

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052925\
 Data File : VN086820.D
 Acq On : 29 May 2025 17:25
 Operator : JC\MD
 Sample : Q2098-02MS
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 OUTFALL-DSN-001MS

Quant Time: May 30 02:45:56 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	28709	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	167048	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.859	117	144677	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.577	65	61255	31.054	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 103.500%			
60) 4-Bromofluorobenzene	12.841	95	68107	29.984	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 99.933%			
63) Toluene-d8	10.565	98	200398	30.178	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 100.600%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	50160	25.725	ug/l	98
3) Chloromethane	2.365	50	106242	42.260	ug/l	98
4) Vinyl Chloride	2.512	62	58401	25.243	ug/l	98
5) Bromomethane	2.965	94	26070	21.267	ug/l	98
6) Chloroethane	3.124	64	50404m	35.620	ug/l	
7) Trichlorofluoromethane	3.501	101	68782	25.383	ug/l	97
8) Diethyl Ether	3.959	74	29299	25.921	ug/l	95
9) 1,1,2-Trichlorotrifluo...	4.371	101	44167	26.596	ug/l	99
10) 1,1-Dichloroethene	4.342	96	44351	26.196	ug/l	96
11) Methyl Iodide	4.589	142	46584	23.341	ug/l	97
12) Methyl Acetate	5.024	43	55410	29.469	ug/l	95
13) Acrolein	4.177	56	35936	185.007	ug/l	98
14) Acrylonitrile	5.718	53	115923	132.486	ug/l	98
15) Acetone	4.424	58	90973	410.638	ug/l	83
16) Carbon Disulfide	4.718	76	128408	25.982	ug/l	99
17) Allyl chloride	5.024	41	68414	27.200	ug/l	96
18) Methylene Chloride	5.277	84	59069	30.042	ug/l	97
19) trans-1,2-Dichloroethene	5.783	96	46113	26.026	ug/l	97
20) Diisopropyl ether	6.665	45	153311	27.676	ug/l	97
21) 1,1-Dichloroethane	6.559	63	87706	26.235	ug/l	98
22) cis-1,2-Dichloroethene	7.483	96	56717	26.433	ug/l	97
23) tert-Butyl Alcohol	5.506	59	41857	148.967	ug/l #	100
24) Methyl tert-Butyl Ether	5.789	73	154017	27.602	ug/l	99
25) Chloroform	7.965	83	181817	55.566	ug/l	98
26) Cyclohexane	8.253	56	79504	27.478	ug/l #	100
29) 1,1-Dichloropropene	8.371	75	63485	25.848	ug/l	99
30) 2-Butanone	7.483	43	152335	141.557	ug/l	100
31) 2,2-Dichloropropane	7.489	77	76690	26.452	ug/l	99
32) 1,1,1-Trichloroethane	8.165	97	74894	26.305	ug/l	99
33) Carbon Tetrachloride	8.359	117	61394	25.226	ug/l	98
34) Benzene	8.606	78	205839	25.758	ug/l	99
35) Methacrylonitrile	7.777	41	37229	30.116	ug/l	98
36) 1,2-Dichloroethane	8.665	62	62478	26.680	ug/l	99
37) Trichloroethene	9.347	130	46608	21.026	ug/l	99
38) Methylcyclohexane	9.594	83	72905	26.753	ug/l	99
39) 1,2-Dichloropropane	9.618	63	50184	26.084	ug/l	99
40) Dibromomethane	9.706	93	32741	26.019	ug/l	99
41) Bromodichloromethane	9.882	83	85248	32.364	ug/l	96
42) Vinyl Acetate	6.600	43	582133	185.580	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.553	43	61213m	27.798	ug/l	
44) Isopropyl Acetate	8.683	43	109580	29.009	ug/l	97
45) 1,4-Dioxane	9.688	88	18697	556.879	ug/l	95
46) Methyl methacrylate	9.677	41	51645	29.651	ug/l	98
47) n-amyl Acetate	12.488	43	99761	32.897	ug/l	95
48) t-1,3-Dichloropropene	10.835	75	76379	27.097	ug/l	100
49) cis-1,3-Dichloropropene	10.306	75	81335	26.234	ug/l	95
50) 1,1,2-Trichloroethane	11.012	97	47138	26.597	ug/l	96
51) Ethyl methacrylate	10.871	69	79123	27.566	ug/l	98
52) 1,3-Dichloropropane	11.159	76	80508	25.597	ug/l	100
53) Dibromochloromethane	11.353	129	55204	27.564	ug/l	97
54) 1,2-Dibromoethane	11.465	107	46957	25.920	ug/l	100
56) Bromoform	12.576	173	34008	26.950	ug/l	97
58) 4-Methyl-2-Pentanone	10.441	43	321064	151.239	ug/l	97
59) 2-Hexanone	11.194	43	225103	148.032	ug/l	97
61) Tetrachloroethene	11.100	164	37742	15.519	ug/l	92
62) Toluene	10.624	91	215197	26.410	ug/l	100
64) Chlorobenzene	11.888	112	132747	25.546	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.959	131	44547	26.095	ug/l	99
66) Ethyl Benzene	11.959	91	234054	26.557	ug/l	98
67) m/p-Xylenes	12.065	106	179155	51.802	ug/l	99
68) o-Xylene	12.394	106	87299	26.046	ug/l	97
69) Styrene	12.406	104	146193	26.180	ug/l	99
70) Isopropylbenzene	12.688	105	213010	26.720	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.935	83	67595	35.663	ug/l	98
72) 1,2,3-Trichloropropane	12.988	75	58974m	26.549	ug/l	
73) Bromobenzene	12.976	156	49414	24.938	ug/l	96
74) n-propylbenzene	13.029	91	244125	25.853	ug/l	99
75) 2-Chlorotoluene	13.123	91	152757	25.204	ug/l	99
76) 1,3,5-Trimethylbenzene	13.171	105	169147	25.505	ug/l	99
77) t-1,4-Dichloro-2-butene	12.735	75	27280	30.009	ug/l	93
78) 4-Chlorotoluene	13.218	91	150627	25.089	ug/l	99
79) tert-butylbenzene	13.435	119	145238	25.330	ug/l	100
80) 1,2,4-Trimethylbenzene	13.476	105	174468	26.209	ug/l	97
81) sec-Butylbenzene	13.612	105	198749	25.443	ug/l	100
82) p-Isopropyltoluene	13.723	119	167833	25.588	ug/l	98
83) 1,3-Dichlorobenzene	13.729	146	86482	23.791	ug/l	99
84) 1,4-Dichlorobenzene	13.806	146	87180	24.100	ug/l	100
85) n-Butylbenzene	14.053	91	176426	32.129	ug/l	89
86) Hexachloroethane	14.329	117	29785	26.644	ug/l	99
87) 1,2-Dichlorobenzene	14.106	146	86883	24.778	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	14.712	75	13390	33.548	ug/l #	87
89) 1,2,4-Trichlorobenzene	15.835	180	44943	30.626	ug/l	96
90) Hexachlorobutadiene	15.500	225	16342	25.982	ug/l	97
91) Naphthalene	15.635	128	168013	32.814	ug/l	99
92) 1,2,3-Trichlorobenzene	15.835	180	44943	30.626	ug/l	96

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

