291	18.069	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.918	83	82821	18.026	ug/l	98
72) 1,2,3-Trichloropropane	12.976	75	89611m	20.937	ug/l	
73) Bromobenzene	12.959	156	53105	17.084	ug/l	97
74) n-propylbenzene	13.012	91	300644	17.953	ug/l	100
75) 2-Chlorotoluene	13.106	91	180876	17.559	ug/l	99
76) 1,3,5-Trimethylbenzene	13.153	105	204833	17.841	ug/l	100
77) t-1,4-Dichloro-2-butene	12.724	75	27200	16.788	ug/l	91
78) 4-Chlorotoluene	13.200	91	183941	17.620	ug/l	100
79) tert-butylbenzene	13.418	119	171280	17.694	ug/l	97
80) 1,2,4-Trimethylbenzene	13.459	105	206864	18.032	ug/l	99
81) sec-Butylbenzene	13.594	105	251600	17.854	ug/l	100
82) p-Isopropyltoluene	13.706	119	209696	17.922	ug/l	98
83) 1,3-Dichlorobenzene	13.712	146	108511	18.332	ug/l	98
84) 1,4-Dichlorobenzene	13.794	146	107924	17.984	ug/l	99
85) n-Butylbenzene	14.035	91	208324	18.198	ug/l	98
86) Hexachloroethane	14.306	117	38983	17.061	ug/l	99
87) 1,2-Dichlorobenzene	14.088	146	104708	18.532	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	14.700	75	20051	17.227	ug/l	96
89) 1,2,4-Trichlorobenzene	15.812	180	60048	17.783	ug/l	100
90) Hexachlorobutadiene	15.476	225	23720	18.065	ug/l	93
91) Naphthalene	15.612	128	225491	17.513	ug/l	98
92) 1,2,3-Trichlorobenzene	15.812	180	60048	17.783	ug/l	100

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

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