

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102325\
 Data File : VN088082.D
 Acq On : 23 Oct 2025 11:41
 Operator : JC\MD
 Sample : VSTDICC100
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

Reviewed By :John Carlone 10/24/2025
 Supervised By :Mahesh Dadoda 10/27/2025

Quant Time: Oct 24 02:43:27 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 24 02:37:20 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.206	168	328655	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	610283	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	541844	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	276404	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	540367	95.083	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 190.160%#			
35) Dibromofluoromethane	8.147	113	399554	97.454	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 194.900%#			
50) Toluene-d8	10.547	98	1566524	99.162	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 198.320%#			
62) 4-Bromofluorobenzene	12.829	95	569341	102.048	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 204.100%#			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.142	85	323877	87.364	ug/l	98
3) Chloromethane	2.383	50	380310	87.199	ug/l	99
4) Vinyl Chloride	2.536	62	419872	88.355	ug/l	98
5) Bromomethane	2.959	94	255765	89.983	ug/l	99
6) Chloroethane	3.130	64	293645	85.765	ug/l	99
7) Trichlorofluoromethane	3.506	101	677579	89.398	ug/l	97
8) Diethyl Ether	3.959	74	262726	93.266	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.365	101	368583	94.241	ug/l	99
10) Methyl Iodide	4.577	142	443084	109.415	ug/l	99
11) Tert butyl alcohol	5.524	59	496669	507.281	ug/l	97
12) 1,1-Dichloroethene	4.330	96	359796	87.100	ug/l	96
13) Acrolein	4.177	56	535773	486.494	ug/l	100
14) Allyl chloride	5.012	41	739017	102.372	ug/l	97
15) Acrylonitrile	5.706	53	1398460	524.363	ug/l	98
16) Acetone	4.424	43	1352111	473.573	ug/l	95
17) Carbon Disulfide	4.700	76	1260006	100.343	ug/l	97
18) Methyl Acetate	5.012	43	588757	100.725	ug/l	98
19) Methyl tert-butyl Ether	5.788	73	1557573	102.672	ug/l	99
20) Methylene Chloride	5.265	84	465262	103.852	ug/l	94
21) trans-1,2-Dichloroethene	5.771	96	442419	96.858	ug/l	97
22) Diisopropyl ether	6.659	45	1405211	92.284	ug/l	99
23) Vinyl Acetate	6.588	43	6435529	469.193	ug/l	100
24) 1,1-Dichloroethane	6.553	63	750482	88.975	ug/l	98
25) 2-Butanone	7.471	43	1695926	455.416	ug/l	99
26) 2,2-Dichloropropane	7.471	77	672222	87.699	ug/l	98
27) cis-1,2-Dichloroethene	7.471	96	456379	87.431	ug/l	97
28) Bromochloromethane	7.800	49	392057	98.372	ug/l	97
29) Tetrahydrofuran	7.824	42	1118711	456.222	ug/l	99
30) Chloroform	7.953	83	763656	90.626	ug/l	100
31) Cyclohexane	8.241	56	693259	87.146	ug/l	97
32) 1,1,1-Trichloroethane	8.153	97	666712	88.836	ug/l	97
36) 1,1-Dichloropropene	8.353	75	552930	92.365	ug/l	98
37) Ethyl Acetate	7.547	43	706621	91.855	ug/l	98
38) Carbon Tetrachloride	8.347	117	573295	92.723	ug/l	96
39) Methylcyclohexane	9.582	83	705005	91.622	ug/l	96
40) Benzene	8.588	78	1675215	91.888	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.759	41	361660	88.949	ug/l	98
42) 1,2-Dichloroethane	8.653	62	585932	90.453	ug/l	100
43) Isopropyl Acetate	8.671	43	1114940	93.923	ug/l	98
44) Trichloroethene	9.335	130	388649	91.204	ug/l	94
45) 1,2-Dichloropropane	9.600	63	414728	90.107	ug/l	99
46) Dibromomethane	9.688	93	300542	91.556	ug/l	99
47) Bromodichloromethane	9.871	83	608546	92.594	ug/l #	98
48) Methyl methacrylate	9.665	41	518783	92.006	ug/l	97
49) 1,4-Dioxane	9.682	88	129011	1892.672	ug/l #	99
51) 4-Methyl-2-Pentanone	10.423	43	3369067	479.746	ug/l	99
52) Toluene	10.606	92	1051747	93.569	ug/l	97
53) t-1,3-Dichloropropene	10.818	75	682584	97.583	ug/l	98
54) cis-1,3-Dichloropropene	10.294	75	716101	96.477	ug/l	95
55) 1,1,2-Trichloroethane	10.994	97	386802	90.704	ug/l	98
56) Ethyl methacrylate	10.853	69	690302	102.440	ug/l	96
57) 1,3-Dichloropropane	11.141	76	698638	93.206	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.141	63	1711029	487.433	ug/l	99
59) 2-Hexanone	11.176	43	2389312	518.272	ug/l	99
60) Dibromochloromethane	11.335	129	460237	94.953	ug/l	100
61) 1,2-Dibromoethane	11.447	107	413544	94.227	ug/l	99
64) Tetrachloroethene	11.082	164	322496	90.231	ug/l	97
65) Chlorobenzene	11.870	112	1141556	92.783	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.935	131	377142	93.562	ug/l	99
67) Ethyl Benzene	11.941	91	2030094	94.000	ug/l	99
68) m/p-Xylenes	12.047	106	1533978	189.570	ug/l	97
69) o-Xylene	12.376	106	741253	96.633	ug/l	98
70) Styrene	12.388	104	1262211	100.907	ug/l	99
71) Bromoform	12.559	173	299375	99.521	ug/l #	98
73) Isopropylbenzene	12.676	105	1978907	92.826	ug/l	99
74) N-amyl acetate	12.488	43	604970	95.060	ug/l #	89
75) 1,1,2,2-Tetrachloroethane	12.917	83	596827	89.923	ug/l	99
76) 1,2,3-Trichloropropane	12.970	75	560461m	94.724	ug/l	
77) Bromobenzene	12.959	156	436345	94.918	ug/l	98
78) n-propylbenzene	13.012	91	2451982	94.250	ug/l	98
79) 2-Chlorotoluene	13.100	91	1406851	94.825	ug/l	100
80) 1,3,5-Trimethylbenzene	13.147	105	1673751	94.536	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.717	75	222990	98.182	ug/l #	79
82) 4-Chlorotoluene	13.200	91	1449779	90.321	ug/l	97
83) tert-Butylbenzene	13.417	119	1462710	92.484	ug/l	97
84) 1,2,4-Trimethylbenzene	13.459	105	1665233	94.006	ug/l	99
85) sec-Butylbenzene	13.594	105	2145645	92.338	ug/l	100
86) p-Isopropyltoluene	13.706	119	1752529	94.017	ug/l	100
87) 1,3-Dichlorobenzene	13.711	146	848480	92.456	ug/l	99
88) 1,4-Dichlorobenzene	13.788	146	874733	88.514	ug/l	99
89) n-Butylbenzene	14.035	91	1745999	94.560	ug/l	99
90) Hexachloroethane	14.311	117	337079	93.379	ug/l	96
91) 1,2-Dichlorobenzene	14.082	146	812199	91.813	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.694	75	134329	86.956	ug/l	94
93) 1,2,4-Trichlorobenzene	15.364	180	498767	93.098	ug/l	99
94) Hexachlorobutadiene	15.476	225	176342	88.389	ug/l	98
95) Naphthalene	15.611	128	1770584	96.473	ug/l	99
96) 1,2,3-Trichlorobenzene	15.811	180	468875	91.276	ug/l	98

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

