

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121625\
 Data File : VN088520.D
 Acq On : 16 Dec 2025 12:07
 Operator : JC\MD
 Sample : VN1216WBS02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1216WBS02

Quant Time: Dec 17 01:38:10 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112425W.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 25 01:34:52 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.200	168	415959	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.076	114	731821	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	655406	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.764	152	326382	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	409821	52.301	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 104.600%	
35) Dibromofluoromethane	8.147	113	282378	55.680	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 111.360%	
50) Toluene-d8	10.541	98	1049973	55.643	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 111.280%	
62) 4-Bromofluorobenzene	12.823	95	362040	55.917	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 111.840%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	2.142	85	109528	17.531	ug/l	98
3) Chloromethane	2.383	50	122744	18.292	ug/l	95
4) Vinyl Chloride	2.542	62	124640	18.258	ug/l	98
5) Bromomethane	2.989	94	63268	19.256	ug/l	99
6) Chloroethane	3.142	64	79985	18.934	ug/l	96
7) Trichlorofluoromethane	3.518	101	181770	18.945	ug/l	99
8) Diethyl Ether	3.965	74	72041	20.005	ug/l	96
9) 1,1,2-Trichlorotrifluo...	4.371	101	100242	19.626	ug/l	98
10) Methyl Iodide	4.583	142	91643	18.124	ug/l	94
11) Tert butyl alcohol	5.506	59	98423	78.673	ug/l #	85
12) 1,1-Dichloroethene	4.341	96	96082	18.933	ug/l	94
13) Acrolein	4.177	56	79628	66.483	ug/l	97
14) Allyl chloride	5.018	41	161916	17.214	ug/l	97
15) Acrylonitrile	5.706	53	343041	95.039	ug/l	98
16) Acetone	4.424	43	232541	82.058	ug/l	96
17) Carbon Disulfide	4.706	76	288320	17.386	ug/l	98
18) Methyl Acetate	5.012	43	165179	19.582	ug/l	99
19) Methyl tert-butyl Ether	5.783	73	378412	19.903	ug/l	99
20) Methylene Chloride	5.265	84	119007	19.628	ug/l	98
21) trans-1,2-Dichloroethene	5.771	96	105782	18.817	ug/l	89
22) Diisopropyl ether	6.653	45	395991	19.719	ug/l	98
23) Vinyl Acetate	6.583	43	1708603	105.605	ug/l	100
24) 1,1-Dichloroethane	6.547	63	223289	19.635	ug/l	99
25) 2-Butanone	7.465	43	410238	90.048	ug/l	99
26) 2,2-Dichloropropane	7.471	77	197953	20.166	ug/l	100
27) cis-1,2-Dichloroethene	7.471	96	125844	19.262	ug/l	99
28) Bromochloromethane	7.794	49	116307	20.531	ug/l	97
29) Tetrahydrofuran	7.818	42	303118	92.762	ug/l	99
30) Chloroform	7.947	83	226715	20.289	ug/l	96
31) Cyclohexane	8.235	56	193116	18.739	ug/l	96
32) 1,1,1-Trichloroethane	8.147	97	194446	19.791	ug/l	98
36) 1,1-Dichloropropene	8.347	75	151307	19.332	ug/l	99
37) Ethyl Acetate	7.541	43	187737	18.242	ug/l	96
38) Carbon Tetrachloride	8.341	117	162598	20.868	ug/l	99
39) Methylcyclohexane	9.576	83	157313	18.790	ug/l	92
40) Benzene	8.582	78	467334	20.344	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.759	41	99061	19.434	ug/l	97
42) 1,2-Dichloroethane	8.647	62	182614	20.836	ug/l	99
43) Isopropyl Acetate	8.671	43	296897	18.882	ug/l	97
44) Trichloroethene	9.329	130	107442	19.794	ug/l	87
45) 1,2-Dichloropropane	9.600	63	120231	20.428	ug/l #	89
46) Dibromomethane	9.682	93	87769	20.896	ug/l	97
47) Bromodichloromethane	9.865	83	176988	20.651	ug/l	98
48) Methyl methacrylate	9.659	41	135738	18.920	ug/l	93
49) 1,4-Dioxane	9.676	88	31636	346.735	ug/l #	97
51) 4-Methyl-2-Pentanone	10.423	43	932067	100.565	ug/l	97
52) Toluene	10.606	92	283901	21.403	ug/l	99
53) t-1,3-Dichloropropene	10.812	75	177021	20.123	ug/l	97
54) cis-1,3-Dichloropropene	10.288	75	193777	20.946	ug/l	96
55) 1,1,2-Trichloroethane	10.994	97	112632	21.947	ug/l	98
56) Ethyl methacrylate	10.853	69	169563	20.917	ug/l	92
57) 1,3-Dichloropropane	11.141	76	197796	21.364	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.135	63	528922	113.172	ug/l	100
59) 2-Hexanone	11.176	43	566752	97.070	ug/l	94
60) Dibromochloromethane	11.335	129	128700	21.998	ug/l	100
61) 1,2-Dibromoethane	11.447	107	107408	20.668	ug/l	95
64) Tetrachloroethene	11.076	164	97382	18.742	ug/l	96
65) Chlorobenzene	11.865	112	301422	20.475	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.935	131	108311	21.814	ug/l	99
67) Ethyl Benzene	11.941	91	514637	20.001	ug/l	99
68) m/p-Xylenes	12.047	106	392342	41.126	ug/l	98
69) o-Xylene	12.370	106	182027	20.014	ug/l	99
70) Styrene	12.388	104	306682	20.767	ug/l	99
71) Bromoform	12.553	173	80040	22.008	ug/l #	97
73) Isopropylbenzene	12.670	105	479399	19.866	ug/l	100
74) N-amyl acetate	12.682	43	166182m	20.221	ug/l	
75) 1,1,2,2-Tetrachloroethane	12.917	83	164541	21.091	ug/l	98
76) 1,2,3-Trichloropropane	12.970	75	173268m	22.666	ug/l	
77) Bromobenzene	12.959	156	114936	20.816	ug/l	98
78) n-propylbenzene	13.012	91	595343	20.166	ug/l	100
79) 2-Chlorotoluene	13.100	91	349294	19.374	ug/l	98
80) 1,3,5-Trimethylbenzene	13.147	105	402543	20.130	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.717	75	53683	19.922	ug/l #	91
82) 4-Chlorotoluene	13.200	91	363829	20.318	ug/l	97
83) tert-Butylbenzene	13.412	119	326421	19.202	ug/l	98
84) 1,2,4-Trimethylbenzene	13.459	105	406014	20.427	ug/l	97
85) sec-Butylbenzene	13.588	105	496589	20.335	ug/l	99
86) p-Isopropyltoluene	13.706	119	401181	20.034	ug/l	97
87) 1,3-Dichlorobenzene	13.706	146	218854	20.361	ug/l	99
88) 1,4-Dichlorobenzene	13.788	146	229061	20.345	ug/l	99
89) n-Butylbenzene	14.029	91	381125	19.602	ug/l	99
90) Hexachloroethane	14.306	117	72620	19.851	ug/l	95
91) 1,2-Dichlorobenzene	14.082	146	207129	20.478	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.700	75	35121	18.555	ug/l	99
93) 1,2,4-Trichlorobenzene	15.364	180	117494	19.550	ug/l	98
94) Hexachlorobutadiene	15.470	225	52408	24.267	ug/l	98
95) Naphthalene	15.611	128	385778	18.524	ug/l	99
96) 1,2,3-Trichlorobenzene	15.811	180	114768	19.622	ug/l	96

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

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