

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062625\
 Data File : VN087187.D
 Acq On : 26 Jun 2025 12:22
 Operator : JC\MD
 Sample : VN0626WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0626WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 06/27/2025
 Supervised By : Mahesh Dadoda 06/27/2025

Quant Time: Jun 27 01:23:29 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 07 02:12:50 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	160582	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	293263	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	264121	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	136333	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	104679	48.688	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	97.380%		
35) Dibromofluoromethane	8.177	113	84133	48.409	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	96.820%		
50) Toluene-d8	10.565	98	307366	44.675	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	89.340%		
62) 4-Bromofluorobenzene	12.847	95	115539	45.200	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	90.400%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.154	85	28138	17.574	ug/l	100
3) Chloromethane	2.401	50	28720	13.891	ug/l	100
4) Vinyl Chloride	2.554	62	31645	14.838	ug/l	96
5) Bromomethane	3.001	94	15815	13.251	ug/l	99
6) Chloroethane	3.159	64	17361	12.602	ug/l	98
7) Trichlorofluoromethane	3.530	101	34614	12.422	ug/l	96
8) Diethyl Ether	3.977	74	17435	14.361	ug/l	88
9) 1,1,2-Trichlorotrifluo...	4.400	101	29065	16.602	ug/l	97
10) Methyl Iodide	4.612	142	17196	7.577	ug/l	98
11) Tert butyl alcohol	5.530	59	43145	73.956	ug/l	98
12) 1,1-Dichloroethene	4.371	96	27447	15.356	ug/l	93
13) Acrolein	4.200	56	14767	79.968	ug/l	96
14) Allyl chloride	5.053	41	51090	17.236	ug/l	98
15) Acrylonitrile	5.742	53	117415	86.108	ug/l	99
16) Acetone	4.448	43	101035	88.614	ug/l	92
17) Carbon Disulfide	4.736	76	81032	16.390	ug/l	99
18) Methyl Acetate	5.048	43	56995	17.154	ug/l	96
19) Methyl tert-butyl Ether	5.812	73	110599	17.090	ug/l	93
20) Methylene Chloride	5.295	84	36425	17.064	ug/l	92
21) trans-1,2-Dichloroethene	5.812	96	33753	16.974	ug/l	99
22) Diisopropyl ether	6.683	45	114613	18.343	ug/l	97
23) Vinyl Acetate	6.618	43	498176	94.368	ug/l	98
24) 1,1-Dichloroethane	6.583	63	65713	18.275	ug/l	97
25) 2-Butanone	7.494	43	161137	86.945	ug/l	99
26) 2,2-Dichloropropane	7.506	77	56979	20.371	ug/l	97
27) cis-1,2-Dichloroethene	7.500	96	40925	17.208	ug/l	96
28) Bromochloromethane	7.824	49	35082	19.843	ug/l	93
29) Tetrahydrofuran	7.847	42	103748	85.934	ug/l	97
30) Chloroform	7.971	83	64866	18.064	ug/l	95
31) Cyclohexane	8.265	56	59220	16.983	ug/l	95
32) 1,1,1-Trichloroethane	8.177	97	54179	17.739	ug/l	95
36) 1,1-Dichloropropene	8.377	75	45794	17.683	ug/l	98
37) Ethyl Acetate	7.571	43	61150	18.549	ug/l	97
38) Carbon Tetrachloride	8.371	117	45685	17.969	ug/l	98
39) Methylcyclohexane	9.606	83	51023	14.381	ug/l	95
40) Benzene	8.612	78	146941	17.352	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.789	41	34070	18.402	ug/l	95
42) 1,2-Dichloroethane	8.677	62	48406	18.846	ug/l	97
43) Isopropyl Acetate	8.694	43	93514	17.673	ug/l	98
44) Trichloroethene	9.359	130	34108	16.986	ug/l	96
45) 1,2-Dichloropropane	9.624	63	36916	17.918	ug/l	97
46) Dibromomethane	9.712	93	24877	18.179	ug/l	98
47) Bromodichloromethane	9.888	83	49358	17.530	ug/l	97
48) Methyl methacrylate	9.682	41	42131	17.300	ug/l	95
49) 1,4-Dioxane	9.706	88	11706	264.216	ug/l #	97
51) 4-Methyl-2-Pentanone	10.447	43	292165	91.721	ug/l	94
52) Toluene	10.630	92	90266	17.442	ug/l	100
53) t-1,3-Dichloropropene	10.835	75	55782	17.718	ug/l	99
54) cis-1,3-Dichloropropene	10.312	75	58980	17.508	ug/l	92
55) 1,1,2-Trichloroethane	11.018	97	35545	17.850	ug/l	97
56) Ethyl methacrylate	10.882	69	51655	16.286	ug/l	94
57) 1,3-Dichloropropane	11.165	76	60753	17.587	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.159	63	162607	85.954	ug/l	97
59) 2-Hexanone	11.212	43	157527	76.775	ug/l	99
60) Dibromochloromethane	11.359	129	37063	17.864	ug/l	99
61) 1,2-Dibromoethane	11.471	107	35324	17.306	ug/l	100
64) Tetrachloroethene	11.100	164	26510	15.860	ug/l	98
65) Chlorobenzene	11.888	112	100334	17.224	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.959	131	32711	17.469	ug/l	99
67) Ethyl Benzene	11.959	91	165981	16.542	ug/l	98
68) m/p-Xylenes	12.071	106	127008	33.066	ug/l	98
69) o-Xylene	12.400	106	59633	16.210	ug/l	94
70) Styrene	12.412	104	105905	16.824	ug/l	99
71) Bromoform	12.576	173	25312	18.244	ug/l #	96
73) Isopropylbenzene	12.694	105	153326	15.438	ug/l	100
74) N-amyl acetate	12.547	43	60000m	17.288	ug/l	
75) 1,1,2,2-Tetrachloroethane	12.935	83	57845	17.192	ug/l	98
76) 1,2,3-Trichloropropane	12.994	75	62582m	19.311	ug/l	
77) Bromobenzene	12.976	156	37459	16.446	ug/l	97
78) n-propylbenzene	13.029	91	193446	16.027	ug/l	98
79) 2-Chlorotoluene	13.123	91	114785	15.858	ug/l	99
80) 1,3,5-Trimethylbenzene	13.171	105	125581	15.315	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.735	75	23133	16.432	ug/l	94
82) 4-Chlorotoluene	13.218	91	119357	16.296	ug/l	99
83) tert-Butylbenzene	13.435	119	108390	14.440	ug/l	96
84) 1,2,4-Trimethylbenzene	13.482	105	128097	15.578	ug/l	99
85) sec-Butylbenzene	13.612	105	160425	14.717	ug/l	100
86) p-Isopropyltoluene	13.729	119	140670	15.611	ug/l	98
87) 1,3-Dichlorobenzene	13.729	146	75945	16.947	ug/l	98
88) 1,4-Dichlorobenzene	13.812	146	76819	16.813	ug/l	98
89) n-Butylbenzene	14.053	91	123188	14.114	ug/l	99
90) Hexachloroethane	14.329	117	24311	15.917	ug/l	96
91) 1,2-Dichlorobenzene	14.106	146	71416	16.587	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	13738	17.073	ug/l	90
93) 1,2,4-Trichlorobenzene	15.388	180	40099	14.585	ug/l	98
94) Hexachlorobutadiene	15.500	225	13119	12.808	ug/l	96
95) Naphthalene	15.635	128	152078	14.861	ug/l	100
96) 1,2,3-Trichlorobenzene	15.835	180	36828	13.482	ug/l	99

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

