

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061325\
 Data File : VN087000.D
 Acq On : 13 Jun 2025 14:32
 Operator : JC\MD
 Sample : VN0613WBS01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0613WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 06/16/2025
 Supervised By : Mahesh Dadoda 06/16/2025

Quant Time: Jun 14 00:27:54 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	193820	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	342767	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	297937	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	150656	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	120719	46.519	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	93.040%		
35) Dibromofluoromethane	8.177	113	104273	51.333	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	102.660%		
50) Toluene-d8	10.571	98	390057	48.506	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	97.020%		
62) 4-Bromofluorobenzene	12.847	95	148021	49.545	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	99.080%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.153	85	41501	21.475	ug/l	97
3) Chloromethane	2.401	50	46368	18.581	ug/l	100
4) Vinyl Chloride	2.553	62	57688	22.410	ug/l	97
5) Bromomethane	3.000	94	26677	18.519	ug/l	99
6) Chloroethane	3.159	64	36269	21.812	ug/l	97
7) Trichlorofluoromethane	3.530	101	72691	21.613	ug/l	97
8) Diethyl Ether	3.983	74	30759	20.990	ug/l	96
9) 1,1,2-Trichlorotrifluo...	4.400	101	44545	21.081	ug/l	98
10) Methyl Iodide	4.618	142	23587	8.611	ug/l	98
11) Tert butyl alcohol	5.541	59	64325	91.353	ug/l	100
12) 1,1-Dichloroethene	4.365	96	47822	22.168	ug/l	89
13) Acrolein	4.200	56	35766	160.469	ug/l	100
14) Allyl chloride	5.047	41	68500	19.146	ug/l	97
15) Acrylonitrile	5.741	53	161726	98.265	ug/l	99
16) Acetone	4.447	43	119345	86.723	ug/l	94
17) Carbon Disulfide	4.742	76	139889	23.443	ug/l	99
18) Methyl Acetate	5.047	43	64994	16.206	ug/l	98
19) Methyl tert-butyl Ether	5.818	73	157327	20.142	ug/l	98
20) Methylene Chloride	5.294	84	52509	20.381	ug/l	96
21) trans-1,2-Dichloroethene	5.818	96	51262	21.358	ug/l	88
22) Diisopropyl ether	6.688	45	149851	19.870	ug/l	97
23) Vinyl Acetate	6.618	43	658350	103.323	ug/l	97
24) 1,1-Dichloroethane	6.588	63	89124	20.535	ug/l	98
25) 2-Butanone	7.494	43	204093	91.238	ug/l	96
26) 2,2-Dichloropropane	7.506	77	75997	22.511	ug/l	99
27) cis-1,2-Dichloroethene	7.500	96	61840	21.544	ug/l	96
28) Bromochloromethane	7.830	49	46335	21.714	ug/l	93
29) Tetrahydrofuran	7.853	42	136050	93.364	ug/l	95
30) Chloroform	7.977	83	88860	20.502	ug/l	99
31) Cyclohexane	8.265	56	83030	19.727	ug/l	97
32) 1,1,1-Trichloroethane	8.182	97	74968	20.337	ug/l	97
36) 1,1-Dichloropropene	8.382	75	66350	21.920	ug/l	100
37) Ethyl Acetate	7.571	43	76639	19.890	ug/l	98
38) Carbon Tetrachloride	8.371	117	63596	21.401	ug/l	98
39) Methylcyclohexane	9.606	83	79523	19.176	ug/l	96
40) Benzene	8.618	78	212565	21.476	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.788	41	42730	19.746	ug/l	96
42) 1,2-Dichloroethane	8.677	62	63301	21.085	ug/l	98
43) Isopropyl Acetate	8.694	43	119151	19.266	ug/l	97
44) Trichloroethene	9.359	130	51301	21.858	ug/l	95
45) 1,2-Dichloropropane	9.629	63	50395	20.928	ug/l	100
46) Dibromomethane	9.712	93	35265	22.048	ug/l	99
47) Bromodichloromethane	9.894	83	70308	21.365	ug/l	96
48) Methyl methacrylate	9.682	41	54185	19.036	ug/l	96
49) 1,4-Dioxane	9.706	88	21540	415.962	ug/l #	95
51) 4-Methyl-2-Pentanone	10.447	43	369197	99.165	ug/l	99
52) Toluene	10.629	92	131650	21.764	ug/l	99
53) t-1,3-Dichloropropene	10.841	75	77555	21.076	ug/l	100
54) cis-1,3-Dichloropropene	10.312	75	83996	21.333	ug/l	97
55) 1,1,2-Trichloroethane	11.018	97	49569	21.297	ug/l	98
56) Ethyl methacrylate	10.882	69	77585	20.928	ug/l	95
57) 1,3-Dichloropropane	11.165	76	85360	21.141	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.165	63	209528	94.760	ug/l	98
59) 2-Hexanone	11.206	43	215181	89.728	ug/l	93
60) Dibromochloromethane	11.359	129	53055	21.878	ug/l	99
61) 1,2-Dibromoethane	11.470	107	51474	21.576	ug/l	100
64) Tetrachloroethene	11.106	164	41009	21.749	ug/l	96
65) Chlorobenzene	11.894	112	142528	21.690	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.959	131	47110	22.303	ug/l	97
67) Ethyl Benzene	11.965	91	241208	21.311	ug/l	98
68) m/p-Xylenes	12.070	106	190243	43.908	ug/l	98
69) o-Xylene	12.400	106	91163	21.969	ug/l	96
70) Styrene	12.412	104	153392	21.602	ug/l	100
71) Bromoform	12.582	173	35468	22.662	ug/l #	99
73) Isopropylbenzene	12.694	105	223178	20.334	ug/l	100
74) N-amyl acetate	12.529	43	58468	15.245	ug/l #	91
75) 1,1,2,2-Tetrachloroethane	12.935	83	78224	21.038	ug/l	99
76) 1,2,3-Trichloropropane	12.994	75	67561m	18.866	ug/l	
77) Bromobenzene	12.982	156	54231	21.546	ug/l	96
78) n-propylbenzene	13.035	91	266686	19.994	ug/l	99
79) 2-Chlorotoluene	13.123	91	165392	20.677	ug/l	99
80) 1,3,5-Trimethylbenzene	13.170	105	183973	20.303	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.741	75	30824	19.814	ug/l	93
82) 4-Chlorotoluene	13.217	91	169312	20.919	ug/l	99
83) tert-Butylbenzene	13.435	119	161431	19.462	ug/l	99
84) 1,2,4-Trimethylbenzene	13.482	105	186915	20.570	ug/l	99
85) sec-Butylbenzene	13.612	105	228099	18.936	ug/l	100
86) p-Isopropyltoluene	13.729	119	188601	18.941	ug/l	100
87) 1,3-Dichlorobenzene	13.729	146	104746	21.151	ug/l	99
88) 1,4-Dichlorobenzene	13.812	146	107411	21.274	ug/l	99
89) n-Butylbenzene	14.053	91	173997	18.041	ug/l	99
90) Hexachloroethane	14.329	117	33086	19.603	ug/l	98
91) 1,2-Dichlorobenzene	14.106	146	98273	20.655	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	17506	19.687	ug/l	99
93) 1,2,4-Trichlorobenzene	15.388	180	57950	19.074	ug/l	98
94) Hexachlorobutadiene	15.500	225	17458	15.423	ug/l	97
95) Naphthalene	15.635	128	222787	19.701	ug/l	100
96) 1,2,3-Trichlorobenzene	15.841	180	55693	18.450	ug/l	99

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

