

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120425\
 Data File : VN088461.D
 Acq On : 04 Dec 2025 20:33
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 12/05/2025
 Supervised By : Semsettin Yesilyurt 12/05/2025

Quant Time: Dec 05 00:22:06 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112425W.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 25 01:34:52 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.200	168	261828	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.083	114	494580	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	455240	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.765	152	229867	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	289115	58.616	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 117.240%			
35) Dibromofluoromethane	8.147	113	188065	54.871	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 109.740%			
50) Toluene-d8	10.541	98	687619	53.920	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 107.840%			
62) 4-Bromofluorobenzene	12.823	95	254326	58.123	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 116.240%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.142	85	188068	47.822	ug/l	100
3) Chloromethane	2.383	50	191765	45.401	ug/l	99
4) Vinyl Chloride	2.536	62	204228	47.529	ug/l	99
5) Bromomethane	2.977	94	93155	45.044	ug/l	95
6) Chloroethane	3.142	64	129001	48.512	ug/l	97
7) Trichlorofluoromethane	3.518	101	299794	49.641	ug/l	97
8) Diethyl Ether	3.959	74	119375	52.664	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.371	101	154475	48.047	ug/l	99
10) Methyl Iodide	4.583	142	133402	41.914	ug/l	91
11) Tert butyl alcohol	5.518	59	177972	226.004	ug/l	99
12) 1,1-Dichloroethene	4.342	96	154133	48.252	ug/l	97
13) Acrolein	4.177	56	224633	297.956	ug/l	99
14) Allyl chloride	5.012	41	300012	50.672	ug/l	98
15) Acrylonitrile	5.706	53	570309	251.015	ug/l	99
16) Acetone	4.424	43	558452	313.072	ug/l	99
17) Carbon Disulfide	4.706	76	475911	45.592	ug/l	100
18) Methyl Acetate	5.018	43	289944	54.606	ug/l	98
19) Methyl tert-butyl Ether	5.783	73	649557	54.274	ug/l	100
20) Methylene Chloride	5.265	84	191065	50.064	ug/l	96
21) trans-1,2-Dichloroethene	5.777	96	176202	49.795	ug/l	99
22) Diisopropyl ether	6.659	45	698556	55.264	ug/l	99
23) Vinyl Acetate	6.589	43	3082157	302.644	ug/l	98
24) 1,1-Dichloroethane	6.553	63	375038	52.393	ug/l	99
25) 2-Butanone	7.465	43	810757	282.726	ug/l	96
26) 2,2-Dichloropropane	7.471	77	295862	47.884	ug/l	98
27) cis-1,2-Dichloroethene	7.471	96	210901	51.284	ug/l	97
28) Bromochloromethane	7.794	49	193580	54.286	ug/l	99
29) Tetrahydrofuran	7.818	42	544375	264.661	ug/l	99
30) Chloroform	7.947	83	379288	53.924	ug/l	95
31) Cyclohexane	8.236	56	292790	45.136	ug/l	97
32) 1,1,1-Trichloroethane	8.147	97	320889	51.886	ug/l	100
36) 1,1-Dichloropropene	8.353	75	250698	47.394	ug/l	98
37) Ethyl Acetate	7.547	43	340548	48.963	ug/l	99
38) Carbon Tetrachloride	8.341	117	264780	50.284	ug/l	98
39) Methylcyclohexane	9.582	83	248462	43.914	ug/l	92
40) Benzene	8.588	78	760689	48.998	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.765	41	177537	51.537	ug/l	97
42) 1,2-Dichloroethane	8.647	62	318738	53.812	ug/l	100
43) Isopropyl Acetate	8.671	43	546458	51.423	ug/l	99
44) Trichloroethene	9.330	130	163538	44.581	ug/l	93
45) 1,2-Dichloropropane	9.600	63	201788	50.730	ug/l #	88
46) Dibromomethane	9.688	93	146897	51.748	ug/l	98
47) Bromodichloromethane	9.865	83	302856	52.288	ug/l	98
48) Methyl methacrylate	9.659	41	259691	53.560	ug/l	96
49) 1,4-Dioxane	9.682	88	49945	809.985	ug/l #	95
51) 4-Methyl-2-Pentanone	10.424	43	1667045	266.144	ug/l	100
52) Toluene	10.606	92	462408	51.582	ug/l	100
53) t-1,3-Dichloropropene	10.812	75	306402	51.537	ug/l	97
54) cis-1,3-Dichloropropene	10.288	75	322809	51.632	ug/l	98
55) 1,1,2-Trichloroethane	10.994	97	178471	51.457	ug/l	97
56) Ethyl methacrylate	10.853	69	308834	56.371	ug/l	99
57) 1,3-Dichloropropane	11.141	76	326315	52.152	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.135	63	881762	279.170	ug/l	99
59) 2-Hexanone	11.177	43	1117704	283.261	ug/l	99
60) Dibromochloromethane	11.335	129	207055	52.368	ug/l	97
61) 1,2-Dibromoethane	11.447	107	179310	51.054	ug/l	99
64) Tetrachloroethene	11.082	164	144099	39.928	ug/l	97
65) Chlorobenzene	11.865	112	492993	48.212	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.935	131	169912	49.267	ug/l	99
67) Ethyl Benzene	11.941	91	879881	49.232	ug/l	100
68) m/p-Xylenes	12.047	106	653080	98.557	ug/l	95
69) o-Xylene	12.376	106	309842	49.046	ug/l	98
70) Styrene	12.388	104	549431	53.563	ug/l	99
71) Bromoform	12.553	173	130538	51.676	ug/l #	98
73) Isopropylbenzene	12.671	105	802630	47.225	ug/l	99
74) N-amyl acetate	12.500	43	268521m	46.392	ug/l	
75) 1,1,2,2-Tetrachloroethane	12.918	83	266493	48.501	ug/l	99
76) 1,2,3-Trichloropropane	12.971	75	253099m	47.010	ug/l	
77) Bromobenzene	12.959	156	187537	48.225	ug/l	96
78) n-propylbenzene	13.012	91	977270	47.001	ug/l	100
79) 2-Chlorotoluene	13.100	91	609168	47.976	ug/l	99
80) 1,3,5-Trimethylbenzene	13.147	105	682838	48.485	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.712	75	93783	49.417	ug/l #	92
82) 4-Chlorotoluene	13.200	91	628846	49.863	ug/l	100
83) tert-Butylbenzene	13.412	119	561293	46.883	ug/l	99
84) 1,2,4-Trimethylbenzene	13.459	105	697231	49.808	ug/l	98
85) sec-Butylbenzene	13.588	105	791572	46.024	ug/l	99
86) p-Isopropyltoluene	13.706	119	662985	47.009	ug/l	99
87) 1,3-Dichlorobenzene	13.712	146	354618	46.845	ug/l	99
88) 1,4-Dichlorobenzene	13.788	146	364949	46.024	ug/l	98
89) n-Butylbenzene	14.029	91	612364	44.718	ug/l	100
90) Hexachloroethane	14.306	117	118976	46.179	ug/l	98
91) 1,2-Dichlorobenzene	14.082	146	341326	47.914	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.694	75	62778	47.091	ug/l	96
93) 1,2,4-Trichlorobenzene	15.364	180	186177	43.986	ug/l	98
94) Hexachlorobutadiene	15.470	225	59460	39.093	ug/l	96
95) Naphthalene	15.612	128	690653	47.089	ug/l	99
96) 1,2,3-Trichlorobenzene	15.812	180	176791	42.918	ug/l	95

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

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