

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN080625\
 Data File : VN087478.D
 Acq On : 06 Aug 2025 13:39
 Operator : JC\MD
 Sample : Q2769-03MSD
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

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

Quant Time: Aug 07 03:37:36 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

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

Internal Standards						
1) Bromochloromethane	7.800	128	62979	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.082	114	347287	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.847	117	312549	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.565	65	176429	30.372	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	101.233%
60) 4-Bromofluorobenzene	12.829	95	154692	28.760	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	95.867%
63) Toluene-d8	10.547	98	430655	29.946	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	99.833%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.142	85	79417	19.314	ug/l	96
3) Chloromethane	2.383	50	77060	18.266	ug/l	100
4) Vinyl Chloride	2.542	62	82429	18.422	ug/l	94
5) Bromomethane	2.983	94	48383m	19.977	ug/l	
6) Chloroethane	3.142	64	54240	18.799	ug/l	95
7) Trichlorofluoromethane	3.512	101	120200	18.666	ug/l	100
8) Diethyl Ether	3.959	74	48687	18.148	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.371	101	61555m	18.745	ug/l	
10) 1,1-Dichloroethene	4.336	96	63488	18.406	ug/l	98
11) Methyl Iodide	4.583	142	40715m	14.991	ug/l	
12) Methyl Acetate	5.024	43	115795	18.192	ug/l	97
13) Acrolein	4.177	56	108254	111.350	ug/l	99
14) Acrylonitrile	5.712	53	254409	91.531	ug/l	99
15) Acetone	4.430	58	95428	120.161	ug/l	95
16) Carbon Disulfide	4.700	76	187960	17.567	ug/l	97
17) Allyl chloride	5.018	41	124258	17.674	ug/l	94
18) Methylene Chloride	5.259	84	81141	18.273	ug/l	96
19) trans-1,2-Dichloroethene	5.777	96	69608	16.970	ug/l	96
20) Diisopropyl ether	6.659	45	283647	17.710	ug/l	95
21) 1,1-Dichloroethane	6.553	63	150420	18.169	ug/l	96
22) cis-1,2-Dichloroethene	7.471	96	87588	17.355	ug/l	97
23) tert-Butyl Alcohol	5.530	59	108547	91.905	ug/l #	100
24) Methyl tert-Butyl Ether	5.789	73	277375	17.648	ug/l	100
25) Chloroform	7.953	83	431110	49.888	ug/l	97
26) Cyclohexane	8.241	56	125637	18.954	ug/l #	95
29) 1,1-Dichloropropene	8.359	75	101313	17.886	ug/l	97
30) 2-Butanone	7.471	43	418570	100.251	ug/l	99
31) 2,2-Dichloropropane	7.477	77	130098	17.808	ug/l	99
32) 1,1,1-Trichloroethane	8.153	97	130560	18.073	ug/l	97
33) Carbon Tetrachloride	8.347	117	108972m	18.158	ug/l	
34) Benzene	8.588	78	324167	18.130	ug/l	99
35) Methacrylonitrile	7.759	41	83776	18.594	ug/l	96
36) 1,2-Dichloroethane	8.653	62	133396	18.459	ug/l	97
37) Trichloroethene	9.335	130	70950	18.014	ug/l	99
38) Methylcyclohexane	9.582	83	118348	18.010	ug/l	99
39) 1,2-Dichloropropane	9.606	63	83531	18.221	ug/l	93
40) Dibromomethane	9.694	93	62429	18.150	ug/l	99
41) Bromodichloromethane	9.871	83	149059	20.855	ug/l	95
42) Vinyl Acetate	6.594	43	1219373	88.683	ug/l	99

08/07/2025
 Supervised By :Mahesh
 Kadoda

08/07/2025

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.547	43	157355	19.508	ug/l	99
44) Isopropyl Acetate	8.677	43	247382	18.093	ug/l	99
45) 1,4-Dioxane	9.682	88	31306	359.163	ug/l	98
46) Methyl methacrylate	9.665	41	129698	20.096	ug/l	93
47) n-amyl Acetate	12.523	43	130111m	17.226	ug/l	
48) t-1,3-Dichloropropene	10.818	75	135794	17.463	ug/l	97
49) cis-1,3-Dichloropropene	10.294	75	136913	17.496	ug/l	98
50) 1,1,2-Trichloroethane	10.994	97	78458	18.054	ug/l	96
51) Ethyl methacrylate	10.859	69	138463	18.091	ug/l	96
52) 1,3-Dichloropropane	11.141	76	140766	17.979	ug/l	100
53) Dibromochloromethane	11.341	129	88895	17.712	ug/l	99
54) 1,2-Dibromoethane	11.453	107	83238	18.043	ug/l	100
56) Bromoform	12.559	173	55278	16.652	ug/l #	97
58) 4-Methyl-2-Pentanone	10.424	43	768946	95.637	ug/l	99
59) 2-Hexanone	11.176	43	489531	89.609	ug/l	98
61) Tetrachloroethene	11.082	164	53752	17.653	ug/l	94
62) Toluene	10.612	91	439611	22.789	ug/l	99
64) Chlorobenzene	11.870	112	210670	17.773	ug/l	98
65) 1,1,1,2-Tetrachloroethane	11.941	131	76610	18.383	ug/l	96
66) Ethyl Benzene	11.941	91	383078	17.817	ug/l	97
67) m/p-Xylenes	12.053	106	284838	36.091	ug/l	97
68) o-Xylene	12.376	106	138496	17.837	ug/l	100
69) Styrene	12.388	104	232690	17.551	ug/l	99
70) Isopropylbenzene	12.676	105	355802	18.037	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.917	83	125699	18.598	ug/l	99
72) 1,2,3-Trichloropropane	12.976	75	111169m	17.656	ug/l	
73) Bromobenzene	12.959	156	80546	17.614	ug/l	98
74) n-propylbenzene	13.017	91	432083	17.539	ug/l	99
75) 2-Chlorotoluene	13.106	91	267087	17.625	ug/l	98
76) 1,3,5-Trimethylbenzene	13.153	105	295690	17.507	ug/l	97
77) t-1,4-Dichloro-2-butene	12.717	75	42397	17.788	ug/l	87
78) 4-Chlorotoluene	13.200	91	281341	18.320	ug/l	99
79) tert-butylbenzene	13.417	119	254177	17.849	ug/l	97
80) 1,2,4-Trimethylbenzene	13.459	105	301686	17.876	ug/l	100
81) sec-Butylbenzene	13.594	105	371219	17.907	ug/l	99
82) p-Isopropyltoluene	13.706	119	309553	17.984	ug/l	99
83) 1,3-Dichlorobenzene	13.712	146	157955	18.140	ug/l	98
84) 1,4-Dichlorobenzene	13.788	146	162377	18.393	ug/l	98
85) n-Butylbenzene	14.029	91	298721	17.738	ug/l	99
86) Hexachloroethane	14.311	117	57179	17.011	ug/l	98
87) 1,2-Dichlorobenzene	14.082	146	148276	17.839	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	14.700	75	30726	17.945	ug/l	96
89) 1,2,4-Trichlorobenzene	15.817	180	85986	17.310	ug/l	100
90) Hexachlorobutadiene	15.476	225	33722	17.458	ug/l	95
91) Naphthalene	15.611	128	337524	17.820	ug/l	100
92) 1,2,3-Trichlorobenzene	15.817	180	85986	17.310	ug/l	100

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

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