

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN090225\
 Data File : VN087703.D
 Acq On : 02 Sep 2025 10:04
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Quant Time: Sep 03 01:15:02 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 09/03/2025
 Supervised By : Semsettin Yesilyurt 09/03/2025

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

Internal Standards						
1) Pentafluorobenzene	8.206	168	244016	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	467317	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	425183	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	216198	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	220317	44.067	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	88.140%		
35) Dibromofluoromethane	8.147	113	152845	45.301	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	90.600%		
50) Toluene-d8	10.547	98	570786	45.199	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	90.400%		
62) 4-Bromofluorobenzene	12.829	95	204245	45.478	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	90.960%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.142	85	160365	46.272	ug/l	100
3) Chloromethane	2.383	50	158011	44.365	ug/l	99
4) Vinyl Chloride	2.536	62	183687	44.481	ug/l	91
5) Bromomethane	2.971	94	94402	44.304	ug/l	98
6) Chloroethane	3.130	64	123484	42.545	ug/l	99
7) Trichlorofluoromethane	3.506	101	274894	45.435	ug/l	97
8) Diethyl Ether	3.959	74	116800	44.327	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.365	101	149791	43.754	ug/l	99
10) Methyl Iodide	4.583	142	101364	41.033	ug/l	99
11) Tert butyl alcohol	5.524	59	197974	228.094	ug/l	98
12) 1,1-Dichloroethene	4.336	96	150720	42.841	ug/l	99
13) Acrolein	4.171	56	202298	189.590	ug/l	98
14) Allyl chloride	5.012	41	302397	47.432	ug/l	91
15) Acrylonitrile	5.706	53	536307	219.095	ug/l	98
16) Acetone	4.418	43	583928	214.551	ug/l	95
17) Carbon Disulfide	4.706	76	397106	41.001	ug/l	96
18) Methyl Acetate	5.018	43	269026	47.210	ug/l	99
19) Methyl tert-butyl Ether	5.783	73	599795	45.447	ug/l	100
20) Methylene Chloride	5.265	84	175761	44.512	ug/l	92
21) trans-1,2-Dichloroethene	5.771	96	156355	41.007	ug/l	97
22) Diisopropyl ether	6.653	45	620848	45.126	ug/l	98
23) Vinyl Acetate	6.588	43	2801917	223.852	ug/l	100
24) 1,1-Dichloroethane	6.553	63	332257	44.046	ug/l	96
25) 2-Butanone	7.465	43	778303	217.364	ug/l	99
26) 2,2-Dichloropropane	7.471	77	289916	44.780	ug/l	100
27) cis-1,2-Dichloroethene	7.471	96	200440	43.973	ug/l	98
28) Bromochloromethane	7.794	49	156005	42.779	ug/l	98
29) Tetrahydrofuran	7.824	42	487301	211.470	ug/l	99
30) Chloroform	7.947	83	344103	44.692	ug/l	95
31) Cyclohexane	8.235	56	260414	41.411	ug/l	96
32) 1,1,1-Trichloroethane	8.147	97	284226	43.559	ug/l	99
36) 1,1-Dichloropropene	8.353	75	222613	43.007	ug/l	99
37) Ethyl Acetate	7.541	43	302224	42.729	ug/l	96
38) Carbon Tetrachloride	8.341	117	237266	46.426	ug/l	90
39) Methylcyclohexane	9.576	83	246125	43.190	ug/l	99
40) Benzene	8.588	78	714089	44.979	ug/l	97

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 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M
 Quant Title : SW846 8260
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.759	41	163043	44.500	ug/l	99
42) 1,2-Dichloroethane	8.653	62	269079	44.105	ug/l	99
43) Isopropyl Acetate	8.671	43	503109	45.559	ug/l	100
44) Trichloroethene	9.335	130	160416	44.257	ug/l	100
45) 1,2-Dichloropropane	9.600	63	182087	43.512	ug/l	100
46) Dibromomethane	9.688	93	135416	45.473	ug/l	99
47) Bromodichloromethane	9.865	83	287856	47.165	ug/l	94
48) Methyl methacrylate	9.665	41	231628	44.344	ug/l	98
49) 1,4-Dioxane	9.682	88	69818	1031.248	ug/l #	100
51) 4-Methyl-2-Pentanone	10.423	43	1541175	231.314	ug/l	99
52) Toluene	10.606	92	437909	44.493	ug/l	99
53) t-1,3-Dichloropropene	10.812	75	301552	47.734	ug/l	100
54) cis-1,3-Dichloropropene	10.294	75	312123	47.583	ug/l	99
55) 1,1,2-Trichloroethane	10.994	97	172752	45.372	ug/l	96
56) Ethyl methacrylate	10.853	69	303342	49.853	ug/l	99
57) 1,3-Dichloropropane	11.141	76	305978	45.409	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.141	63	822651	249.789	ug/l	99
59) 2-Hexanone	11.176	43	1068256	253.693	ug/l	100
60) Dibromochloromethane	11.341	129	205674	46.621	ug/l	97
61) 1,2-Dibromoethane	11.447	107	186571	46.472	ug/l	99
64) Tetrachloroethene	11.076	164	126274	42.807	ug/l	95
65) Chlorobenzene	11.870	112	486069	45.951	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.941	131	170429	48.532	ug/l	98
67) Ethyl Benzene	11.941	91	855149	46.692	ug/l	99
68) m/p-Xylenes	12.053	106	638678	95.086	ug/l	99
69) o-Xylene	12.376	106	311931	47.388	ug/l	99
70) Styrene	12.388	104	546567	49.562	ug/l	99
71) Bromoform	12.559	173	131310	48.755	ug/l #	98
73) Isopropylbenzene	12.670	105	803751	46.007	ug/l	100
74) N-amyl acetate	12.494	43	309573m	46.759	ug/l	
75) 1,1,2,2-Tetrachloroethane	12.917	83	280111	46.571	ug/l	98
76) 1,2,3-Trichloropropane	12.970	75	254715m	50.240	ug/l	
77) Bromobenzene	12.959	156	189549	46.016	ug/l	99
78) n-propylbenzene	13.011	91	992637	46.128	ug/l	100
79) 2-Chlorotoluene	13.106	91	596779	46.084	ug/l	100
80) 1,3,5-Trimethylbenzene	13.153	105	681082	45.956	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.717	75	95794	50.021	ug/l	83
82) 4-Chlorotoluene	13.200	91	611619	44.921	ug/l	98
83) tert-Butylbenzene	13.411	119	575713	46.616	ug/l	98
84) 1,2,4-Trimethylbenzene	13.459	105	702180	47.329	ug/l	99
85) sec-Butylbenzene	13.594	105	836575	45.646	ug/l	99
86) p-Isopropyltoluene	13.706	119	700419	46.282	ug/l	99
87) 1,3-Dichlorobenzene	13.711	146	370043	45.618	ug/l	98
88) 1,4-Dichlorobenzene	13.788	146	375628	44.497	ug/l	98
89) n-Butylbenzene	14.029	91	675260	44.927	ug/l	99
90) Hexachloroethane	14.306	117	136569	47.367	ug/l	97
91) 1,2-Dichlorobenzene	14.082	146	353771	45.970	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.700	75	60768	42.530	ug/l	97
93) 1,2,4-Trichlorobenzene	15.364	180	208099	45.031	ug/l	99
94) Hexachlorobutadiene	15.470	225	65828	39.956	ug/l	98
95) Naphthalene	15.611	128	744471	45.482	ug/l	100
96) 1,2,3-Trichlorobenzene	15.811	180	201248	44.546	ug/l	99

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

