

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN080525\
 Data File : VN087464.D
 Acq On : 05 Aug 2025 18:35
 Operator : JC\MD
 Sample : Q2771-02MS
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

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

Quant Time: Aug 06 02:44:53 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	7.800	128	57858	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.082	114	327425	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.847	117	292747	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.559	65	165120	30.941	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	= 103.133%	
60) 4-Bromofluorobenzene	12.829	95	147984	29.374	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	= 97.900%	
63) Toluene-d8	10.547	98	402285	29.865	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	= 99.567%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.142	85	86069	22.784	ug/l	91
3) Chloromethane	2.383	50	84289	21.748	ug/l	94
4) Vinyl Chloride	2.542	62	89963	21.885	ug/l	99
5) Bromomethane	2.983	94	40650	18.270	ug/l	93
6) Chloroethane	3.136	64	57248	21.597	ug/l	99
7) Trichlorofluoromethane	3.512	101	128573	21.733	ug/l	97
8) Diethyl Ether	3.965	74	52589	21.337	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.371	101	65737	21.790	ug/l	88
10) 1,1-Dichloroethene	4.336	96	68672	21.671	ug/l	91
11) Methyl Iodide	4.577	142	39694	15.909	ug/l	95
12) Methyl Acetate	5.018	43	121879	20.842	ug/l	94
13) Acrolein	4.177	56	83429	93.411	ug/l	99
14) Acrylonitrile	5.712	53	270925	106.100	ug/l	98
15) Acetone	4.424	58	78660	107.813	ug/l	93
16) Carbon Disulfide	4.700	76	206068	20.964	ug/l	99
17) Allyl chloride	5.006	41	129694	20.080	ug/l	92
18) Methylene Chloride	5.265	84	85179	20.880	ug/l	93
19) trans-1,2-Dichloroethene	5.771	96	75693	20.087	ug/l	95
20) Diisopropyl ether	6.665	45	299448	20.352	ug/l	97
21) 1,1-Dichloroethane	6.553	63	156845	20.622	ug/l	99
22) cis-1,2-Dichloroethene	7.471	96	96912	20.902	ug/l	98
23) tert-Butyl Alcohol	5.518	59	115151	106.126	ug/l	# 100
24) Methyl tert-Butyl Ether	5.794	73	302253	20.933	ug/l	99
25) Chloroform	7.947	83	296504	37.348	ug/l	95
26) Cyclohexane	8.235	56	132657	21.785	ug/l	# 98
29) 1,1-Dichloropropene	8.353	75	110179	20.631	ug/l	99
30) 2-Butanone	7.471	43	408485	103.770	ug/l	100
31) 2,2-Dichloropropane	7.477	77	135864	19.726	ug/l	99
32) 1,1,1-Trichloroethane	8.153	97	143139	21.016	ug/l	97
33) Carbon Tetrachloride	8.347	117	120006	21.209	ug/l	100
34) Benzene	8.588	78	346136	20.533	ug/l	99
35) Methacrylonitrile	7.759	41	88788	20.902	ug/l	95
36) 1,2-Dichloroethane	8.653	62	137652	20.203	ug/l	100
37) Trichloroethene	9.335	130	76827	20.689	ug/l	96
38) Methylcyclohexane	9.582	83	130586	21.078	ug/l	98
39) 1,2-Dichloropropane	9.606	63	89042	20.601	ug/l	99
40) Dibromomethane	9.694	93	65247	20.120	ug/l	97
41) Bromodichloromethane	9.871	83	145959	21.660	ug/l	97
42) Vinyl Acetate	6.594	43	1300901	100.352	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN080525\
 Data File : VN087464.D
 Acq On : 05 Aug 2025 18:35
 Operator : JC\MD
 Sample : Q2771-02MS
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

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

Quant Time: Aug 06 02:44:53 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)
43) Ethyl Acetate	7.553	43	158819	20.884	ug/l	99
44) Isopropyl Acetate	8.677	43	259623	20.140	ug/l	99
45) 1,4-Dioxane	9.682	88	35383	430.561	ug/l #	89
46) Methyl methacrylate	9.665	41	134321	22.074	ug/l	94
47) n-amyl Acetate	12.523	43	159267m	22.365	ug/l	
48) t-1,3-Dichloropropene	10.818	75	146464	19.978	ug/l	96
49) cis-1,3-Dichloropropene	10.294	75	146576	19.867	ug/l	95
50) 1,1,2-Trichloroethane	11.000	97	82991	20.255	ug/l	97
51) Ethyl methacrylate	10.853	69	149180	20.674	ug/l	95
52) 1,3-Dichloropropane	11.141	76	147593	19.994	ug/l	98
53) Dibromochloromethane	11.341	129	99264	20.978	ug/l	98
54) 1,2-Dibromoethane	11.447	107	86868	19.972	ug/l	99
56) Bromoform	12.559	173	63211	20.197	ug/l #	99
58) 4-Methyl-2-Pentanone	10.424	43	811173	107.714	ug/l	100
59) 2-Hexanone	11.176	43	526710	102.937	ug/l	100
61) Tetrachloroethene	11.082	164	60085	21.067	ug/l	98
62) Toluene	10.612	91	471528	26.097	ug/l	99
64) Chlorobenzene	11.871	112	226643	20.414	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.941	131	78931	20.221	ug/l	99
66) Ethyl Benzene	11.941	91	410709	20.394	ug/l	100
67) m/p-Xylenes	12.053	106	301085	40.730	ug/l	99
68) o-Xylene	12.376	106	147374	20.265	ug/l	100
69) Styrene	12.388	104	246611	19.860	ug/l	98
70) Isopropylbenzene	12.670	105	384456	20.808	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.918	83	132693	20.961	ug/l	100
72) 1,2,3-Trichloropropane	12.970	75	125987m	21.363	ug/l	
73) Bromobenzene	12.959	156	87403	20.406	ug/l	99
74) n-propylbenzene	13.012	91	479069	20.762	ug/l	99
75) 2-Chlorotoluene	13.106	91	285626	20.123	ug/l	100
76) 1,3,5-Trimethylbenzene	13.153	105	323833	20.470	ug/l	100
77) t-1,4-Dichloro-2-butene	12.718	75	40864	18.304	ug/l	95
78) 4-Chlorotoluene	13.200	91	298709	20.767	ug/l	98
79) tert-butylbenzene	13.417	119	278633	20.890	ug/l	99
80) 1,2,4-Trimethylbenzene	13.459	105	322979	20.432	ug/l	100
81) sec-Butylbenzene	13.594	105	407509	20.987	ug/l	99
82) p-Isopropyltoluene	13.706	119	337514	20.935	ug/l	99
83) 1,3-Dichlorobenzene	13.712	146	165618	20.306	ug/l	97
84) 1,4-Dichlorobenzene	13.794	146	166172	20.096	ug/l	97
85) n-Butylbenzene	14.035	91	331884	21.040	ug/l	98
86) Hexachloroethane	14.312	117	61684	19.593	ug/l	98
87) 1,2-Dichlorobenzene	14.082	146	158893	20.409	ug/l	98
88) 1,2-Dibromo-3-Chloropr...	14.700	75	33483	20.878	ug/l	97
89) 1,2,4-Trichlorobenzene	15.811	180	93743	20.148	ug/l	99
90) Hexachlorobutadiene	15.476	225	39066	21.592	ug/l	97
91) Naphthalene	15.611	128	362681	20.443	ug/l	100
92) 1,2,3-Trichlorobenzene	15.811	180	93743	20.148	ug/l	99

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN080525\
Data File : VN087464.D
Acq On : 05 Aug 2025 18:35
Operator : JC\MD
Sample : Q2771-02MS
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 19 Sample Multiplier: 1

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

Quant Time: Aug 06 02:44:53 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

