

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112425\
 Data File : VN088346.D
 Acq On : 24 Nov 2025 13:32
 Operator : JC\MD
 Sample : VSTDICC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC020

Manual Integrations
 APPROVED

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

Quant Time: Nov 25 01:10:54 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	289343	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	521967	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	446626	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	210470	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.565	65	106028	20.258	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	40.520%#		
35) Dibromofluoromethane	8.147	113	73055	20.412	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	40.820%#		
50) Toluene-d8	10.547	98	269703	19.772	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	39.540%#		
62) 4-Bromofluorobenzene	12.823	95	86319	18.015	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	36.020%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.142	85	92076	26.032	ug/l	100
3) Chloromethane	2.383	50	93182	22.664	ug/l	98
4) Vinyl Chloride	2.542	62	99078	22.487	ug/l	96
5) Bromomethane	2.983	94	45414	17.699	ug/l	100
6) Chloroethane	3.142	64	57451	18.515	ug/l	96
7) Trichlorofluoromethane	3.518	101	135233	19.875	ug/l	92
8) Diethyl Ether	3.965	74	45755	17.600	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.377	101	73956	20.959	ug/l	98
10) Methyl Iodide	4.583	142	67559	19.958	ug/l	92
11) Tert butyl alcohol	5.518	59	86464	94.506	ug/l	98
12) 1,1-Dichloroethene	4.341	96	69587	18.614	ug/l	85
13) Acrolein	4.177	56	76430	76.371	ug/l	97
14) Allyl chloride	5.012	41	129326	19.307	ug/l	97
15) Acrylonitrile	5.712	53	250269	100.698	ug/l	99
16) Acetone	4.424	43	186448	73.735	ug/l	96
17) Carbon Disulfide	4.706	76	236468	20.496	ug/l	96
18) Methyl Acetate	5.018	43	110778	20.161	ug/l	100
19) Methyl tert-butyl Ether	5.788	73	259864	18.502	ug/l	94
20) Methylene Chloride	5.265	84	81446	18.395	ug/l	97
21) trans-1,2-Dichloroethene	5.777	96	78223	18.913	ug/l	98
22) Diisopropyl ether	6.659	45	282262	20.050	ug/l	96
23) Vinyl Acetate	6.588	43	1155611m	92.730	ug/l	
24) 1,1-Dichloroethane	6.553	63	156012	19.969	ug/l	100
25) 2-Butanone	7.471	43	316859	92.154	ug/l	99
26) 2,2-Dichloropropane	7.471	77	137140	19.531	ug/l	99
27) cis-1,2-Dichloroethene	7.471	96	91877	19.178	ug/l	97
28) Bromochloromethane	7.794	49	79117	21.681	ug/l	100
29) Tetrahydrofuran	7.829	42	228189	99.785	ug/l	99
30) Chloroform	7.953	83	156345	20.153	ug/l	99
31) Cyclohexane	8.235	56	146307	20.327	ug/l	98
32) 1,1,1-Trichloroethane	8.153	97	137952	20.154	ug/l	98
36) 1,1-Dichloropropene	8.353	75	110824	21.032	ug/l	98
37) Ethyl Acetate	7.547	43	151153	21.576	ug/l	99
38) Carbon Tetrachloride	8.347	117	114374	21.060	ug/l	95
39) Methylcyclohexane	9.582	83	126502	19.203	ug/l	96
40) Benzene	8.588	78	335961	20.753	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.759	41	73287	20.203	ug/l	96
42) 1,2-Dichloroethane	8.653	62	124453	21.266	ug/l	98
43) Isopropyl Acetate	8.671	43	221861	20.765	ug/l	98
44) Trichloroethene	9.329	130	79876	21.175	ug/l	91
45) 1,2-Dichloropropane	9.600	63	83979	20.433	ug/l #	87
46) Dibromomethane	9.688	93	60253	20.513	ug/l	98
47) Bromodichloromethane	9.865	83	122415	20.808	ug/l	93
48) Methyl methacrylate	9.659	41	102560	20.792	ug/l	97
49) 1,4-Dioxane	9.676	88	28593	459.989	ug/l #	98
51) 4-Methyl-2-Pentanone	10.423	43	689576	108.887	ug/l	99
52) Toluene	10.612	92	196223	19.843	ug/l	99
53) t-1,3-Dichloropropene	10.818	75	124926	19.996	ug/l	99
54) cis-1,3-Dichloropropene	10.288	75	131162	19.787	ug/l	98
55) 1,1,2-Trichloroethane	10.994	97	75992	20.142	ug/l	96
56) Ethyl methacrylate	10.853	69	116597	19.380	ug/l	97
57) 1,3-Dichloropropane	11.141	76	135028	20.301	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.141	63	347449	108.270	ug/l	98
59) 2-Hexanone	11.176	43	424244	101.867	ug/l	98
60) Dibromochloromethane	11.335	129	84716	19.753	ug/l	99
61) 1,2-Dibromoethane	11.447	107	76002	19.518	ug/l	99
64) Tetrachloroethene	11.076	164	73746	23.611	ug/l	96
65) Chlorobenzene	11.870	112	207406	19.968	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.935	131	70330	20.500	ug/l	98
67) Ethyl Benzene	11.941	91	359781	19.735	ug/l	96
68) m/p-Xylenes	12.047	106	274942	40.335	ug/l	99
69) o-Xylene	12.376	106	128919	19.957	ug/l	96
70) Styrene	12.388	104	207850	19.642	ug/l	99
71) Bromoform	12.559	173	50951	19.929	ug/l #	98
73) Isopropylbenzene	12.670	105	332053	20.064	ug/l	100
74) N-amyl acetate	12.682	43	98732m	20.946	ug/l	
75) 1,1,2,2-Tetrachloroethane	12.917	83	103664	20.037	ug/l	97
76) 1,2,3-Trichloropropane	12.970	75	106718m	21.331	ug/l	
77) Bromobenzene	12.959	156	72921	20.125	ug/l	98
78) n-propylbenzene	13.011	91	414648	20.557	ug/l	99
79) 2-Chlorotoluene	13.100	91	240017	20.663	ug/l	100
80) 1,3,5-Trimethylbenzene	13.147	105	279116	20.300	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.717	75	30676	16.850	ug/l #	72
82) 4-Chlorotoluene	13.200	91	247131	19.645	ug/l	97
83) tert-Butylbenzene	13.417	119	233493	19.219	ug/l	99
84) 1,2,4-Trimethylbenzene	13.459	105	278702	20.229	ug/l	98
85) sec-Butylbenzene	13.594	105	334307	18.805	ug/l	99
86) p-Isopropyltoluene	13.706	119	280364	19.577	ug/l	99
87) 1,3-Dichlorobenzene	13.711	146	144838	20.267	ug/l	98
88) 1,4-Dichlorobenzene	13.788	146	150329	19.514	ug/l	99
89) n-Butylbenzene	14.035	91	265582	18.845	ug/l	99
90) Hexachloroethane	14.311	117	48067	17.489	ug/l	97
91) 1,2-Dichlorobenzene	14.088	146	133291	19.325	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.694	75	23868	19.429	ug/l	99
93) 1,2,4-Trichlorobenzene	15.370	180	75854	18.265	ug/l	95
94) Hexachlorobutadiene	15.470	225	29359	19.288	ug/l	98
95) Naphthalene	15.611	128	266281	18.533	ug/l	99
96) 1,2,3-Trichlorobenzene	15.817	180	74795	18.658	ug/l	98

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

