

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110725\
 Data File : VN088225.D
 Acq On : 07 Nov 2025 11:47
 Operator : JC\MD
 Sample : VN1107WBS01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1107WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 11/10/2025
 Supervised By : Mahesh Dadoda 11/10/2025

Quant Time: Nov 08 01:54:03 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 03 01:16:06 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.206	168	316837	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	610543	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	528698	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	262907	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.565	65	303328	55.364	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 110.720%			
35) Dibromofluoromethane	8.147	113	210612	51.348	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.700%			
50) Toluene-d8	10.547	98	756197	47.847	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 95.700%			
62) 4-Bromofluorobenzene	12.829	95	275373	49.337	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 98.680%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.142	85	59638	16.687	ug/l	93
3) Chloromethane	2.383	50	83198	19.788	ug/l	98
4) Vinyl Chloride	2.536	62	86065	18.787	ug/l	91
5) Bromomethane	2.977	94	51586	18.826	ug/l	96
6) Chloroethane	3.142	64	56610	17.151	ug/l	93
7) Trichlorofluoromethane	3.518	101	123255	16.869	ug/l	98
8) Diethyl Ether	3.965	74	53972	19.874	ug/l	94
9) 1,1,2-Trichlorotrifluo...	4.365	101	65966	17.496	ug/l	97
10) Methyl Iodide	4.583	142	72320	20.988	ug/l	95
11) Tert butyl alcohol	5.518	59	107128	113.498	ug/l	99
12) 1,1-Dichloroethene	4.336	96	66556	16.713	ug/l	84
13) Acrolein	4.177	56	84612	79.695	ug/l	99
14) Allyl chloride	5.006	41	139033	19.919	ug/l	98
15) Acrylonitrile	5.706	53	291492	113.374	ug/l	99
16) Acetone	4.418	43	292031	106.098	ug/l	99
17) Carbon Disulfide	4.706	76	213468	17.634	ug/l	98
18) Methyl Acetate	5.024	43	136242	24.178	ug/l	99
19) Methyl tert-butyl Ether	5.788	73	318225	21.759	ug/l	98
20) Methylene Chloride	5.265	84	95099	20.583	ug/l	95
21) trans-1,2-Dichloroethene	5.777	96	82032	18.767	ug/l	97
22) Diisopropyl ether	6.659	45	327878	22.336	ug/l	97
23) Vinyl Acetate	6.588	43	1481207	112.018	ug/l	100
24) 1,1-Dichloroethane	6.553	63	175527	21.586	ug/l	96
25) 2-Butanone	7.465	43	417286	115.039	ug/l	98
26) 2,2-Dichloropropane	7.471	77	145523	19.693	ug/l	100
27) cis-1,2-Dichloroethene	7.471	96	104918	20.849	ug/l	97
28) Bromochloromethane	7.794	49	82739	21.535	ug/l	99
29) Tetrahydrofuran	7.824	42	260330	110.125	ug/l	98
30) Chloroform	7.947	83	173640	21.375	ug/l	93
31) Cyclohexane	8.241	56	140853	18.366	ug/l	93
32) 1,1,1-Trichloroethane	8.153	97	144118	19.919	ug/l	95
36) 1,1-Dichloropropene	8.353	75	115927	19.357	ug/l	99
37) Ethyl Acetate	7.547	43	161391	20.882	ug/l	98
38) Carbon Tetrachloride	8.341	117	118328	19.130	ug/l	97
39) Methylcyclohexane	9.582	83	124101	16.121	ug/l	97
40) Benzene	8.588	78	369830	20.277	ug/l	99

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41) Methacrylonitrile	7.765	41	90502	22.249	ug/l	96
42) 1,2-Dichloroethane	8.653	62	145360	22.430	ug/l	99
43) Isopropyl Acetate	8.671	43	252130	21.231	ug/l	98
44) Trichloroethene	9.335	130	83576	19.604	ug/l	97
45) 1,2-Dichloropropane	9.600	63	96182	20.888	ug/l	96
46) Dibromomethane	9.688	93	67667	20.605	ug/l	98
47) Bromodichloromethane	9.865	83	141978	21.594	ug/l	96
48) Methyl methacrylate	9.665	41	118965	21.698	ug/l	99
49) 1,4-Dioxane	9.682	88	32574	477.677	ug/l #	96
51) 4-Methyl-2-Pentanone	10.423	43	786744	111.983	ug/l	100
52) Toluene	10.606	92	219303	19.502	ug/l	98
53) t-1,3-Dichloropropene	10.818	75	144240	20.612	ug/l	97
54) cis-1,3-Dichloropropene	10.294	75	158168	21.300	ug/l	99
55) 1,1,2-Trichloroethane	10.994	97	85321	19.999	ug/l	98
56) Ethyl methacrylate	10.859	69	145079	21.489	ug/l	96
57) 1,3-Dichloropropane	11.141	76	157489	21.002	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.141	63	425295	121.105	ug/l	100
59) 2-Hexanone	11.176	43	502399	107.797	ug/l	97
60) Dibromochloromethane	11.335	129	97258	20.057	ug/l	99
61) 1,2-Dibromoethane	11.447	107	88935	20.255	ug/l	99
64) Tetrachloroethene	11.076	164	62249	17.850	ug/l	92
65) Chlorobenzene	11.870	112	238264	19.847	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.941	131	80366	20.433	ug/l	98
67) Ethyl Benzene	11.941	91	410050	19.459	ug/l	99
68) m/p-Xylenes	12.053	106	300708	38.086	ug/l	100
69) o-Xylene	12.376	106	151560	20.249	ug/l	100
70) Styrene	12.394	104	248757	20.381	ug/l	98
71) Bromoform	12.559	173	59559	20.292	ug/l #	98
73) Isopropylbenzene	12.676	105	379967	18.738	ug/l	100
74) N-amyl acetate	12.682	43	105666m	18.357	ug/l	
75) 1,1,2,2-Tetrachloroethane	12.917	83	130608	20.689	ug/l	99
76) 1,2,3-Trichloropropane	12.976	75	114426m	19.037	ug/l	
77) Bromobenzene	12.959	156	92029	21.047	ug/l	99
78) n-propylbenzene	13.011	91	463849	18.745	ug/l	100
79) 2-Chlorotoluene	13.106	91	283242	20.071	ug/l	98
80) 1,3,5-Trimethylbenzene	13.153	105	319320	18.962	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.711	75	37181	17.255	ug/l #	82
82) 4-Chlorotoluene	13.200	91	292726	19.173	ug/l	99
83) tert-Butylbenzene	13.417	119	271020	18.016	ug/l	99
84) 1,2,4-Trimethylbenzene	13.459	105	328035	19.469	ug/l	99
85) sec-Butylbenzene	13.594	105	388056	17.557	ug/l	100
86) p-Isopropyltoluene	13.706	119	325865	18.379	ug/l	97
87) 1,3-Dichlorobenzene	13.711	146	168314	19.282	ug/l	99
88) 1,4-Dichlorobenzene	13.788	146	180770	19.282	ug/l	98
89) n-Butylbenzene	14.035	91	309305	17.611	ug/l	98
90) Hexachloroethane	14.311	117	61234	17.834	ug/l	95
91) 1,2-Dichlorobenzene	14.082	146	166145	19.746	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.700	75	29217	19.884	ug/l	97
93) 1,2,4-Trichlorobenzene	15.370	180	96495	18.936	ug/l	97
94) Hexachlorobutadiene	15.476	225	35501	18.708	ug/l	98
95) Naphthalene	15.617	128	324649	18.597	ug/l	100
96) 1,2,3-Trichlorobenzene	15.817	180	88763	18.167	ug/l	99

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

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