

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091125\
 Data File : VN087792.D
 Acq On : 11 Sep 2025 12:49
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Quant Time: Sep 12 02:49:38 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 :Semsettin Yesilyurt 09/12/2025
 Supervised By :Mahesh Dadoda 09/12/2025

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

Internal Standards						
1) Pentafluorobenzene	8.206	168	284150	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	535670	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	504865	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	262340	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.559	65	249477	42.851	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	85.700%
35) Dibromofluoromethane	8.147	113	185412	47.941	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	95.880%
50) Toluene-d8	10.547	98	660736	45.645	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	91.300%
62) 4-Bromofluorobenzene	12.823	95	247012	47.983	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	95.960%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.142	85	181388	44.946	ug/l	97
3) Chloromethane	2.383	50	207559	50.045	ug/l	98
4) Vinyl Chloride	2.536	62	222029	46.171	ug/l	99
5) Bromomethane	2.965	94	132942	53.579	ug/l	97
6) Chloroethane	3.136	64	152292	45.059	ug/l	100
7) Trichlorofluoromethane	3.506	101	321511	45.634	ug/l	100
8) Diethyl Ether	3.959	74	137517	44.818	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.359	101	169597	42.542	ug/l	95
10) Methyl Iodide	4.583	142	165967	54.929	ug/l	98
11) Tert butyl alcohol	5.530	59	224500	222.122	ug/l	98
12) 1,1-Dichloroethene	4.336	96	182822	44.626	ug/l	94
13) Acrolein	4.177	56	256486	206.423	ug/l	99
14) Allyl chloride	5.012	41	304037	40.954	ug/l	96
15) Acrylonitrile	5.706	53	620170	217.570	ug/l	100
16) Acetone	4.418	43	753469	237.743	ug/l	98
17) Carbon Disulfide	4.700	76	520462	46.148	ug/l	99
18) Methyl Acetate	5.018	43	281129	42.366	ug/l	97
19) Methyl tert-butyl Ether	5.789	73	692449	45.056	ug/l	97
20) Methylene Chloride	5.265	84	214573	46.727	ug/l	97
21) trans-1,2-Dichloroethene	5.777	96	195886	44.119	ug/l	92
22) Diisopropyl ether	6.659	45	707312	44.150	ug/l	97
23) Vinyl Acetate	6.588	43	3325708	228.171	ug/l	99
24) 1,1-Dichloroethane	6.553	63	384760	43.802	ug/l	96
25) 2-Butanone	7.471	43	933175	223.807	ug/l	99
26) 2,2-Dichloropropane	7.471	77	336947	44.693	ug/l	100
27) cis-1,2-Dichloroethene	7.465	96	239941	45.204	ug/l	99
28) Bromochloromethane	7.794	49	168760	39.740	ug/l	92
29) Tetrahydrofuran	7.824	42	578660	215.648	ug/l	98
30) Chloroform	7.947	83	401794	44.814	ug/l	99
31) Cyclohexane	8.235	56	301706	41.201	ug/l	91
32) 1,1,1-Trichloroethane	8.153	97	335590	44.167	ug/l	97
36) 1,1-Dichloropropene	8.353	75	264437	44.569	ug/l	98
37) Ethyl Acetate	7.547	43	368073	45.398	ug/l	100
38) Carbon Tetrachloride	8.341	117	283133	48.332	ug/l	90
39) Methylcyclohexane	9.582	83	293999	45.007	ug/l	97
40) Benzene	8.588	78	858914	47.198	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.759	41	188183	44.808	ug/l	99
42) 1,2-Dichloroethane	8.653	62	319686	45.714	ug/l	100
43) Isopropyl Acetate	8.671	43	583755	46.117	ug/l	99
44) Trichloroethene	9.335	130	198236	47.713	ug/l	92
45) 1,2-Dichloropropane	9.600	63	212934	44.390	ug/l	97
46) Dibromomethane	9.688	93	162883	47.717	ug/l	96
47) Bromodichloromethane	9.865	83	327313	46.787	ug/l	96
48) Methyl methacrylate	9.665	41	274379	45.826	ug/l	97
49) 1,4-Dioxane	9.677	88	83037	1069.995	ug/l #	99
51) 4-Methyl-2-Pentanone	10.424	43	1803495	236.145	ug/l	99
52) Toluene	10.612	92	531341	47.097	ug/l	100
53) t-1,3-Dichloropropene	10.812	75	347852	48.036	ug/l	100
54) cis-1,3-Dichloropropene	10.294	75	360480	47.943	ug/l	99
55) 1,1,2-Trichloroethane	10.994	97	207496	47.544	ug/l	97
56) Ethyl methacrylate	10.853	69	343185	49.204	ug/l	98
57) 1,3-Dichloropropane	11.141	76	365248	47.288	ug/l	98
58) 2-Chloroethyl Vinyl ether	10.141	63	837652	221.889	ug/l	97
59) 2-Hexanone	11.176	43	1258939	260.827	ug/l	99
60) Dibromochloromethane	11.335	129	249655	49.369	ug/l	97
61) 1,2-Dibromoethane	11.447	107	221365	48.103	ug/l	99
64) Tetrachloroethene	11.082	164	157628	45.002	ug/l	94
65) Chlorobenzene	11.871	112	590877	47.043	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.941	131	206634	49.555	ug/l	98
67) Ethyl Benzene	11.941	91	1020084	46.907	ug/l	98
68) m/p-Xylenes	12.047	106	781695	98.010	ug/l	97
69) o-Xylene	12.376	106	374264	47.884	ug/l	99
70) Styrene	12.388	104	652339	49.818	ug/l	99
71) Bromoform	12.559	173	167953	52.519	ug/l	96
73) Isopropylbenzene	12.676	105	957513	45.168	ug/l	99
74) N-amyl acetate	12.500	43	379242m	47.207	ug/l	
75) 1,1,2,2-Tetrachloroethane	12.917	83	327385	44.857	ug/l	99
76) 1,2,3-Trichloropropane	12.970	75	304527m	49.500	ug/l	
77) Bromobenzene	12.959	156	235651	47.146	ug/l	96
78) n-propylbenzene	13.012	91	1203726	46.099	ug/l	99
79) 2-Chlorotoluene	13.106	91	714049	45.441	ug/l	100
80) 1,3,5-Trimethylbenzene	13.153	105	834809	46.421	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.717	75	116867	50.291	ug/l #	81
82) 4-Chlorotoluene	13.200	91	736849	44.600	ug/l	96
83) tert-Butylbenzene	13.417	119	703804	46.965	ug/l	97
84) 1,2,4-Trimethylbenzene	13.459	105	848197	47.116	ug/l	99
85) sec-Butylbenzene	13.594	105	1025732	46.124	ug/l	99
86) p-Isopropyltoluene	13.706	119	874904	47.643	ug/l	99
87) 1,3-Dichlorobenzene	13.712	146	462701	47.008	ug/l	98
88) 1,4-Dichlorobenzene	13.788	146	467232	45.613	ug/l	99
89) n-Butylbenzene	14.029	91	846984	46.441	ug/l	100
90) Hexachloroethane	14.312	117	172402	49.278	ug/l	94
91) 1,2-Dichlorobenzene	14.082	146	441941	47.326	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.700	75	75274	43.416	ug/l	93
93) 1,2,4-Trichlorobenzene	15.364	180	266753	47.571	ug/l	100
94) Hexachlorobutadiene	15.470	225	100017	50.030	ug/l	99
95) Naphthalene	15.611	128	928256	46.735	ug/l	99
96) 1,2,3-Trichlorobenzene	15.811	180	260894	47.592	ug/l	99

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

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