

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102325\
 Data File : VN088079.D
 Acq On : 23 Oct 2025 10:38
 Operator : JC\MD
 Sample : VSTDICC005
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC005

Quant Time: Oct 24 02:51:36 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 24 02:50:29 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 10/24/2025
 Supervised By : Mahesh Dadoda 10/27/2025

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

Internal Standards						
1) Pentafluorobenzene	8.206	168	296128	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	570271	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	502295	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	241248	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	27065	5.285	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	10.580%#		
35) Dibromofluoromethane	8.147	113	19551	5.103	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	10.200%#		
50) Toluene-d8	10.547	98	73162	4.956	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	9.920%#		
62) 4-Bromofluorobenzene	12.835	95	24787	4.755	ug/l	0.01
Spiked Amount 50.000	Range 77 - 121		Recovery =	9.500%#		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.142	85	19109	5.721	ug/l	91
3) Chloromethane	2.383	50	20946	5.330	ug/l	100
4) Vinyl Chloride	2.536	62	23220	5.423	ug/l	96
5) Bromomethane	2.971	94	15617	6.098	ug/l #	80
6) Chloroethane	3.142	64	17800	5.770	ug/l #	84
7) Trichlorofluoromethane	3.506	101	39012	5.713	ug/l	98
8) Diethyl Ether	3.959	74	14837	5.846	ug/l	91
9) 1,1,2-Trichlorotrifluo...	4.377	101	18719	5.312	ug/l	94
10) Methyl Iodide	4.589	142	12726	7.564	ug/l	91
11) Tert butyl alcohol	5.524	59	24255	27.494	ug/l #	89
12) 1,1-Dichloroethene	4.342	96	20326	5.461	ug/l	88
13) Acrolein	4.171	56	29003	29.228	ug/l	93
14) Allyl chloride	5.012	41	34031	5.232	ug/l	99
15) Acrylonitrile	5.706	53	62612	26.056	ug/l	98
16) Acetone	4.430	43	65332	25.396	ug/l	99
17) Carbon Disulfide	4.706	76	60437	5.342	ug/l	97
18) Methyl Acetate	5.024	43	26935	5.114	ug/l	99
19) Methyl tert-butyl Ether	5.789	73	73958	5.411	ug/l	97
20) Methylene Chloride	5.265	84	22926	6.410	ug/l	97
21) trans-1,2-Dichloroethene	5.783	96	21204	5.152	ug/l	86
22) Diisopropyl ether	6.665	45	72852	5.310	ug/l	100
23) Vinyl Acetate	6.588	43	331195	26.799	ug/l	100
24) 1,1-Dichloroethane	6.547	63	42391	5.578	ug/l	96
25) 2-Butanone	7.477	43	91150	27.166	ug/l	95
26) 2,2-Dichloropropane	7.477	77	36306	5.257	ug/l	97
27) cis-1,2-Dichloroethene	7.471	96	26415	5.616	ug/l	96
28) Bromochloromethane	7.794	49	19805	5.515	ug/l	96
29) Tetrahydrofuran	7.824	42	56989	25.793	ug/l	99
30) Chloroform	7.947	83	42443	5.590	ug/l	97
31) Cyclohexane	8.241	56	44056	6.146	ug/l	95
32) 1,1,1-Trichloroethane	8.147	97	36411	5.384	ug/l #	85
36) 1,1-Dichloropropene	8.353	75	29318	5.241	ug/l	96
37) Ethyl Acetate	7.547	43	37387	5.201	ug/l #	94
38) Carbon Tetrachloride	8.347	117	29915	5.178	ug/l	93
39) Methylcyclohexane	9.582	83	37009	5.147	ug/l	96
40) Benzene	8.588	78	89925	5.279	ug/l	98

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 Quant Title : SW846 8260
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.771	41	19516	5.137	ug/l	93
42) 1,2-Dichloroethane	8.653	62	32612	5.388	ug/l	99
43) Isopropyl Acetate	8.671	43	57498	5.184	ug/l	97
44) Trichloroethene	9.335	130	21346	5.361	ug/l	86
45) 1,2-Dichloropropane	9.594	63	23273	5.411	ug/l	95
46) Dibromomethane	9.682	93	17012	5.546	ug/l	95
47) Bromodichloromethane	9.865	83	32518	5.295	ug/l	91
48) Methyl methacrylate	9.665	41	24475	4.645	ug/l	92
49) 1,4-Dioxane	9.688	88	6763	106.179	ug/l #	95
51) 4-Methyl-2-Pentanone	10.424	43	170979	26.055	ug/l	98
52) Toluene	10.606	92	54632	5.201	ug/l	98
53) t-1,3-Dichloropropene	10.818	75	32833	5.023	ug/l	96
54) cis-1,3-Dichloropropene	10.288	75	35495	5.118	ug/l	94
55) 1,1,2-Trichloroethane	10.994	97	19869	4.986	ug/l	92
56) Ethyl methacrylate	10.859	69	29566	4.695	ug/l	97
57) 1,3-Dichloropropane	11.141	76	36892	5.267	ug/l	97
58) 2-Chloroethyl Vinyl ether	10.141	63	78095	23.808	ug/l	99
59) 2-Hexanone	11.182	43	94577	21.954	ug/l	97
60) Dibromochloromethane	11.335	129	22347	4.934	ug/l	99
61) 1,2-Dibromoethane	11.447	107	20284	4.946	ug/l	96
64) Tetrachloroethene	11.082	164	17289	5.218	ug/l	88
65) Chlorobenzene	11.870	112	60700	5.322	ug/l	90
66) 1,1,1,2-Tetrachloroethane	11.941	131	19321	5.171	ug/l	95
67) Ethyl Benzene	11.941	91	103756	5.183	ug/l	98
68) m/p-Xylenes	12.047	106	77736	10.363	ug/l	92
69) o-Xylene	12.382	106	37251	5.239	ug/l	98
70) Styrene	12.394	104	60467	5.215	ug/l	98
71) Bromoform	12.559	173	13744	4.929	ug/l #	92
73) Isopropylbenzene	12.676	105	93056	5.001	ug/l	100
74) N-amyl acetate	12.865	43	22461m	4.171	ug/l	
75) 1,1,2,2-Tetrachloroethane	12.917	83	30348	5.239	ug/l	98
76) 1,2,3-Trichloropropane	12.976	75	32601m	6.313	ug/l	
77) Bromobenzene	12.959	156	20721	5.164	ug/l	82
78) n-propylbenzene	13.012	91	117114	5.158	ug/l	98
79) 2-Chlorotoluene	13.106	91	68350	5.278	ug/l	98
80) 1,3,5-Trimethylbenzene	13.153	105	78511	5.081	ug/l	95
81) trans-1,4-Dichloro-2-b...	12.723	75	10183m	5.137	ug/l	
82) 4-Chlorotoluene	13.200	91	72836	5.199	ug/l	100
83) tert-Butylbenzene	13.417	119	69371	5.025	ug/l	97
84) 1,2,4-Trimethylbenzene	13.459	105	80008	5.175	ug/l	100
85) sec-Butylbenzene	13.594	105	103097	5.083	ug/l	98
86) p-Isopropyltoluene	13.706	119	85421	5.250	ug/l	99
87) 1,3-Dichlorobenzene	13.712	146	40364	5.039	ug/l	96
88) 1,4-Dichlorobenzene	13.788	146	47112	5.462	ug/l	95
89) n-Butylbenzene	14.035	91	82932	5.146	ug/l	99
90) Hexachloroethane	14.312	117	16391	5.202	ug/l	99
91) 1,2-Dichlorobenzene	14.082	146	39857	5.162	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.694	75	6964	5.165	ug/l	92
93) 1,2,4-Trichlorobenzene	15.370	180	23547	5.036	ug/l	99
94) Hexachlorobutadiene	15.476	225	9028	5.185	ug/l	97
95) Naphthalene	15.617	128	75031	4.684	ug/l	99
96) 1,2,3-Trichlorobenzene	15.817	180	21577	4.812	ug/l	94

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

