

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102825\
 Data File : VN088130.D
 Acq On : 28 Oct 2025 11:38
 Operator : JC\MD
 Sample : VN1028WBS01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1028WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 10/29/2025
 Supervised By : Semsettin Yesilyurt 10/29/2025

Quant Time: Oct 29 02:18:29 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 25 00:15:22 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.206	168	365445	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	715516	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	637348	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	312463	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.565	65	334399	52.917	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 105.840%			
35) Dibromofluoromethane	8.147	113	228055	47.443	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 94.880%			
50) Toluene-d8	10.547	98	838687	45.281	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 90.560%			
62) 4-Bromofluorobenzene	12.829	95	310646	47.491	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 94.980%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.142	85	66211	16.062	ug/l	99
3) Chloromethane	2.383	50	76287	15.731	ug/l	97
4) Vinyl Chloride	2.536	62	87155	16.494	ug/l	99
5) Bromomethane	2.977	94	46727	14.785	ug/l	100
6) Chloroethane	3.142	64	57655	15.144	ug/l	98
7) Trichlorofluoromethane	3.512	101	131702	15.627	ug/l	96
8) Diethyl Ether	3.959	74	52780	16.850	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.365	101	71067	16.342	ug/l	97
10) Methyl Iodide	4.583	142	55773	16.120	ug/l	97
11) Tert butyl alcohol	5.518	59	104113	95.632	ug/l	98
12) 1,1-Dichloroethene	4.330	96	70747	15.402	ug/l	94
13) Acrolein	4.177	56	108267	88.412	ug/l	97
14) Allyl chloride	5.012	41	138082	17.151	ug/l	98
15) Acrylonitrile	5.712	53	268618	90.581	ug/l	99
16) Acetone	4.424	43	285019	89.777	ug/l	99
17) Carbon Disulfide	4.700	76	215150	15.409	ug/l	96
18) Methyl Acetate	5.018	43	124166	19.104	ug/l	99
19) Methyl tert-butyl Ether	5.789	73	301534	17.876	ug/l	99
20) Methylene Chloride	5.265	84	90099	18.725	ug/l	94
21) trans-1,2-Dichloroethene	5.777	96	82767	16.416	ug/l	96
22) Diisopropyl ether	6.659	45	312361	18.449	ug/l	100
23) Vinyl Acetate	6.588	43	1404757	92.106	ug/l	98
24) 1,1-Dichloroethane	6.547	63	166726	17.777	ug/l	100
25) 2-Butanone	7.471	43	388592	92.880	ug/l	98
26) 2,2-Dichloropropane	7.471	77	143162	16.797	ug/l	98
27) cis-1,2-Dichloroethene	7.471	96	100090	17.244	ug/l	96
28) Bromochloromethane	7.794	49	66588	15.026	ug/l	99
29) Tetrahydrofuran	7.830	42	244660	89.730	ug/l	99
30) Chloroform	7.953	83	170756	18.224	ug/l	99
31) Cyclohexane	8.235	56	150374	17.000	ug/l	95
32) 1,1,1-Trichloroethane	8.147	97	146848	17.597	ug/l	95
36) 1,1-Dichloropropene	8.353	75	116680	16.624	ug/l	99
37) Ethyl Acetate	7.547	43	154894	17.101	ug/l	97
38) Carbon Tetrachloride	8.347	117	120669	16.646	ug/l	96
39) Methylcyclohexane	9.582	83	138438	15.345	ug/l	99
40) Benzene	8.588	78	357031	16.703	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.765	41	79377	16.651	ug/l	98
42) 1,2-Dichloroethane	8.653	62	139579	18.378	ug/l	99
43) Isopropyl Acetate	8.671	43	245248	17.621	ug/l	99
44) Trichloroethene	9.335	130	82393	16.491	ug/l	99
45) 1,2-Dichloropropane	9.600	63	93267	17.284	ug/l	98
46) Dibromomethane	9.694	93	67626	17.571	ug/l	98
47) Bromodichloromethane	9.865	83	131483	17.064	ug/l	97
48) Methyl methacrylate	9.665	41	115238	17.934	ug/l	99
49) 1,4-Dioxane	9.682	88	30760	384.899	ug/l #	99
51) 4-Methyl-2-Pentanone	10.423	43	743509	90.303	ug/l	99
52) Toluene	10.612	92	219734	16.674	ug/l	99
53) t-1,3-Dichloropropene	10.818	75	138002	16.827	ug/l	100
54) cis-1,3-Dichloropropene	10.294	75	143745	16.518	ug/l	91
55) 1,1,2-Trichloroethane	10.994	97	83226	16.646	ug/l	95
56) Ethyl methacrylate	10.859	69	133316	16.849	ug/l	96
57) 1,3-Dichloropropane	11.141	76	153639	17.483	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.141	63	339590	82.513	ug/l	100
59) 2-Hexanone	11.176	43	465936	85.306	ug/l	95
60) Dibromochloromethane	11.341	129	93701	16.489	ug/l	98
61) 1,2-Dibromoethane	11.447	107	84583	16.438	ug/l	96
64) Tetrachloroethene	11.082	164	65951	15.687	ug/l	98
65) Chlorobenzene	11.870	112	230372	15.918	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.941	131	79145	16.692	ug/l	99
67) Ethyl Benzene	11.941	91	418045	16.456	ug/l	95
68) m/p-Xylenes	12.047	106	308395	32.401	ug/l	98
69) o-Xylene	12.376	106	153175	16.976	ug/l	98
70) Styrene	12.394	104	252381	17.153	ug/l	99
71) Bromoform	12.559	173	57512	16.254	ug/l #	99
73) Isopropylbenzene	12.670	105	391686	16.253	ug/l	99
74) N-amyl acetate	12.735	43	121504m	17.761	ug/l	
75) 1,1,2,2-Tetrachloroethane	12.917	83	133462	17.788	ug/l	99
76) 1,2,3-Trichloropropane	12.970	75	129682m	18.153	ug/l	
77) Bromobenzene	12.959	156	90140	17.345	ug/l	100
78) n-propylbenzene	13.012	91	479311	16.298	ug/l	100
79) 2-Chlorotoluene	13.106	91	291170	17.361	ug/l	99
80) 1,3,5-Trimethylbenzene	13.153	105	330925	16.534	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.717	75	34864	13.614	ug/l	91
82) 4-Chlorotoluene	13.200	91	298777	16.466	ug/l	99
83) tert-Butylbenzene	13.417	119	287893	16.102	ug/l	98
84) 1,2,4-Trimethylbenzene	13.459	105	335824	16.770	ug/l	100
85) sec-Butylbenzene	13.594	105	417672	15.900	ug/l	100
86) p-Isopropyltoluene	13.706	119	344301	16.339	ug/l	98
87) 1,3-Dichlorobenzene	13.712	146	172894	16.666	ug/l	99
88) 1,4-Dichlorobenzene	13.788	146	181623	16.300	ug/l	97
89) n-Butylbenzene	14.035	91	335965	16.095	ug/l	99
90) Hexachloroethane	14.311	117	59952	14.692	ug/l	92
91) 1,2-Dichlorobenzene	14.082	146	171402	17.140	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.700	75	30187	17.286	ug/l	93
93) 1,2,4-Trichlorobenzene	15.364	180	100598	16.610	ug/l	99
94) Hexachlorobutadiene	15.470	225	38502	17.071	ug/l	97
95) Naphthalene	15.617	128	336209	16.205	ug/l	99
96) 1,2,3-Trichlorobenzene	15.811	180	96339	16.590	ug/l	99

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

