

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082825\
 Data File : VN087676.D
 Acq On : 28 Aug 2025 11:33
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Quant Time: Aug 29 03:14:24 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 22 02:55:42 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 08/29/2025
 Supervised By : Semsettin Yesilyurt 08/29/2025

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

Internal Standards						
1) Pentafluorobenzene	8.206	168	200815	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.083	114	393512	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	367312	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.771	152	185443	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	222988	54.196	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 108.400%			
35) Dibromofluoromethane	8.147	113	156925	55.233	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 110.460%			
50) Toluene-d8	10.541	98	583324	54.855	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 109.720%			
62) 4-Bromofluorobenzene	12.829	95	210198	55.582	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 111.160%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.142	85	158108	55.435	ug/l	95
3) Chloromethane	2.383	50	157396	53.699	ug/l	98
4) Vinyl Chloride	2.536	62	179683	52.872	ug/l	98
5) Bromomethane	2.971	94	89371	50.966	ug/l	97
6) Chloroethane	3.130	64	123483	51.697	ug/l	97
7) Trichlorofluoromethane	3.507	101	273675	54.965	ug/l	98
8) Diethyl Ether	3.959	74	107015	49.351	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.365	101	144936	51.443	ug/l	98
10) Methyl Iodide	4.571	142	82113	40.497	ug/l	98
11) Tert butyl alcohol	5.518	59	171975	240.765	ug/l	100
12) 1,1-Dichloroethene	4.330	96	145235	50.163	ug/l	95
13) Acrolein	4.177	56	227887	259.517	ug/l	99
14) Allyl chloride	5.006	41	217499	41.455	ug/l	94
15) Acrylonitrile	5.701	53	503150	249.769	ug/l	99
16) Acetone	4.418	43	491566	219.470	ug/l	100
17) Carbon Disulfide	4.701	76	385041	48.308	ug/l	97
18) Methyl Acetate	5.018	43	263020	56.085	ug/l	99
19) Methyl tert-butyl Ether	5.789	73	549898	50.629	ug/l	96
20) Methylene Chloride	5.259	84	165393	51.079	ug/l	98
21) trans-1,2-Dichloroethene	5.771	96	150429	47.940	ug/l	93
22) Diisopropyl ether	6.659	45	588143	51.946	ug/l	97
23) Vinyl Acetate	6.589	43	2553306	247.874	ug/l	100
24) 1,1-Dichloroethane	6.553	63	305398	49.195	ug/l	97
25) 2-Butanone	7.465	43	710465	241.104	ug/l	98
26) 2,2-Dichloropropane	7.471	77	124906	23.443	ug/l	93
27) cis-1,2-Dichloroethene	7.471	96	183644	48.956	ug/l	97
28) Bromochloromethane	7.794	49	151748	50.563	ug/l	100
29) Tetrahydrofuran	7.824	42	480840	253.557	ug/l	98
30) Chloroform	7.947	83	324876	51.272	ug/l	99
31) Cyclohexane	8.236	56	252621	48.814	ug/l	97
32) 1,1,1-Trichloroethane	8.147	97	273237	50.884	ug/l	98
36) 1,1-Dichloropropene	8.353	75	215696	49.487	ug/l	99
37) Ethyl Acetate	7.547	43	290413	48.759	ug/l	98
38) Carbon Tetrachloride	8.342	117	228899	53.190	ug/l	93
39) Methylcyclohexane	9.583	83	233948	48.753	ug/l	93
40) Benzene	8.589	78	684914	51.233	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.759	41	154717	50.147	ug/l	99
42) 1,2-Dichloroethane	8.647	62	263313	51.255	ug/l	98
43) Isopropyl Acetate	8.671	43	476217	51.212	ug/l	99
44) Trichloroethene	9.330	130	150098	49.177	ug/l	93
45) 1,2-Dichloropropane	9.600	63	173951	49.364	ug/l	97
46) Dibromomethane	9.688	93	129455	51.624	ug/l	100
47) Bromodichloromethane	9.865	83	264350	51.437	ug/l	97
48) Methyl methacrylate	9.659	41	226591	51.516	ug/l	98
49) 1,4-Dioxane	9.677	88	61326	1075.707	ug/l #	97
51) 4-Methyl-2-Pentanone	10.424	43	1499897	267.341	ug/l	99
52) Toluene	10.606	92	427963	51.637	ug/l	98
53) t-1,3-Dichloropropene	10.812	75	243407	45.756	ug/l	98
54) cis-1,3-Dichloropropene	10.294	75	254431	46.063	ug/l	96
55) 1,1,2-Trichloroethane	10.994	97	165700	51.683	ug/l	97
56) Ethyl methacrylate	10.853	69	278715	54.397	ug/l	97
57) 1,3-Dichloropropane	11.141	76	299771	52.831	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.141	63	714693	257.710	ug/l	100
59) 2-Hexanone	11.177	43	1016103	286.566	ug/l	100
60) Dibromochloromethane	11.335	129	190216	51.204	ug/l	100
61) 1,2-Dibromoethane	11.447	107	172136	50.918	ug/l	100
64) Tetrachloroethene	11.083	164	131848	51.738	ug/l	93
65) Chlorobenzene	11.871	112	456729	49.980	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.935	131	161756	53.319	ug/l	99
67) Ethyl Benzene	11.941	91	817830	51.689	ug/l	99
68) m/p-Xylenes	12.047	106	604027	104.095	ug/l	98
69) o-Xylene	12.377	106	294498	51.788	ug/l	99
70) Styrene	12.388	104	517502	54.320	ug/l	99
71) Bromoform	12.559	173	122193	52.519	ug/l #	98
73) Isopropylbenzene	12.671	105	768116	51.259	ug/l	100
74) N-amyl acetate	12.494	43	274912m	48.410	ug/l	
75) 1,1,2,2-Tetrachloroethane	12.918	83	264952	51.356	ug/l	100
76) 1,2,3-Trichloropropane	12.971	75	211262m	48.580	ug/l	
77) Bromobenzene	12.959	156	178089	50.404	ug/l	99
78) n-propylbenzene	13.012	91	957714	51.887	ug/l	100
79) 2-Chlorotoluene	13.100	91	573787	51.657	ug/l	99
80) 1,3,5-Trimethylbenzene	13.153	105	655962	51.601	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.718	75	66012	40.186	ug/l	86
82) 4-Chlorotoluene	13.200	91	584857	50.080	ug/l	97
83) tert-Butylbenzene	13.412	119	562477	53.098	ug/l	99
84) 1,2,4-Trimethylbenzene	13.459	105	674684	53.018	ug/l	100
85) sec-Butylbenzene	13.594	105	821536	52.260	ug/l	100
86) p-Isopropyltoluene	13.706	119	672819	51.831	ug/l	99
87) 1,3-Dichlorobenzene	13.712	146	349988	50.301	ug/l	99
88) 1,4-Dichlorobenzene	13.788	146	356790	49.275	ug/l	99
89) n-Butylbenzene	14.035	91	650921	50.490	ug/l	100
90) Hexachloroethane	14.312	117	135641	54.847	ug/l	100
91) 1,2-Dichlorobenzene	14.082	146	336552	50.985	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.694	75	59956	48.921	ug/l	97
93) 1,2,4-Trichlorobenzene	15.365	180	193202	48.741	ug/l	98
94) Hexachlorobutadiene	15.476	225	66276	46.900	ug/l	99
95) Naphthalene	15.612	128	702614	50.044	ug/l	100
96) 1,2,3-Trichlorobenzene	15.812	180	189286	48.847	ug/l	100

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

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