

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102725\
 Data File : VN088125.D
 Acq On : 27 Oct 2025 19:22
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 10/28/2025
 Supervised By : Semsettin Yesilyurt 10/28/2025

Quant Time: Oct 28 01:34:45 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 25 00:15:22 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.206	168	318055	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	599670	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	531440	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.765	152	263605	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	284799	51.783	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 103.560%			
35) Dibromofluoromethane	8.147	113	189703	47.089	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 94.180%			
50) Toluene-d8	10.541	98	724395	46.666	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 93.340%			
62) 4-Bromofluorobenzene	12.823	95	280067	51.087	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 102.180%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.142	85	170079	47.407	ug/l	98
3) Chloromethane	2.383	50	198073	46.929	ug/l	99
4) Vinyl Chloride	2.536	62	221656	48.199	ug/l	97
5) Bromomethane	2.977	94	96505	35.084	ug/l	99
6) Chloroethane	3.142	64	150296	45.360	ug/l	97
7) Trichlorofluoromethane	3.512	101	329371	44.905	ug/l	92
8) Diethyl Ether	3.959	74	141603	51.944	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.365	101	172956	45.696	ug/l	98
10) Methyl Iodide	4.583	142	171364	46.255	ug/l	99
11) Tert butyl alcohol	5.518	59	264171	278.808	ug/l	99
12) 1,1-Dichloroethene	4.336	96	182394	45.626	ug/l	98
13) Acrolein	4.177	56	246036	230.852	ug/l	99
14) Allyl chloride	5.012	41	355007	50.665	ug/l	97
15) Acrylonitrile	5.712	53	698851	270.773	ug/l	99
16) Acetone	4.424	43	642224	232.434	ug/l	98
17) Carbon Disulfide	4.706	76	555456	45.709	ug/l	98
18) Methyl Acetate	5.012	43	354755	62.715	ug/l	99
19) Methyl tert-butyl Ether	5.789	73	818282	55.737	ug/l	96
20) Methylene Chloride	5.265	84	231065	53.672	ug/l	95
21) trans-1,2-Dichloroethene	5.777	96	208080	47.421	ug/l	95
22) Diisopropyl ether	6.659	45	808779	54.885	ug/l	98
23) Vinyl Acetate	6.589	43	3632153	273.634	ug/l	99
24) 1,1-Dichloroethane	6.553	63	432685	53.007	ug/l	98
25) 2-Butanone	7.465	43	969283	266.193	ug/l	100
26) 2,2-Dichloropropane	7.471	77	354364	47.772	ug/l	99
27) cis-1,2-Dichloroethene	7.465	96	256978	50.871	ug/l	94
28) Bromochloromethane	7.794	49	201452	52.231	ug/l	100
29) Tetrahydrofuran	7.824	42	618421	260.604	ug/l	98
30) Chloroform	7.947	83	440664	54.038	ug/l	100
31) Cyclohexane	8.236	56	362093	47.034	ug/l	97
32) 1,1,1-Trichloroethane	8.153	97	367879	50.651	ug/l	99
36) 1,1-Dichloropropene	8.353	75	301889	51.322	ug/l	100
37) Ethyl Acetate	7.547	43	401401	52.879	ug/l	99
38) Carbon Tetrachloride	8.341	117	310261	51.069	ug/l	95
39) Methylcyclohexane	9.577	83	345268	45.665	ug/l	97
40) Benzene	8.588	78	922487	51.495	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.765	41	212370	53.156	ug/l	100
42) 1,2-Dichloroethane	8.653	62	366906	57.643	ug/l	98
43) Isopropyl Acetate	8.671	43	644821	55.281	ug/l	99
44) Trichloroethene	9.330	130	207072	49.453	ug/l	98
45) 1,2-Dichloropropane	9.600	63	238018	52.629	ug/l	100
46) Dibromomethane	9.688	93	176071	54.587	ug/l	99
47) Bromodichloromethane	9.865	83	353090	54.676	ug/l	96
48) Methyl methacrylate	9.659	41	312803	58.085	ug/l	99
49) 1,4-Dioxane	9.682	88	69730	1041.087	ug/l #	95
51) 4-Methyl-2-Pentanone	10.424	43	1959018	283.896	ug/l	99
52) Toluene	10.606	92	569486	51.561	ug/l	99
53) t-1,3-Dichloropropene	10.812	75	381649	55.527	ug/l	99
54) cis-1,3-Dichloropropene	10.288	75	400510	54.914	ug/l	98
55) 1,1,2-Trichloroethane	10.994	97	220370	52.591	ug/l	97
56) Ethyl methacrylate	10.853	69	392464	59.185	ug/l	98
57) 1,3-Dichloropropane	11.141	76	399100	54.187	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.141	63	1086061	314.869	ug/l	100
59) 2-Hexanone	11.176	43	1340477	292.833	ug/l	97
60) Dibromochloromethane	11.335	129	253505	53.227	ug/l	99
61) 1,2-Dibromoethane	11.447	107	228328	52.946	ug/l	98
64) Tetrachloroethene	11.082	164	163615	46.674	ug/l	97
65) Chlorobenzene	11.871	112	614185	50.897	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.941	131	211600	53.522	ug/l	100
67) Ethyl Benzene	11.941	91	1094837	51.687	ug/l	100
68) m/p-Xylenes	12.047	106	816258	102.849	ug/l	100
69) o-Xylene	12.376	106	397501	52.834	ug/l	99
70) Styrene	12.388	104	681624	55.559	ug/l	97
71) Bromoform	12.553	173	161275	54.662	ug/l #	98
73) Isopropylbenzene	12.671	105	1043270	51.314	ug/l	99
74) N-amyl acetate	12.500	43	309110m	53.558	ug/l	
75) 1,1,2,2-Tetrachloroethane	12.918	83	333637	52.709	ug/l	100
76) 1,2,3-Trichloropropane	12.970	75	319579m	53.026	ug/l	
77) Bromobenzene	12.959	156	237504	54.173	ug/l	98
78) n-propylbenzene	13.012	91	1247236	50.269	ug/l	99
79) 2-Chlorotoluene	13.100	91	763599	53.967	ug/l	97
80) 1,3,5-Trimethylbenzene	13.153	105	881471	52.204	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.718	75	104077	48.172	ug/l	89
82) 4-Chlorotoluene	13.200	91	784318	51.235	ug/l	99
83) tert-Butylbenzene	13.412	119	756775	50.172	ug/l	99
84) 1,2,4-Trimethylbenzene	13.459	105	896251	53.052	ug/l	99
85) sec-Butylbenzene	13.594	105	1067560	48.173	ug/l	100
86) p-Isopropyltoluene	13.706	119	898592	50.547	ug/l	98
87) 1,3-Dichlorobenzene	13.712	146	447497	51.130	ug/l	99
88) 1,4-Dichlorobenzene	13.788	146	459660	48.899	ug/l	99
89) n-Butylbenzene	14.029	91	837525	47.561	ug/l	99
90) Hexachloroethane	14.306	117	167923	48.777	ug/l	97
91) 1,2-Dichlorobenzene	14.082	146	437710	51.882	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.694	75	81524	55.335	ug/l	95
93) 1,2,4-Trichlorobenzene	15.364	180	256083	50.120	ug/l	99
94) Hexachlorobutadiene	15.470	225	83547	43.910	ug/l	99
95) Naphthalene	15.611	128	939345	53.667	ug/l	99
96) 1,2,3-Trichlorobenzene	15.811	180	250626	51.158	ug/l	99

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

