

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062025\
 Data File : VN087147.D
 Acq On : 20 Jun 2025 17:54
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 06/23/2025
 Supervised By : Mahesh Dadoda 06/23/2025

Quant Time: Jun 20 23:10:53 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 07 02:12:50 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	162491	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	279471	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	206334	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	142845	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	99201	45.598	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	91.200%
35) Dibromofluoromethane	8.171	113	86961	52.506	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	105.020%
50) Toluene-d8	10.565	98	352657	53.787	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	107.580%
62) 4-Bromofluorobenzene	12.847	95	141555	58.111	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	116.220%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.154	85	95739	59.093	ug/l	98
3) Chloromethane	2.395	50	101720	48.621	ug/l	99
4) Vinyl Chloride	2.553	62	132237	61.274	ug/l	99
5) Bromomethane	2.989	94	66320	54.914	ug/l	100
6) Chloroethane	3.153	64	72022	51.665	ug/l	94
7) Trichlorofluoromethane	3.530	101	155013	54.976	ug/l	99
8) Diethyl Ether	3.977	74	73008	59.427	ug/l	88
9) 1,1,2-Trichlorotrifluo...	4.400	101	100554	56.762	ug/l	98
10) Methyl Iodide	4.612	142	99094	43.151	ug/l	95
11) Tert butyl alcohol	5.536	59	117142	198.438	ug/l	100
12) 1,1-Dichloroethene	4.365	96	106171	58.704	ug/l	92
13) Acrolein	4.200	56	34663	185.505	ug/l	97
14) Allyl chloride	5.047	41	131488	43.838	ug/l	92
15) Acrylonitrile	5.736	53	310573	225.087	ug/l	98
16) Acetone	4.442	43	246242	213.432	ug/l	96
17) Carbon Disulfide	4.742	76	280266	56.023	ug/l	99
18) Methyl Acetate	5.042	43	132531	39.419	ug/l	94
19) Methyl tert-butyl Ether	5.812	73	338277	51.658	ug/l	99
20) Methylene Chloride	5.300	84	110521	51.168	ug/l	91
21) trans-1,2-Dichloroethene	5.812	96	106803	53.078	ug/l	94
22) Diisopropyl ether	6.689	45	292694	46.294	ug/l	96
23) Vinyl Acetate	6.618	43	1273763	238.450	ug/l	94
24) 1,1-Dichloroethane	6.583	63	183463	50.423	ug/l	100
25) 2-Butanone	7.488	43	371732	198.221	ug/l	91
26) 2,2-Dichloropropane	7.500	77	127422	45.021	ug/l	97
27) cis-1,2-Dichloroethene	7.494	96	124126	51.580	ug/l	93
28) Bromochloromethane	7.818	49	78711	43.998	ug/l	86
29) Tetrahydrofuran	7.847	42	260775	213.461	ug/l	90
30) Chloroform	7.971	83	181830	50.041	ug/l	98
31) Cyclohexane	8.259	56	161129	45.664	ug/l	94
32) 1,1,1-Trichloroethane	8.177	97	161384	52.220	ug/l	96
36) 1,1-Dichloropropene	8.377	75	128427	52.039	ug/l	98
37) Ethyl Acetate	7.571	43	152067	48.403	ug/l	98
38) Carbon Tetrachloride	8.371	117	135845	56.067	ug/l	99
39) Methylcyclohexane	9.600	83	146033	43.190	ug/l	92
40) Benzene	8.612	78	454159	56.276	ug/l	99

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41) Methacrylonitrile	7.788	41	81026	45.923	ug/l	91
42) 1,2-Dichloroethane	8.677	62	127052	51.905	ug/l	97
43) Isopropyl Acetate	8.694	43	231848	45.980	ug/l	94
44) Trichloroethene	9.359	130	108360	56.627	ug/l	99
45) 1,2-Dichloropropane	9.624	63	96691	49.248	ug/l	98
46) Dibromomethane	9.712	93	76307	58.513	ug/l	96
47) Bromodichloromethane	9.888	83	143989	53.664	ug/l	98
48) Methyl methacrylate	9.682	41	108396	46.706	ug/l	91
49) 1,4-Dioxane	9.700	88	42403	1004.308	ug/l #	97
51) 4-Methyl-2-Pentanone	10.447	43	732294	241.238	ug/l	95
52) Toluene	10.629	92	307372	62.323	ug/l	98
53) t-1,3-Dichloropropene	10.835	75	177738	59.240	ug/l	98
54) cis-1,3-Dichloropropene	10.312	75	172528	53.743	ug/l	94
55) 1,1,2-Trichloroethane	11.018	97	108583	57.218	ug/l	98
56) Ethyl methacrylate	10.876	69	183741	60.789	ug/l	91
57) 1,3-Dichloropropane	11.159	76	189743	57.638	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.159	63	363849	201.822	ug/l	93
59) 2-Hexanone	11.200	43	471907	241.346	ug/l	93
60) Dibromochloromethane	11.359	129	122622	62.018	ug/l	99
61) 1,2-Dibromoethane	11.471	107	105429	54.202	ug/l	99
64) Tetrachloroethene	11.100	164	92502	70.838	ug/l	96
65) Chlorobenzene	11.888	112	266645	58.594	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.959	131	94599	64.668	ug/l	100
67) Ethyl Benzene	11.959	91	487616	62.207	ug/l	99
68) m/p-Xylenes	12.065	106	418589	139.501	ug/l	96
69) o-Xylene	12.394	106	207100	72.064	ug/l	96
70) Styrene	12.412	104	345963	70.352	ug/l	99
71) Bromoform	12.576	173	83499	77.037	ug/l #	100
73) Isopropylbenzene	12.694	105	550154	52.867	ug/l	100
74) N-amyl acetate	12.518	43	178547m	49.099	ug/l	
75) 1,1,2,2-Tetrachloroethane	12.935	83	182356	51.726	ug/l	100
76) 1,2,3-Trichloropropane	12.988	75	169950m	50.052	ug/l	
77) Bromobenzene	12.976	156	135521	56.786	ug/l	90
78) n-propylbenzene	13.035	91	634572	50.178	ug/l	97
79) 2-Chlorotoluene	13.123	91	388823	51.267	ug/l	97
80) 1,3,5-Trimethylbenzene	13.170	105	447917	52.134	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.735	75	65815	44.619	ug/l	94
82) 4-Chlorotoluene	13.217	91	400747	52.222	ug/l	98
83) tert-Butylbenzene	13.435	119	383730	48.792	ug/l	98
84) 1,2,4-Trimethylbenzene	13.476	105	452990	52.579	ug/l	99
85) sec-Butylbenzene	13.612	105	530770	46.472	ug/l	100
86) p-Isopropyltoluene	13.723	119	447505	47.400	ug/l	98
87) 1,3-Dichlorobenzene	13.729	146	252129	53.696	ug/l	99
88) 1,4-Dichlorobenzene	13.812	146	259499	54.207	ug/l	99
89) n-Butylbenzene	14.053	91	372788	40.765	ug/l	99
90) Hexachloroethane	14.329	117	78887	49.295	ug/l	100
91) 1,2-Dichlorobenzene	14.106	146	242835	53.830	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	38228	45.341	ug/l	92
93) 1,2,4-Trichlorobenzene	15.388	180	131039	45.489	ug/l	100
94) Hexachlorobutadiene	15.494	225	34792	32.418	ug/l	98
95) Naphthalene	15.635	128	528806	49.318	ug/l	100
96) 1,2,3-Trichlorobenzene	15.835	180	126243	44.109	ug/l	99

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

