

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092225\
 Data File : VN087918.D
 Acq On : 22 Sep 2025 13:45
 Operator : JC\MD
 Sample : Q3149-03MS
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 002 35th Ave(Aug)MS

Manual Integrations
 APPROVED

Reviewed By : John Carlone 09/23/2025
 Supervised By : Mahesh Dadoda 09/24/2025

Quant Time: Sep 23 04:52:14 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N090425W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Sep 05 03:29:53 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.800	128	50886	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.083	114	242033	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.841	117	230193	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.565	65	119057	27.389	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	91.300%		
60) 4-Bromofluorobenzene	12.823	95	109757	29.653	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	98.833%		
63) Toluene-d8	10.547	98	318276	29.731	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	99.100%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.142	85	43749	13.833	ug/l	91
3) Chloromethane	2.383	50	42123	12.688	ug/l	97
4) Vinyl Chloride	2.536	62	42613	11.355	ug/l	100
5) Bromomethane	2.983	94	25530	11.596	ug/l	93
6) Chloroethane	3.142	64	27610	10.764	ug/l #	83
7) Trichlorofluoromethane	3.512	101	73297	13.324	ug/l #	82
8) Diethyl Ether	3.959	74	26627	11.463	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.365	101	42288m	14.192	ug/l	
10) 1,1-Dichloroethene	4.336	96	38883	12.657	ug/l #	89
11) Methyl Iodide	4.583	142	26633	12.248	ug/l	87
12) Methyl Acetate	5.018	43	70412	14.869	ug/l	95
13) Acrolein	4.171	56	67118m	79.605	ug/l	
14) Acrylonitrile	5.712	53	141387	69.366	ug/l	94
15) Acetone	4.424	58	40140	63.127	ug/l	100
16) Carbon Disulfide	4.712	76	101592	12.045	ug/l #	94
17) Allyl chloride	5.018	41	60550	12.068	ug/l	99
18) Methylene Chloride	5.271	84	55933	16.074	ug/l #	73
19) trans-1,2-Dichloroethene	5.771	96	46568	14.864	ug/l	97
20) Diisopropyl ether	6.665	45	160206	13.885	ug/l	93
21) 1,1-Dichloroethane	6.547	63	93157	14.743	ug/l	96
22) cis-1,2-Dichloroethene	7.471	96	58526	15.390	ug/l	97
23) tert-Butyl Alcohol	5.524	59	49386	68.542	ug/l #	100
24) Methyl tert-Butyl Ether	5.789	73	158662	14.467	ug/l	98
25) Chloroform	7.947	83	113776	17.203	ug/l	94
26) Cyclohexane	8.241	56	56655	11.774	ug/l #	93
29) 1,1-Dichloropropene	8.353	75	58719	14.928	ug/l	95
30) 2-Butanone	7.471	43	199036	73.454	ug/l #	96
31) 2,2-Dichloropropane	7.477	77	83972	17.710	ug/l	99
32) 1,1,1-Trichloroethane	8.147	97	86616	17.369	ug/l	98
33) Carbon Tetrachloride	8.341	117	71351	17.160	ug/l #	91
34) Benzene	8.588	78	200873	15.801	ug/l	95
35) Methacrylonitrile	7.759	41	40291	14.216	ug/l	98
36) 1,2-Dichloroethane	8.653	62	78578	16.364	ug/l	98
37) Trichloroethene	9.330	130	48894	17.205	ug/l	91
38) Methylcyclohexane	9.577	83	63104	14.570	ug/l	96
39) 1,2-Dichloropropane	9.600	63	52633	16.165	ug/l	99
40) Dibromomethane	9.688	93	42406	17.501	ug/l	94
41) Bromodichloromethane	9.865	83	86166	17.398	ug/l	88
42) Vinyl Acetate	6.589	43	650976	71.903	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.547	43	80265m	14.498	ug/l	
44) Isopropyl Acetate	8.677	43	128711	14.830	ug/l	97
45) 1,4-Dioxane	9.677	88	17370	317.366	ug/l	98
46) Methyl methacrylate	9.659	41	58629	14.656	ug/l	96
47) n-amyl Acetate	12.682	43	78721m	13.422	ug/l	
48) t-1,3-Dichloropropene	10.818	75	79021	15.363	ug/l	96
49) cis-1,3-Dichloropropene	10.288	75	80755	15.328	ug/l	94
50) 1,1,2-Trichloroethane	10.994	97	55643	17.779	ug/l	90
51) Ethyl methacrylate	10.853	69	70110	14.395	ug/l	95
52) 1,3-Dichloropropane	11.141	76	88945	16.367	ug/l	99
53) Dibromochloromethane	11.335	129	67451	19.222	ug/l	93
54) 1,2-Dibromoethane	11.447	107	56118	17.233	ug/l	97
56) Bromoform	12.553	173	44633	19.477	ug/l #	98
58) 4-Methyl-2-Pentanone	10.424	43	424498	77.991	ug/l	100
59) 2-Hexanone	11.177	43	257987	72.538	ug/l	97
61) Tetrachloroethene	11.082	164	40620	17.723	ug/l	94
62) Toluene	10.606	91	221071	15.877	ug/l	100
64) Chlorobenzene	11.871	112	145633	17.041	ug/l	94
65) 1,1,1,2-Tetrachloroethane	11.941	131	55649	18.496	ug/l	94
66) Ethyl Benzene	11.941	91	225064	14.983	ug/l	93
67) m/p-Xylenes	12.053	106	174075	31.218	ug/l	97
68) o-Xylene	12.376	106	83228	15.394	ug/l	94
69) Styrene	12.388	104	144917	15.422	ug/l	99
70) Isopropylbenzene	12.676	105	213397	15.567	ug/l	97
71) 1,1,2,2-Tetrachloroethane	12.918	83	83845	17.013	ug/l	95
72) 1,2,3-Trichloropropane	12.971	75	78714m	16.267	ug/l	
73) Bromobenzene	12.959	156	57814	17.237	ug/l	91
74) n-propylbenzene	13.012	91	272077	15.730	ug/l	97
75) 2-Chlorotoluene	13.100	91	169092	16.243	ug/l	96
76) 1,3,5-Trimethylbenzene	13.153	105	190524	16.458	ug/l	98
77) t-1,4-Dichloro-2-butene	12.724	75	25225	15.445	ug/l	94
78) 4-Chlorotoluene	13.200	91	174941	16.669	ug/l	99
79) tert-butylbenzene	13.412	119	157934	16.290	ug/l	96
80) 1,2,4-Trimethylbenzene	13.459	105	192171	16.192	ug/l	95
81) sec-Butylbenzene	13.594	105	238084	16.696	ug/l	96
82) p-Isopropyltoluene	13.706	119	194640	16.566	ug/l	99
83) 1,3-Dichlorobenzene	13.712	146	119722	18.515	ug/l	98
84) 1,4-Dichlorobenzene	13.788	146	114855	17.721	ug/l	94
85) n-Butylbenzene	14.035	91	183495	16.247	ug/l	98
86) Hexachloroethane	14.312	117	44507	18.650	ug/l	94
87) 1,2-Dichlorobenzene	14.082	146	108622	17.811	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	14.694	75	18103m	16.553	ug/l	
89) 1,2,4-Trichlorobenzene	15.812	180	63090	18.189	ug/l	97
90) Hexachlorobutadiene	15.470	225	24483	21.055	ug/l	91
91) Naphthalene	15.617	128	198316	15.530	ug/l	98
92) 1,2,3-Trichlorobenzene	15.812	180	63090	18.189	ug/l	97

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

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