

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050725\
 Data File : VN086535.D
 Acq On : 07 May 2025 15:09
 Operator : JC\MD
 Sample : Q1949-03MSD
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

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

Quant Time: May 08 03:26:18 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	7.812	128	49262	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	288210	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	268601	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.576	65	132752	27.951	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	93.167%		
60) 4-Bromofluorobenzene	12.847	95	154477	29.262	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	97.533%		
63) Toluene-d8	10.565	98	429069	29.036	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	96.800%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.124	85	73031	21.473	ug/l	99
3) Chloromethane	2.359	50	81366	16.842	ug/l	96
4) Vinyl Chloride	2.512	62	86308	18.653	ug/l	100
5) Bromomethane	2.959	94	44142	18.273	ug/l	95
6) Chloroethane	3.118	64	57157	18.529	ug/l	96
7) Trichlorofluoromethane	3.500	101	119559	21.891	ug/l	98
8) Diethyl Ether	3.959	74	47568	20.633	ug/l	95
9) 1,1,2-Trichlorotrifluo...	4.371	101	72186	21.499	ug/l	98
10) 1,1-Dichloroethene	4.341	96	71891	20.919	ug/l	94
11) Methyl Iodide	4.589	142	75117	18.681	ug/l	97
12) Methyl Acetate	5.018	43	107400	22.048	ug/l	100
13) Acrolein	4.183	56	23602	99.284	ug/l	100
14) Acrylonitrile	5.718	53	193772	106.883	ug/l	99
15) Acetone	4.418	58	278377	557.244	ug/l	97
16) Carbon Disulfide	4.712	76	224609	24.803	ug/l	98
17) Allyl chloride	5.018	41	96743	17.605	ug/l	99
18) Methylene Chloride	5.277	84	82960	21.197	ug/l #	90
19) trans-1,2-Dichloroethene	5.788	96	75083	20.498	ug/l	97
20) Diisopropyl ether	6.671	45	245961	18.825	ug/l	94
21) 1,1-Dichloroethane	6.565	63	140166	19.598	ug/l	97
22) cis-1,2-Dichloroethene	7.482	96	95283	20.803	ug/l	92
23) tert-Butyl Alcohol	5.518	59	94653	134.776	ug/l #	100
24) Methyl tert-Butyl Ether	5.794	73	261371	20.585	ug/l	98
25) Chloroform	7.965	83	154615	21.361	ug/l	96
26) Cyclohexane	8.253	56	119231	18.881	ug/l #	94
29) 1,1-Dichloropropene	8.371	75	102942	20.261	ug/l	97
30) 2-Butanone	7.477	43	399267	161.901	ug/l	97
31) 2,2-Dichloropropane	7.488	77	130692	20.010	ug/l	99
32) 1,1,1-Trichloroethane	8.165	97	129176	21.276	ug/l	98
33) Carbon Tetrachloride	8.359	117	110768	22.162	ug/l	99
34) Benzene	8.600	78	330309	20.439	ug/l	98
35) Methacrylonitrile	7.771	41	66312	23.572	ug/l	96
36) 1,2-Dichloroethane	8.665	62	108822	20.741	ug/l	99
37) Trichloroethene	9.347	130	87624	21.659	ug/l	92
38) Methylcyclohexane	9.594	83	123858	21.107	ug/l	96
39) 1,2-Dichloropropane	9.618	63	78844	19.749	ug/l	97
40) Dibromomethane	9.706	93	56667	21.225	ug/l	92
41) Bromodichloromethane	9.882	83	118980	21.059	ug/l	99
42) Vinyl Acetate	6.600	43	878546	102.839	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050725\
 Data File : VN086535.D
 Acq On : 07 May 2025 15:09
 Operator : JC\MD
 Sample : Q1949-03MSD
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

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

Quant Time: May 08 03:26:18 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)
43) Ethyl Acetate	7.553	43	120049	24.598	ug/l	96
44) Isopropyl Acetate	8.682	43	197948	21.371	ug/l	100
45) 1,4-Dioxane	9.688	88	33163	458.882	ug/l	98
46) Methyl methacrylate	9.676	41	89298	20.900	ug/l	98
47) n-amyl Acetate	12.488	43	206170	26.115	ug/l	97
48) t-1,3-Dichloropropene	10.835	75	125402	19.853	ug/l	99
49) cis-1,3-Dichloropropene	10.306	75	129852	19.494	ug/l	96
50) 1,1,2-Trichloroethane	11.012	97	79591	21.342	ug/l	97
51) Ethyl methacrylate	10.870	69	141134	21.730	ug/l	94
52) 1,3-Dichloropropane	11.159	76	136425	20.699	ug/l	100
53) Dibromochloromethane	11.359	129	91955	21.959	ug/l	99
54) 1,2-Dibromoethane	11.465	107	84378	22.253	ug/l	99
56) Bromoform	12.576	173	64227	23.636	ug/l	98
58) 4-Methyl-2-Pentanone	10.441	43	616690	118.644	ug/l	98
59) 2-Hexanone	11.194	43	449282	117.294	ug/l	98
61) Tetrachloroethene	11.100	164	80228	19.583	ug/l	97
62) Toluene	10.629	91	863228	48.013	ug/l	99
64) Chlorobenzene	11.888	112	241832	21.587	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.959	131	82715	22.082	ug/l	99
66) Ethyl Benzene	11.959	91	430270	21.261	ug/l	99
67) m/p-Xylenes	12.065	106	348628	45.402	ug/l	100
68) o-Xylene	12.394	106	171071	22.754	ug/l	96
69) Styrene	12.406	104	270501	21.227	ug/l	99
70) Isopropylbenzene	12.694	105	399845	21.305	ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.935	83	120224	24.329	ug/l	97
72) 1,2,3-Trichloropropane	12.988	75	110404m	25.626	ug/l	
73) Bromobenzene	12.976	156	98442	22.815	ug/l	91
74) n-propylbenzene	13.029	91	471404	21.138	ug/l	98
75) 2-Chlorotoluene	13.123	91	294086	21.124	ug/l	99
76) 1,3,5-Trimethylbenzene	13.170	105	332785	21.610	ug/l	98
77) t-1,4-Dichloro-2-butene	12.735	75	39226	17.940	ug/l	99
78) 4-Chlorotoluene	13.217	91	292201	20.991	ug/l	97
79) tert-butylbenzene	13.435	119	294883	22.359	ug/l	97
80) 1,2,4-Trimethylbenzene	13.476	105	345713	21.982	ug/l	98
81) sec-Butylbenzene	13.611	105	413629	21.971	ug/l	98
82) p-Isopropyltoluene	13.723	119	356004	22.599	ug/l	99
83) 1,3-Dichlorobenzene	13.729	146	179575	22.017	ug/l	99
84) 1,4-Dichlorobenzene	13.806	146	178292	22.125	ug/l	99
85) n-Butylbenzene	14.053	91	305551	21.738	ug/l	98
86) Hexachloroethane	14.329	117	54266	21.067	ug/l	95
87) 1,2-Dichlorobenzene	14.106	146	170663	21.991	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	14.717	75	23322	23.219	ug/l	90
89) 1,2,4-Trichlorobenzene	15.835	180	82003	23.184	ug/l	98
90) Hexachlorobutadiene	15.500	225	37526	26.338	ug/l	98
91) Naphthalene	15.635	128	301103	23.778	ug/l	99
92) 1,2,3-Trichlorobenzene	15.835	180	82003	23.184	ug/l	98

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050725\
Data File : VN086535.D
Acq On : 07 May 2025 15:09
Operator : JC\MD
Sample : Q1949-03MSD
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

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

Quant Time: May 08 03:26:18 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

