

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061125\
 Data File : VN086945.D
 Acq On : 11 Jun 2025 14:01
 Operator : JC\MD
 Sample : VN0611WBSD02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0611WBSD02

Manual Integrations
 APPROVED

Reviewed By : John Carlone 06/12/2025
 Supervised By : Semsettin Yesilyurt 06/12/2025

Quant Time: Jun 12 01:32:16 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	8.229	168	199904	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	354069	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	310598	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	151691	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	128166	47.886	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	95.780%		
35) Dibromofluoromethane	8.177	113	109657	52.260	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	104.520%		
50) Toluene-d8	10.571	98	411227	49.506	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	99.020%		
62) 4-Bromofluorobenzene	12.847	95	154682	50.121	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	100.240%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.153	85	38145	19.138	ug/l	96
3) Chloromethane	2.400	50	39948	15.521	ug/l	99
4) Vinyl Chloride	2.553	62	49695	18.717	ug/l	97
5) Bromomethane	3.000	94	24041	16.181	ug/l	95
6) Chloroethane	3.153	64	32368	18.874	ug/l	100
7) Trichlorofluoromethane	3.530	101	66071	19.047	ug/l	96
8) Diethyl Ether	3.977	74	29872	19.765	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.394	101	40831	18.735	ug/l	97
10) Methyl Iodide	4.612	142	36500	12.919	ug/l	100
11) Tert butyl alcohol	5.541	59	71180	98.012	ug/l	100
12) 1,1-Dichloroethene	4.365	96	42515	19.108	ug/l	92
13) Acrolein	4.200	56	22554	98.112	ug/l	100
14) Allyl chloride	5.053	41	65845	17.844	ug/l	98
15) Acrylonitrile	5.736	53	167429	98.634	ug/l	100
16) Acetone	4.447	43	131189	92.428	ug/l	97
17) Carbon Disulfide	4.736	76	105790	17.189	ug/l	98
18) Methyl Acetate	5.047	43	83025	20.072	ug/l	99
19) Methyl tert-butyl Ether	5.818	73	162549	20.177	ug/l	99
20) Methylene Chloride	5.300	84	50840	19.132	ug/l	96
21) trans-1,2-Dichloroethene	5.806	96	46018	18.589	ug/l	99
22) Diisopropyl ether	6.688	45	152785	19.643	ug/l	98
23) Vinyl Acetate	6.618	43	656574	99.908	ug/l	98
24) 1,1-Dichloroethane	6.588	63	86331	19.287	ug/l	99
25) 2-Butanone	7.494	43	218999	94.923	ug/l	99
26) 2,2-Dichloropropane	7.506	77	74316	21.343	ug/l	98
27) cis-1,2-Dichloroethene	7.500	96	57947	19.573	ug/l	97
28) Bromochloromethane	7.824	49	46411	21.088	ug/l	97
29) Tetrahydrofuran	7.853	42	145366	96.721	ug/l	98
30) Chloroform	7.977	83	86604	19.374	ug/l	100
31) Cyclohexane	8.265	56	74510	17.164	ug/l	98
32) 1,1,1-Trichloroethane	8.177	97	71441	18.790	ug/l	98
36) 1,1-Dichloropropene	8.382	75	60912	19.481	ug/l	99
37) Ethyl Acetate	7.571	43	80010	20.102	ug/l	99
38) Carbon Tetrachloride	8.371	117	59839	19.494	ug/l	96
39) Methylcyclohexane	9.606	83	71058	16.588	ug/l	97
40) Benzene	8.612	78	200940	19.653	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.788	41	46047	20.600	ug/l	98
42) 1,2-Dichloroethane	8.677	62	63066	20.336	ug/l	100
43) Isopropyl Acetate	8.694	43	127320	19.930	ug/l	99
44) Trichloroethene	9.359	130	48830	20.141	ug/l	97
45) 1,2-Dichloropropane	9.624	63	49815	20.027	ug/l	95
46) Dibromomethane	9.712	93	35176	21.290	ug/l	99
47) Bromodichloromethane	9.894	83	70222	20.658	ug/l	99
48) Methyl methacrylate	9.688	41	56099	19.079	ug/l	95
49) 1,4-Dioxane	9.700	88	24300	454.282	ug/l #	93
51) 4-Methyl-2-Pentanone	10.447	43	399735	103.940	ug/l	99
52) Toluene	10.629	92	124298	19.893	ug/l	100
53) t-1,3-Dichloropropene	10.841	75	78850	20.744	ug/l	100
54) cis-1,3-Dichloropropene	10.318	75	84225	20.709	ug/l	97
55) 1,1,2-Trichloroethane	11.018	97	50307	20.924	ug/l	97
56) Ethyl methacrylate	10.882	69	79449	20.747	ug/l	97
57) 1,3-Dichloropropane	11.165	76	85222	20.434	ug/l	98
58) 2-Chloroethyl Vinyl ether	10.165	63	241856	105.889	ug/l	99
59) 2-Hexanone	11.206	43	232463	93.840	ug/l	95
60) Dibromochloromethane	11.359	129	53154	21.220	ug/l	100
61) 1,2-Dibromoethane	11.470	107	51056	20.718	ug/l	99
64) Tetrachloroethene	11.106	164	36363	18.499	ug/l	98
65) Chlorobenzene	11.894	112	138224	20.178	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.965	131	45014	20.442	ug/l	99
67) Ethyl Benzene	11.965	91	227138	19.250	ug/l	100
68) m/p-Xylenes	12.070	106	178421	39.501	ug/l	98
69) o-Xylene	12.400	106	86537	20.004	ug/l	100
70) Styrene	12.412	104	152236	20.565	ug/l	98
71) Bromoform	12.582	173	36528	22.388	ug/l #	98
73) Isopropylbenzene	12.694	105	213019	19.276	ug/l	100
74) N-amyl acetate	12.529	43	69705	18.051	ug/l #	88
75) 1,1,2,2-Tetrachloroethane	12.935	83	81389	21.740	ug/l	100
76) 1,2,3-Trichloropropane	12.994	75	71147m	19.732	ug/l	
77) Bromobenzene	12.976	156	54030	21.319	ug/l	98
78) n-propylbenzene	13.035	91	257426	19.168	ug/l	99
79) 2-Chlorotoluene	13.123	91	157627	19.571	ug/l	99
80) 1,3,5-Trimethylbenzene	13.170	105	175428	19.228	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.735	75	29703	18.963	ug/l	95
82) 4-Chlorotoluene	13.223	91	162421	19.931	ug/l	100
83) tert-Butylbenzene	13.435	119	156588	18.749	ug/l	98
84) 1,2,4-Trimethylbenzene	13.482	105	177241	19.373	ug/l	99
85) sec-Butylbenzene	13.611	105	219639	18.109	ug/l	99
86) p-Isopropyltoluene	13.729	119	182853	18.238	ug/l	99
87) 1,3-Dichlorobenzene	13.729	146	102302	20.517	ug/l	100
88) 1,4-Dichlorobenzene	13.811	146	103614	20.382	ug/l	98
89) n-Butylbenzene	14.053	91	171576	17.668	ug/l	99
90) Hexachloroethane	14.329	117	31966	18.810	ug/l	100
91) 1,2-Dichlorobenzene	14.106	146	98864	20.638	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.723	75	18610	20.786	ug/l	99
93) 1,2,4-Trichlorobenzene	15.388	180	57083	18.660	ug/l	99
94) Hexachlorobutadiene	15.500	225	17672	15.506	ug/l	98
95) Naphthalene	15.635	128	230927	20.281	ug/l	99
96) 1,2,3-Trichlorobenzene	15.835	180	55026	18.105	ug/l	98

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

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