

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102325\
 Data File : VN088080.D
 Acq On : 23 Oct 2025 10:59
 Operator : JC\MD
 Sample : VSTDICC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC020

Quant Time: Oct 24 02:52:36 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	282090	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.083	114	546178	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	485620	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.771	152	241242	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	103292	21.175	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	42.360%#		
35) Dibromofluoromethane	8.147	113	75221	20.500	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	41.000%#		
50) Toluene-d8	10.547	98	283564	20.057	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	40.120%#		
62) 4-Bromofluorobenzene	12.829	95	99923	20.012	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	40.020%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.142	85	67069	21.078	ug/l	97
3) Chloromethane	2.383	50	81817	21.856	ug/l	96
4) Vinyl Chloride	2.536	62	88776	21.765	ug/l	98
5) Bromomethane	2.983	94	54697	22.420	ug/l	99
6) Chloroethane	3.136	64	62949	21.421	ug/l	93
7) Trichlorofluoromethane	3.512	101	140569	21.608	ug/l	95
8) Diethyl Ether	3.971	74	51299	21.217	ug/l	92
9) 1,1,2-Trichlorotrifluo...	4.365	101	69023	20.561	ug/l	98
10) Methyl Iodide	4.583	142	62029	21.370	ug/l	97
11) Tert butyl alcohol	5.524	59	95809	114.009	ug/l	97
12) 1,1-Dichloroethene	4.342	96	71244	20.094	ug/l	97
13) Acrolein	4.183	56	97190	102.818	ug/l	99
14) Allyl chloride	5.012	41	124762	20.136	ug/l	98
15) Acrylonitrile	5.706	53	254966	111.383	ug/l	98
16) Acetone	4.424	43	248513	101.409	ug/l	96
17) Carbon Disulfide	4.706	76	223844	20.769	ug/l	99
18) Methyl Acetate	5.018	43	110595	22.044	ug/l	98
19) Methyl tert-butyl Ether	5.789	73	281317	21.605	ug/l	94
20) Methylene Chloride	5.265	84	87400	23.333	ug/l	97
21) trans-1,2-Dichloroethene	5.771	96	80726	20.591	ug/l	95
22) Diisopropyl ether	6.653	45	298356	22.828	ug/l	96
23) Vinyl Acetate	6.589	43	1346497	114.374	ug/l	100
24) 1,1-Dichloroethane	6.559	63	159981	22.098	ug/l	97
25) 2-Butanone	7.471	43	360240	112.706	ug/l	96
26) 2,2-Dichloropropane	7.471	77	139276	21.169	ug/l	99
27) cis-1,2-Dichloroethene	7.471	96	97968	21.866	ug/l	100
28) Bromochloromethane	7.800	49	61975	18.117	ug/l	99
29) Tetrahydrofuran	7.824	42	237998	113.080	ug/l	99
30) Chloroform	7.947	83	158515	21.917	ug/l	99
31) Cyclohexane	8.236	56	146770	21.495	ug/l	96
32) 1,1,1-Trichloroethane	8.153	97	140074	21.745	ug/l	92
36) 1,1-Dichloropropene	8.353	75	115884	21.630	ug/l	99
37) Ethyl Acetate	7.547	43	147787	21.466	ug/l	99
38) Carbon Tetrachloride	8.341	117	117435	21.223	ug/l	90
39) Methylcyclohexane	9.583	83	138414	20.099	ug/l	96
40) Benzene	8.588	78	351627	21.551	ug/l	97

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41) Methacrylonitrile	7.765	41	77407	21.272	ug/l	100
42) 1,2-Dichloroethane	8.653	62	128925	22.239	ug/l	99
43) Isopropyl Acetate	8.677	43	232810	21.914	ug/l	97
44) Trichloroethene	9.330	130	81811	21.452	ug/l	88
45) 1,2-Dichloropropane	9.600	63	86639	21.033	ug/l	97
46) Dibromomethane	9.688	93	64404	21.923	ug/l	99
47) Bromodichloromethane	9.871	83	128781	21.895	ug/l	95
48) Methyl methacrylate	9.659	41	106892	21.182	ug/l	97
49) 1,4-Dioxane	9.677	88	28059	459.958	ug/l #	94
51) 4-Methyl-2-Pentanone	10.424	43	706841	112.466	ug/l	99
52) Toluene	10.606	92	216580	21.530	ug/l	97
53) t-1,3-Dichloropropene	10.818	75	135097	21.581	ug/l	94
54) cis-1,3-Dichloropropene	10.294	75	142472	21.447	ug/l	98
55) 1,1,2-Trichloroethane	10.994	97	81773	21.426	ug/l	97
56) Ethyl methacrylate	10.859	69	129419	21.460	ug/l	99
57) 1,3-Dichloropropane	11.141	76	147164	21.938	ug/l	98
58) 2-Chloroethyl Vinyl ether	10.141	63	326199	103.833	ug/l	99
59) 2-Hexanone	11.177	43	456992	110.762	ug/l	96
60) Dibromochloromethane	11.335	129	94659	21.821	ug/l	97
61) 1,2-Dibromoethane	11.447	107	83824	21.341	ug/l	97
64) Tetrachloroethene	11.082	164	65019	20.298	ug/l	94
65) Chlorobenzene	11.871	112	233976	21.219	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.941	131	76803	21.259	ug/l	97
67) Ethyl Benzene	11.941	91	412481	21.311	ug/l	98
68) m/p-Xylenes	12.047	106	312179	43.046	ug/l	98
69) o-Xylene	12.376	106	148393	21.585	ug/l	99
70) Styrene	12.388	104	247794	22.103	ug/l	98
71) Bromoform	12.559	173	57194	21.214	ug/l #	94
73) Isopropylbenzene	12.671	105	392471	21.093	ug/l	98
74) N-amyl acetate	12.671	43	95839m	17.796	ug/l	
75) 1,1,2,2-Tetrachloroethane	12.918	83	128906	22.253	ug/l	98
76) 1,2,3-Trichloropropane	12.971	75	102475m	19.844	ug/l	
77) Bromobenzene	12.959	156	89317	22.261	ug/l	93
78) n-propylbenzene	13.012	91	475747	20.952	ug/l	98
79) 2-Chlorotoluene	13.100	91	286955	22.160	ug/l	100
80) 1,3,5-Trimethylbenzene	13.153	105	326659	21.139	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.718	75	38485	19.415	ug/l	84
82) 4-Chlorotoluene	13.200	91	300449	21.446	ug/l	99
83) tert-Butylbenzene	13.412	119	289688	20.986	ug/l	97
84) 1,2,4-Trimethylbenzene	13.459	105	334370	21.627	ug/l	99
85) sec-Butylbenzene	13.594	105	422803	20.848	ug/l	99
86) p-Isopropyltoluene	13.706	119	347584	21.364	ug/l	99
87) 1,3-Dichlorobenzene	13.712	146	175823	21.951	ug/l	98
88) 1,4-Dichlorobenzene	13.788	146	179756	20.841	ug/l	99
89) n-Butylbenzene	14.035	91	337053	20.915	ug/l	99
90) Hexachloroethane	14.306	117	64770	20.558	ug/l	99
91) 1,2-Dichlorobenzene	14.082	146	161912	20.971	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.694	75	29025	21.527	ug/l	97
93) 1,2,4-Trichlorobenzene	15.370	180	95446	20.412	ug/l	99
94) Hexachlorobutadiene	15.476	225	35960	20.651	ug/l	96
95) Naphthalene	15.612	128	331649	20.704	ug/l	100
96) 1,2,3-Trichlorobenzene	15.812	180	90374	20.157	ug/l	98

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

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