

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120425\
 Data File : VN088444.D
 Acq On : 04 Dec 2025 14:45
 Operator : JC\MD
 Sample : VN1204WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1204WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 12/05/2025
 Supervised By : Semsettin Yesilyurt 12/05/2025

Quant Time: Dec 05 00:15:47 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	8.206	168	290727	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.077	114	529277	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	469866	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	229597	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	306737	56.007	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 112.020%			
35) Dibromofluoromethane	8.147	113	194821	53.116	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 106.240%			
50) Toluene-d8	10.541	98	719265	52.704	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 105.400%			
62) 4-Bromofluorobenzene	12.829	95	263766	56.328	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 112.660%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.142	85	87020	19.928	ug/l	94
3) Chloromethane	2.383	50	84956	18.114	ug/l	97
4) Vinyl Chloride	2.536	62	90740	19.018	ug/l	96
5) Bromomethane	2.983	94	43017	18.733	ug/l	94
6) Chloroethane	3.148	64	55928	18.942	ug/l	99
7) Trichlorofluoromethane	3.518	101	138107	20.595	ug/l	99
8) Diethyl Ether	3.965	74	49843	19.803	ug/l	96
9) 1,1,2-Trichlorotrifluo...	4.377	101	71554	20.043	ug/l	99
10) Methyl Iodide	4.589	142	65248	18.463	ug/l	95
11) Tert butyl alcohol	5.518	59	80431	91.985	ug/l	99
12) 1,1-Dichloroethene	4.342	96	69022	19.460	ug/l	96
13) Acrolein	4.177	56	94599	113.005	ug/l	99
14) Allyl chloride	5.012	41	126430	19.231	ug/l	98
15) Acrylonitrile	5.706	53	250738	99.389	ug/l	98
16) Acetone	4.424	43	191583	96.727	ug/l	95
17) Carbon Disulfide	4.706	76	214025	18.466	ug/l	99
18) Methyl Acetate	5.018	43	126740	21.497	ug/l	99
19) Methyl tert-butyl Ether	5.783	73	277962	20.917	ug/l	100
20) Methylene Chloride	5.265	84	79618	18.788	ug/l	96
21) trans-1,2-Dichloroethene	5.771	96	74638	18.996	ug/l	84
22) Diisopropyl ether	6.659	45	291659	20.780	ug/l	97
23) Vinyl Acetate	6.589	43	1291270	114.189	ug/l	100
24) 1,1-Dichloroethane	6.553	63	156380	19.675	ug/l	99
25) 2-Butanone	7.465	43	318927	100.161	ug/l	97
26) 2,2-Dichloropropane	7.471	77	138156	20.137	ug/l	99
27) cis-1,2-Dichloroethene	7.471	96	88188	19.313	ug/l	96
28) Bromochloromethane	7.800	49	73205	18.489	ug/l	98
29) Tetrahydrofuran	7.824	42	234483	102.668	ug/l	98
30) Chloroform	7.947	83	157238	20.133	ug/l	93
31) Cyclohexane	8.241	56	140672	19.530	ug/l	97
32) 1,1,1-Trichloroethane	8.147	97	141532	20.610	ug/l	94
36) 1,1-Dichloropropene	8.353	75	108661	19.196	ug/l	99
37) Ethyl Acetate	7.547	43	150629	20.237	ug/l	99
38) Carbon Tetrachloride	8.341	117	114598	20.336	ug/l	98
39) Methylcyclohexane	9.577	83	114089	18.842	ug/l	97
40) Benzene	8.588	78	320551	19.294	ug/l	99

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41) Methacrylonitrile	7.765	41	76908	20.862	ug/l	96
42) 1,2-Dichloroethane	8.653	62	136648	21.558	ug/l	99
43) Isopropyl Acetate	8.671	43	226089	19.881	ug/l	98
44) Trichloroethene	9.330	130	73312	18.675	ug/l	89
45) 1,2-Dichloropropane	9.600	63	83457	19.606	ug/l	90
46) Dibromomethane	9.688	93	61573	20.269	ug/l	98
47) Bromodichloromethane	9.865	83	126000	20.328	ug/l	98
48) Methyl methacrylate	9.659	41	106808	20.584	ug/l	98
49) 1,4-Dioxane	9.682	88	23459	355.507	ug/l #	99
51) 4-Methyl-2-Pentanone	10.424	43	707725	105.581	ug/l	99
52) Toluene	10.606	92	192863	20.104	ug/l	99
53) t-1,3-Dichloropropene	10.812	75	127987	20.116	ug/l	93
54) cis-1,3-Dichloropropene	10.288	75	132808	19.849	ug/l	98
55) 1,1,2-Trichloroethane	10.994	97	76705	20.666	ug/l	98
56) Ethyl methacrylate	10.859	69	126407	21.560	ug/l	99
57) 1,3-Dichloropropane	11.141	76	138389	20.668	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.141	63	320414	94.794	ug/l	98
59) 2-Hexanone	11.177	43	425614	100.793	ug/l	96
60) Dibromochloromethane	11.335	129	88166	20.837	ug/l	99
61) 1,2-Dibromoethane	11.447	107	78440	20.870	ug/l	99
64) Tetrachloroethene	11.082	164	64323	17.268	ug/l	97
65) Chlorobenzene	11.871	112	208506	19.756	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.935	131	71468	20.077	ug/l	99
67) Ethyl Benzene	11.941	91	364543	19.762	ug/l	98
68) m/p-Xylenes	12.047	106	273590	40.003	ug/l	97
69) o-Xylene	12.376	106	129944	19.929	ug/l	100
70) Styrene	12.388	104	216021	20.404	ug/l	98
71) Bromoform	12.559	173	53817	20.641	ug/l #	99
73) Isopropylbenzene	12.671	105	347231	20.454	ug/l	98
74) N-amyl acetate	12.682	43	111327m	19.256	ug/l	
75) 1,1,2,2-Tetrachloroethane	12.918	83	111054	20.235	ug/l	99
76) 1,2,3-Trichloropropane	12.971	75	113801m	21.162	ug/l	
77) Bromobenzene	12.959	156	77652	19.992	ug/l	96
78) n-propylbenzene	13.012	91	421199	20.281	ug/l	100
79) 2-Chlorotoluene	13.106	91	253171	19.962	ug/l	100
80) 1,3,5-Trimethylbenzene	13.153	105	281269	19.995	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.718	75	35239	18.590	ug/l #	93
82) 4-Chlorotoluene	13.200	91	267452	21.232	ug/l	99
83) tert-Butylbenzene	13.412	119	239926	20.064	ug/l	98
84) 1,2,4-Trimethylbenzene	13.459	105	286265	20.474	ug/l	97
85) sec-Butylbenzene	13.594	105	344400	20.048	ug/l	99
86) p-Isopropyltoluene	13.706	119	283564	20.130	ug/l	98
87) 1,3-Dichlorobenzene	13.712	146	148014	19.576	ug/l	99
88) 1,4-Dichlorobenzene	13.788	146	152072	19.200	ug/l	96
89) n-Butylbenzene	14.035	91	267202	19.536	ug/l	97
90) Hexachloroethane	14.312	117	48757	18.947	ug/l	99
91) 1,2-Dichlorobenzene	14.082	146	144112	20.254	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.694	75	26992	20.271	ug/l	98
93) 1,2,4-Trichlorobenzene	15.364	180	81616	19.305	ug/l	97
94) Hexachlorobutadiene	15.470	225	27309	17.976	ug/l	94
95) Naphthalene	15.612	128	302681	20.661	ug/l	99
96) 1,2,3-Trichlorobenzene	15.812	180	77952	18.946	ug/l	96

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

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