

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062725\
 Data File : VN087233.D
 Acq On : 27 Jun 2025 19:07
 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 :Mahesh Dadoda 06/30/2025
 Supervised By :Semsettin Yesilyurt 06/30/2025

Quant Time: Jun 27 23:50:21 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N062625W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 27 05:55:21 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	184237	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	350893	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	320349	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	158408	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	130513	49.225	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	98.460%		
35) Dibromofluoromethane	8.177	113	98189	43.283	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	86.560%		
50) Toluene-d8	10.565	98	417177	44.463	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	88.920%		
62) 4-Bromofluorobenzene	12.847	95	148372	45.573	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	91.140%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.153	85	110867	48.021	ug/l	98
3) Chloromethane	2.395	50	104565	46.385	ug/l	98
4) Vinyl Chloride	2.553	62	119606	49.101	ug/l	99
5) Bromomethane	2.983	94	60753	46.473	ug/l	94
6) Chloroethane	3.147	64	61660	48.442	ug/l	98
7) Trichlorofluoromethane	3.524	101	127713	44.029	ug/l	93
8) Diethyl Ether	3.983	74	49885	38.662	ug/l	86
9) 1,1,2-Trichlorotrifluo...	4.394	101	88665	42.754	ug/l	97
10) Methyl Iodide	4.612	142	81225	44.978	ug/l	96
11) Tert butyl alcohol	5.541	59	137062	234.621	ug/l	100
12) 1,1-Dichloroethene	4.365	96	87485	40.479	ug/l	99
13) Acrolein	4.200	56	99363	206.291	ug/l	99
14) Allyl chloride	5.047	41	126001	36.018	ug/l #	86
15) Acrylonitrile	5.736	53	344364	224.647	ug/l	98
16) Acetone	4.447	43	239675	189.981	ug/l	100
17) Carbon Disulfide	4.742	76	243514	38.982	ug/l	98
18) Methyl Acetate	5.041	43	125381	38.977	ug/l	95
19) Methyl tert-butyl Ether	5.812	73	376617	50.593	ug/l	94
20) Methylene Chloride	5.294	84	96392	41.362	ug/l	95
21) trans-1,2-Dichloroethene	5.806	96	117822	49.155	ug/l	92
22) Diisopropyl ether	6.688	45	361032	46.909	ug/l	98
23) Vinyl Acetate	6.618	43	1645925	239.148	ug/l	97
24) 1,1-Dichloroethane	6.588	63	208990	45.977	ug/l	99
25) 2-Butanone	7.494	43	423601	210.732	ug/l	98
26) 2,2-Dichloropropane	7.500	77	141746	39.229	ug/l	99
27) cis-1,2-Dichloroethene	7.500	96	120226	43.139	ug/l	96
28) Bromochloromethane	7.824	49	90832	45.455	ug/l	100
29) Tetrahydrofuran	7.847	42	343407	260.565	ug/l	100
30) Chloroform	7.977	83	220998	51.543	ug/l	99
31) Cyclohexane	8.265	56	203967	49.691	ug/l	96
32) 1,1,1-Trichloroethane	8.177	97	191319	51.937	ug/l	97
36) 1,1-Dichloropropene	8.377	75	169576	51.033	ug/l	99
37) Ethyl Acetate	7.571	43	176485	40.813	ug/l	99
38) Carbon Tetrachloride	8.371	117	168716	52.134	ug/l	97
39) Methylcyclohexane	9.606	83	199219	49.140	ug/l	98
40) Benzene	8.612	78	543327	52.920	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.788	41	98481	45.285	ug/l	96
42) 1,2-Dichloroethane	8.677	62	174611	52.315	ug/l	98
43) Isopropyl Acetate	8.694	43	332672	54.458	ug/l	98
44) Trichloroethene	9.359	130	127590	51.904	ug/l	94
45) 1,2-Dichloropropane	9.624	63	133211	50.337	ug/l	96
46) Dibromomethane	9.712	93	91953	51.273	ug/l	99
47) Bromodichloromethane	9.888	83	183079	50.829	ug/l	96
48) Methyl methacrylate	9.682	41	153747	52.056	ug/l	97
49) 1,4-Dioxane	9.700	88	48130	986.293	ug/l #	96
51) 4-Methyl-2-Pentanone	10.447	43	1028479	238.099	ug/l	98
52) Toluene	10.629	92	339398	51.709	ug/l	100
53) t-1,3-Dichloropropene	10.835	75	203873	50.763	ug/l	97
54) cis-1,3-Dichloropropene	10.312	75	215346	50.394	ug/l	98
55) 1,1,2-Trichloroethane	11.018	97	127463	51.348	ug/l	98
56) Ethyl methacrylate	10.882	69	211850	50.598	ug/l	99
57) 1,3-Dichloropropane	11.165	76	222588	50.753	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.159	63	594470	263.449	ug/l	97
59) 2-Hexanone	11.200	43	675665	248.616	ug/l	97
60) Dibromochloromethane	11.359	129	137306	50.861	ug/l	100
61) 1,2-Dibromoethane	11.470	107	133189	50.758	ug/l	98
64) Tetrachloroethene	11.106	164	101530	51.783	ug/l	96
65) Chlorobenzene	11.888	112	369367	51.983	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.959	131	120173	52.949	ug/l	100
67) Ethyl Benzene	11.965	91	630878	53.236	ug/l	99
68) m/p-Xylenes	12.070	106	494110	108.970	ug/l	100
69) o-Xylene	12.394	106	228914	55.535	ug/l	100
70) Styrene	12.412	104	397747	56.219	ug/l	99
71) Bromoform	12.576	173	92311	54.804	ug/l #	100
73) Isopropylbenzene	12.694	105	593239	55.321	ug/l	100
74) N-amyl acetate	12.517	43	196223m	49.177	ug/l	
75) 1,1,2,2-Tetrachloroethane	12.935	83	202847	52.520	ug/l	100
76) 1,2,3-Trichloropropane	12.994	75	169909m	48.075	ug/l	
77) Bromobenzene	12.976	156	141110	54.144	ug/l	97
78) n-propylbenzene	13.035	91	720618	54.559	ug/l	100
79) 2-Chlorotoluene	13.123	91	427607	52.007	ug/l	99
80) 1,3,5-Trimethylbenzene	13.170	105	489049	55.243	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.735	75	82472	52.373	ug/l	88
82) 4-Chlorotoluene	13.217	91	441328	53.842	ug/l	100
83) tert-Butylbenzene	13.435	119	419658	55.187	ug/l	99
84) 1,2,4-Trimethylbenzene	13.482	105	502316	55.919	ug/l	99
85) sec-Butylbenzene	13.612	105	604307	53.940	ug/l	99
86) p-Isopropyltoluene	13.723	119	511819	55.702	ug/l	99
87) 1,3-Dichlorobenzene	13.729	146	276047	52.637	ug/l	100
88) 1,4-Dichlorobenzene	13.812	146	279233	51.785	ug/l	99
89) n-Butylbenzene	14.053	91	442944	51.885	ug/l	99
90) Hexachloroethane	14.329	117	87313	49.103	ug/l	99
91) 1,2-Dichlorobenzene	14.106	146	253572	51.338	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	45001	51.041	ug/l	95
93) 1,2,4-Trichlorobenzene	15.388	180	148118	53.866	ug/l	100
94) Hexachlorobutadiene	15.494	225	40209	46.354	ug/l	97
95) Naphthalene	15.635	128	577536	55.363	ug/l	100
96) 1,2,3-Trichlorobenzene	15.835	180	145574	53.619	ug/l	98

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

