

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060625\
 Data File : VN086886.D
 Acq On : 06 Jun 2025 22:52
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 06/09/2025
 Supervised By : Mahesh Dadoda 06/09/2025

Quant Time: Jun 07 02:33:44 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	8.235	168	261736	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	470194	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	396714	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	187180	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	164275	46.877	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	93.760%		
35) Dibromofluoromethane	8.177	113	143554	51.518	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	103.040%		
50) Toluene-d8	10.571	98	543822	49.300	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	98.600%		
62) 4-Bromofluorobenzene	12.847	95	200570	48.940	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	97.880%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.153	85	129536	49.637	ug/l	98
3) Chloromethane	2.395	50	141728	42.057	ug/l	100
4) Vinyl Chloride	2.553	62	163556	47.050	ug/l	96
5) Bromomethane	2.989	94	69976	35.971	ug/l	96
6) Chloroethane	3.153	64	106047	47.227	ug/l	100
7) Trichlorofluoromethane	3.524	101	221064	48.673	ug/l	98
8) Diethyl Ether	3.983	74	101515	51.299	ug/l	93
9) 1,1,2-Trichlorotrifluo...	4.394	101	132229	46.339	ug/l	98
10) Methyl Iodide	4.612	142	120980	32.706	ug/l	99
11) Tert butyl alcohol	5.541	59	218899	230.209	ug/l	99
12) 1,1-Dichloroethene	4.365	96	144316	49.539	ug/l	93
13) Acrolein	4.200	56	78289	260.110	ug/l	99
14) Allyl chloride	5.042	41	202887	41.994	ug/l	96
15) Acrylonitrile	5.736	53	517438	232.815	ug/l	100
16) Acetone	4.447	43	396856	213.549	ug/l	97
17) Carbon Disulfide	4.736	76	361259	44.831	ug/l	99
18) Methyl Acetate	5.047	43	251426	46.426	ug/l	96
19) Methyl tert-butyl Ether	5.812	73	525159	49.787	ug/l	98
20) Methylene Chloride	5.300	84	164665	47.328	ug/l	94
21) trans-1,2-Dichloroethene	5.806	96	153765	47.441	ug/l	93
22) Diisopropyl ether	6.688	45	473587	46.502	ug/l	96
23) Vinyl Acetate	6.618	43	2026326	235.497	ug/l	97
24) 1,1-Dichloroethane	6.588	63	280638	47.884	ug/l	99
25) 2-Butanone	7.494	43	671575	222.321	ug/l	98
26) 2,2-Dichloropropane	7.506	77	174955	38.376	ug/l	97
27) cis-1,2-Dichloroethene	7.500	96	191243	49.337	ug/l	94
28) Bromochloromethane	7.824	49	118823	41.235	ug/l	89
29) Tetrahydrofuran	7.847	42	433459	220.275	ug/l	93
30) Chloroform	7.977	83	276347	47.216	ug/l	99
31) Cyclohexane	8.271	56	225270	39.634	ug/l	94
32) 1,1,1-Trichloroethane	8.182	97	232790	46.763	ug/l	99
36) 1,1-Dichloropropene	8.382	75	197479	47.561	ug/l	98
37) Ethyl Acetate	7.571	43	243794	46.124	ug/l	98
38) Carbon Tetrachloride	8.371	117	197173	48.369	ug/l	98
39) Methylcyclohexane	9.606	83	229965	40.426	ug/l	95
40) Benzene	8.612	78	654782	48.225	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.788	41	135457	45.632	ug/l	96
42) 1,2-Dichloroethane	8.677	62	196625	47.745	ug/l	99
43) Isopropyl Acetate	8.694	43	390586	46.040	ug/l	97
44) Trichloroethene	9.359	130	161285	50.096	ug/l	99
45) 1,2-Dichloropropane	9.629	63	157627	47.719	ug/l	98
46) Dibromomethane	9.718	93	110060	50.163	ug/l	96
47) Bromodichloromethane	9.894	83	222106	49.201	ug/l	97
48) Methyl methacrylate	9.682	41	182261	46.678	ug/l	96
49) 1,4-Dioxane	9.700	88	74348	1046.645	ug/l #	94
51) 4-Methyl-2-Pentanone	10.447	43	1212669	237.445	ug/l	96
52) Toluene	10.635	92	407924	49.161	ug/l	98
53) t-1,3-Dichloropropene	10.835	75	243593	48.257	ug/l	99
54) cis-1,3-Dichloropropene	10.318	75	260316	48.197	ug/l	97
55) 1,1,2-Trichloroethane	11.018	97	159164	49.851	ug/l	97
56) Ethyl methacrylate	10.882	69	277672	54.602	ug/l	93
57) 1,3-Dichloropropane	11.165	76	271853	49.084	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.165	63	708883	233.712	ug/l	96
59) 2-Hexanone	11.200	43	827966	251.684	ug/l	93
60) Dibromochloromethane	11.359	129	173917	52.282	ug/l	99
61) 1,2-Dibromoethane	11.471	107	166960	51.018	ug/l	99
64) Tetrachloroethene	11.106	164	122755	48.893	ug/l	92
65) Chlorobenzene	11.894	112	444982	50.857	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.959	131	147965	52.609	ug/l	99
67) Ethyl Benzene	11.965	91	734822	48.757	ug/l	99
68) m/p-Xylenes	12.070	106	570986	98.971	ug/l	99
69) o-Xylene	12.400	106	279626	50.607	ug/l	97
70) Styrene	12.412	104	485486	51.347	ug/l	99
71) Bromoform	12.582	173	118580	56.902	ug/l #	99
73) Isopropylbenzene	12.694	105	672390	49.309	ug/l	99
74) N-amyl acetate	12.506	43	278292	58.402	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.935	83	247030	53.474	ug/l	99
76) 1,2,3-Trichloropropane	12.994	75	209654m	47.120	ug/l	
77) Bromobenzene	12.982	156	170605	54.554	ug/l	96
78) n-propylbenzene	13.035	91	791890	47.786	ug/l	98
79) 2-Chlorotoluene	13.123	91	491092	49.415	ug/l	98
80) 1,3,5-Trimethylbenzene	13.170	105	551586	48.994	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.735	75	91192	47.180	ug/l	96
82) 4-Chlorotoluene	13.223	91	499349	49.658	ug/l	99
83) tert-Butylbenzene	13.435	119	497290	48.254	ug/l	98
84) 1,2,4-Trimethylbenzene	13.482	105	558265	49.450	ug/l	99
85) sec-Butylbenzene	13.617	105	686418	45.865	ug/l	98
86) p-Isopropyltoluene	13.729	119	576935	46.635	ug/l	99
87) 1,3-Dichlorobenzene	13.735	146	308503	50.140	ug/l	100
88) 1,4-Dichlorobenzene	13.812	146	317203	50.567	ug/l	99
89) n-Butylbenzene	14.053	91	514554	42.940	ug/l	99
90) Hexachloroethane	14.335	117	101289	48.302	ug/l	99
91) 1,2-Dichlorobenzene	14.106	146	302374	51.152	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.717	75	54677	49.490	ug/l	90
93) 1,2,4-Trichlorobenzene	15.388	180	178194	47.207	ug/l	99
94) Hexachlorobutadiene	15.500	225	56742	40.347	ug/l	99
95) Naphthalene	15.635	128	712445	50.707	ug/l	100
96) 1,2,3-Trichlorobenzene	15.841	180	171749	45.795	ug/l	98

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

