

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071725\
 Data File : VN087351.D
 Acq On : 17 Jul 2025 17:36
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Jul 18 01:30:04 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 17 02:56:13 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 07/18/2025
 Supervised By :Semsettin Yesilyurt 07/21/2025

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

Internal Standards						
1) Pentafluorobenzene	8.212	168	282655	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	522418	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	462752	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	232357	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.565	65	235684	49.141	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	98.280%		
35) Dibromofluoromethane	8.147	113	177566	49.274	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	98.540%		
50) Toluene-d8	10.547	98	644744	50.157	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	100.320%		
62) 4-Bromofluorobenzene	12.829	95	248697	52.366	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	104.740%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.142	85	152798	50.897	ug/l	97
3) Chloromethane	2.383	50	176738	46.815	ug/l	96
4) Vinyl Chloride	2.542	62	178272	47.516	ug/l	94
5) Bromomethane	2.971	94	98706	50.804	ug/l	96
6) Chloroethane	3.136	64	109535	44.767	ug/l	94
7) Trichlorofluoromethane	3.506	101	248446	44.783	ug/l	99
8) Diethyl Ether	3.959	74	105342	48.950	ug/l	94
9) 1,1,2-Trichlorotrifluo...	4.371	101	127071	44.619	ug/l	99
10) Methyl Iodide	4.583	142	179520	60.003	ug/l	96
11) Tert butyl alcohol	5.530	59	205327	225.469	ug/l	99
12) 1,1-Dichloroethene	4.330	96	139057	43.089	ug/l	93
13) Acrolein	4.171	56	175679	240.382	ug/l	100
14) Allyl chloride	5.012	41	256315	43.886	ug/l	99
15) Acrylonitrile	5.706	53	565825	228.969	ug/l	100
16) Acetone	4.424	43	451127	200.614	ug/l	94
17) Carbon Disulfide	4.700	76	429214	44.860	ug/l	94
18) Methyl Acetate	5.018	43	247196	43.754	ug/l	97
19) Methyl tert-butyl Ether	5.788	73	608838	51.183	ug/l	98
20) Methylene Chloride	5.265	84	177952	46.771	ug/l	94
21) trans-1,2-Dichloroethene	5.771	96	162404	44.631	ug/l	92
22) Diisopropyl ether	6.659	45	587795	47.979	ug/l	96
23) Vinyl Acetate	6.594	43	2719279	253.791	ug/l	97
24) 1,1-Dichloroethane	6.553	63	321690	45.514	ug/l	98
25) 2-Butanone	7.471	43	785951	226.205	ug/l	97
26) 2,2-Dichloropropane	7.471	77	231275	42.087	ug/l	100
27) cis-1,2-Dichloroethene	7.471	96	203334	48.535	ug/l	95
28) Bromochloromethane	7.794	49	164225	48.550	ug/l	97
29) Tetrahydrofuran	7.829	42	509500	225.728	ug/l	98
30) Chloroform	7.953	83	328927	46.495	ug/l	98
31) Cyclohexane	8.241	56	275507	46.726	ug/l	98
32) 1,1,1-Trichloroethane	8.153	97	283763	46.311	ug/l	98
36) 1,1-Dichloropropene	8.359	75	223138	46.868	ug/l	99
37) Ethyl Acetate	7.547	43	305616	44.446	ug/l	98
38) Carbon Tetrachloride	8.341	117	242462	46.230	ug/l	94
39) Methylcyclohexane	9.582	83	260204	50.481	ug/l	98
40) Benzene	8.588	78	710232	46.156	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.765	41	167083	46.472	ug/l	99
42) 1,2-Dichloroethane	8.653	62	260020	44.559	ug/l	99
43) Isopropyl Acetate	8.676	43	490492	45.952	ug/l	99
44) Trichloroethene	9.335	130	166611	45.824	ug/l	92
45) 1,2-Dichloropropane	9.606	63	180087	46.060	ug/l	96
46) Dibromomethane	9.688	93	132794	45.363	ug/l	97
47) Bromodichloromethane	9.871	83	264831	44.913	ug/l	94
48) Methyl methacrylate	9.665	41	229126	47.682	ug/l	96
49) 1,4-Dioxane	9.682	88	59120	803.276	ug/l #	96
51) 4-Methyl-2-Pentanone	10.429	43	1505059	222.937	ug/l	98
52) Toluene	10.612	92	439473	46.988	ug/l	98
53) t-1,3-Dichloropropene	10.818	75	288327	48.316	ug/l	94
54) cis-1,3-Dichloropropene	10.294	75	301221	48.866	ug/l	99
55) 1,1,2-Trichloroethane	11.000	97	172439	45.540	ug/l	93
56) Ethyl methacrylate	10.859	69	307340	48.353	ug/l	95
57) 1,3-Dichloropropane	11.147	76	309000	47.198	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.141	63	803086	258.545	ug/l	99
59) 2-Hexanone	11.176	43	1071882	239.310	ug/l	98
60) Dibromochloromethane	11.341	129	203584	47.144	ug/l	99
61) 1,2-Dibromoethane	11.453	107	184446	46.327	ug/l	97
64) Tetrachloroethene	11.088	164	136939	45.979	ug/l	96
65) Chlorobenzene	11.870	112	483756	46.564	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.941	131	170273	48.200	ug/l	99
67) Ethyl Benzene	11.941	91	832936	48.701	ug/l	100
68) m/p-Xylenes	12.053	106	638836	99.749	ug/l	98
69) o-Xylene	12.376	106	313152	51.188	ug/l	99
70) Styrene	12.394	104	524957	51.010	ug/l	98
71) Bromoform	12.559	173	137302	48.109	ug/l #	97
73) Isopropylbenzene	12.676	105	786360	53.771	ug/l	99
74) N-amyl acetate	12.494	43	306162m	50.389	ug/l	
75) 1,1,2,2-Tetrachloroethane	12.917	83	259083	47.082	ug/l	100
76) 1,2,3-Trichloropropane	12.976	75	255438m	49.024	ug/l	
77) Bromobenzene	12.959	156	193932	51.133	ug/l	98
78) n-propylbenzene	13.017	91	939436	51.058	ug/l	98
79) 2-Chlorotoluene	13.106	91	578079	51.122	ug/l	98
80) 1,3,5-Trimethylbenzene	13.153	105	666584	53.498	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.717	75	95998	50.412	ug/l	89
82) 4-Chlorotoluene	13.200	91	584529	49.650	ug/l	99
83) tert-Butylbenzene	13.417	119	567743	54.556	ug/l	99
84) 1,2,4-Trimethylbenzene	13.459	105	668429	52.531	ug/l	99
85) sec-Butylbenzene	13.594	105	810392	51.699	ug/l	99
86) p-Isopropyltoluene	13.706	119	690717	54.984	ug/l	99
87) 1,3-Dichlorobenzene	13.711	146	360660	48.453	ug/l	100
88) 1,4-Dichlorobenzene	13.788	146	367994	46.289	ug/l	99
89) n-Butylbenzene	14.035	91	622051	51.858	ug/l	98
90) Hexachloroethane	14.311	117	131824	49.528	ug/l	100
91) 1,2-Dichlorobenzene	14.088	146	352196	49.945	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.700	75	62418	43.204	ug/l	94
93) 1,2,4-Trichlorobenzene	15.370	180	212184	51.225	ug/l	98
94) Hexachlorobutadiene	15.476	225	81890	53.205	ug/l	99
95) Naphthalene	15.617	128	806646	54.970	ug/l	99
96) 1,2,3-Trichlorobenzene	15.817	180	212627	51.173	ug/l	99

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

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