

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN070725\
 Data File : VN087293.D
 Acq On : 07 Jul 2025 16:18
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 07/08/2025
 Supervised By : Mahesh Dadoda 07/08/2025

Quant Time: Jul 08 01:34:38 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N063025W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 01 03:15:00 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.229	168	249517	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	401836	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	380138	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	220134	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	137250	43.828	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	87.660%		
35) Dibromofluoromethane	8.177	113	118550	46.075	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	92.140%		
50) Toluene-d8	10.565	98	439174	43.790	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	87.580%		
62) 4-Bromofluorobenzene	12.847	95	159294	44.640	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	89.280%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.153	85	124511	51.276	ug/l	99
3) Chloromethane	2.395	50	98698	50.056	ug/l	96
4) Vinyl Chloride	2.553	62	124015	51.158	ug/l	99
5) Bromomethane	2.989	94	106614	48.196	ug/l	95
6) Chloroethane	3.147	64	99060	51.590	ug/l	97
7) Trichlorofluoromethane	3.530	101	213065	50.652	ug/l	98
8) Diethyl Ether	3.983	74	68537	51.056	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.394	101	123678	50.642	ug/l	98
10) Methyl Iodide	4.612	142	142980	59.002	ug/l	97
11) Tert butyl alcohol	5.541	59	140122	245.514	ug/l	99
12) 1,1-Dichloroethene	4.371	96	117035	50.443	ug/l	97
13) Acrolein	4.200	56	124042	313.797	ug/l	98
14) Allyl chloride	5.041	41	139192	48.952	ug/l	99
15) Acrylonitrile	5.736	53	345388	243.083	ug/l	99
16) Acetone	4.441	43	305222	254.935	ug/l	99
17) Carbon Disulfide	4.741	76	323695	46.501	ug/l	99
18) Methyl Acetate	5.041	43	141490	51.623	ug/l	99
19) Methyl tert-butyl Ether	5.812	73	399289	49.104	ug/l	99
20) Methylene Chloride	5.288	84	130502	49.205	ug/l	97
21) trans-1,2-Dichloroethene	5.812	96	134050	47.814	ug/l	96
22) Diisopropyl ether	6.682	45	325321	47.785	ug/l	95
23) Vinyl Acetate	6.612	43	1520030	241.420	ug/l	100
24) 1,1-Dichloroethane	6.582	63	217658	48.796	ug/l	98
25) 2-Butanone	7.488	43	461605	246.714	ug/l	99
26) 2,2-Dichloropropane	7.500	77	213244	49.960	ug/l	98
27) cis-1,2-Dichloroethene	7.494	96	156672	48.390	ug/l	99
28) Bromochloromethane	7.818	49	88419	44.909	ug/l	98
29) Tetrahydrofuran	7.841	42	296472	245.898	ug/l	99
30) Chloroform	7.971	83	245684	49.693	ug/l	99
31) Cyclohexane	8.265	56	180672	42.363	ug/l	96
32) 1,1,1-Trichloroethane	8.171	97	224177	48.688	ug/l	99
36) 1,1-Dichloropropene	8.377	75	170914	48.847	ug/l	98
37) Ethyl Acetate	7.571	43	180248	47.921	ug/l	98
38) Carbon Tetrachloride	8.371	117	199140	50.228	ug/l	98
39) Methylcyclohexane	9.606	83	199619	47.906	ug/l	98
40) Benzene	8.612	78	524865	48.419	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.782	41	90118	50.109	ug/l	98
42) 1,2-Dichloroethane	8.676	62	173991	48.264	ug/l	99
43) Isopropyl Acetate	8.694	43	282888	48.497	ug/l	99
44) Trichloroethene	9.353	130	142721	49.549	ug/l	99
45) 1,2-Dichloropropane	9.623	63	119601	50.603	ug/l	94
46) Dibromomethane	9.712	93	99478	49.475	ug/l	99
47) Bromodichloromethane	9.888	83	192950	50.316	ug/l	97
48) Methyl methacrylate	9.682	41	124056	50.461	ug/l	98
49) 1,4-Dioxane	9.700	88	54727	1067.647	ug/l #	97
51) 4-Methyl-2-Pentanone	10.447	43	926853	259.697	ug/l	99
52) Toluene	10.629	92	355775	50.044	ug/l	99
53) t-1,3-Dichloropropene	10.835	75	205722	50.017	ug/l	93
54) cis-1,3-Dichloropropene	10.312	75	210584	50.252	ug/l	97
55) 1,1,2-Trichloroethane	11.018	97	134018	49.903	ug/l	98
56) Ethyl methacrylate	10.876	69	190107	48.317	ug/l	99
57) 1,3-Dichloropropane	11.165	76	214909	49.031	ug/l	97
58) 2-Chloroethyl Vinyl ether	10.159	63	508876	244.712	ug/l	99
59) 2-Hexanone	11.200	43	609706	238.495	ug/l	99
60) Dibromochloromethane	11.359	129	161740	51.090	ug/l	99
61) 1,2-Dibromoethane	11.470	107	146143	50.589	ug/l	99
64) Tetrachloroethene	11.106	164	125917	49.680	ug/l	97
65) Chlorobenzene	11.888	112	415792	48.746	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.959	131	149163	50.645	ug/l	100
67) Ethyl Benzene	11.959	91	688408	49.876	ug/l	98
68) m/p-Xylenes	12.070	106	568895	103.163	ug/l	98
69) o-Xylene	12.394	106	265270	51.424	ug/l	98
70) Styrene	12.412	104	455285	51.933	ug/l	99
71) Bromoform	12.576	173	119134	52.430	ug/l #	99
73) Isopropylbenzene	12.694	105	675924	47.654	ug/l	100
74) N-amyl acetate	12.512	43	200427m	42.969	ug/l	
75) 1,1,2,2-Tetrachloroethane	12.935	83	209737	44.954	ug/l	99
76) 1,2,3-Trichloropropane	12.988	75	207072m	49.455	ug/l	
77) Bromobenzene	12.976	156	179191	48.396	ug/l	98
78) n-propylbenzene	13.035	91	818262	47.758	ug/l	99
79) 2-Chlorotoluene	13.123	91	475307	46.614	ug/l	99
80) 1,3,5-Trimethylbenzene	13.170	105	589119	49.690	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.735	75	79116	44.383	ug/l	98
82) 4-Chlorotoluene	13.217	91	499009	46.750	ug/l	100
83) tert-Butylbenzene	13.435	119	496781	47.826	ug/l	99
84) 1,2,4-Trimethylbenzene	13.476	105	590462	49.717	ug/l	98
85) sec-Butylbenzene	13.611	105	715215	48.576	ug/l	99
86) p-Isopropyltoluene	13.729	119	627880	49.611	ug/l	99
87) 1,3-Dichlorobenzene	13.729	146	352447	47.798	ug/l	99
88) 1,4-Dichlorobenzene	13.811	146	360182	46.782	ug/l	99
89) n-Butylbenzene	14.053	91	522959	46.932	ug/l	100
90) Hexachloroethane	14.329	117	110743	47.273	ug/l	98
91) 1,2-Dichlorobenzene	14.106	146	326423	47.334	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.717	75	49509	44.157	ug/l	98
93) 1,2,4-Trichlorobenzene	15.388	180	186940	45.841	ug/l	99
94) Hexachlorobutadiene	15.494	225	50512	38.993	ug/l	98
95) Naphthalene	15.635	128	649799	46.056	ug/l	99
96) 1,2,3-Trichlorobenzene	15.835	180	181252	45.621	ug/l	99

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

