

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052925\
 Data File : VN086817.D
 Acq On : 29 May 2025 16:02
 Operator : JC\MD
 Sample : Q2126-08 5.0PPB
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT2-2025

Quant Time: May 30 02:44:18 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N052925W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri May 30 02:22:52 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 05/30/2025
 Supervised By : Mahesh Dadoda 05/30/2025

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

Internal Standards						
1) Bromochloromethane	7.812	128	37895	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	214368	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	188849	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.577	65	77633	29.817	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	99.400%		
60) 4-Bromofluorobenzene	12.847	95	86022	29.013	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	96.700%		
63) Toluene-d8	10.565	98	263903	30.446	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	101.500%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	11231	4.364	ug/l	97
3) Chloromethane	2.359	50	16987	5.119	ug/l	95
4) Vinyl Chloride	2.512	62	14575	4.773	ug/l	100
5) Bromomethane	2.959	94	8530	5.272	ug/l	94
6) Chloroethane	3.124	64	9051	4.846	ug/l	92
7) Trichlorofluoromethane	3.495	101	17636	4.931	ug/l	92
8) Diethyl Ether	3.965	74	7207	4.830	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.377	101	10771	4.914	ug/l	98
10) 1,1-Dichloroethene	4.342	96	10836	4.849	ug/l	95
11) Methyl Iodide	4.595	142	13140m	4.988	ug/l	
12) Methyl Acetate	5.018	43	10849	4.371	ug/l	98
13) Acrolein	4.177	56	7855m	30.637	ug/l	
14) Acrylonitrile	5.718	53	27238	23.584	ug/l	98
15) Acetone	4.430	58	7229m	24.721	ug/l	
16) Carbon Disulfide	4.712	76	32494	4.981	ug/l #	95
17) Allyl chloride	5.012	41	16213m	4.883	ug/l	
18) Methylene Chloride	5.271	84	13307	5.127	ug/l	90
19) trans-1,2-Dichloroethene	5.777	96	11831	5.059	ug/l	95
20) Diisopropyl ether	6.671	45	35317	4.830	ug/l	96
21) 1,1-Dichloroethane	6.565	63	22462	5.090	ug/l	98
22) cis-1,2-Dichloroethene	7.483	96	13672	4.827	ug/l	99
23) tert-Butyl Alcohol	5.518	59	9245m	24.927	ug/l	
24) Methyl tert-Butyl Ether	5.789	73	36285	4.927	ug/l #	61
25) Chloroform	7.965	83	21857	5.061	ug/l	97
26) Cyclohexane	8.253	56	18625	4.877	ug/l #	98
29) 1,1-Dichloropropene	8.371	75	15413	4.890	ug/l	99
30) 2-Butanone	7.477	43	33248	24.076	ug/l	98
31) 2,2-Dichloropropane	7.483	77	18387	4.942	ug/l	99
32) 1,1,1-Trichloroethane	8.171	97	18708	5.120	ug/l	100
33) Carbon Tetrachloride	8.359	117	15414	4.935	ug/l	91
34) Benzene	8.600	78	51212	4.994	ug/l #	85
35) Methacrylonitrile	7.777	41	7667m	4.833	ug/l	
36) 1,2-Dichloroethane	8.665	62	15662	5.212	ug/l #	72
37) Trichloroethene	9.347	130	13766	4.839	ug/l	98
38) Methylcyclohexane	9.594	83	16912	4.836	ug/l	98
39) 1,2-Dichloropropane	9.612	63	12360	5.006	ug/l	96
40) Dibromomethane	9.706	93	8117	5.027	ug/l	98
41) Bromodichloromethane	9.883	83	16830	4.979	ug/l	93
42) Vinyl Acetate	6.594	43	105173	26.127	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.559	43	14413	5.100	ug/l	96
44) Isopropyl Acetate	8.683	43	23995	4.950	ug/l	98
45) 1,4-Dioxane	9.688	88	4430	102.819	ug/l	92
46) Methyl methacrylate	9.677	41	10730	4.801	ug/l	97
47) n-amyl Acetate	12.488	43	17587	4.519	ug/l	100
48) t-1,3-Dichloropropene	10.829	75	17343	4.795	ug/l	92
49) cis-1,3-Dichloropropene	10.306	75	19458	4.891	ug/l	92
50) 1,1,2-Trichloroethane	11.012	97	11432	5.027	ug/l	97
51) Ethyl methacrylate	10.871	69	16571	4.499	ug/l	98
52) 1,3-Dichloropropane	11.159	76	19896	4.929	ug/l	96
53) Dibromochloromethane	11.353	129	12486	4.858	ug/l	96
54) 1,2-Dibromoethane	11.465	107	11309	4.865	ug/l	99
55) 2-Chloroethyl vinyl ether	10.159	63	39802	22.512	ug/l	99
56) Bromoform	12.576	173	7822	4.830	ug/l #	93
58) 4-Methyl-2-Pentanone	10.441	43	68853	24.847	ug/l	99
59) 2-Hexanone	11.194	43	47529	23.945	ug/l	97
61) Tetrachloroethene	11.100	164	15931	5.018	ug/l	87
62) Toluene	10.624	91	55008	5.172	ug/l	99
64) Chlorobenzene	11.888	112	34464	5.081	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.953	131	11226	5.038	ug/l	98
66) Ethyl Benzene	11.959	91	55135	4.793	ug/l	96
67) m/p-Xylenes	12.071	106	42814	9.484	ug/l	97
68) o-Xylene	12.394	106	20999	4.800	ug/l	98
69) Styrene	12.406	104	32190	4.416	ug/l	96
70) Isopropylbenzene	12.694	105	50725	4.875	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.935	83	12919	5.222	ug/l	99
72) 1,2,3-Trichloropropane	12.994	75	14594m	5.033	ug/l	
73) Bromobenzene	12.976	156	12559	4.856	ug/l	98
74) n-propylbenzene	13.035	91	57013	4.626	ug/l	100
75) 2-Chlorotoluene	13.123	91	37616	4.755	ug/l	95
76) 1,3,5-Trimethylbenzene	13.171	105	40252	4.650	ug/l	99
77) t-1,4-Dichloro-2-butene	12.735	75	5525	4.656	ug/l	86
78) 4-Chlorotoluene	13.218	91	38825	4.954	ug/l	97
79) tert-butylbenzene	13.435	119	33866	4.525	ug/l	98
80) 1,2,4-Trimethylbenzene	13.476	105	38844	4.470	ug/l	98
81) sec-Butylbenzene	13.612	105	47298	4.639	ug/l	99
82) p-Isopropyltoluene	13.723	119	37841	4.420	ug/l	99
83) 1,3-Dichlorobenzene	13.729	146	22617	4.767	ug/l	100
84) 1,4-Dichlorobenzene	13.812	146	22169	4.695	ug/l	99
85) n-Butylbenzene	14.053	91	29385	4.100	ug/l	97
86) Hexachloroethane	14.329	117	6513	4.463	ug/l	100
87) 1,2-Dichlorobenzene	14.106	146	21060	4.601	ug/l	98
88) 1,2-Dibromo-3-Chloropr...	14.717	75	1935	3.714	ug/l #	84
89) 1,2,4-Trichlorobenzene	15.835	180	8369	4.369	ug/l	95
90) Hexachlorobutadiene	15.494	225	3913	4.766	ug/l	94
91) Naphthalene	15.635	128	27223	4.073	ug/l	97
92) 1,2,3-Trichlorobenzene	15.835	180	8369	4.369	ug/l	95

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

