

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061125\
 Data File : VN086940.D
 Acq On : 11 Jun 2025 11:32
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Quant Time: Jun 12 01:28:53 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

Manual Integrations APPROVED

Reviewed By : John Carlone 06/12/2025
 Supervised By : Semsettin Yesilyurt 06/12/2025

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	205098	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	357643	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	312173	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	152136	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	127629	46.478	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	92.960%		
35) Dibromofluoromethane	8.177	113	110532	52.151	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	104.300%		
50) Toluene-d8	10.565	98	422391	50.342	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	100.680%		
62) 4-Bromofluorobenzene	12.847	95	157388	50.489	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	100.980%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.154	85	110255	53.916	ug/l	100
3) Chloromethane	2.395	50	113731	43.069	ug/l	94
4) Vinyl Chloride	2.554	62	143755	52.773	ug/l	99
5) Bromomethane	2.989	94	63914	41.928	ug/l	96
6) Chloroethane	3.154	64	93702	53.253	ug/l	99
7) Trichlorofluoromethane	3.524	101	190657	53.570	ug/l	99
8) Diethyl Ether	3.983	74	85722	55.281	ug/l	95
9) 1,1,2-Trichlorotrifluo...	4.401	101	119322	53.364	ug/l	99
10) Methyl Iodide	4.618	142	115825	39.959	ug/l	97
11) Tert butyl alcohol	5.542	59	183049	245.667	ug/l	99
12) 1,1-Dichloroethene	4.365	96	121690	53.307	ug/l	94
13) Acrolein	4.201	56	68006	288.340	ug/l	99
14) Allyl chloride	5.048	41	187099	49.420	ug/l	96
15) Acrylonitrile	5.736	53	456903	262.349	ug/l	99
16) Acetone	4.442	43	393802	270.423	ug/l	97
17) Carbon Disulfide	4.736	76	308706	48.889	ug/l	100
18) Methyl Acetate	5.042	43	222452	52.419	ug/l	98
19) Methyl tert-butyl Ether	5.812	73	445459	53.894	ug/l	98
20) Methylene Chloride	5.295	84	138117	50.660	ug/l	95
21) trans-1,2-Dichloroethene	5.806	96	129921	51.154	ug/l	98
22) Diisopropyl ether	6.683	45	412097	51.639	ug/l	99
23) Vinyl Acetate	6.618	43	1766271	261.960	ug/l	98
24) 1,1-Dichloroethane	6.589	63	241575	52.602	ug/l	99
25) 2-Butanone	7.489	43	582343	246.018	ug/l	95
26) 2,2-Dichloropropane	7.506	77	215080	60.206	ug/l	99
27) cis-1,2-Dichloroethene	7.500	96	162658	53.551	ug/l	98
28) Bromochloromethane	7.824	49	118461	52.462	ug/l	95
29) Tetrahydrofuran	7.847	42	380103	246.502	ug/l	96
30) Chloroform	7.977	83	241191	52.589	ug/l	98
31) Cyclohexane	8.265	56	208644	46.846	ug/l	97
32) 1,1,1-Trichloroethane	8.177	97	200139	51.307	ug/l	97
36) 1,1-Dichloropropene	8.377	75	172642	54.664	ug/l	99
37) Ethyl Acetate	7.571	43	211755	52.670	ug/l	99
38) Carbon Tetrachloride	8.371	117	168940	54.485	ug/l	94
39) Methylcyclohexane	9.606	83	206018	47.613	ug/l	96
40) Benzene	8.612	78	555597	53.798	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.789	41	115191	51.017	ug/l	93
42) 1,2-Dichloroethane	8.677	62	168630	53.833	ug/l	99
43) Isopropyl Acetate	8.694	43	338399	52.442	ug/l	97
44) Trichloroethene	9.353	130	136748	55.842	ug/l	98
45) 1,2-Dichloropropane	9.624	63	137250	54.626	ug/l	100
46) Dibromomethane	9.712	93	94620	56.697	ug/l	99
47) Bromodichloromethane	9.888	83	190362	55.440	ug/l	100
48) Methyl methacrylate	9.683	41	154138	51.898	ug/l	96
49) 1,4-Dioxane	9.700	88	60969	1128.409	ug/l #	96
51) 4-Methyl-2-Pentanone	10.447	43	1054797	271.529	ug/l	98
52) Toluene	10.630	92	349873	55.435	ug/l	98
53) t-1,3-Dichloropropene	10.835	75	217752	56.714	ug/l	100
54) cis-1,3-Dichloropropene	10.312	75	236296	57.518	ug/l	97
55) 1,1,2-Trichloroethane	11.018	97	137099	56.454	ug/l	99
56) Ethyl methacrylate	10.877	69	231226	59.778	ug/l	95
57) 1,3-Dichloropropane	11.165	76	232746	55.247	ug/l	98
58) 2-Chloroethyl Vinyl ether	10.159	63	665780	288.579	ug/l	99
59) 2-Hexanone	11.200	43	705660	282.011	ug/l	97
60) Dibromochloromethane	11.359	129	148069	58.520	ug/l	99
61) 1,2-Dibromoethane	11.471	107	137779	55.351	ug/l	99
64) Tetrachloroethene	11.106	164	105084	53.190	ug/l	95
65) Chlorobenzene	11.888	112	381598	55.424	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.959	131	124964	56.463	ug/l	99
67) Ethyl Benzene	11.965	91	642857	54.206	ug/l	99
68) m/p-Xylenes	12.071	106	500895	110.334	ug/l	99
69) o-Xylene	12.400	106	244038	56.127	ug/l	98
70) Styrene	12.412	104	424060	56.996	ug/l	100
71) Bromoform	12.576	173	99616	60.747	ug/l #	100
73) Isopropylbenzene	12.694	105	593080	53.511	ug/l	99
74) N-amyl acetate	12.512	43	208229	53.765	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.935	83	213329	56.816	ug/l	99
76) 1,2,3-Trichloropropane	12.994	75	179987m	49.771	ug/l	
77) Bromobenzene	12.976	156	146181	57.512	ug/l	98
78) n-propylbenzene	13.035	91	717012	53.234	ug/l	99
79) 2-Chlorotoluene	13.123	91	439522	54.413	ug/l	98
80) 1,3,5-Trimethylbenzene	13.171	105	490727	53.628	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.735	75	93790	59.701	ug/l #	87
82) 4-Chlorotoluene	13.218	91	446237	54.598	ug/l	99
83) tert-Butylbenzene	13.435	119	448106	53.498	ug/l	97
84) 1,2,4-Trimethylbenzene	13.482	105	495936	54.048	ug/l	99
85) sec-Butylbenzene	13.612	105	617792	50.788	ug/l	99
86) p-Isopropyltoluene	13.729	119	524440	52.156	ug/l	98
87) 1,3-Dichlorobenzene	13.729	146	280357	56.062	ug/l	99
88) 1,4-Dichlorobenzene	13.812	146	287122	56.315	ug/l	99
89) n-Butylbenzene	14.053	91	477306	49.007	ug/l	100
90) Hexachloroethane	14.329	117	89886	52.738	ug/l	99
91) 1,2-Dichlorobenzene	14.106	146	267932	55.766	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.717	75	47326	52.704	ug/l	92
93) 1,2,4-Trichlorobenzene	15.388	180	160030	52.161	ug/l	99
94) Hexachlorobutadiene	15.500	225	51073	44.682	ug/l	99
95) Naphthalene	15.635	128	624421	54.679	ug/l	100
96) 1,2,3-Trichlorobenzene	15.835	180	151411	49.672	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

