

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092325\
 Data File : VN087930.D
 Acq On : 23 Sep 2025 11:47
 Operator : JC\MD
 Sample : VSTDICC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC020

Quant Time: Sep 24 04:50:35 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092325W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 24 04:45:42 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 09/24/2025
 Supervised By : Mahesh Dadoda 09/26/2025

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

Internal Standards						
1) Pentafluorobenzene	8.212	168	245129	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	451275	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	417832	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	219754	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	69157	16.764	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	33.520%#		
35) Dibromofluoromethane	8.147	113	55145	16.830	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	33.660%#		
50) Toluene-d8	10.547	98	185268	16.079	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	32.160%#		
62) 4-Bromofluorobenzene	12.829	95	66245	16.084	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	32.160%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.142	85	64880	22.855	ug/l	100
3) Chloromethane	2.383	50	65904	22.673	ug/l	95
4) Vinyl Chloride	2.542	62	67280	22.688	ug/l	97
5) Bromomethane	2.977	94	41366	22.501	ug/l	98
6) Chloroethane	3.136	64	41658	21.605	ug/l	90
7) Trichlorofluoromethane	3.512	101	104725	21.690	ug/l	99
8) Diethyl Ether	3.953	74	41074	22.518	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.365	101	55225	21.641	ug/l	97
10) Methyl Iodide	4.583	142	46507	20.249	ug/l	99
11) Tert butyl alcohol	5.524	59	68350	115.030	ug/l #	87
12) 1,1-Dichloroethene	4.336	96	56732	22.033	ug/l	83
13) Acrolein	4.177	56	72676	95.324	ug/l	98
14) Allyl chloride	5.018	41	92277	22.013	ug/l	95
15) Acrylonitrile	5.718	53	210865	113.135	ug/l	98
16) Acetone	4.424	43	204534	119.766	ug/l	99
17) Carbon Disulfide	4.706	76	182548	22.691	ug/l	100
18) Methyl Acetate	5.018	43	97764	23.015	ug/l	100
19) Methyl tert-butyl Ether	5.789	73	219348	21.807	ug/l	97
20) Methylene Chloride	5.265	84	74638	21.725	ug/l	92
21) trans-1,2-Dichloroethene	5.777	96	68186	21.601	ug/l	89
22) Diisopropyl ether	6.659	45	211107	21.573	ug/l	97
23) Vinyl Acetate	6.588	43	923787m	112.117	ug/l	
24) 1,1-Dichloroethane	6.553	63	124326	21.746	ug/l	98
25) 2-Butanone	7.471	43	295055	113.731	ug/l	97
26) 2,2-Dichloropropane	7.477	77	115250	22.689	ug/l	99
27) cis-1,2-Dichloroethene	7.471	96	81272	21.639	ug/l	98
28) Bromochloromethane	7.794	49	65753	21.168	ug/l	100
29) Tetrahydrofuran	7.830	42	185940	111.932	ug/l	99
30) Chloroform	7.953	83	139611	22.333	ug/l	100
31) Cyclohexane	8.241	56	99972	21.611	ug/l	96
32) 1,1,1-Trichloroethane	8.153	97	117408	22.227	ug/l	97
36) 1,1-Dichloropropene	8.353	75	85120	21.605	ug/l	97
37) Ethyl Acetate	7.553	43	109187	21.105	ug/l	97
38) Carbon Tetrachloride	8.341	117	98457	21.778	ug/l	94
39) Methylcyclohexane	9.582	83	94068	21.644	ug/l	98
40) Benzene	8.588	78	283203	21.710	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.765	41	56639	21.184	ug/l	94
42) 1,2-Dichloroethane	8.653	62	109893	22.574	ug/l	100
43) Isopropyl Acetate	8.677	43	176251	21.643	ug/l	99
44) Trichloroethene	9.335	130	67433	21.641	ug/l	99
45) 1,2-Dichloropropane	9.600	63	72572	22.186	ug/l	93
46) Dibromomethane	9.688	93	59412	23.018	ug/l	93
47) Bromodichloromethane	9.871	83	111245	21.974	ug/l	95
48) Methyl methacrylate	9.665	41	80574	21.365	ug/l	97
49) 1,4-Dioxane	9.682	88	24869	446.378	ug/l #	83
51) 4-Methyl-2-Pentanone	10.424	43	561876	110.571	ug/l	99
52) Toluene	10.606	92	177153	21.641	ug/l	99
53) t-1,3-Dichloropropene	10.818	75	111386	21.498	ug/l	97
54) cis-1,3-Dichloropropene	10.294	75	117557	21.845	ug/l	97
55) 1,1,2-Trichloroethane	10.994	97	74595	22.411	ug/l	88
56) Ethyl methacrylate	10.853	69	101192	21.040	ug/l	99
57) 1,3-Dichloropropane	11.141	76	120334	21.980	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.141	63	250611	110.825	ug/l	99
59) 2-Hexanone	11.176	43	363080	108.058	ug/l	99
60) Dibromochloromethane	11.341	129	85111	21.748	ug/l	97
61) 1,2-Dibromoethane	11.447	107	78541	22.290	ug/l	97
64) Tetrachloroethene	11.082	164	57619	22.638	ug/l	93
65) Chlorobenzene	11.871	112	203570	22.894	ug/l	93
66) 1,1,1,2-Tetrachloroethane	11.941	131	70713	22.053	ug/l	97
67) Ethyl Benzene	11.941	91	328980	22.173	ug/l	96
68) m/p-Xylenes	12.047	106	255651	45.053	ug/l	98
69) o-Xylene	12.376	106	120068	22.024	ug/l	98
70) Styrene	12.388	104	210587	22.491	ug/l	98
71) Bromoform	12.559	173	57576	22.132	ug/l #	100
73) Isopropylbenzene	12.676	105	309264	22.707	ug/l	98
74) N-amyl acetate	12.547	43	89886m	22.156	ug/l	
75) 1,1,2,2-Tetrachloroethane	12.918	83	111546	22.731	ug/l	100
76) 1,2,3-Trichloropropane	12.970	75	103062m	23.643	ug/l	
77) Bromobenzene	12.959	156	80748	22.283	ug/l	97
78) n-propylbenzene	13.012	91	381954	22.431	ug/l	100
79) 2-Chlorotoluene	13.100	91	231705	22.347	ug/l	97
80) 1,3,5-Trimethylbenzene	13.153	105	269309	22.860	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.718	75	33450	21.443	ug/l	97
82) 4-Chlorotoluene	13.200	91	241534	23.119	ug/l	100
83) tert-Butylbenzene	13.417	119	226878	22.753	ug/l	96
84) 1,2,4-Trimethylbenzene	13.459	105	272614	22.561	ug/l	99
85) sec-Butylbenzene	13.594	105	328389	22.462	ug/l	97
86) p-Isopropyltoluene	13.706	119	279181	22.547	ug/l	97
87) 1,3-Dichlorobenzene	13.712	146	158040	22.349	ug/l	99
88) 1,4-Dichlorobenzene	13.788	146	165954	22.835	ug/l	99
89) n-Butylbenzene	14.035	91	263875	22.550	ug/l	98
90) Hexachloroethane	14.312	117	58428	22.590	ug/l	96
91) 1,2-Dichlorobenzene	14.082	146	156108	22.902	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.700	75	25095	22.009	ug/l	98
93) 1,2,4-Trichlorobenzene	15.364	180	87148	21.654	ug/l	96
94) Hexachlorobutadiene	15.476	225	33457	22.586	ug/l	99
95) Naphthalene	15.611	128	284895	22.053	ug/l	99
96) 1,2,3-Trichlorobenzene	15.811	180	89684	22.922	ug/l	99

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

