

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050925\
 Data File : VN086568.D
 Acq On : 09 May 2025 17:44
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/12/2025
 Supervised By : Mahesh Dadoda 05/12/2025

Quant Time: May 09 23:31:49 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 16 04:19:23 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.218	168	218018	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	379571	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	337285	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	159158	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	146284	46.271	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	92.540%		
35) Dibromofluoromethane	8.159	113	111856	63.495	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	127.000%#		
50) Toluene-d8	10.565	98	466028	49.498	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	99.000%		
62) 4-Bromofluorobenzene	12.847	95	171714	50.003	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	100.000%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.124	85	130268	50.405	ug/l	100
3) Chloromethane	2.359	50	152739	40.664	ug/l	100
4) Vinyl Chloride	2.512	62	147871	41.255	ug/l	100
5) Bromomethane	2.953	94	83517	51.801	ug/l	100
6) Chloroethane	3.118	64	96909	40.397	ug/l	99
7) Trichlorofluoromethane	3.500	101	193230	48.668	ug/l	97
8) Diethyl Ether	3.953	74	75209	43.391	ug/l	90
9) 1,1,2-Trichlorotrifluo...	4.371	101	113801	47.381	ug/l	96
10) Methyl Iodide	4.589	142	137678	52.139	ug/l	99
11) Tert butyl alcohol	5.512	59	108030	187.281	ug/l	100
12) 1,1-Dichloroethene	4.341	96	117087	45.629	ug/l	97
13) Acrolein	4.177	56	69272	258.022	ug/l	98
14) Allyl chloride	5.018	41	164239	36.004	ug/l	95
15) Acrylonitrile	5.718	53	293911	206.115	ug/l	99
16) Acetone	4.424	43	230358	209.831	ug/l	99
17) Carbon Disulfide	4.712	76	309810	40.322	ug/l	98
18) Methyl Acetate	5.024	43	126411	33.310	ug/l	96
19) Methyl tert-butyl Ether	5.794	73	402256	42.645	ug/l	98
20) Methylene Chloride	5.271	84	130082	44.508	ug/l	93
21) trans-1,2-Dichloroethene	5.783	96	121954	45.459	ug/l	91
22) Diisopropyl ether	6.671	45	390053	39.307	ug/l	97
23) Vinyl Acetate	6.600	43	1467567	211.561	ug/l	97
24) 1,1-Dichloroethane	6.565	63	225060	42.985	ug/l	99
25) 2-Butanone	7.477	43	380220	193.216	ug/l	98
26) 2,2-Dichloropropane	7.482	77	200272	42.721	ug/l	99
27) cis-1,2-Dichloroethene	7.482	96	151428	45.478	ug/l	94
28) Bromochloromethane	7.812	49	91753	41.330	ug/l	86
29) Tetrahydrofuran	7.835	42	248041	188.494	ug/l	94
30) Chloroform	7.959	83	232071	45.121	ug/l	99
31) Cyclohexane	8.253	56	201873	39.402	ug/l	98
32) 1,1,1-Trichloroethane	8.165	97	204859	46.560	ug/l	98
36) 1,1-Dichloropropene	8.365	75	167746	47.674	ug/l	99
37) Ethyl Acetate	7.559	43	152988	41.299	ug/l	100
38) Carbon Tetrachloride	8.359	117	173020	51.635	ug/l	99
39) Methylcyclohexane	9.600	83	189036	45.200	ug/l	96
40) Benzene	8.600	78	534205	47.386	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.771	41	85577	39.860	ug/l	94
42) 1,2-Dichloroethane	8.665	62	172988	48.119	ug/l	98
43) Isopropyl Acetate	8.682	43	282527	42.155	ug/l	96
44) Trichloroethene	9.347	130	135376	50.665	ug/l	98
45) 1,2-Dichloropropane	9.618	63	126331	45.780	ug/l	98
46) Dibromomethane	9.706	93	87936	50.014	ug/l	93
47) Bromodichloromethane	9.882	83	183687	48.371	ug/l	100
48) Methyl methacrylate	9.676	41	129557	39.826	ug/l	94
49) 1,4-Dioxane	9.694	88	45378	820.078	ug/l	97
51) 4-Methyl-2-Pentanone	10.441	43	804394	212.058	ug/l	97
52) Toluene	10.623	92	346093	49.201	ug/l	99
53) t-1,3-Dichloropropene	10.829	75	199440	47.049	ug/l	100
54) cis-1,3-Dichloropropene	10.306	75	213397	45.833	ug/l	98
55) 1,1,2-Trichloroethane	11.012	97	123932	48.968	ug/l	99
56) Ethyl methacrylate	10.870	69	209064	44.940	ug/l	96
57) 1,3-Dichloropropane	11.159	76	213277	47.497	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.159	63	374761	169.725	ug/l	95
59) 2-Hexanone	11.194	43	579587	205.995	ug/l	97
60) Dibromochloromethane	11.353	129	140302	50.484	ug/l	99
61) 1,2-Dibromoethane	11.465	107	129535	50.724	ug/l	99
64) Tetrachloroethene	11.100	164	133887	51.606	ug/l	99
65) Chlorobenzene	11.888	112	375987	49.952	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.953	131	127305	51.268	ug/l	99
67) Ethyl Benzene	11.959	91	655598	48.267	ug/l	99
68) m/p-Xylenes	12.065	106	508971	100.006	ug/l	95
69) o-Xylene	12.394	106	247615	49.197	ug/l	97
70) Styrene	12.406	104	413807	49.343	ug/l	98
71) Bromoform	12.576	173	91696	49.047	ug/l #	100
73) Isopropylbenzene	12.694	105	601956	46.235	ug/l	99
74) N-amyl acetate	12.488	43	242042	37.344	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.935	83	168516	45.016	ug/l	99
76) 1,2,3-Trichloropropane	12.988	75	159910m	42.576	ug/l	
77) Bromobenzene	12.976	156	145596	50.470	ug/l	89
78) n-propylbenzene	13.029	91	690224	44.990	ug/l	98
79) 2-Chlorotoluene	13.123	91	435484	45.363	ug/l	97
80) 1,3,5-Trimethylbenzene	13.170	105	487584	45.757	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.735	75	64760	41.409	ug/l	94
82) 4-Chlorotoluene	13.217	91	436920	45.817	ug/l	98
83) tert-Butylbenzene	13.435	119	424183	45.941	ug/l	97
84) 1,2,4-Trimethylbenzene	13.476	105	496051	45.732	ug/l	99
85) sec-Butylbenzene	13.611	105	575536	44.939	ug/l	99
86) p-Isopropyltoluene	13.723	119	489657	46.385	ug/l	99
87) 1,3-Dichlorobenzene	13.729	146	263269	48.547	ug/l	98
88) 1,4-Dichlorobenzene	13.806	146	264014	48.336	ug/l	97
89) n-Butylbenzene	14.053	91	409773	43.794	ug/l	99
90) Hexachloroethane	14.329	117	80500	45.336	ug/l	95
91) 1,2-Dichlorobenzene	14.100	146	255001	48.501	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	31341	41.522	ug/l	91
93) 1,2,4-Trichlorobenzene	15.388	180	121347	48.199	ug/l	99
94) Hexachlorobutadiene	15.494	225	45205	47.566	ug/l	98
95) Naphthalene	15.635	128	403740	45.239	ug/l	100
96) 1,2,3-Trichlorobenzene	15.835	180	114720	48.130	ug/l	99

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

