

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN080625\
 Data File : VN087473.D
 Acq On : 06 Aug 2025 11:50
 Operator : JC\MD
 Sample : Q2771-03MSD
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

Reviewed By :John
 Carlone

08/07/2025
 Supervised By :Mahesh
 Dadoda

Quant Time: Aug 07 03:34:52 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

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

Internal Standards						
1) Bromochloromethane	7.794	128	65939	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.082	114	366028	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.841	117	329820	30.000	ug/l	0.00

System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.559	65	181849	29.900	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	99.667%
60) 4-Bromofluorobenzene	12.829	95	168534	29.692	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	98.967%
63) Toluene-d8	10.547	98	454924	29.977	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	99.933%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.142	85	80583	18.718	ug/l	98
3) Chloromethane	2.383	50	77929	17.643	ug/l	94
4) Vinyl Chloride	2.542	62	82024	17.509	ug/l	94
5) Bromomethane	2.983	94	46228	18.230	ug/l	98
6) Chloroethane	3.142	64	51353	16.999	ug/l	97
7) Trichlorofluoromethane	3.512	101	119335	17.700	ug/l	97
8) Diethyl Ether	3.959	74	46789	16.658	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.365	101	61179	17.794	ug/l	61
10) 1,1-Dichloroethene	4.336	96	67088	18.577	ug/l	97
11) Methyl Iodide	4.577	142	40938	14.397	ug/l	99
12) Methyl Acetate	5.018	43	109067	16.366	ug/l	96
13) Acrolein	4.177	56	111970	110.003	ug/l	98
14) Acrylonitrile	5.706	53	236049	81.113	ug/l	99
15) Acetone	4.418	58	68020	81.804	ug/l	94
16) Carbon Disulfide	4.700	76	187507	16.738	ug/l	97
17) Allyl chloride	5.012	41	121507	16.507	ug/l	94
18) Methylene Chloride	5.259	84	77836	16.742	ug/l	94
19) trans-1,2-Dichloroethene	5.771	96	71397	16.625	ug/l	89
20) Diisopropyl ether	6.665	45	274395	16.363	ug/l	98
21) 1,1-Dichloroethane	6.553	63	145019	16.730	ug/l	98
22) cis-1,2-Dichloroethene	7.471	96	86618	16.392	ug/l	98
23) tert-Butyl Alcohol	5.518	59	99872m	80.764	ug/l	
24) Methyl tert-Butyl Ether	5.788	73	266250	16.179	ug/l	98
25) Chloroform	7.947	83	289276	31.972	ug/l	96
26) Cyclohexane	8.235	56	127522	18.375	ug/l #	99
29) 1,1-Dichloropropene	8.353	75	103641	17.360	ug/l	98
30) 2-Butanone	7.477	43	361131	82.065	ug/l	99
31) 2,2-Dichloropropane	7.477	77	131933	17.135	ug/l	100
32) 1,1,1-Trichloroethane	8.153	97	132359	17.384	ug/l	96
33) Carbon Tetrachloride	8.341	117	110236	17.428	ug/l	93
34) Benzene	8.588	78	311705	16.540	ug/l	98
35) Methacrylonitrile	7.765	41	78002	16.426	ug/l	99
36) 1,2-Dichloroethane	8.653	62	125600	16.490	ug/l	99
37) Trichloroethene	9.335	130	68781	16.569	ug/l	100
38) Methylcyclohexane	9.582	83	119146	17.203	ug/l	99
39) 1,2-Dichloropropane	9.606	63	77835	16.109	ug/l	98
40) Dibromomethane	9.688	93	59428	16.393	ug/l	97
41) Bromodichloromethane	9.871	83	135570	17.997	ug/l	98
42) Vinyl Acetate	6.594	43	1205283	83.170	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.547	43	143662	16.899	ug/l	98
44) Isopropyl Acetate	8.677	43	238107	16.523	ug/l	100
45) 1,4-Dioxane	9.688	88	30740	334.612	ug/l	99
46) Methyl methacrylate	9.665	41	116037	17.058	ug/l	93
47) n-amyl Acetate	12.523	43	138723m	17.426	ug/l	
48) t-1,3-Dichloropropene	10.818	75	130691	15.947	ug/l	99
49) cis-1,3-Dichloropropene	10.294	75	133970	16.243	ug/l	96
50) 1,1,2-Trichloroethane	10.994	97	74807	16.332	ug/l	95
51) Ethyl methacrylate	10.859	69	131600	16.314	ug/l	96
52) 1,3-Dichloropropane	11.141	76	137123	16.617	ug/l	98
53) Dibromochloromethane	11.335	129	87442	16.531	ug/l	99
54) 1,2-Dibromoethane	11.447	107	79517	16.354	ug/l	97
56) Bromoform	12.559	173	56851	16.249	ug/l #	99
58) 4-Methyl-2-Pentanone	10.423	43	711224	83.826	ug/l	99
59) 2-Hexanone	11.176	43	456177	79.131	ug/l	99
61) Tetrachloroethene	11.082	164	53372	16.610	ug/l	94
62) Toluene	10.612	91	439632	21.597	ug/l	100
64) Chlorobenzene	11.870	112	204317	16.334	ug/l	98
65) 1,1,1,2-Tetrachloroethane	11.941	131	72443	16.473	ug/l	99
66) Ethyl Benzene	11.941	91	383279	16.893	ug/l	99
67) m/p-Xylenes	12.047	106	278183	33.402	ug/l	95
68) o-Xylene	12.376	106	133484	16.292	ug/l	99
69) Styrene	12.388	104	228360	16.323	ug/l	99
70) Isopropylbenzene	12.676	105	346587	16.650	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.917	83	119782	16.794	ug/l	99
72) 1,2,3-Trichloropropane	12.970	75	121240m	18.247	ug/l	
73) Bromobenzene	12.959	156	80766	16.737	ug/l	97
74) n-propylbenzene	13.012	91	433988	16.694	ug/l	99
75) 2-Chlorotoluene	13.106	91	262927	16.442	ug/l	99
76) 1,3,5-Trimethylbenzene	13.153	105	293309	16.457	ug/l	98
77) t-1,4-Dichloro-2-butene	12.717	75	38550	15.327	ug/l	83
78) 4-Chlorotoluene	13.200	91	265956	16.412	ug/l	100
79) tert-butylbenzene	13.417	119	247938	16.500	ug/l	97
80) 1,2,4-Trimethylbenzene	13.459	105	294959	16.562	ug/l	98
81) sec-Butylbenzene	13.594	105	366698	16.762	ug/l	99
82) p-Isopropyltoluene	13.706	119	306539	16.876	ug/l	99
83) 1,3-Dichlorobenzene	13.711	146	152352	16.580	ug/l	99
84) 1,4-Dichlorobenzene	13.788	146	155133	16.652	ug/l	98
85) n-Butylbenzene	14.035	91	307198	17.286	ug/l	98
86) Hexachloroethane	14.311	117	56643	15.969	ug/l	94
87) 1,2-Dichlorobenzene	14.082	146	147338	16.798	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	14.694	75	27713	15.338	ug/l	94
89) 1,2,4-Trichlorobenzene	15.811	180	82148	15.671	ug/l	98
90) Hexachlorobutadiene	15.476	225	33676	16.521	ug/l	94
91) Naphthalene	15.611	128	326569	16.338	ug/l	99
92) 1,2,3-Trichlorobenzene	15.811	180	82148	15.671	ug/l	98

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

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