

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091625\
 Data File : VN087850.D
 Acq On : 16 Sep 2025 15:25
 Operator : JC\MD
 Sample : VN0916WBS01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0916WBS01

Quant Time: Sep 17 01:21:04 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 22 02:55:42 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 09/17/2025
 Supervised By : Mahesh Dadoda 09/18/2025

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

Internal Standards						
1) Pentafluorobenzene	8.206	168	212441	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	416535	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	384629	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	210239	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	191875	44.082	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	88.160%		
35) Dibromofluoromethane	8.153	113	142797	47.482	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	94.960%		
50) Toluene-d8	10.547	98	506575	45.005	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	90.000%		
62) 4-Bromofluorobenzene	12.829	95	187364	46.806	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	93.620%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.142	85	55904	18.528	ug/l	97
3) Chloromethane	2.383	50	59012	19.032	ug/l	97
4) Vinyl Chloride	2.536	62	64459	17.929	ug/l	98
5) Bromomethane	2.977	94	36769	19.821	ug/l	92
6) Chloroethane	3.142	64	45770	18.113	ug/l	94
7) Trichlorofluoromethane	3.506	101	102174	19.398	ug/l	97
8) Diethyl Ether	3.959	74	40276	17.557	ug/l	96
9) 1,1,2-Trichlorotrifluo...	4.371	101	54564	18.307	ug/l	96
10) Methyl Iodide	4.583	142	30221	18.530	ug/l #	95
11) Tert butyl alcohol	5.530	59	68041	90.044	ug/l	99
12) 1,1-Dichloroethene	4.342	96	55667	18.175	ug/l	85
13) Acrolein	4.183	56	67595	72.764	ug/l	93
14) Allyl chloride	5.012	41	87373	15.742	ug/l	93
15) Acrylonitrile	5.706	53	198074	92.945	ug/l	98
16) Acetone	4.424	43	179741	75.857	ug/l	97
17) Carbon Disulfide	4.706	76	163482	19.388	ug/l	97
18) Methyl Acetate	5.012	43	97217	19.596	ug/l	100
19) Methyl tert-butyl Ether	5.794	73	206909	18.008	ug/l	96
20) Methylene Chloride	5.265	84	68413	19.197	ug/l	97
21) trans-1,2-Dichloroethene	5.777	96	60716	18.291	ug/l	93
22) Diisopropyl ether	6.653	45	208232	17.385	ug/l	95
23) Vinyl Acetate	6.594	43	952603	87.417	ug/l	100
24) 1,1-Dichloroethane	6.553	63	118103	17.984	ug/l	95
25) 2-Butanone	7.471	43	271281	87.024	ug/l	98
26) 2,2-Dichloropropane	7.477	77	96026	17.036	ug/l	100
27) cis-1,2-Dichloroethene	7.471	96	77168	19.446	ug/l	93
28) Bromochloromethane	7.794	49	56730	17.868	ug/l	93
29) Tetrahydrofuran	7.830	42	177067	88.261	ug/l	98
30) Chloroform	7.947	83	126732	18.906	ug/l	99
31) Cyclohexane	8.235	56	96759	17.673	ug/l	95
32) 1,1,1-Trichloroethane	8.147	97	106285	18.710	ug/l	96
36) 1,1-Dichloropropene	8.353	75	81154	17.590	ug/l	96
37) Ethyl Acetate	7.553	43	109179	17.318	ug/l	99
38) Carbon Tetrachloride	8.347	117	87614	19.234	ug/l	94
39) Methylcyclohexane	9.582	83	88595	17.442	ug/l	94
40) Benzene	8.588	78	269680	19.058	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.771	41	54678	16.743	ug/l	92
42) 1,2-Dichloroethane	8.653	62	98286	18.074	ug/l	100
43) Isopropyl Acetate	8.677	43	174715	17.750	ug/l	98
44) Trichloroethene	9.335	130	60956	18.867	ug/l	93
45) 1,2-Dichloropropane	9.606	63	68739	18.429	ug/l	100
46) Dibromomethane	9.688	93	49768	18.750	ug/l	94
47) Bromodichloromethane	9.871	83	103785	19.078	ug/l #	95
48) Methyl methacrylate	9.665	41	78208	16.798	ug/l	97
49) 1,4-Dioxane	9.682	88	22511	373.036	ug/l #	94
51) 4-Methyl-2-Pentanone	10.423	43	551309	92.834	ug/l	100
52) Toluene	10.612	92	163565	18.645	ug/l	99
53) t-1,3-Dichloropropene	10.818	75	100551	17.857	ug/l	96
54) cis-1,3-Dichloropropene	10.294	75	109621	18.749	ug/l	97
55) 1,1,2-Trichloroethane	10.994	97	65951	19.433	ug/l	98
56) Ethyl methacrylate	10.853	69	95504	17.609	ug/l	96
57) 1,3-Dichloropropane	11.141	76	114165	19.008	ug/l	98
58) 2-Chloroethyl Vinyl ether	10.141	63	260397	88.706	ug/l	98
59) 2-Hexanone	11.176	43	338058	90.071	ug/l	98
60) Dibromochloromethane	11.335	129	74413	18.924	ug/l	99
61) 1,2-Dibromoethane	11.447	107	67826	18.954	ug/l	97
64) Tetrachloroethene	11.082	164	51220	19.194	ug/l	92
65) Chlorobenzene	11.870	112	183474	19.174	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.941	131	64982	20.455	ug/l	99
67) Ethyl Benzene	11.941	91	301786	18.215	ug/l	99
68) m/p-Xylenes	12.053	106	228624	37.626	ug/l	97
69) o-Xylene	12.376	106	111964	18.803	ug/l	95
70) Styrene	12.388	104	187752	18.820	ug/l	98
71) Bromoform	12.559	173	51182	21.008	ug/l #	95
73) Isopropylbenzene	12.670	105	283155	16.667	ug/l	99
74) N-amyl acetate	12.676	43	116357m	18.073	ug/l	
75) 1,1,2,2-Tetrachloroethane	12.917	83	102369	17.502	ug/l	98
76) 1,2,3-Trichloropropane	12.970	75	86649m	17.575	ug/l	
77) Bromobenzene	12.959	156	71443	17.836	ug/l	93
78) n-propylbenzene	13.012	91	357472	17.083	ug/l	99
79) 2-Chlorotoluene	13.100	91	213896	16.985	ug/l	99
80) 1,3,5-Trimethylbenzene	13.153	105	240227	16.669	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.717	75	28031	15.052	ug/l	84
82) 4-Chlorotoluene	13.200	91	219802	16.601	ug/l	94
83) tert-Butylbenzene	13.412	119	204658	17.041	ug/l	96
84) 1,2,4-Trimethylbenzene	13.459	105	249090	17.265	ug/l	99
85) sec-Butylbenzene	13.594	105	306232	17.183	ug/l	99
86) p-Isopropyltoluene	13.706	119	248091	16.858	ug/l	98
87) 1,3-Dichlorobenzene	13.711	146	141726	17.967	ug/l	97
88) 1,4-Dichlorobenzene	13.788	146	149128	18.166	ug/l	99
89) n-Butylbenzene	14.035	91	239567	16.391	ug/l	100
90) Hexachloroethane	14.306	117	50166	17.892	ug/l	92
91) 1,2-Dichlorobenzene	14.082	146	134043	17.912	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.694	75	22750	16.373	ug/l	94
93) 1,2,4-Trichlorobenzene	15.370	180	80915	18.006	ug/l	100
94) Hexachlorobutadiene	15.470	225	30415	18.985	ug/l	96
95) Naphthalene	15.611	128	259960	16.332	ug/l	99
96) 1,2,3-Trichlorobenzene	15.811	180	78003	17.755	ug/l	99

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

