

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062625\
 Data File : VN087196.D
 Acq On : 26 Jun 2025 15:31
 Operator : JC\MD
 Sample : VN0626WBS02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0626WBS02

Quant Time: Jun 27 01:27:28 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

Manual Integrations
 APPROVED

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

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	150958	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	274522	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	249168	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	129250	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	108958	53.909	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 107.820%			
35) Dibromofluoromethane	8.177	113	88514	54.407	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 108.820%			
50) Toluene-d8	10.565	98	316764	49.184	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 98.360%			
62) 4-Bromofluorobenzene	12.847	95	121603	50.820	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 101.640%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.154	85	30209	20.070	ug/l	95
3) Chloromethane	2.395	50	29935	15.402	ug/l	92
4) Vinyl Chloride	2.553	62	32048	15.984	ug/l	99
5) Bromomethane	3.001	94	16573	14.771	ug/l	95
6) Chloroethane	3.159	64	17868	13.797	ug/l	90
7) Trichlorofluoromethane	3.530	101	35123	13.408	ug/l	94
8) Diethyl Ether	3.983	74	12768	11.187	ug/l	95
9) 1,1,2-Trichlorotrifluo...	4.400	101	22939	13.938	ug/l	96
10) Methyl Iodide	4.612	142	13222	6.197	ug/l #	95
11) Tert butyl alcohol	5.536	59	31523	57.479	ug/l	98
12) 1,1-Dichloroethene	4.377	96	21127	12.574	ug/l	89
13) Acrolein	4.200	56	9960	57.375	ug/l	99
14) Allyl chloride	5.047	41	29117	10.449	ug/l #	81
15) Acrylonitrile	5.736	53	78293	61.078	ug/l	97
16) Acetone	4.447	43	62549	58.357	ug/l	96
17) Carbon Disulfide	4.742	76	56629	12.185	ug/l	99
18) Methyl Acetate	5.047	43	36585	11.713	ug/l	98
19) Methyl tert-butyl Ether	5.812	73	81998	13.478	ug/l	98
20) Methylene Chloride	5.300	84	26302	13.107	ug/l	94
21) trans-1,2-Dichloroethene	5.812	96	25221	13.492	ug/l	91
22) Diisopropyl ether	6.683	45	86703	14.761	ug/l	92
23) Vinyl Acetate	6.618	43	379436	76.458	ug/l	98
24) 1,1-Dichloroethane	6.589	63	51104	15.118	ug/l	98
25) 2-Butanone	7.494	43	165236	94.841	ug/l	98
26) 2,2-Dichloropropane	7.506	77	58884	22.394	ug/l	99
27) cis-1,2-Dichloroethene	7.494	96	43762	19.575	ug/l	97
28) Bromochloromethane	7.824	49	36972	22.246	ug/l	96
29) Tetrahydrofuran	7.853	42	112438	99.069	ug/l	97
30) Chloroform	7.977	83	70272	20.817	ug/l	96
31) Cyclohexane	8.265	56	60213	18.368	ug/l	96
32) 1,1,1-Trichloroethane	8.177	97	60659	21.127	ug/l	94
36) 1,1-Dichloropropene	8.377	75	48984	20.206	ug/l	99
37) Ethyl Acetate	7.571	43	67259	21.795	ug/l	95
38) Carbon Tetrachloride	8.371	117	48720	20.470	ug/l	95
39) Methylcyclohexane	9.600	83	55688	16.767	ug/l	97
40) Benzene	8.612	78	161260	20.342	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.788	41	34360	19.825	ug/l	95
42) 1,2-Dichloroethane	8.677	62	53628	22.304	ug/l	98
43) Isopropyl Acetate	8.694	43	100598	20.310	ug/l	98
44) Trichloroethene	9.359	130	36637	19.491	ug/l	99
45) 1,2-Dichloropropane	9.624	63	40544	21.023	ug/l	98
46) Dibromomethane	9.712	93	27326	21.332	ug/l	98
47) Bromodichloromethane	9.888	83	55860	21.194	ug/l	97
48) Methyl methacrylate	9.682	41	45036	19.755	ug/l	96
49) 1,4-Dioxane	9.700	88	13786	332.406	ug/l #	99
51) 4-Methyl-2-Pentanone	10.447	43	312659	104.855	ug/l	97
52) Toluene	10.629	92	97233	20.071	ug/l	99
53) t-1,3-Dichloropropene	10.835	75	59382	20.149	ug/l	99
54) cis-1,3-Dichloropropene	10.312	75	64437	20.434	ug/l	96
55) 1,1,2-Trichloroethane	11.018	97	38328	20.561	ug/l	95
56) Ethyl methacrylate	10.882	69	57905	19.503	ug/l	98
57) 1,3-Dichloropropane	11.165	76	66981	20.714	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.159	63	160523	90.645	ug/l	98
59) 2-Hexanone	11.212	43	180129	93.784	ug/l	96
60) Dibromochloromethane	11.359	129	39485	20.330	ug/l	97
61) 1,2-Dibromoethane	11.471	107	38783	20.298	ug/l	99
64) Tetrachloroethene	11.100	164	28818	18.275	ug/l	95
65) Chlorobenzene	11.888	112	108678	19.776	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.959	131	35614	20.161	ug/l	97
67) Ethyl Benzene	11.965	91	181373	19.161	ug/l	95
68) m/p-Xylenes	12.070	106	139349	38.457	ug/l	99
69) o-Xylene	12.394	106	65657	18.919	ug/l	99
70) Styrene	12.412	104	113721	19.150	ug/l	99
71) Bromoform	12.576	173	27079	20.689	ug/l #	97
73) Isopropylbenzene	12.694	105	170175	18.073	ug/l	99
74) N-amyl acetate	12.541	43	60050m	18.250	ug/l	
75) 1,1,2,2-Tetrachloroethane	12.935	83	63935	20.043	ug/l	99
76) 1,2,3-Trichloropropane	12.994	75	53397m	17.380	ug/l	
77) Bromobenzene	12.976	156	40801	18.895	ug/l	97
78) n-propylbenzene	13.035	91	210500	18.396	ug/l	99
79) 2-Chlorotoluene	13.123	91	123587	18.009	ug/l	98
80) 1,3,5-Trimethylbenzene	13.170	105	141237	18.168	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.735	75	23294	17.453	ug/l	95
82) 4-Chlorotoluene	13.223	91	130155	18.745	ug/l	100
83) tert-Butylbenzene	13.435	119	119492	16.792	ug/l	97
84) 1,2,4-Trimethylbenzene	13.482	105	139910	17.948	ug/l	100
85) sec-Butylbenzene	13.612	105	174520	16.888	ug/l	99
86) p-Isopropyltoluene	13.723	119	142797	16.716	ug/l	98
87) 1,3-Dichlorobenzene	13.729	146	80953	19.054	ug/l	99
88) 1,4-Dichlorobenzene	13.812	146	82991	19.160	ug/l	98
89) n-Butylbenzene	14.053	91	134628	16.270	ug/l	97
90) Hexachloroethane	14.329	117	26802	18.510	ug/l	97
91) 1,2-Dichlorobenzene	14.106	146	76972	18.857	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.717	75	14378	18.847	ug/l	90
93) 1,2,4-Trichlorobenzene	15.388	180	43140	16.551	ug/l	99
94) Hexachlorobutadiene	15.500	225	13643	14.049	ug/l	99
95) Naphthalene	15.641	128	157159	16.199	ug/l	100
96) 1,2,3-Trichlorobenzene	15.835	180	42036	16.232	ug/l	100

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

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