

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111125\
 Data File : VN088243.D
 Acq On : 11 Nov 2025 10:06
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Quant Time: Nov 12 01:09:26 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 03 01:16:06 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 11/12/2025
 Supervised By : Mahesh Dadoda 11/12/2025

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

Internal Standards						
1) Pentafluorobenzene	8.206	168	276463	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	517262	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	461592	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	234086	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	266959	55.842	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 111.680%			
35) Dibromofluoromethane	8.147	113	182018	52.379	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.760%			
50) Toluene-d8	10.541	98	658467	49.177	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 98.360%			
62) 4-Bromofluorobenzene	12.829	95	246395	52.106	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 104.220%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.142	85	143480	46.009	ug/l	99
3) Chloromethane	2.383	50	174270	47.501	ug/l	98
4) Vinyl Chloride	2.536	62	189836	47.490	ug/l	99
5) Bromomethane	2.965	94	116223	48.609	ug/l	95
6) Chloroethane	3.136	64	126869	44.050	ug/l	100
7) Trichlorofluoromethane	3.506	101	285535	44.785	ug/l	96
8) Diethyl Ether	3.959	74	127078	53.628	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.371	101	159775	48.564	ug/l	99
10) Methyl Iodide	4.583	142	169513	56.379	ug/l	98
11) Tert butyl alcohol	5.518	59	221563	269.019	ug/l	98
12) 1,1-Dichloroethene	4.336	96	152859	43.990	ug/l	96
13) Acrolein	4.171	56	348506	376.193	ug/l	99
14) Allyl chloride	5.012	41	311832	51.199	ug/l	98
15) Acrylonitrile	5.700	53	647027	288.408	ug/l	100
16) Acetone	4.418	43	695354	289.524	ug/l	98
17) Carbon Disulfide	4.700	76	463939	43.921	ug/l	98
18) Methyl Acetate	5.012	43	309900	63.027	ug/l	100
19) Methyl tert-butyl Ether	5.788	73	727883	57.039	ug/l	97
20) Methylene Chloride	5.265	84	206550	51.233	ug/l	95
21) trans-1,2-Dichloroethene	5.771	96	183481	48.105	ug/l	95
22) Diisopropyl ether	6.653	45	736750	57.519	ug/l	97
23) Vinyl Acetate	6.588	43	3364146	291.572	ug/l	99
24) 1,1-Dichloroethane	6.547	63	385661	54.355	ug/l	98
25) 2-Butanone	7.465	43	929871	293.788	ug/l	99
26) 2,2-Dichloropropane	7.471	77	327382	50.774	ug/l	98
27) cis-1,2-Dichloroethene	7.471	96	229732	52.320	ug/l	94
28) Bromochloromethane	7.794	49	179085	53.418	ug/l	97
29) Tetrahydrofuran	7.824	42	569726	276.202	ug/l	100
30) Chloroform	7.947	83	396121	55.884	ug/l	99
31) Cyclohexane	8.235	56	311856	46.602	ug/l	97
32) 1,1,1-Trichloroethane	8.147	97	327493	51.874	ug/l	99
36) 1,1-Dichloropropene	8.353	75	260935	51.427	ug/l	99
37) Ethyl Acetate	7.541	43	368457	56.272	ug/l	98
38) Carbon Tetrachloride	8.341	117	275406	52.554	ug/l	94
39) Methylcyclohexane	9.576	83	288396	44.220	ug/l	98
40) Benzene	8.582	78	803743	52.014	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.759	41	196981	57.159	ug/l	99
42) 1,2-Dichloroethane	8.653	62	326765	59.515	ug/l	98
43) Isopropyl Acetate	8.671	43	590285	58.668	ug/l	100
44) Trichloroethene	9.329	130	178386	49.390	ug/l	100
45) 1,2-Dichloropropane	9.600	63	214956	55.102	ug/l	98
46) Dibromomethane	9.688	93	160153	57.562	ug/l	99
47) Bromodichloromethane	9.865	83	321946	57.796	ug/l	99
48) Methyl methacrylate	9.659	41	276767	59.582	ug/l	99
49) 1,4-Dioxane	9.676	88	61191	1059.148	ug/l #	91
51) 4-Methyl-2-Pentanone	10.423	43	1800946	302.568	ug/l	99
52) Toluene	10.606	92	499257	52.404	ug/l	97
53) t-1,3-Dichloropropene	10.812	75	346186	58.392	ug/l	97
54) cis-1,3-Dichloropropene	10.288	75	358984	57.062	ug/l	96
55) 1,1,2-Trichloroethane	10.994	97	195562	54.106	ug/l	97
56) Ethyl methacrylate	10.853	69	340981	59.613	ug/l	97
57) 1,3-Dichloropropane	11.141	76	360609	56.761	ug/l	98
58) 2-Chloroethyl Vinyl ether	10.135	63	1082733	363.915	ug/l	99
59) 2-Hexanone	11.176	43	1258390	318.697	ug/l	100
60) Dibromochloromethane	11.335	129	230964	56.220	ug/l	100
61) 1,2-Dibromoethane	11.447	107	204479	54.970	ug/l	99
64) Tetrachloroethene	11.082	164	151261	49.679	ug/l	94
65) Chlorobenzene	11.870	112	550454	52.518	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.935	131	190650	55.520	ug/l	98
67) Ethyl Benzene	11.941	91	954021	51.855	ug/l	98
68) m/p-Xylenes	12.047	106	712195	103.316	ug/l	100
69) o-Xylene	12.376	106	350258	53.600	ug/l	99
70) Styrene	12.388	104	594258	55.767	ug/l	98
71) Bromoform	12.559	173	148230	57.843	ug/l #	99
73) Isopropylbenzene	12.670	105	902431	49.984	ug/l	99
74) N-amyl acetate	12.500	43	233935	45.644	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.917	83	300933	53.538	ug/l	99
76) 1,2,3-Trichloropropane	12.970	75	245817m	45.931	ug/l	
77) Bromobenzene	12.959	156	211507	54.327	ug/l	98
78) n-propylbenzene	13.011	91	1092558	49.588	ug/l	100
79) 2-Chlorotoluene	13.100	91	670782	53.386	ug/l	97
80) 1,3,5-Trimethylbenzene	13.153	105	761095	50.759	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.717	75	105423	54.949	ug/l	88
82) 4-Chlorotoluene	13.200	91	693891	51.044	ug/l	100
83) tert-Butylbenzene	13.411	119	652236	48.695	ug/l	98
84) 1,2,4-Trimethylbenzene	13.459	105	792222	52.808	ug/l	98
85) sec-Butylbenzene	13.594	105	943089	47.923	ug/l	99
86) p-Isopropyltoluene	13.706	119	787019	49.853	ug/l	99
87) 1,3-Dichlorobenzene	13.711	146	407005	52.368	ug/l	99
88) 1,4-Dichlorobenzene	13.788	146	412687	49.438	ug/l	97
89) n-Butylbenzene	14.029	91	757820	48.462	ug/l	99
90) Hexachloroethane	14.306	117	147565	48.269	ug/l	95
91) 1,2-Dichlorobenzene	14.082	146	388317	51.832	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.700	75	72477	55.398	ug/l	94
93) 1,2,4-Trichlorobenzene	15.364	180	230760	50.859	ug/l	98
94) Hexachlorobutadiene	15.476	225	81330	48.135	ug/l	96
95) Naphthalene	15.611	128	805605	51.830	ug/l	100
96) 1,2,3-Trichlorobenzene	15.811	180	217932	50.094	ug/l	98

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

