

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN080525\
 Data File : VN087465.D
 Acq On : 05 Aug 2025 18:56
 Operator : JC\MD
 Sample : Q2771-03MSD
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 001-WILLETS-PT-BLVD(JUNE)MSD

Quant Time: Aug 06 02:45:50 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 08/06/2025
 Supervised By : Mahesh Dadoda 08/06/2025

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

Internal Standards						
1) Bromochloromethane	7.794	128	63371	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.082	114	362030	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.847	117	321655	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.559	65	185003	31.651	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	= 105.500%	
60) 4-Bromofluorobenzene	12.829	95	164537	29.724	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	= 99.067%	
63) Toluene-d8	10.547	98	448635	30.313	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	= 101.033%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.142	85	93645	22.633	ug/l	95
3) Chloromethane	2.383	50	94056	22.157	ug/l	98
4) Vinyl Chloride	2.536	62	99195	22.032	ug/l	95
5) Bromomethane	2.983	94	49116	20.154	ug/l	86
6) Chloroethane	3.142	64	62863	21.652	ug/l	95
7) Trichlorofluoromethane	3.512	101	144212	22.256	ug/l	98
8) Diethyl Ether	3.959	74	57040	21.130	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.365	101	75321	22.795	ug/l	86
10) 1,1-Dichloroethene	4.336	96	75689	21.807	ug/l	97
11) Methyl Iodide	4.583	142	51662	18.904	ug/l	92
12) Methyl Acetate	5.018	43	132767	20.729	ug/l	93
13) Acrolein	4.183	56	95012	97.125	ug/l	97
14) Acrylonitrile	5.712	53	292494	104.582	ug/l	100
15) Acetone	4.424	58	84788	106.103	ug/l	89
16) Carbon Disulfide	4.706	76	227080	21.092	ug/l	98
17) Allyl chloride	5.018	41	149063	21.071	ug/l	88
18) Methylene Chloride	5.265	84	94609	21.174	ug/l	93
19) trans-1,2-Dichloroethene	5.771	96	85295	20.666	ug/l	95
20) Diisopropyl ether	6.659	45	335083	20.792	ug/l	98
21) 1,1-Dichloroethane	6.553	63	174555	20.954	ug/l	98
22) cis-1,2-Dichloroethene	7.477	96	104639	20.605	ug/l	97
23) tert-Butyl Alcohol	5.524	59	121535	102.265	ug/l #	100
24) Methyl tert-Butyl Ether	5.788	73	339285	21.453	ug/l	99
25) Chloroform	7.953	83	318668	36.648	ug/l	99
26) Cyclohexane	8.235	56	150258	22.528	ug/l #	100
29) 1,1-Dichloropropene	8.353	75	124594	21.101	ug/l	96
30) 2-Butanone	7.471	43	452029	103.856	ug/l #	96
31) 2,2-Dichloropropane	7.471	77	150697	19.788	ug/l	98
32) 1,1,1-Trichloroethane	8.153	97	159868	21.228	ug/l	95
33) Carbon Tetrachloride	8.347	117	132303	21.147	ug/l	95
34) Benzene	8.588	78	379279	20.348	ug/l	98
35) Methacrylonitrile	7.765	41	98835	21.043	ug/l	94
36) 1,2-Dichloroethane	8.653	62	158507	21.040	ug/l	99
37) Trichloroethene	9.329	130	83242	20.274	ug/l	95
38) Methylcyclohexane	9.582	83	144189	21.049	ug/l	98
39) 1,2-Dichloropropane	9.600	63	100476	21.024	ug/l	94
40) Dibromomethane	9.694	93	74131	20.674	ug/l	98
41) Bromodichloromethane	9.871	83	161315	21.651	ug/l	97
42) Vinyl Acetate	6.588	43	1562358	109.001	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.547	43	171544m	20.401	ug/l	
44) Isopropyl Acetate	8.677	43	286640	20.110	ug/l	99
45) 1,4-Dioxane	9.676	88	37991	418.108	ug/l #	87
46) Methyl methacrylate	9.665	41	127427	18.940	ug/l	92
47) n-amyl Acetate	12.517	43	180598m	22.937	ug/l	
48) t-1,3-Dichloropropene	10.818	75	162195	20.009	ug/l	97
49) cis-1,3-Dichloropropene	10.294	75	160379	19.660	ug/l	96
50) 1,1,2-Trichloroethane	11.000	97	93732	20.690	ug/l	96
51) Ethyl methacrylate	10.859	69	163762	20.525	ug/l	98
52) 1,3-Dichloropropane	11.141	76	163568	20.041	ug/l	96
53) Dibromochloromethane	11.335	129	107106	20.472	ug/l	99
54) 1,2-Dibromoethane	11.447	107	96878	20.144	ug/l	99
56) Bromoform	12.559	173	68070	19.670	ug/l #	99
58) 4-Methyl-2-Pentanone	10.423	43	892848	107.904	ug/l	100
59) 2-Hexanone	11.176	43	596944	106.178	ug/l	100
61) Tetrachloroethene	11.082	164	65268	20.828	ug/l	96
62) Toluene	10.612	91	515298	25.956	ug/l	99
64) Chlorobenzene	11.870	112	250942	20.571	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.941	131	89553	20.880	ug/l	98
66) Ethyl Benzene	11.941	91	455815	20.600	ug/l	100
67) m/p-Xylenes	12.053	106	332592	40.949	ug/l	97
68) o-Xylene	12.376	106	161451	20.205	ug/l	99
69) Styrene	12.388	104	273254	20.028	ug/l	98
70) Isopropylbenzene	12.676	105	426125	20.991	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.917	83	148411	21.337	ug/l	98
72) 1,2,3-Trichloropropane	12.976	75	144354m	22.278	ug/l	
73) Bromobenzene	12.959	156	95153	20.219	ug/l	99
74) n-propylbenzene	13.012	91	523707	20.656	ug/l	100
75) 2-Chlorotoluene	13.106	91	316527	20.296	ug/l	99
76) 1,3,5-Trimethylbenzene	13.153	105	351735	20.236	ug/l	100
77) t-1,4-Dichloro-2-butene	12.717	75	42832	17.462	ug/l	95
78) 4-Chlorotoluene	13.200	91	330308	20.900	ug/l	97
79) tert-butylbenzene	13.417	119	303771	20.728	ug/l	97
80) 1,2,4-Trimethylbenzene	13.459	105	357826	20.602	ug/l	99
81) sec-Butylbenzene	13.594	105	449832	21.085	ug/l	100
82) p-Isopropyltoluene	13.706	119	365437	20.630	ug/l	99
83) 1,3-Dichlorobenzene	13.711	146	183928	20.524	ug/l	98
84) 1,4-Dichlorobenzene	13.788	146	184810	20.341	ug/l	97
85) n-Butylbenzene	14.035	91	363506	20.974	ug/l	99
86) Hexachloroethane	14.306	117	69483	20.086	ug/l	100
87) 1,2-Dichlorobenzene	14.082	146	178997	20.925	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	14.694	75	36710	20.833	ug/l	99
89) 1,2,4-Trichlorobenzene	15.811	180	102214	19.994	ug/l	98
90) Hexachlorobutadiene	15.476	225	39501	19.871	ug/l	96
91) Naphthalene	15.611	128	393425	20.183	ug/l	99
92) 1,2,3-Trichlorobenzene	15.811	180	102214	19.994	ug/l	98

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

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