

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112425\
 Data File : VN088347.D
 Acq On : 24 Nov 2025 13:53
 Operator : JC\MD
 Sample : VSTDICCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 11/25/2025
 Supervised By : Mahesh Dadoda 11/26/2025

Quant Time: Nov 25 01:11:39 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112425W.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 25 01:08:44 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.206	168	254412	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	480905	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	425874	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	208615	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	254050	55.205	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 110.400%			
35) Dibromofluoromethane	8.153	113	168216	51.013	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.020%			
50) Toluene-d8	10.547	98	618062	49.180	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 98.360%			
62) 4-Bromofluorobenzene	12.823	95	215443	48.802	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 97.600%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.142	85	188518	60.616	ug/l	100
3) Chloromethane	2.383	50	203776	56.367	ug/l	100
4) Vinyl Chloride	2.536	62	206493	53.300	ug/l	100
5) Bromomethane	2.977	94	100800	44.679	ug/l	100
6) Chloroethane	3.142	64	128383	47.055	ug/l	100
7) Trichlorofluoromethane	3.512	101	277710	46.418	ug/l	100
8) Diethyl Ether	3.959	74	112943	49.408	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.365	101	143560	46.270	ug/l	100
10) Methyl Iodide	4.589	142	168409	56.580	ug/l	100
11) Tert butyl alcohol	5.512	59	205132	254.997	ug/l	100
12) 1,1-Dichloroethene	4.336	96	144499	43.959	ug/l	100
13) Acrolein	4.177	56	191880	218.057	ug/l	100
14) Allyl chloride	5.012	41	292223	49.615	ug/l	100
15) Acrylonitrile	5.706	53	593191	271.445	ug/l	100
16) Acetone	4.418	43	425884	191.549	ug/l	100
17) Carbon Disulfide	4.706	76	504570	49.738	ug/l	100
18) Methyl Acetate	5.018	43	266978	55.261	ug/l	100
19) Methyl tert-butyl Ether	5.783	73	637167	51.594	ug/l	100
20) Methylene Chloride	5.265	84	192304	49.396	ug/l	100
21) trans-1,2-Dichloroethene	5.771	96	174454	47.971	ug/l	100
22) Diisopropyl ether	6.659	45	656293	53.019	ug/l	100
23) Vinyl Acetate	6.588	43	2718764m	248.116	ug/l	
24) 1,1-Dichloroethane	6.559	63	362987	52.841	ug/l	100
25) 2-Butanone	7.465	43	757688	250.619	ug/l	100
26) 2,2-Dichloropropane	7.471	77	306308	49.612	ug/l	100
27) cis-1,2-Dichloroethene	7.471	96	210902	50.066	ug/l	100
28) Bromochloromethane	7.794	49	186871	58.241	ug/l	100
29) Tetrahydrofuran	7.824	42	545947	271.517	ug/l	100
30) Chloroform	7.947	83	354218	51.927	ug/l	100
31) Cyclohexane	8.235	56	288267	45.549	ug/l	100
32) 1,1,1-Trichloroethane	8.153	97	294555	48.942	ug/l	100
36) 1,1-Dichloropropene	8.353	75	236320	48.678	ug/l	100
37) Ethyl Acetate	7.547	43	346328	53.657	ug/l	100
38) Carbon Tetrachloride	8.347	117	240067	47.979	ug/l	100
39) Methylcyclohexane	9.582	83	253638	41.789	ug/l	100
40) Benzene	8.588	78	749637	50.260	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.759	41	171571	51.334	ug/l	100
42) 1,2-Dichloroethane	8.653	62	295993	54.896	ug/l	100
43) Isopropyl Acetate	8.671	43	536716	54.522	ug/l	100
44) Trichloroethene	9.329	130	171828	49.440	ug/l	100
45) 1,2-Dichloropropane	9.600	63	195340	51.585	ug/l	100
46) Dibromomethane	9.688	93	140875	52.056	ug/l	100
47) Bromodichloromethane	9.871	83	283447	52.293	ug/l	100
48) Methyl methacrylate	9.659	41	246767	54.300	ug/l	100
49) 1,4-Dioxane	9.676	88	63666	1111.677	ug/l #	100
51) 4-Methyl-2-Pentanone	10.423	43	1618000	277.304	ug/l	100
52) Toluene	10.606	92	439167	48.202	ug/l	100
53) t-1,3-Dichloropropene	10.812	75	303537	52.732	ug/l	100
54) cis-1,3-Dichloropropene	10.294	75	318360	52.127	ug/l	100
55) 1,1,2-Trichloroethane	10.994	97	169966	48.898	ug/l	100
56) Ethyl methacrylate	10.853	69	296224	53.440	ug/l	100
57) 1,3-Dichloropropane	11.141	76	309692	50.536	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.141	63	875006	295.946	ug/l	100
59) 2-Hexanone	11.176	43	1048582	273.278	ug/l	100
60) Dibromochloromethane	11.335	129	196756	49.794	ug/l	100
61) 1,2-Dibromoethane	11.447	107	177630	49.512	ug/l	100
64) Tetrachloroethene	11.082	164	160566	53.914	ug/l	100
65) Chlorobenzene	11.870	112	471088	47.564	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.941	131	162993	49.826	ug/l	100
67) Ethyl Benzene	11.941	91	825262	47.473	ug/l	100
68) m/p-Xylenes	12.047	106	624414	96.067	ug/l	100
69) o-Xylene	12.376	106	296307	48.105	ug/l	100
70) Styrene	12.388	104	508032	50.349	ug/l	100
71) Bromoform	12.559	173	121394	49.795	ug/l #	100
73) Isopropylbenzene	12.670	105	756073	46.091	ug/l	100
74) N-amyl acetate	12.500	43	218031	46.667	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.917	83	235147	45.856	ug/l	100
76) 1,2,3-Trichloropropane	12.970	75	250728m	50.561	ug/l	
77) Bromobenzene	12.959	156	179949	50.105	ug/l	100
78) n-propylbenzene	13.012	91	926041	46.319	ug/l	100
79) 2-Chlorotoluene	13.100	91	563004	48.901	ug/l	100
80) 1,3,5-Trimethylbenzene	13.153	105	636506	46.704	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.717	75	89717	49.717	ug/l #	100
82) 4-Chlorotoluene	13.200	91	595484	47.756	ug/l	100
83) tert-Butylbenzene	13.412	119	523419	43.467	ug/l	100
84) 1,2,4-Trimethylbenzene	13.459	105	649135	47.534	ug/l	100
85) sec-Butylbenzene	13.594	105	752927	42.729	ug/l	100
86) p-Isopropyltoluene	13.706	119	635661	44.782	ug/l	100
87) 1,3-Dichlorobenzene	13.711	146	334974	47.290	ug/l	100
88) 1,4-Dichlorobenzene	13.788	146	350784	45.940	ug/l	100
89) n-Butylbenzene	14.035	91	599399	42.911	ug/l	100
90) Hexachloroethane	14.306	117	111560	40.952	ug/l	100
91) 1,2-Dichlorobenzene	14.082	146	317314	46.414	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.694	75	60137	49.387	ug/l	100
93) 1,2,4-Trichlorobenzene	15.364	180	185506	45.066	ug/l	100
94) Hexachlorobutadiene	15.470	225	61955	41.064	ug/l	100
95) Naphthalene	15.611	128	686671	48.217	ug/l	100
96) 1,2,3-Trichlorobenzene	15.811	180	182475	45.925	ug/l	100

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

