

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120125\
 Data File : VN088373.D
 Acq On : 01 Dec 2025 11:27
 Operator : JC\MD
 Sample : VN1201WBS01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1201WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 12/02/2025
 Supervised By : Mahesh Dadoda 12/02/2025

Quant Time: Dec 02 00:10:02 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	256678	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.083	114	487472	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	435019	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	207303	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	271013	56.049	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 112.100%			
35) Dibromofluoromethane	8.147	113	186190	55.116	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 110.240%			
50) Toluene-d8	10.541	98	690335	54.922	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 109.840%			
62) 4-Bromofluorobenzene	12.829	95	230018	53.334	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 106.660%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.142	85	70210	18.211	ug/l	99
3) Chloromethane	2.383	50	80214	19.372	ug/l	94
4) Vinyl Chloride	2.536	62	79487	18.870	ug/l	99
5) Bromomethane	2.989	94	39940	19.700	ug/l	96
6) Chloroethane	3.142	64	50911	19.530	ug/l	99
7) Trichlorofluoromethane	3.512	101	109953	18.572	ug/l	94
8) Diethyl Ether	3.965	74	43004	19.352	ug/l	94
9) 1,1,2-Trichlorotrifluo...	4.371	101	58508	18.563	ug/l	97
10) Methyl Iodide	4.583	142	59901	19.198	ug/l	98
11) Tert butyl alcohol	5.512	59	67525	87.469	ug/l	97
12) 1,1-Dichloroethene	4.336	96	59547	19.015	ug/l	87
13) Acrolein	4.177	56	88765	120.102	ug/l	97
14) Allyl chloride	5.018	41	108153	18.633	ug/l	98
15) Acrylonitrile	5.706	53	218028	97.888	ug/l	98
16) Acetone	4.418	43	153779	87.939	ug/l	94
17) Carbon Disulfide	4.706	76	198994	19.446	ug/l	100
18) Methyl Acetate	5.018	43	99423	19.100	ug/l	98
19) Methyl tert-butyl Ether	5.783	73	233707	19.919	ug/l	100
20) Methylene Chloride	5.271	84	74861	20.009	ug/l	83
21) trans-1,2-Dichloroethene	5.771	96	68123	19.638	ug/l	89
22) Diisopropyl ether	6.653	45	255505	20.619	ug/l	93
23) Vinyl Acetate	6.589	43	1003026m	100.465	ug/l	
24) 1,1-Dichloroethane	6.547	63	139057	19.816	ug/l	100
25) 2-Butanone	7.465	43	269940	96.022	ug/l	97
26) 2,2-Dichloropropane	7.471	77	115800	19.118	ug/l	98
27) cis-1,2-Dichloroethene	7.465	96	80954	20.080	ug/l	98
28) Bromochloromethane	7.789	49	67630	19.346	ug/l #	98
29) Tetrahydrofuran	7.818	42	200576	99.471	ug/l	99
30) Chloroform	7.941	83	140173	20.329	ug/l	100
31) Cyclohexane	8.241	56	114116	17.945	ug/l	98
32) 1,1,1-Trichloroethane	8.147	97	114251	18.845	ug/l	96
36) 1,1-Dichloropropene	8.353	75	93124	17.862	ug/l	99
37) Ethyl Acetate	7.547	43	129007	18.819	ug/l	100
38) Carbon Tetrachloride	8.341	117	94912	18.287	ug/l	96
39) Methylcyclohexane	9.583	83	95473	17.120	ug/l	97
40) Benzene	8.588	78	296136	19.353	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.765	41	63234	18.624	ug/l	98
42) 1,2-Dichloroethane	8.653	62	114468	19.607	ug/l	98
43) Isopropyl Acetate	8.671	43	195071	18.624	ug/l	98
44) Trichloroethene	9.330	130	67826	18.759	ug/l	95
45) 1,2-Dichloropropane	9.600	63	77770	19.837	ug/l	93
46) Dibromomethane	9.688	93	55251	19.747	ug/l	98
47) Bromodichloromethane	9.871	83	111551	19.540	ug/l	92
48) Methyl methacrylate	9.659	41	87729	18.357	ug/l	97
49) 1,4-Dioxane	9.683	88	21595	355.324	ug/l #	99
51) 4-Methyl-2-Pentanone	10.424	43	606997	98.320	ug/l	100
52) Toluene	10.606	92	172323	19.503	ug/l	99
53) t-1,3-Dichloropropene	10.812	75	116655	19.908	ug/l	98
54) cis-1,3-Dichloropropene	10.294	75	123675	20.070	ug/l	99
55) 1,1,2-Trichloroethane	10.994	97	68939	20.166	ug/l	96
56) Ethyl methacrylate	10.859	69	106640	19.749	ug/l	96
57) 1,3-Dichloropropane	11.141	76	122169	19.810	ug/l	98
58) 2-Chloroethyl Vinyl ether	10.135	63	278967	89.610	ug/l	97
59) 2-Hexanone	11.177	43	363554	93.479	ug/l	98
60) Dibromochloromethane	11.335	129	78151	20.054	ug/l	97
61) 1,2-Dibromoethane	11.447	107	71254	20.583	ug/l	98
64) Tetrachloroethene	11.082	164	61757	17.907	ug/l	96
65) Chlorobenzene	11.871	112	190129	19.458	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.935	131	65977	20.020	ug/l	98
67) Ethyl Benzene	11.941	91	316848	18.553	ug/l	99
68) m/p-Xylenes	12.047	106	234320	37.005	ug/l	97
69) o-Xylene	12.376	106	110515	18.307	ug/l	100
70) Styrene	12.388	104	191890	19.577	ug/l	99
71) Bromoform	12.559	173	48189	19.963	ug/l #	99
73) Isopropylbenzene	12.676	105	285585	18.632	ug/l	99
74) N-amyl acetate	12.682	43	103450m	19.818	ug/l	
75) 1,1,2,2-Tetrachloroethane	12.912	83	99427	20.065	ug/l	97
76) 1,2,3-Trichloropropane	12.971	75	95762m	19.723	ug/l	
77) Bromobenzene	12.959	156	70858	20.205	ug/l	97
78) n-propylbenzene	13.012	91	349255	18.625	ug/l	100
79) 2-Chlorotoluene	13.100	91	213346	18.631	ug/l	98
80) 1,3,5-Trimethylbenzene	13.147	105	239698	18.872	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.718	75	31603	18.465	ug/l #	98
82) 4-Chlorotoluene	13.200	91	222136	19.531	ug/l	99
83) tert-Butylbenzene	13.412	119	195850	18.139	ug/l	99
84) 1,2,4-Trimethylbenzene	13.459	105	244186	19.342	ug/l	99
85) sec-Butylbenzene	13.594	105	282563	18.217	ug/l	100
86) p-Isopropyltoluene	13.706	119	237355	18.661	ug/l	99
87) 1,3-Dichlorobenzene	13.712	146	129958	19.036	ug/l	99
88) 1,4-Dichlorobenzene	13.788	146	131944	18.451	ug/l	97
89) n-Butylbenzene	14.029	91	220480	17.853	ug/l	100
90) Hexachloroethane	14.306	117	42679	18.368	ug/l	95
91) 1,2-Dichlorobenzene	14.082	146	124887	19.439	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.694	75	21886	18.204	ug/l	99
93) 1,2,4-Trichlorobenzene	15.365	180	70611	18.498	ug/l	98
94) Hexachlorobutadiene	15.470	225	24611	17.942	ug/l	99
95) Naphthalene	15.612	128	234599	17.736	ug/l	99
96) 1,2,3-Trichlorobenzene	15.812	180	68004	18.306	ug/l	99

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

