

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN090525\
 Data File : VN087736.D
 Acq On : 05 Sep 2025 12:46
 Operator : JC\MD
 Sample : VN0905WBS01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0905WBS01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 09/08/2025
 Supervised By :Semsettin Yesilyurt 09/08/2025

Quant Time: Sep 06 01:03:17 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 22 02:55:42 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.212	168	202816	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.083	114	414160	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	375073	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	194094	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	206640	49.727	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	99.460%		
35) Dibromofluoromethane	8.147	113	144741	48.405	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	96.800%		
50) Toluene-d8	10.547	98	523233	46.751	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	93.500%		
62) 4-Bromofluorobenzene	12.829	95	185208	46.533	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	93.060%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.142	85	54839	19.038	ug/l	88
3) Chloromethane	2.383	50	59120	19.971	ug/l	93
4) Vinyl Chloride	2.542	62	65444	19.067	ug/l	97
5) Bromomethane	2.977	94	37774	21.329	ug/l	91
6) Chloroethane	3.136	64	47244	19.584	ug/l	94
7) Trichlorofluoromethane	3.506	101	103478	20.577	ug/l	97
8) Diethyl Ether	3.965	74	43275	19.760	ug/l	96
9) 1,1,2-Trichlorotrifluo...	4.365	101	56394	19.819	ug/l	98
10) Methyl Iodide	4.583	142	29742	18.892	ug/l #	87
11) Tert butyl alcohol	5.536	59	74591	103.397	ug/l	98
12) 1,1-Dichloroethene	4.330	96	56612	19.361	ug/l #	82
13) Acrolein	4.177	56	89685	101.125	ug/l	99
14) Allyl chloride	5.006	41	89670	16.922	ug/l	93
15) Acrylonitrile	5.712	53	199213	97.916	ug/l	99
16) Acetone	4.424	43	207565	91.757	ug/l	98
17) Carbon Disulfide	4.706	76	138718	17.232	ug/l	100
18) Methyl Acetate	5.012	43	109867	23.196	ug/l	100
19) Methyl tert-butyl Ether	5.789	73	210701	19.208	ug/l	95
20) Methylene Chloride	5.265	84	64205	18.849	ug/l #	91
21) trans-1,2-Dichloroethene	5.771	96	55805	17.609	ug/l	94
22) Diisopropyl ether	6.659	45	224055	19.594	ug/l	99
23) Vinyl Acetate	6.589	43	991172	95.273	ug/l	100
24) 1,1-Dichloroethane	6.553	63	119715	19.094	ug/l	98
25) 2-Butanone	7.471	43	289363	97.230	ug/l	98
26) 2,2-Dichloropropane	7.471	77	101711	18.901	ug/l	98
27) cis-1,2-Dichloroethene	7.471	96	72159	19.046	ug/l	98
28) Bromochloromethane	7.794	49	60714	20.031	ug/l	99
29) Tetrahydrofuran	7.830	42	181832	94.938	ug/l	98
30) Chloroform	7.953	83	127030	19.850	ug/l	94
31) Cyclohexane	8.241	56	91519	17.510	ug/l	93
32) 1,1,1-Trichloroethane	8.147	97	102844	18.963	ug/l	96
36) 1,1-Dichloropropene	8.353	75	78072	17.019	ug/l	98
37) Ethyl Acetate	7.547	43	108914	17.375	ug/l	96
38) Carbon Tetrachloride	8.341	117	85079	18.784	ug/l	91
39) Methylcyclohexane	9.582	83	78339	15.511	ug/l	93
40) Benzene	8.588	78	257376	18.292	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.765	41	63562	19.575	ug/l	96
42) 1,2-Dichloroethane	8.659	62	99042	18.318	ug/l	98
43) Isopropyl Acetate	8.677	43	185310	18.935	ug/l	99
44) Trichloroethene	9.330	130	57182	17.801	ug/l	88
45) 1,2-Dichloropropane	9.606	63	67321	18.152	ug/l	100
46) Dibromomethane	9.688	93	52023	19.712	ug/l	97
47) Bromodichloromethane	9.871	83	101341	18.736	ug/l #	99
48) Methyl methacrylate	9.665	41	84970	18.355	ug/l	98
49) 1,4-Dioxane	9.682	88	25018	416.958	ug/l #	95
51) 4-Methyl-2-Pentanone	10.430	43	585624	99.177	ug/l	99
52) Toluene	10.612	92	158361	18.155	ug/l	98
53) t-1,3-Dichloropropene	10.818	75	106122	18.954	ug/l	99
54) cis-1,3-Dichloropropene	10.294	75	107528	18.497	ug/l	96
55) 1,1,2-Trichloroethane	10.994	97	65106	19.295	ug/l	97
56) Ethyl methacrylate	10.859	69	100137	18.569	ug/l	97
57) 1,3-Dichloropropane	11.141	76	113972	19.085	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.141	63	251043	86.010	ug/l	100
59) 2-Hexanone	11.177	43	364621	97.705	ug/l	97
60) Dibromochloromethane	11.341	129	74177	18.972	ug/l	98
61) 1,2-Dibromoethane	11.447	107	68575	19.273	ug/l	98
64) Tetrachloroethene	11.088	164	46450	17.850	ug/l	89
65) Chlorobenzene	11.871	112	176444	18.909	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.941	131	62606	20.210	ug/l	99
67) Ethyl Benzene	11.941	91	298509	18.476	ug/l	98
68) m/p-Xylenes	12.053	106	218457	36.869	ug/l	99
69) o-Xylene	12.382	106	109506	18.859	ug/l	100
70) Styrene	12.394	104	187388	19.262	ug/l	99
71) Bromoform	12.559	173	48045	20.222	ug/l #	99
73) Isopropylbenzene	12.676	105	275968	17.595	ug/l	100
74) N-amyl acetate	12.553	43	101230m	17.031	ug/l	
75) 1,1,2,2-Tetrachloroethane	12.918	83	107682	19.942	ug/l	99
76) 1,2,3-Trichloropropane	12.971	75	88712m	19.490	ug/l	
77) Bromobenzene	12.959	156	67930	18.369	ug/l	99
78) n-propylbenzene	13.012	91	347530	17.989	ug/l	99
79) 2-Chlorotoluene	13.106	91	208141	17.903	ug/l	100
80) 1,3,5-Trimethylbenzene	13.153	105	234081	17.593	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.718	75	30269	17.606	ug/l	90
82) 4-Chlorotoluene	13.200	91	220190	18.014	ug/l	100
83) tert-Butylbenzene	13.418	119	194781	17.568	ug/l	98
84) 1,2,4-Trimethylbenzene	13.459	105	240564	18.061	ug/l	99
85) sec-Butylbenzene	13.594	105	292780	17.794	ug/l	99
86) p-Isopropyltoluene	13.706	119	238815	17.577	ug/l	99
87) 1,3-Dichlorobenzene	13.712	146	132387	18.179	ug/l	98
88) 1,4-Dichlorobenzene	13.788	146	136076	17.955	ug/l	98
89) n-Butylbenzene	14.035	91	229210	16.987	ug/l	98
90) Hexachloroethane	14.312	117	48747	18.833	ug/l	95
91) 1,2-Dichlorobenzene	14.082	146	125867	18.218	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.700	75	24438	19.051	ug/l	99
93) 1,2,4-Trichlorobenzene	15.364	180	75144	18.112	ug/l	96
94) Hexachlorobutadiene	15.476	225	24409	16.503	ug/l	98
95) Naphthalene	15.617	128	261978	17.828	ug/l	99
96) 1,2,3-Trichlorobenzene	15.817	180	72604	17.901	ug/l	97

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

