

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100125\
 Data File : VN088004.D
 Acq On : 01 Oct 2025 10:21
 Operator : JC\MD
 Sample : VN1001WBS01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1001WBS01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 10/03/2025
 Supervised By :Semsettin Yesilyurt 10/03/2025

Quant Time: Oct 01 10:39:22 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092325W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 24 05:05:30 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.206	168	198468	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.083	114	378087	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	355218	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	192448	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	182907	54.761	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 109.520%			
35) Dibromofluoromethane	8.147	113	141462	51.532	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.060%			
50) Toluene-d8	10.547	98	504057	52.215	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 104.420%			
62) 4-Bromofluorobenzene	12.829	95	175903	50.977	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 101.960%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.142	85	46983	20.441	ug/l	99
3) Chloromethane	2.383	50	47796	20.309	ug/l	99
4) Vinyl Chloride	2.542	62	47862	19.934	ug/l	96
5) Bromomethane	2.983	94	34158	22.948	ug/l	88
6) Chloroethane	3.142	64	34030	21.798	ug/l	98
7) Trichlorofluoromethane	3.518	101	82283	21.049	ug/l	93
8) Diethyl Ether	3.959	74	30357	20.555	ug/l	94
9) 1,1,2-Trichlorotrifluo...	4.365	101	42999	20.811	ug/l	99
10) Methyl Iodide	4.583	142	35872	19.291	ug/l	97
11) Tert butyl alcohol	5.518	59	47450	98.631	ug/l #	85
12) 1,1-Dichloroethene	4.342	96	45668	21.906	ug/l	93
13) Acrolein	4.177	56	54221	87.838	ug/l	94
14) Allyl chloride	5.018	41	68606	20.214	ug/l	99
15) Acrylonitrile	5.706	53	158995	105.361	ug/l	100
16) Acetone	4.418	43	147811	107.558	ug/l	98
17) Carbon Disulfide	4.706	76	123323	18.933	ug/l #	94
18) Methyl Acetate	5.018	43	83969	24.415	ug/l	97
19) Methyl tert-butyl Ether	5.789	73	170494	20.935	ug/l	97
20) Methylene Chloride	5.265	84	57133	20.539	ug/l #	95
21) trans-1,2-Dichloroethene	5.771	96	51123	20.003	ug/l	99
22) Diisopropyl ether	6.659	45	174403	22.012	ug/l	99
23) Vinyl Acetate	6.589	43	753822	112.997	ug/l	100
24) 1,1-Dichloroethane	6.559	63	100113	21.628	ug/l	98
25) 2-Butanone	7.465	43	224624	106.939	ug/l	95
26) 2,2-Dichloropropane	7.477	77	88701	21.568	ug/l	98
27) cis-1,2-Dichloroethene	7.471	96	62605	20.588	ug/l	99
28) Bromochloromethane	7.800	49	49853	19.823	ug/l	99
29) Tetrahydrofuran	7.830	42	137242	102.041	ug/l	99
30) Chloroform	7.947	83	113195	22.365	ug/l	87
31) Cyclohexane	8.241	56	72790	19.434	ug/l	98
32) 1,1,1-Trichloroethane	8.153	97	90741	21.218	ug/l	99
36) 1,1-Dichloropropene	8.353	75	66033	20.005	ug/l	98
37) Ethyl Acetate	7.547	43	83683	19.306	ug/l	99
38) Carbon Tetrachloride	8.347	117	77123	20.361	ug/l	98
39) Methylcyclohexane	9.582	83	68740	18.878	ug/l	94
40) Benzene	8.588	78	228280	20.887	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.759	41	45567	20.342	ug/l	97
42) 1,2-Dichloroethane	8.653	62	85019	20.845	ug/l	100
43) Isopropyl Acetate	8.671	43	138305	20.271	ug/l	98
44) Trichloroethene	9.335	130	53113	20.345	ug/l	99
45) 1,2-Dichloropropane	9.600	63	57886	21.122	ug/l	99
46) Dibromomethane	9.688	93	46081	21.309	ug/l	93
47) Bromodichloromethane	9.871	83	89361	21.068	ug/l	98
48) Methyl methacrylate	9.665	41	62506	19.783	ug/l	94
49) 1,4-Dioxane	9.682	88	18503	396.402	ug/l #	83
51) 4-Methyl-2-Pentanone	10.424	43	451628	106.079	ug/l	98
52) Toluene	10.612	92	139277	20.307	ug/l	95
53) t-1,3-Dichloropropene	10.818	75	87324	20.116	ug/l	96
54) cis-1,3-Dichloropropene	10.288	75	91163	20.220	ug/l	98
55) 1,1,2-Trichloroethane	10.994	97	57949	20.780	ug/l	96
56) Ethyl methacrylate	10.859	69	82216	20.404	ug/l	92
57) 1,3-Dichloropropane	11.141	76	98286	21.428	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.141	63	238814	126.051	ug/l	99
59) 2-Hexanone	11.177	43	288551	102.500	ug/l	97
60) Dibromochloromethane	11.335	129	68864	21.003	ug/l	94
61) 1,2-Dibromoethane	11.447	107	60830	20.605	ug/l	98
64) Tetrachloroethene	11.077	164	45458	21.009	ug/l	94
65) Chlorobenzene	11.871	112	155913	20.625	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.935	131	59509	21.830	ug/l	96
67) Ethyl Benzene	11.941	91	249685	19.795	ug/l	98
68) m/p-Xylenes	12.053	106	195756	40.579	ug/l	98
69) o-Xylene	12.376	106	92142	19.881	ug/l	98
70) Styrene	12.388	104	164469	20.662	ug/l	99
71) Bromoform	12.553	173	44820	20.266	ug/l #	97
73) Isopropylbenzene	12.671	105	233964	19.616	ug/l	99
74) N-amyl acetate	12.559	43	10540	2.682	ug/l #	76
75) 1,1,2,2-Tetrachloroethane	12.918	83	90740	21.115	ug/l	97
76) 1,2,3-Trichloropropane	12.971	75	87072m	22.953	ug/l	
77) Bromobenzene	12.959	156	63318	19.952	ug/l	98
78) n-propylbenzene	13.012	91	303676	20.364	ug/l	99
79) 2-Chlorotoluene	13.100	91	182761	20.128	ug/l	97
80) 1,3,5-Trimethylbenzene	13.153	105	203083	19.685	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.718	75	23901	17.495	ug/l #	75
82) 4-Chlorotoluene	13.200	91	186866	20.424	ug/l	98
83) tert-Butylbenzene	13.418	119	172117	19.710	ug/l	96
84) 1,2,4-Trimethylbenzene	13.459	105	215245	20.341	ug/l	100
85) sec-Butylbenzene	13.594	105	252049	19.687	ug/l	99
86) p-Isopropyltoluene	13.706	119	210111	19.377	ug/l	99
87) 1,3-Dichlorobenzene	13.712	146	123495	19.941	ug/l	99
88) 1,4-Dichlorobenzene	13.788	146	132383	20.801	ug/l	96
89) n-Butylbenzene	14.035	91	193324	18.865	ug/l	98
90) Hexachloroethane	14.312	117	42813	18.901	ug/l	98
91) 1,2-Dichlorobenzene	14.082	146	122927	20.593	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.694	75	18822	18.849	ug/l	94
93) 1,2,4-Trichlorobenzene	15.364	180	65102	18.471	ug/l	99
94) Hexachlorobutadiene	15.476	225	24118	18.592	ug/l	97
95) Naphthalene	15.617	128	202073	17.861	ug/l	98
96) 1,2,3-Trichlorobenzene	15.817	180	64213	18.740	ug/l	97

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

