

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN070125\
 Data File : VN087252.D
 Acq On : 01 Jul 2025 11:15
 Operator : JC\MD
 Sample : VN0701WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0701WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 07/03/2025
 Supervised By : Mahesh Dadoda 07/03/2025

Quant Time: Jul 02 01:59:09 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N063025W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 01 03:15:00 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	197605	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	327296	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	305310	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	167986	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	123443	49.774	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	99.540%		
35) Dibromofluoromethane	8.171	113	104258	49.749	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	99.500%		
50) Toluene-d8	10.565	98	385721	47.220	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	94.440%		
62) 4-Bromofluorobenzene	12.847	95	141533	48.696	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	97.400%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.154	85	39317	20.445	ug/l	100
3) Chloromethane	2.395	50	31588	20.229	ug/l #	84
4) Vinyl Chloride	2.554	62	38393	19.998	ug/l	100
5) Bromomethane	3.001	94	32108	18.328	ug/l	93
6) Chloroethane	3.159	64	27875	18.331	ug/l	98
7) Trichlorofluoromethane	3.530	101	64995	19.510	ug/l	97
8) Diethyl Ether	3.983	74	22671	21.325	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.401	101	37164	19.215	ug/l	98
10) Methyl Iodide	4.618	142	34044	17.739	ug/l	99
11) Tert butyl alcohol	5.536	59	47221	104.474	ug/l	99
12) 1,1-Dichloroethene	4.371	96	35156	19.133	ug/l	97
13) Acrolein	4.201	56	34238	109.368	ug/l	95
14) Allyl chloride	5.048	41	42382	18.821	ug/l	99
15) Acrylonitrile	5.736	53	111910	99.453	ug/l	96
16) Acetone	4.448	43	96344	101.611	ug/l	100
17) Carbon Disulfide	4.736	76	102265	18.550	ug/l	99
18) Methyl Acetate	5.048	43	41785	19.250	ug/l	98
19) Methyl tert-butyl Ether	5.812	73	126191	19.596	ug/l	99
20) Methylene Chloride	5.300	84	41427	19.723	ug/l	93
21) trans-1,2-Dichloroethene	5.812	96	39923	17.981	ug/l	97
22) Diisopropyl ether	6.677	45	101840	18.889	ug/l	95
23) Vinyl Acetate	6.618	43	477809	95.825	ug/l	99
24) 1,1-Dichloroethane	6.577	63	66359	18.785	ug/l	94
25) 2-Butanone	7.494	43	143488	96.837	ug/l	93
26) 2,2-Dichloropropane	7.500	77	62289	18.427	ug/l	99
27) cis-1,2-Dichloroethene	7.500	96	47028	18.341	ug/l	97
28) Bromochloromethane	7.824	49	27265	17.486	ug/l	100
29) Tetrahydrofuran	7.847	42	92192	96.553	ug/l	99
30) Chloroform	7.977	83	75659	19.323	ug/l	95
31) Cyclohexane	8.265	56	59669	17.666	ug/l	95
32) 1,1,1-Trichloroethane	8.177	97	68477	18.779	ug/l	95
36) 1,1-Dichloropropene	8.377	75	51115	17.936	ug/l	99
37) Ethyl Acetate	7.571	43	60419	19.721	ug/l	99
38) Carbon Tetrachloride	8.371	117	60435	18.715	ug/l	94
39) Methylcyclohexane	9.606	83	59532	17.541	ug/l	97
40) Benzene	8.612	78	160020	18.124	ug/l	99

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 Quant Title : SW846 8260
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.789	41	27514	18.783	ug/l	97
42) 1,2-Dichloroethane	8.677	62	57054	19.431	ug/l	97
43) Isopropyl Acetate	8.694	43	89114	18.756	ug/l	98
44) Trichloroethene	9.353	130	43731	18.640	ug/l	99
45) 1,2-Dichloropropane	9.624	63	37184	19.316	ug/l	97
46) Dibromomethane	9.712	93	31844	19.445	ug/l	99
47) Bromodichloromethane	9.888	83	60636	19.413	ug/l	97
48) Methyl methacrylate	9.683	41	38233	19.093	ug/l	98
49) 1,4-Dioxane	9.706	88	17972	440.428	ug/l #	99
51) 4-Methyl-2-Pentanone	10.447	43	271451	93.380	ug/l	100
52) Toluene	10.630	92	105505	18.220	ug/l	98
53) t-1,3-Dichloropropene	10.835	75	62636	18.697	ug/l	100
54) cis-1,3-Dichloropropene	10.312	75	65868	19.298	ug/l	95
55) 1,1,2-Trichloroethane	11.018	97	42587	19.469	ug/l	96
56) Ethyl methacrylate	10.882	69	57145	17.831	ug/l	96
57) 1,3-Dichloropropane	11.165	76	67605	18.936	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.159	63	150385	88.789	ug/l	99
59) 2-Hexanone	11.206	43	156226	75.027	ug/l	97
60) Dibromochloromethane	11.359	129	50650	19.643	ug/l	98
61) 1,2-Dibromoethane	11.471	107	46342	19.695	ug/l	98
64) Tetrachloroethene	11.106	164	37124	18.237	ug/l	97
65) Chlorobenzene	11.888	112	125816	18.365	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.959	131	43624	18.442	ug/l	98
67) Ethyl Benzene	11.965	91	198876	17.940	ug/l	98
68) m/p-Xylenes	12.071	106	164355	37.109	ug/l	97
69) o-Xylene	12.400	106	75346	18.186	ug/l	100
70) Styrene	12.412	104	128606	18.265	ug/l	99
71) Bromoform	12.576	173	37709	20.663	ug/l #	97
73) Isopropylbenzene	12.694	105	193326	17.861	ug/l	100
74) N-amyl acetate	12.541	43	57456m	16.142	ug/l	
75) 1,1,2,2-Tetrachloroethane	12.935	83	66126	18.573	ug/l	100
76) 1,2,3-Trichloropropane	12.988	75	56426m	17.660	ug/l	
77) Bromobenzene	12.982	156	54218	19.189	ug/l	97
78) n-propylbenzene	13.035	91	232869	17.811	ug/l	100
79) 2-Chlorotoluene	13.123	91	136982	17.604	ug/l	96
80) 1,3,5-Trimethylbenzene	13.171	105	163806	18.105	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.735	75	24306	17.868	ug/l	97
82) 4-Chlorotoluene	13.218	91	143361	17.600	ug/l	100
83) tert-Butylbenzene	13.435	119	139769	17.633	ug/l	100
84) 1,2,4-Trimethylbenzene	13.482	105	166308	18.350	ug/l	98
85) sec-Butylbenzene	13.612	105	199186	17.728	ug/l	100
86) p-Isopropyltoluene	13.729	119	175312	18.152	ug/l	99
87) 1,3-Dichlorobenzene	13.729	146	101893	18.108	ug/l	99
88) 1,4-Dichlorobenzene	13.812	146	105884	18.022	ug/l	98
89) n-Butylbenzene	14.053	91	149918	17.631	ug/l	99
90) Hexachloroethane	14.329	117	32035	17.920	ug/l	99
91) 1,2-Dichlorobenzene	14.106	146	97259	18.482	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.717	75	15568	18.195	ug/l	96
93) 1,2,4-Trichlorobenzene	15.388	180	58021	18.644	ug/l	99
94) Hexachlorobutadiene	15.494	225	18272	18.484	ug/l	97
95) Naphthalene	15.635	128	197158	18.312	ug/l	99
96) 1,2,3-Trichlorobenzene	15.835	180	54671	18.032	ug/l	97

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

