

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091525\
 Data File : VN087824.D
 Acq On : 15 Sep 2025 10:29
 Operator : JC\MD
 Sample : VN0915WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0915WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 09/16/2025
 Supervised By : Semsettin Yesilyurt 09/16/2025

Quant Time: Sep 16 01:30:41 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

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

Internal Standards						
1) Pentafluorobenzene	8.206	168	231988	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	436544	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	400333	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	213781	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.565	65	210644	44.317	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	88.640%		
35) Dibromofluoromethane	8.153	113	151903	48.195	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	96.400%		
50) Toluene-d8	10.547	98	544705	46.174	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	92.340%		
62) 4-Bromofluorobenzene	12.829	95	194787	46.430	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	92.860%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.142	85	63480	19.266	ug/l	93
3) Chloromethane	2.383	50	63174	18.657	ug/l	98
4) Vinyl Chloride	2.542	62	72776	18.537	ug/l	99
5) Bromomethane	2.977	94	33141	16.360	ug/l	96
6) Chloroethane	3.136	64	46236	16.756	ug/l	97
7) Trichlorofluoromethane	3.518	101	113902	19.802	ug/l	95
8) Diethyl Ether	3.965	74	43695	17.443	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.365	101	60632	18.629	ug/l	95
10) Methyl Iodide	4.571	142	25147	15.741	ug/l #	86
11) Tert butyl alcohol	5.524	59	73516	89.092	ug/l	99
12) 1,1-Dichloroethene	4.330	96	59695	17.848	ug/l	96
13) Acrolein	4.177	56	82202	81.032	ug/l	99
14) Allyl chloride	5.006	41	107794m	17.785	ug/l	
15) Acrylonitrile	5.706	53	200485	86.150	ug/l	100
16) Acetone	4.424	43	205774	79.527	ug/l	96
17) Carbon Disulfide	4.700	76	176544	19.173	ug/l	99
18) Methyl Acetate	5.018	43	102186	18.862	ug/l	99
19) Methyl tert-butyl Ether	5.783	73	209230	16.675	ug/l	94
20) Methylene Chloride	5.259	84	69594	17.796	ug/l	98
21) trans-1,2-Dichloroethene	5.765	96	63543	17.529	ug/l	91
22) Diisopropyl ether	6.659	45	220658	16.870	ug/l	96
23) Vinyl Acetate	6.588	43	1014690	85.269	ug/l	99
24) 1,1-Dichloroethane	6.547	63	124386	17.344	ug/l	97
25) 2-Butanone	7.471	43	289819	85.137	ug/l	98
26) 2,2-Dichloropropane	7.471	77	106342	17.277	ug/l	99
27) cis-1,2-Dichloroethene	7.471	96	74418	17.173	ug/l	98
28) Bromochloromethane	7.794	49	70660	20.381	ug/l	97
29) Tetrahydrofuran	7.830	42	190022	86.738	ug/l	99
30) Chloroform	7.947	83	128971	17.619	ug/l	99
31) Cyclohexane	8.235	56	102115	17.080	ug/l	96
32) 1,1,1-Trichloroethane	8.147	97	108789	17.537	ug/l	93
36) 1,1-Dichloropropene	8.347	75	85601	17.703	ug/l	99
37) Ethyl Acetate	7.541	43	109212	16.529	ug/l #	94
38) Carbon Tetrachloride	8.341	117	92204	19.314	ug/l	92
39) Methylcyclohexane	9.582	83	97768	18.366	ug/l	93
40) Benzene	8.588	78	273946	18.472	ug/l	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.765	41	62537	18.272	ug/l	98
42) 1,2-Dichloroethane	8.653	62	104448	18.327	ug/l	99
43) Isopropyl Acetate	8.677	43	185883	18.019	ug/l	99
44) Trichloroethene	9.329	130	61995	18.309	ug/l	93
45) 1,2-Dichloropropane	9.600	63	70103	17.933	ug/l	94
46) Dibromomethane	9.688	93	53930	19.386	ug/l	95
47) Bromodichloromethane	9.865	83	107078	18.781	ug/l	92
48) Methyl methacrylate	9.665	41	81257	16.653	ug/l	95
49) 1,4-Dioxane	9.682	88	25086	396.653	ug/l #	88
51) 4-Methyl-2-Pentanone	10.423	43	574954	92.378	ug/l	98
52) Toluene	10.612	92	170204	18.512	ug/l	99
53) t-1,3-Dichloropropene	10.818	75	109070	18.482	ug/l	97
54) cis-1,3-Dichloropropene	10.294	75	112626	18.380	ug/l	95
55) 1,1,2-Trichloroethane	10.994	97	69080	19.423	ug/l	94
56) Ethyl methacrylate	10.859	69	97814	17.208	ug/l	98
57) 1,3-Dichloropropane	11.141	76	116257	18.469	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.141	63	291427	94.726	ug/l	97
59) 2-Hexanone	11.182	43	343614	87.355	ug/l	98
60) Dibromochloromethane	11.341	129	78737	19.106	ug/l	100
61) 1,2-Dibromoethane	11.447	107	70048	18.678	ug/l	96
64) Tetrachloroethene	11.082	164	53679	19.327	ug/l	86
65) Chlorobenzene	11.870	112	180898	18.163	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.941	131	67833	20.515	ug/l	96
67) Ethyl Benzene	11.941	91	310381	17.999	ug/l	96
68) m/p-Xylenes	12.053	106	230739	36.485	ug/l	99
69) o-Xylene	12.382	106	111781	18.036	ug/l	95
70) Styrene	12.388	104	190167	18.315	ug/l	98
71) Bromoform	12.559	173	49546	19.538	ug/l #	97
73) Isopropylbenzene	12.676	105	289592	16.764	ug/l	99
74) N-amyl acetate	12.553	43	120140m	18.351	ug/l	
75) 1,1,2,2-Tetrachloroethane	12.917	83	105537	17.745	ug/l	99
76) 1,2,3-Trichloropropane	12.970	75	89053m	17.763	ug/l	
77) Bromobenzene	12.959	156	72309	17.753	ug/l	94
78) n-propylbenzene	13.012	91	367078	17.251	ug/l	98
79) 2-Chlorotoluene	13.106	91	218445	17.059	ug/l	99
80) 1,3,5-Trimethylbenzene	13.153	105	249808	17.046	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.717	75	29974m	15.829	ug/l	
82) 4-Chlorotoluene	13.200	91	227849	16.924	ug/l	96
83) tert-Butylbenzene	13.417	119	213721	17.501	ug/l	98
84) 1,2,4-Trimethylbenzene	13.459	105	259452	17.686	ug/l	98
85) sec-Butylbenzene	13.594	105	325238	17.947	ug/l	100
86) p-Isopropyltoluene	13.706	119	262843	17.564	ug/l	98
87) 1,3-Dichlorobenzene	13.712	146	140920	17.569	ug/l	98
88) 1,4-Dichlorobenzene	13.788	146	146108	17.504	ug/l	97
89) n-Butylbenzene	14.035	91	260046	17.497	ug/l	100
90) Hexachloroethane	14.306	117	51692	18.131	ug/l	90
91) 1,2-Dichlorobenzene	14.082	146	139704	18.359	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.694	75	23882	16.903	ug/l	97
93) 1,2,4-Trichlorobenzene	15.364	180	77696	17.003	ug/l	96
94) Hexachlorobutadiene	15.476	225	34676	21.286	ug/l	97
95) Naphthalene	15.617	128	271079	16.748	ug/l	99
96) 1,2,3-Trichlorobenzene	15.817	180	78857	17.652	ug/l	98

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

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