

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN090525\
 Data File : VN087733.D
 Acq On : 05 Sep 2025 11:12
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 09/08/2025
 Supervised By :Semsettin Yesilyurt 09/08/2025

Quant Time: Sep 06 01:01:11 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

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

Internal Standards						
1) Pentafluorobenzene	8.206	168	218341	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	424360	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	402403	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	206857	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	220146	49.211	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	98.420%
35) Dibromofluoromethane	8.153	113	158313	51.671	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	103.340%
50) Toluene-d8	10.547	98	575297	50.168	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	100.340%
62) 4-Bromofluorobenzene	12.829	95	206642	50.670	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	101.340%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.142	85	142892	46.079	ug/l	97
3) Chloromethane	2.383	50	155792	48.886	ug/l	97
4) Vinyl Chloride	2.536	62	175142	47.399	ug/l	97
5) Bromomethane	2.971	94	103085	54.068	ug/l	100
6) Chloroethane	3.130	64	119819	46.137	ug/l	98
7) Trichlorofluoromethane	3.506	101	265276	49.001	ug/l	93
8) Diethyl Ether	3.959	74	114706	48.652	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.365	101	144573	47.195	ug/l	99
10) Methyl Iodide	4.577	142	101637	45.160	ug/l	95
11) Tert butyl alcohol	5.524	59	202873	261.224	ug/l	99
12) 1,1-Dichloroethene	4.336	96	142282	45.199	ug/l	92
13) Acrolein	4.171	56	281931	295.290	ug/l	98
14) Allyl chloride	5.012	41	248645	43.587	ug/l	98
15) Acrylonitrile	5.706	53	527501	240.838	ug/l	99
16) Acetone	4.418	43	601288	246.909	ug/l	97
17) Carbon Disulfide	4.700	76	354432	40.898	ug/l	99
18) Methyl Acetate	5.018	43	281338	55.176	ug/l	99
19) Methyl tert-butyl Ether	5.783	73	565549	47.891	ug/l	96
20) Methylene Chloride	5.265	84	166301	47.141	ug/l	95
21) trans-1,2-Dichloroethene	5.771	96	146808	43.031	ug/l	97
22) Diisopropyl ether	6.659	45	590909	48.001	ug/l	97
23) Vinyl Acetate	6.588	43	2688673	240.064	ug/l	99
24) 1,1-Dichloroethane	6.553	63	309295	45.824	ug/l	97
25) 2-Butanone	7.471	43	776704	242.425	ug/l	98
26) 2,2-Dichloropropane	7.471	77	271879	46.932	ug/l	98
27) cis-1,2-Dichloroethene	7.471	96	189107	46.366	ug/l	98
28) Bromochloromethane	7.794	49	162460	49.787	ug/l	99
29) Tetrahydrofuran	7.824	42	499945	242.470	ug/l	99
30) Chloroform	7.947	83	328284	47.651	ug/l	96
31) Cyclohexane	8.241	56	231659	41.170	ug/l	98
32) 1,1,1-Trichloroethane	8.153	97	270369	46.308	ug/l	98
36) 1,1-Dichloropropene	8.353	75	205040	43.622	ug/l	99
37) Ethyl Acetate	7.547	43	305684	47.593	ug/l	100
38) Carbon Tetrachloride	8.341	117	215145	46.360	ug/l	95
39) Methylcyclohexane	9.582	83	218130	42.152	ug/l	94
40) Benzene	8.588	78	674485	46.785	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.759	41	157829	47.437	ug/l	97
42) 1,2-Dichloroethane	8.653	62	253322	45.726	ug/l	100
43) Isopropyl Acetate	8.671	43	491720	49.035	ug/l	100
44) Trichloroethene	9.335	130	148250	45.041	ug/l	97
45) 1,2-Dichloropropane	9.600	63	178097	46.867	ug/l	100
46) Dibromomethane	9.688	93	129274	47.805	ug/l	98
47) Bromodichloromethane	9.871	83	269910	48.701	ug/l	100
48) Methyl methacrylate	9.665	41	226537	47.760	ug/l	99
49) 1,4-Dioxane	9.682	88	68749	1118.251	ug/l #	99
51) 4-Methyl-2-Pentanone	10.424	43	1557645	257.451	ug/l	100
52) Toluene	10.612	92	421358	47.145	ug/l	99
53) t-1,3-Dichloropropene	10.818	75	284379	49.572	ug/l	97
54) cis-1,3-Dichloropropene	10.294	75	290940	48.844	ug/l	97
55) 1,1,2-Trichloroethane	10.994	97	174196	50.383	ug/l	98
56) Ethyl methacrylate	10.859	69	286639	51.876	ug/l	98
57) 1,3-Dichloropropane	11.141	76	298581	48.796	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.141	63	738409	246.906	ug/l	99
59) 2-Hexanone	11.176	43	1067366	279.141	ug/l	100
60) Dibromochloromethane	11.335	129	196866	49.141	ug/l	99
61) 1,2-Dibromoethane	11.447	107	175367	48.103	ug/l	98
64) Tetrachloroethene	11.082	164	114253	40.924	ug/l	96
65) Chlorobenzene	11.871	112	460657	46.014	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.941	131	162029	48.752	ug/l	97
67) Ethyl Benzene	11.941	91	813676	46.942	ug/l	97
68) m/p-Xylenes	12.047	106	610425	96.024	ug/l	98
69) o-Xylene	12.376	106	297424	47.742	ug/l	98
70) Styrene	12.388	104	518155	49.646	ug/l	98
71) Bromoform	12.559	173	132593	52.019	ug/l #	98
73) Isopropylbenzene	12.676	105	759122	45.415	ug/l	99
74) N-amyl acetate	12.500	43	286690m	45.258	ug/l	
75) 1,1,2,2-Tetrachloroethane	12.917	83	278299	48.359	ug/l	100
76) 1,2,3-Trichloropropane	12.970	75	222439m	45.855	ug/l	
77) Bromobenzene	12.959	156	182052	46.192	ug/l	99
78) n-propylbenzene	13.012	91	952850	46.279	ug/l	100
79) 2-Chlorotoluene	13.106	91	572886	46.237	ug/l	100
80) 1,3,5-Trimethylbenzene	13.153	105	653605	46.093	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.723	75	96432	52.628	ug/l	92
82) 4-Chlorotoluene	13.200	91	591740	45.424	ug/l	98
83) tert-Butylbenzene	13.417	119	546133	46.218	ug/l	98
84) 1,2,4-Trimethylbenzene	13.459	105	667988	47.058	ug/l	99
85) sec-Butylbenzene	13.594	105	796647	45.431	ug/l	100
86) p-Isopropyltoluene	13.706	119	658708	45.491	ug/l	100
87) 1,3-Dichlorobenzene	13.712	146	364577	46.973	ug/l	98
88) 1,4-Dichlorobenzene	13.788	146	362485	44.879	ug/l	98
89) n-Butylbenzene	14.035	91	651412	45.297	ug/l	99
90) Hexachloroethane	14.312	117	130580	47.335	ug/l	97
91) 1,2-Dichlorobenzene	14.082	146	348459	47.324	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.700	75	63139	46.185	ug/l	96
93) 1,2,4-Trichlorobenzene	15.370	180	199420	45.102	ug/l	99
94) Hexachlorobutadiene	15.476	225	63907	40.542	ug/l	100
95) Naphthalene	15.617	128	732763	46.788	ug/l	100
96) 1,2,3-Trichlorobenzene	15.811	180	196859	45.542	ug/l	100

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

