

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120425\
 Data File : VN088437.D
 Acq On : 04 Dec 2025 11:44
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Quant Time: Dec 05 00:11:19 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112425W.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 25 01:34:52 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 12/05/2025
 Supervised By : Semsettin Yesilyurt 12/05/2025

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

Internal Standards						
1) Pentafluorobenzene	8.206	168	259230	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.077	114	454552	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	431157	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.765	152	210277	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	269836	55.256	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 110.520%			
35) Dibromofluoromethane	8.147	113	180201	57.206	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 114.420%			
50) Toluene-d8	10.541	98	649537	55.419	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 110.840%			
62) 4-Bromofluorobenzene	12.829	95	230283	57.262	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 114.520%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.142	85	201478	51.745	ug/l	99
3) Chloromethane	2.383	50	206193	49.307	ug/l	96
4) Vinyl Chloride	2.536	62	211796	49.784	ug/l	100
5) Bromomethane	2.977	94	100901	49.278	ug/l	93
6) Chloroethane	3.142	64	138625	52.654	ug/l	95
7) Trichlorofluoromethane	3.512	101	324899	54.337	ug/l	99
8) Diethyl Ether	3.959	74	117687	52.439	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.365	101	164403	51.647	ug/l	99
10) Methyl Iodide	4.583	142	141417	44.878	ug/l	92
11) Tert butyl alcohol	5.524	59	174143	223.357	ug/l	98
12) 1,1-Dichloroethene	4.336	96	160467	50.738	ug/l	93
13) Acrolein	4.171	56	216629	290.220	ug/l	98
14) Allyl chloride	5.018	41	291153	49.668	ug/l	96
15) Acrylonitrile	5.706	53	590127	262.341	ug/l	99
16) Acetone	4.418	43	408907	231.533	ug/l	100
17) Carbon Disulfide	4.706	76	513890	49.724	ug/l	99
18) Methyl Acetate	5.012	43	289409	55.051	ug/l	99
19) Methyl tert-butyl Ether	5.789	73	650434	54.892	ug/l	95
20) Methylene Chloride	5.265	84	193652	51.250	ug/l	95
21) trans-1,2-Dichloroethene	5.771	96	182717	52.153	ug/l	99
22) Diisopropyl ether	6.659	45	700009	55.934	ug/l	98
23) Vinyl Acetate	6.589	43	3136556	311.072	ug/l	99
24) 1,1-Dichloroethane	6.553	63	385388	54.378	ug/l	99
25) 2-Butanone	7.465	43	739812	260.572	ug/l	98
26) 2,2-Dichloropropane	7.471	77	326583	53.386	ug/l	99
27) cis-1,2-Dichloroethene	7.465	96	215724	52.983	ug/l	99
28) Bromochloromethane	7.794	49	199532	56.516	ug/l	97
29) Tetrahydrofuran	7.818	42	562734	276.329	ug/l	99
30) Chloroform	7.947	83	392592	56.375	ug/l	99
31) Cyclohexane	8.241	56	322585	50.228	ug/l	99
32) 1,1,1-Trichloroethane	8.147	97	331052	54.066	ug/l	99
36) 1,1-Dichloropropene	8.347	75	262020	53.897	ug/l	99
37) Ethyl Acetate	7.542	43	348681	54.547	ug/l	100
38) Carbon Tetrachloride	8.341	117	280878	58.038	ug/l	96
39) Methylcyclohexane	9.577	83	272178	52.341	ug/l	94
40) Benzene	8.583	78	792340	55.531	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.759	41	184821	58.376	ug/l	96
42) 1,2-Dichloroethane	8.647	62	331550	60.904	ug/l	97
43) Isopropyl Acetate	8.671	43	542837	55.581	ug/l	100
44) Trichloroethene	9.330	130	174795	51.846	ug/l	96
45) 1,2-Dichloropropane	9.594	63	210122	57.477	ug/l	96
46) Dibromomethane	9.688	93	150122	57.541	ug/l	98
47) Bromodichloromethane	9.865	83	307416	57.749	ug/l	97
48) Methyl methacrylate	9.659	41	262024	58.800	ug/l	97
49) 1,4-Dioxane	9.677	88	58650	1034.918	ug/l #	97
51) 4-Methyl-2-Pentanone	10.424	43	1723595	299.404	ug/l	100
52) Toluene	10.606	92	480292	58.295	ug/l	98
53) t-1,3-Dichloropropene	10.812	75	312027	57.105	ug/l	98
54) cis-1,3-Dichloropropene	10.288	75	330756	57.561	ug/l	97
55) 1,1,2-Trichloroethane	10.994	97	182938	57.390	ug/l	98
56) Ethyl methacrylate	10.853	69	311735	61.911	ug/l	98
57) 1,3-Dichloropropane	11.141	76	332821	57.876	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.135	63	883178	304.242	ug/l	100
59) 2-Hexanone	11.177	43	1099155	303.090	ug/l	100
60) Dibromochloromethane	11.335	129	214567	59.046	ug/l	99
61) 1,2-Dibromoethane	11.447	107	184522	57.164	ug/l	99
64) Tetrachloroethene	11.077	164	155230	45.415	ug/l	97
65) Chlorobenzene	11.871	112	504973	52.142	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.935	131	177636	54.384	ug/l	98
67) Ethyl Benzene	11.941	91	910559	53.794	ug/l	100
68) m/p-Xylenes	12.047	106	690769	110.067	ug/l	100
69) o-Xylene	12.376	106	319328	53.371	ug/l	97
70) Styrene	12.388	104	558388	57.477	ug/l	99
71) Bromoform	12.559	173	134945	56.405	ug/l #	99
73) Isopropylbenzene	12.671	105	846156	54.424	ug/l	100
74) N-amyl acetate	12.500	43	212974m	40.223	ug/l	
75) 1,1,2,2-Tetrachloroethane	12.918	83	276796	55.070	ug/l	98
76) 1,2,3-Trichloropropane	12.971	75	264559m	53.717	ug/l	
77) Bromobenzene	12.959	156	197041	55.390	ug/l	98
78) n-propylbenzene	13.012	91	1046093	54.998	ug/l	99
79) 2-Chlorotoluene	13.100	91	615186	52.964	ug/l	99
80) 1,3,5-Trimethylbenzene	13.147	105	720007	55.887	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.712	75	100456	57.865	ug/l #	89
82) 4-Chlorotoluene	13.200	91	656816	56.933	ug/l	98
83) tert-Butylbenzene	13.412	119	588225	53.710	ug/l	99
84) 1,2,4-Trimethylbenzene	13.459	105	730000	57.007	ug/l	98
85) sec-Butylbenzene	13.588	105	847596	53.872	ug/l	99
86) p-Isopropyltoluene	13.706	119	706011	54.723	ug/l	100
87) 1,3-Dichlorobenzene	13.712	146	376351	54.348	ug/l	99
88) 1,4-Dichlorobenzene	13.788	146	380675	52.479	ug/l	97
89) n-Butylbenzene	14.029	91	671306	53.590	ug/l	100
90) Hexachloroethane	14.306	117	127576	54.130	ug/l	98
91) 1,2-Dichlorobenzene	14.082	146	349875	53.690	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.694	75	63936	52.428	ug/l	96
93) 1,2,4-Trichlorobenzene	15.365	180	194146	50.142	ug/l	98
94) Hexachlorobutadiene	15.470	225	72189	51.883	ug/l	97
95) Naphthalene	15.612	128	712709	53.119	ug/l	99
96) 1,2,3-Trichlorobenzene	15.812	180	192507	51.087	ug/l	97

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

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