

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081825\
 Data File : VN087597.D
 Acq On : 18 Aug 2025 10:39
 Operator : JC\MD
 Sample : VN0818WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0818WBSD01

Manual Integrations
 APPROVED

Reviewed By :John
 Carlone

Quant Time: Aug 19 01:10:50 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

08/19/2025
 Supervised By :Mahesh
 Dadoda

08/20/2025

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

Internal Standards						
1) Bromochloromethane	7.794	128	61980	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.082	114	351353	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.847	117	310931	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.565	65	168562	29.486	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	98.300%
60) 4-Bromofluorobenzene	12.829	95	154270	28.831	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	96.100%
63) Toluene-d8	10.547	98	424585	29.677	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	98.933%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.142	85	77926	19.257	ug/l	97
3) Chloromethane	2.383	50	74803	18.017	ug/l	94
4) Vinyl Chloride	2.542	62	81829	18.583	ug/l	98
5) Bromomethane	2.977	94	31773	13.330	ug/l #	77
6) Chloroethane	3.136	64	55862	19.673	ug/l	97
7) Trichlorofluoromethane	3.512	101	126427	19.949	ug/l	100
8) Diethyl Ether	3.959	74	51880	19.650	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.359	101	67984	21.036	ug/l	65
10) 1,1-Dichloroethene	4.336	96	69023	20.333	ug/l	98
11) Methyl Iodide	4.583	142	47583	17.802	ug/l	95
12) Methyl Acetate	5.018	43	123904	19.779	ug/l #	88
13) Acrolein	4.177	56	44979	47.011	ug/l	97
14) Acrylonitrile	5.706	53	252832	92.430	ug/l	98
15) Acetone	4.430	58	82979	106.169	ug/l	89
16) Carbon Disulfide	4.700	76	196852	18.695	ug/l	100
17) Allyl chloride	5.006	41	107862	15.589	ug/l	98
18) Methylene Chloride	5.265	84	80805	18.491	ug/l	87
19) trans-1,2-Dichloroethene	5.777	96	72827	18.041	ug/l	96
20) Diisopropyl ether	6.659	45	268713	17.048	ug/l	97
21) 1,1-Dichloroethane	6.553	63	144662	17.755	ug/l	98
22) cis-1,2-Dichloroethene	7.471	96	87968	17.711	ug/l	99
23) tert-Butyl Alcohol	5.524	59	105664	90.906	ug/l #	100
24) Methyl tert-Butyl Ether	5.789	73	284424	18.388	ug/l	96
25) Chloroform	7.947	83	151920	17.863	ug/l	100
26) Cyclohexane	8.241	56	123852	18.986	ug/l #	99
29) 1,1-Dichloropropene	8.353	75	104689	18.268	ug/l	98
30) 2-Butanone	7.471	43	371747	88.006	ug/l	98
31) 2,2-Dichloropropane	7.477	77	130523	17.660	ug/l #	82
32) 1,1,1-Trichloroethane	8.153	97	134965	18.466	ug/l	93
33) Carbon Tetrachloride	8.347	117	111683	18.394	ug/l	98
34) Benzene	8.588	78	317782	17.567	ug/l	99
35) Methacrylonitrile	7.765	41	76749	16.837	ug/l	93
36) 1,2-Dichloroethane	8.653	62	127575	17.449	ug/l	100
37) Trichloroethene	9.329	130	74460	18.686	ug/l	88
38) Methylcyclohexane	9.582	83	122949	18.494	ug/l	99
39) 1,2-Dichloropropane	9.600	63	81585	17.590	ug/l	99
40) Dibromomethane	9.688	93	60461	17.374	ug/l	95
41) Bromodichloromethane	9.871	83	125125	17.304	ug/l #	98
42) Vinyl Acetate	6.594	43	1185689	85.235	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081825\
 Data File : VN087597.D
 Acq On : 18 Aug 2025 10:39
 Operator : JC\MD
 Sample : VN0818WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0818WBSD01

Manual Integrations
 APPROVED

Reviewed By :John
 Carlone

08/19/2025
 Supervised By :Mahesh
 Dadoda

Quant Time: Aug 19 01:10:50 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

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.547	43	141039	17.283	ug/l	95
44) Isopropyl Acetate	8.671	43	234275	16.936	ug/l	98
45) 1,4-Dioxane	9.682	88	34191	387.722	ug/l	99
46) Methyl methacrylate	9.665	41	109176	16.720	ug/l	91
47) n-amyl Acetate	12.529	43	126529m	16.558	ug/l	
48) t-1,3-Dichloropropene	10.818	75	130700	16.614	ug/l	98
49) cis-1,3-Dichloropropene	10.294	75	135014	17.053	ug/l	97
50) 1,1,2-Trichloroethane	10.994	97	80093	18.217	ug/l	94
51) Ethyl methacrylate	10.853	69	135754	17.532	ug/l	91
52) 1,3-Dichloropropane	11.141	76	140443	17.730	ug/l	98
53) Dibromochloromethane	11.341	129	87438	17.220	ug/l	99
54) 1,2-Dibromoethane	11.447	107	84916	18.193	ug/l	99
55) 2-Chloroethyl vinyl ether	10.141	63	363591	89.196	ug/l	99
56) Bromoform	12.559	173	55564	16.544	ug/l #	99
58) 4-Methyl-2-Pentanone	10.429	43	721024	90.144	ug/l	99
59) 2-Hexanone	11.176	43	471315	86.724	ug/l	100
61) Tetrachloroethene	11.082	164	60467	19.961	ug/l	97
62) Toluene	10.612	91	345500	18.004	ug/l	99
64) Chlorobenzene	11.870	112	216777	18.383	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.941	131	74040	17.858	ug/l	99
66) Ethyl Benzene	11.941	91	383950	17.950	ug/l	100
67) m/p-Xylenes	12.053	106	283956	36.167	ug/l	97
68) o-Xylene	12.376	106	136790	17.709	ug/l	97
69) Styrene	12.394	104	231079	17.521	ug/l	99
70) Isopropylbenzene	12.676	105	359719	18.331	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.917	83	124913	18.578	ug/l	99
72) 1,2,3-Trichloropropane	12.970	75	118482m	18.916	ug/l	
73) Bromobenzene	12.959	156	83683	18.395	ug/l	96
74) n-propylbenzene	13.012	91	453083	18.487	ug/l	100
75) 2-Chlorotoluene	13.106	91	267207	17.725	ug/l	98
76) 1,3,5-Trimethylbenzene	13.153	105	304513	18.123	ug/l	99
77) t-1,4-Dichloro-2-butene	12.723	75	23545	9.930	ug/l	89
78) 4-Chlorotoluene	13.200	91	278322	18.218	ug/l	98
79) tert-butylbenzene	13.417	119	261728	18.475	ug/l	98
80) 1,2,4-Trimethylbenzene	13.459	105	312997	18.643	ug/l	98
81) sec-Butylbenzene	13.594	105	387428	18.786	ug/l	99
82) p-Isopropyltoluene	13.706	119	323351	18.883	ug/l	100
83) 1,3-Dichlorobenzene	13.712	146	160385	18.514	ug/l	98
84) 1,4-Dichlorobenzene	13.788	146	166757	18.987	ug/l	98
85) n-Butylbenzene	14.035	91	319419	19.066	ug/l	97
86) Hexachloroethane	14.311	117	53120	15.886	ug/l	96
87) 1,2-Dichlorobenzene	14.088	146	156074	18.875	ug/l	100
88) 1,2-Dibromo-3-Chloropr...	14.700	75	30197	17.728	ug/l	93
89) 1,2,4-Trichlorobenzene	15.811	180	91292	18.473	ug/l	99
90) Hexachlorobutadiene	15.476	225	35687	18.571	ug/l	95
91) Naphthalene	15.617	128	348710	18.506	ug/l	99
92) 1,2,3-Trichlorobenzene	15.811	180	91292	18.473	ug/l	99

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

