

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060925\
 Data File : VN086911.D
 Acq On : 09 Jun 2025 17:17
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 06/10/2025
 Supervised By : Mahesh Dadoda 06/10/2025

Quant Time: Jun 10 03:36:49 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	8.229	168	236708	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	420058	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	361673	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	171846	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	151095	47.675	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	95.360%		
35) Dibromofluoromethane	8.177	113	129680	52.094	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	104.180%		
50) Toluene-d8	10.565	98	499965	50.734	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	101.460%		
62) 4-Bromofluorobenzene	12.847	95	182658	49.889	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	99.780%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.153	85	118146	50.059	ug/l	99
3) Chloromethane	2.395	50	127974	41.991	ug/l	100
4) Vinyl Chloride	2.553	62	151561	48.209	ug/l	100
5) Bromomethane	2.995	94	81229	46.171	ug/l	100
6) Chloroethane	3.153	64	96939	47.736	ug/l	93
7) Trichlorofluoromethane	3.530	101	201360	49.022	ug/l	97
8) Diethyl Ether	3.983	74	91879	51.339	ug/l	92
9) 1,1,2-Trichlorotrifluo...	4.400	101	123565	47.882	ug/l	99
10) Methyl Iodide	4.612	142	133936	40.037	ug/l	99
11) Tert butyl alcohol	5.536	59	189378	220.221	ug/l	100
12) 1,1-Dichloroethene	4.365	96	130373	49.484	ug/l	97
13) Acrolein	4.200	56	73143	268.707	ug/l	100
14) Allyl chloride	5.047	41	189080	43.274	ug/l	97
15) Acrylonitrile	5.736	53	475432	236.533	ug/l	100
16) Acetone	4.447	43	357830	212.908	ug/l	99
17) Carbon Disulfide	4.742	76	336096	46.119	ug/l	99
18) Methyl Acetate	5.041	43	226758	46.298	ug/l	97
19) Methyl tert-butyl Ether	5.812	73	474699	49.762	ug/l	99
20) Methylene Chloride	5.294	84	148574	47.218	ug/l	94
21) trans-1,2-Dichloroethene	5.806	96	139305	47.524	ug/l	95
22) Diisopropyl ether	6.688	45	431629	46.864	ug/l	97
23) Vinyl Acetate	6.618	43	1840663	236.538	ug/l	98
24) 1,1-Dichloroethane	6.583	63	255395	48.185	ug/l	99
25) 2-Butanone	7.494	43	609830	223.226	ug/l	95
26) 2,2-Dichloropropane	7.500	77	188220	45.651	ug/l	97
27) cis-1,2-Dichloroethene	7.494	96	173722	49.555	ug/l	96
28) Bromochloromethane	7.824	49	111761	42.885	ug/l	90
29) Tetrahydrofuran	7.847	42	397327	223.263	ug/l	95
30) Chloroform	7.977	83	254626	48.104	ug/l	99
31) Cyclohexane	8.265	56	211876	41.219	ug/l	93
32) 1,1,1-Trichloroethane	8.177	97	212823	47.273	ug/l	98
36) 1,1-Dichloropropene	8.382	75	182786	49.276	ug/l	99
37) Ethyl Acetate	7.571	43	216357	45.818	ug/l	97
38) Carbon Tetrachloride	8.371	117	180152	49.468	ug/l	95
39) Methylcyclohexane	9.606	83	216305	42.563	ug/l	95
40) Benzene	8.612	78	593973	48.968	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.788	41	120583	45.470	ug/l	93
42) 1,2-Dichloroethane	8.677	62	180979	49.191	ug/l	99
43) Isopropyl Acetate	8.694	43	351721	46.408	ug/l	96
44) Trichloroethene	9.359	130	148206	51.528	ug/l	97
45) 1,2-Dichloropropane	9.624	63	143932	48.774	ug/l	100
46) Dibromomethane	9.712	93	100752	51.401	ug/l	98
47) Bromodichloromethane	9.894	83	199966	49.584	ug/l	98
48) Methyl methacrylate	9.682	41	163795	46.955	ug/l	95
49) 1,4-Dioxane	9.706	88	62666	987.483	ug/l #	96
51) 4-Methyl-2-Pentanone	10.447	43	1102726	241.688	ug/l	97
52) Toluene	10.629	92	372743	50.283	ug/l	98
53) t-1,3-Dichloropropene	10.835	75	227518	50.452	ug/l	96
54) cis-1,3-Dichloropropene	10.312	75	239800	49.698	ug/l	97
55) 1,1,2-Trichloroethane	11.018	97	144074	50.511	ug/l	99
56) Ethyl methacrylate	10.876	69	246945	54.356	ug/l	94
57) 1,3-Dichloropropane	11.165	76	246620	49.842	ug/l	98
58) 2-Chloroethyl Vinyl ether	10.165	63	630783	232.785	ug/l	98
59) 2-Hexanone	11.200	43	749210	254.927	ug/l	92
60) Dibromochloromethane	11.359	129	157642	53.046	ug/l	100
61) 1,2-Dibromoethane	11.470	107	151234	51.729	ug/l	98
64) Tetrachloroethene	11.106	164	110856	48.432	ug/l	97
65) Chlorobenzene	11.894	112	406325	50.938	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.959	131	133877	52.211	ug/l	99
67) Ethyl Benzene	11.965	91	678406	49.375	ug/l	99
68) m/p-Xylenes	12.070	106	534450	101.613	ug/l	98
69) o-Xylene	12.400	106	260364	51.686	ug/l	96
70) Styrene	12.412	104	450190	52.227	ug/l	99
71) Bromoform	12.576	173	106042	55.815	ug/l #	100
73) Isopropylbenzene	12.694	105	620099	49.532	ug/l	99
74) N-amyl acetate	12.506	43	252846	57.797	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.935	83	222152	52.379	ug/l	99
76) 1,2,3-Trichloropropane	12.994	75	214947m	52.621	ug/l	
77) Bromobenzene	12.976	156	156843	54.629	ug/l	96
78) n-propylbenzene	13.035	91	734563	48.282	ug/l	99
79) 2-Chlorotoluene	13.123	91	453845	49.742	ug/l	97
80) 1,3,5-Trimethylbenzene	13.170	105	511955	49.531	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.735	75	95072	53.576	ug/l	91
82) 4-Chlorotoluene	13.217	91	461943	50.037	ug/l	98
83) tert-Butylbenzene	13.435	119	443059	46.828	ug/l	99
84) 1,2,4-Trimethylbenzene	13.482	105	520317	50.201	ug/l	99
85) sec-Butylbenzene	13.612	105	640017	46.581	ug/l	99
86) p-Isopropyltoluene	13.729	119	539030	47.459	ug/l	99
87) 1,3-Dichlorobenzene	13.729	146	288285	51.035	ug/l	100
88) 1,4-Dichlorobenzene	13.812	146	295752	51.354	ug/l	99
89) n-Butylbenzene	14.053	91	483251	43.927	ug/l	99
90) Hexachloroethane	14.329	117	93467	48.549	ug/l	100
91) 1,2-Dichlorobenzene	14.106	146	281872	51.939	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.717	75	49570	48.871	ug/l	91
93) 1,2,4-Trichlorobenzene	15.388	180	158810	45.826	ug/l	99
94) Hexachlorobutadiene	15.500	225	51579	39.949	ug/l	100
95) Naphthalene	15.635	128	691305	53.593	ug/l	100
96) 1,2,3-Trichlorobenzene	15.835	180	152993	44.434	ug/l	99

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

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