

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103125\
 Data File : VN088195.D
 Acq On : 31 Oct 2025 17:28
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Nov 01 00:38:27 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 25 00:15:22 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Amit Patel 11/03/2025
 Supervised By :Semsettin Yesilyurt 11/03/2025

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

Internal Standards						
1) Pentafluorobenzene	8.200	168	307844	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	606321	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	543749	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	254140	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	306937	57.660	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	115.320%
35) Dibromofluoromethane	8.147	113	208517	51.191	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	102.380%
50) Toluene-d8	10.541	98	769554	49.031	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	98.060%
62) 4-Bromofluorobenzene	12.829	95	295919	53.387	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	106.780%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.142	85	159249	45.860	ug/l	97
3) Chloromethane	2.383	50	200548	49.091	ug/l	98
4) Vinyl Chloride	2.536	62	214230	48.129	ug/l	94
5) Bromomethane	2.971	94	133319	50.075	ug/l	94
6) Chloroethane	3.136	64	146164	45.576	ug/l	94
7) Trichlorofluoromethane	3.512	101	319771	45.042	ug/l	98
8) Diethyl Ether	3.959	74	143245	54.289	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.371	101	167320	45.673	ug/l	98
10) Methyl Iodide	4.583	142	186743	51.548	ug/l	96
11) Tert butyl alcohol	5.524	59	238289	259.834	ug/l	100
12) 1,1-Dichloroethene	4.342	96	178386	46.103	ug/l	98
13) Acrolein	4.177	56	322428	312.564	ug/l	100
14) Allyl chloride	5.012	41	354122	52.215	ug/l	97
15) Acrylonitrile	5.706	53	703757	281.718	ug/l	99
16) Acetone	4.424	43	647129	241.978	ug/l	98
17) Carbon Disulfide	4.706	76	521092	44.303	ug/l	96
18) Methyl Acetate	5.018	43	319723	58.396	ug/l	98
19) Methyl tert-butyl Ether	5.783	73	826849	58.189	ug/l	98
20) Methylene Chloride	5.265	84	228006	54.703	ug/l	99
21) trans-1,2-Dichloroethene	5.777	96	211857	49.883	ug/l	99
22) Diisopropyl ether	6.659	45	815999	57.212	ug/l	99
23) Vinyl Acetate	6.588	43	3739761	291.086	ug/l	99
24) 1,1-Dichloroethane	6.553	63	439344	55.608	ug/l	98
25) 2-Butanone	7.465	43	969300	275.027	ug/l	98
26) 2,2-Dichloropropane	7.471	77	356271	49.622	ug/l	98
27) cis-1,2-Dichloroethene	7.471	96	260702	53.321	ug/l	95
28) Bromochloromethane	7.794	49	191627	51.332	ug/l	99
29) Tetrahydrofuran	7.824	42	638767	278.106	ug/l	100
30) Chloroform	7.947	83	442363	56.046	ug/l	98
31) Cyclohexane	8.241	56	331254	44.455	ug/l	99
32) 1,1,1-Trichloroethane	8.147	97	366791	52.177	ug/l	98
36) 1,1-Dichloropropene	8.353	75	297324	49.992	ug/l	99
37) Ethyl Acetate	7.547	43	405740	52.864	ug/l	98
38) Carbon Tetrachloride	8.347	117	295350	48.081	ug/l	95
39) Methylcyclohexane	9.577	83	281777	36.859	ug/l	98
40) Benzene	8.588	78	916381	50.593	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.759	41	214283	53.046	ug/l	99
42) 1,2-Dichloroethane	8.653	62	370292	57.537	ug/l	99
43) Isopropyl Acetate	8.671	43	658576	55.841	ug/l	99
44) Trichloroethene	9.329	130	208418	49.229	ug/l	100
45) 1,2-Dichloropropane	9.600	63	238343	52.123	ug/l	99
46) Dibromomethane	9.688	93	175156	53.707	ug/l	98
47) Bromodichloromethane	9.865	83	354135	54.236	ug/l	96
48) Methyl methacrylate	9.659	41	317092	58.236	ug/l	100
49) 1,4-Dioxane	9.682	88	63436	936.727	ug/l #	96
51) 4-Methyl-2-Pentanone	10.424	43	1976711	283.318	ug/l	99
52) Toluene	10.606	92	569397	50.988	ug/l	97
53) t-1,3-Dichloropropene	10.812	75	385558	55.480	ug/l	99
54) cis-1,3-Dichloropropene	10.288	75	398766	54.075	ug/l	97
55) 1,1,2-Trichloroethane	10.994	97	222770	52.580	ug/l	96
56) Ethyl methacrylate	10.853	69	410315	61.198	ug/l	98
57) 1,3-Dichloropropane	11.141	76	409197	54.948	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.141	63	1119142	320.901	ug/l	100
59) 2-Hexanone	11.176	43	1364954	294.910	ug/l	100
60) Dibromochloromethane	11.335	129	254310	52.810	ug/l	98
61) 1,2-Dibromoethane	11.447	107	233711	53.599	ug/l	99
64) Tetrachloroethene	11.082	164	163896	45.696	ug/l	97
65) Chlorobenzene	11.871	112	615917	49.885	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.935	131	209655	51.830	ug/l	100
67) Ethyl Benzene	11.941	91	1095545	50.550	ug/l	98
68) m/p-Xylenes	12.047	106	807907	99.492	ug/l	99
69) o-Xylene	12.376	106	395848	51.424	ug/l	99
70) Styrene	12.388	104	690776	55.030	ug/l	98
71) Bromoform	12.559	173	160350	53.118	ug/l #	98
73) Isopropylbenzene	12.670	105	972157	49.597	ug/l	100
74) N-amyl acetate	12.500	43	273133	49.087	ug/l #	90
75) 1,1,2,2-Tetrachloroethane	12.918	83	324566	53.186	ug/l	99
76) 1,2,3-Trichloropropane	12.970	75	314948m	54.204	ug/l	
77) Bromobenzene	12.959	156	235351	55.681	ug/l	96
78) n-propylbenzene	13.012	91	1146343	47.924	ug/l	99
79) 2-Chlorotoluene	13.100	91	745684	54.664	ug/l	97
80) 1,3,5-Trimethylbenzene	13.147	105	802048	49.269	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.718	75	107733	51.722	ug/l	94
82) 4-Chlorotoluene	13.200	91	768894	52.098	ug/l	99
83) tert-Butylbenzene	13.412	119	671647	46.187	ug/l	99
84) 1,2,4-Trimethylbenzene	13.459	105	845132	51.889	ug/l	98
85) sec-Butylbenzene	13.594	105	882954	41.327	ug/l	100
86) p-Isopropyltoluene	13.706	119	749837	43.750	ug/l	97
87) 1,3-Dichlorobenzene	13.712	146	431296	51.114	ug/l	99
88) 1,4-Dichlorobenzene	13.788	146	435528	48.057	ug/l	97
89) n-Butylbenzene	14.029	91	669319	39.425	ug/l	98
90) Hexachloroethane	14.312	117	135128	40.713	ug/l	93
91) 1,2-Dichlorobenzene	14.082	146	414452	50.955	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.694	75	76468	53.837	ug/l	89
93) 1,2,4-Trichlorobenzene	15.364	180	179894	36.520	ug/l	98
94) Hexachlorobutadiene	15.470	225	58761	32.033	ug/l	96
95) Naphthalene	15.611	128	726330	43.042	ug/l	99
96) 1,2,3-Trichlorobenzene	15.811	180	156452	33.125	ug/l	98

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

