

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052325\
 Data File : VN086774.D
 Acq On : 23 May 2025 15:45
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/27/2025
 Supervised By : Mahesh Dadoda 05/27/2025

Quant Time: May 24 02:33:08 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051625W.M
 Quant Title : SW846 8260
 QLast Update : Sat May 17 00:46:13 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.218	168	267951	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.094	114	460732	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.859	117	406821	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	184712	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	158639	42.845	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	85.700%		
35) Dibromofluoromethane	8.159	113	138936	50.635	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	101.280%		
50) Toluene-d8	10.565	98	579123	50.931	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	101.860%		
62) 4-Bromofluorobenzene	12.847	95	205938	51.293	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	102.580%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.124	85	140368	48.508	ug/l	95
3) Chloromethane	2.359	50	182670	41.736	ug/l	99
4) Vinyl Chloride	2.518	62	173162	44.054	ug/l	95
5) Bromomethane	2.953	94	91459	40.362	ug/l	90
6) Chloroethane	3.118	64	108259	42.043	ug/l	97
7) Trichlorofluoromethane	3.500	101	214880	45.744	ug/l	98
8) Diethyl Ether	3.953	74	88286	45.496	ug/l	95
9) 1,1,2-Trichlorotrifluo...	4.371	101	135292	48.109	ug/l	96
10) Methyl Iodide	4.589	142	153285	43.819	ug/l	99
11) Tert butyl alcohol	5.506	59	111367	165.151	ug/l	100
12) 1,1-Dichloroethene	4.342	96	136751	45.757	ug/l	97
13) Acrolein	4.171	56	192036	266.392	ug/l	99
14) Allyl chloride	5.018	41	185654	41.041	ug/l	93
15) Acrylonitrile	5.712	53	324323	194.248	ug/l	100
16) Acetone	4.418	43	272032	196.411	ug/l	95
17) Carbon Disulfide	4.712	76	358039	43.270	ug/l	99
18) Methyl Acetate	5.018	43	150302	38.773	ug/l	94
19) Methyl tert-butyl Ether	5.789	73	456557	44.865	ug/l	99
20) Methylene Chloride	5.277	84	155264	42.481	ug/l	94
21) trans-1,2-Dichloroethene	5.783	96	144105	45.605	ug/l	99
22) Diisopropyl ether	6.665	45	430687	42.202	ug/l	96
23) Vinyl Acetate	6.594	43	1490333	194.305	ug/l	96
24) 1,1-Dichloroethane	6.565	63	259436	43.298	ug/l	100
25) 2-Butanone	7.477	43	395080	184.597	ug/l	95
26) 2,2-Dichloropropane	7.483	77	230696	46.655	ug/l	99
27) cis-1,2-Dichloroethene	7.483	96	174447	44.977	ug/l	98
28) Bromochloromethane	7.806	49	113144	41.562	ug/l	84
29) Tetrahydrofuran	7.835	42	252536	180.775	ug/l	95
30) Chloroform	7.959	83	261992	43.686	ug/l	97
31) Cyclohexane	8.253	56	224530	40.405	ug/l	94
32) 1,1,1-Trichloroethane	8.165	97	223622	44.226	ug/l	97
36) 1,1-Dichloropropene	8.365	75	192387	47.535	ug/l	99
37) Ethyl Acetate	7.553	43	155773	38.102	ug/l	99
38) Carbon Tetrachloride	8.359	117	189726	47.577	ug/l	95
39) Methylcyclohexane	9.594	83	220170	50.262	ug/l	97
40) Benzene	8.600	78	613650	46.478	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.771	41	88836	40.244	ug/l	94
42) 1,2-Dichloroethane	8.665	62	175614	42.694	ug/l	96
43) Isopropyl Acetate	8.682	43	278281	33.954	ug/l	94
44) Trichloroethene	9.347	130	161493	50.712	ug/l	99
45) 1,2-Dichloropropane	9.618	63	144479	46.065	ug/l	97
46) Dibromomethane	9.706	93	97505	46.072	ug/l	97
47) Bromodichloromethane	9.882	83	203000	46.553	ug/l	95
48) Methyl methacrylate	9.677	41	127997	40.302	ug/l	91
49) 1,4-Dioxane	9.688	88	52844	785.791	ug/l	95
51) 4-Methyl-2-Pentanone	10.441	43	791785	191.570	ug/l	95
52) Toluene	10.624	92	392890	47.879	ug/l	99
53) t-1,3-Dichloropropene	10.829	75	224909	48.714	ug/l	99
54) cis-1,3-Dichloropropene	10.306	75	245906	48.792	ug/l	94
55) 1,1,2-Trichloroethane	11.012	97	140522	45.906	ug/l	96
56) Ethyl methacrylate	10.871	69	230364	46.871	ug/l	93
57) 1,3-Dichloropropane	11.159	76	241744	45.841	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.153	63	523312	238.240	ug/l	97
59) 2-Hexanone	11.194	43	579907	192.134	ug/l	95
60) Dibromochloromethane	11.353	129	161017	50.192	ug/l	99
61) 1,2-Dibromoethane	11.465	107	143532	46.661	ug/l	99
64) Tetrachloroethene	11.100	164	170453	54.694	ug/l	96
65) Chlorobenzene	11.888	112	436124	48.888	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.959	131	143048	49.671	ug/l	99
67) Ethyl Benzene	11.959	91	739977	48.428	ug/l	97
68) m/p-Xylenes	12.065	106	587843	101.572	ug/l	96
69) o-Xylene	12.394	106	288644	50.166	ug/l	97
70) Styrene	12.406	104	478785	50.825	ug/l	98
71) Bromoform	12.576	173	102589	50.089	ug/l #	97
73) Isopropylbenzene	12.688	105	690031	48.369	ug/l	99
74) N-amyl acetate	12.488	43	222981	37.410	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.935	83	175792	40.109	ug/l	99
76) 1,2,3-Trichloropropane	12.988	75	192190m	46.007	ug/l	
77) Bromobenzene	12.976	156	167720	46.737	ug/l	93
78) n-propylbenzene	13.029	91	791249	48.330	ug/l	99
79) 2-Chlorotoluene	13.123	91	489179	45.954	ug/l	98
80) 1,3,5-Trimethylbenzene	13.170	105	552599	48.348	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.729	75	79049	47.755	ug/l	95
82) 4-Chlorotoluene	13.217	91	491460	46.600	ug/l	99
83) tert-Butylbenzene	13.435	119	481846	48.341	ug/l	98
84) 1,2,4-Trimethylbenzene	13.476	105	560668	49.260	ug/l	100
85) sec-Butylbenzene	13.612	105	668628	50.027	ug/l	99
86) p-Isopropyltoluene	13.723	119	569315	51.967	ug/l	98
87) 1,3-Dichlorobenzene	13.729	146	297215	47.828	ug/l	99
88) 1,4-Dichlorobenzene	13.806	146	299409	48.629	ug/l	98
89) n-Butylbenzene	14.053	91	475680	52.376	ug/l	99
90) Hexachloroethane	14.329	117	89947	49.484	ug/l	96
91) 1,2-Dichlorobenzene	14.100	146	278971	47.198	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.717	75	28359	39.059	ug/l	93
93) 1,2,4-Trichlorobenzene	15.388	180	135929	54.483	ug/l	99
94) Hexachlorobutadiene	15.500	225	54540	52.690	ug/l	96
95) Naphthalene	15.635	128	409943	47.322	ug/l	100
96) 1,2,3-Trichlorobenzene	15.835	180	125407	51.328	ug/l	99

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

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