

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103125\
 Data File : VN088173.D
 Acq On : 31 Oct 2025 09:18
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Quant Time: Nov 01 00:25:50 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	8.206	168	300377	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.083	114	578571	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	509730	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	249740	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	296278	57.041	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 114.080%			
35) Dibromofluoromethane	8.147	113	201311	51.793	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.580%			
50) Toluene-d8	10.541	98	742755	49.594	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 99.180%			
62) 4-Bromofluorobenzene	12.829	95	278690	52.690	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 105.380%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.142	85	159506	47.076	ug/l	99
3) Chloromethane	2.383	50	194974	48.913	ug/l	98
4) Vinyl Chloride	2.536	62	213319	49.116	ug/l	99
5) Bromomethane	2.965	94	132462	50.990	ug/l	100
6) Chloroethane	3.136	64	144981	46.331	ug/l	100
7) Trichlorofluoromethane	3.512	101	314232	45.362	ug/l	96
8) Diethyl Ether	3.959	74	139359	54.129	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.365	101	167411	46.834	ug/l	98
10) Methyl Iodide	4.577	142	183501	51.882	ug/l	99
11) Tert butyl alcohol	5.524	59	263262	294.201	ug/l	100
12) 1,1-Dichloroethene	4.336	96	173362	45.919	ug/l	96
13) Acrolein	4.171	56	323043	320.945	ug/l	98
14) Allyl chloride	5.006	41	356784	53.916	ug/l	99
15) Acrylonitrile	5.706	53	711762	292.005	ug/l	99
16) Acetone	4.418	43	726656	278.469	ug/l	98
17) Carbon Disulfide	4.700	76	526861	45.907	ug/l	99
18) Methyl Acetate	5.018	43	319139	59.739	ug/l	98
19) Methyl tert-butyl Ether	5.789	73	813525	58.675	ug/l	96
20) Methylene Chloride	5.265	84	231212	56.820	ug/l	98
21) trans-1,2-Dichloroethene	5.771	96	207951	50.180	ug/l	98
22) Diisopropyl ether	6.653	45	803453	57.733	ug/l	98
23) Vinyl Acetate	6.589	43	3734608	297.911	ug/l	99
24) 1,1-Dichloroethane	6.553	63	431014	55.910	ug/l	97
25) 2-Butanone	7.465	43	1015630	295.337	ug/l	99
26) 2,2-Dichloropropane	7.471	77	376472	53.739	ug/l	98
27) cis-1,2-Dichloroethene	7.465	96	258249	54.132	ug/l	94
28) Bromochloromethane	7.794	49	211578	58.085	ug/l	99
29) Tetrahydrofuran	7.818	42	639573	285.379	ug/l	99
30) Chloroform	7.947	83	429348	55.749	ug/l	99
31) Cyclohexane	8.241	56	337284	46.389	ug/l	95
32) 1,1,1-Trichloroethane	8.147	97	359682	52.437	ug/l	99
36) 1,1-Dichloropropene	8.347	75	285851	50.368	ug/l	99
37) Ethyl Acetate	7.541	43	408033	55.713	ug/l	97
38) Carbon Tetrachloride	8.341	117	299517	51.098	ug/l	96
39) Methylcyclohexane	9.583	83	301570	41.340	ug/l	98
40) Benzene	8.588	78	906694	52.459	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.759	41	220061	57.090	ug/l	98
42) 1,2-Dichloroethane	8.647	62	363916	59.258	ug/l	99
43) Isopropyl Acetate	8.671	43	644979	57.311	ug/l	98
44) Trichloroethene	9.330	130	205838	50.951	ug/l	97
45) 1,2-Dichloropropane	9.600	63	235055	53.869	ug/l	99
46) Dibromomethane	9.688	93	175678	56.451	ug/l	99
47) Bromodichloromethane	9.865	83	352591	56.590	ug/l	97
48) Methyl methacrylate	9.659	41	312301	60.107	ug/l	99
49) 1,4-Dioxane	9.683	88	87007	1346.410	ug/l #	99
51) 4-Methyl-2-Pentanone	10.424	43	1946537	292.374	ug/l	100
52) Toluene	10.606	92	568245	53.325	ug/l	96
53) t-1,3-Dichloropropene	10.818	75	394212	59.446	ug/l	99
54) cis-1,3-Dichloropropene	10.288	75	402794	57.241	ug/l	95
55) 1,1,2-Trichloroethane	10.994	97	216688	53.598	ug/l	99
56) Ethyl methacrylate	10.853	69	385456	60.248	ug/l	98
57) 1,3-Dichloropropane	11.141	76	396245	55.761	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.141	63	1103120	331.478	ug/l	99
59) 2-Hexanone	11.177	43	1376141	311.587	ug/l	100
60) Dibromochloromethane	11.335	129	256080	55.728	ug/l	100
61) 1,2-Dibromoethane	11.447	107	228660	54.956	ug/l	100
64) Tetrachloroethene	11.082	164	163233	48.549	ug/l	97
65) Chlorobenzene	11.871	112	605006	52.271	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.935	131	209817	55.331	ug/l	99
67) Ethyl Benzene	11.941	91	1082976	53.305	ug/l	99
68) m/p-Xylenes	12.047	106	802615	105.437	ug/l	98
69) o-Xylene	12.376	106	392520	54.394	ug/l	98
70) Styrene	12.388	104	674014	57.279	ug/l	97
71) Bromoform	12.559	173	162591	57.455	ug/l #	98
73) Isopropylbenzene	12.671	105	995181	51.666	ug/l	100
74) N-amyl acetate	12.500	43	274064m	50.122	ug/l	
75) 1,1,2,2-Tetrachloroethane	12.918	83	325289	54.244	ug/l	100
76) 1,2,3-Trichloropropane	12.971	75	279846m	49.011	ug/l	
77) Bromobenzene	12.959	156	233574	56.234	ug/l	97
78) n-propylbenzene	13.012	91	1205322	51.277	ug/l	99
79) 2-Chlorotoluene	13.100	91	758918	56.614	ug/l	96
80) 1,3,5-Trimethylbenzene	13.147	105	836803	52.310	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.718	75	115543	56.448	ug/l	88
82) 4-Chlorotoluene	13.200	91	775166	53.449	ug/l	99
83) tert-Butylbenzene	13.418	119	706275	49.424	ug/l	99
84) 1,2,4-Trimethylbenzene	13.459	105	855374	53.443	ug/l	100
85) sec-Butylbenzene	13.594	105	973068	46.347	ug/l	99
86) p-Isopropyltoluene	13.706	119	817622	48.545	ug/l	98
87) 1,3-Dichlorobenzene	13.712	146	443090	53.437	ug/l	98
88) 1,4-Dichlorobenzene	13.788	146	456997	51.315	ug/l	98
89) n-Butylbenzene	14.035	91	757528	45.407	ug/l	99
90) Hexachloroethane	14.306	117	151364	46.408	ug/l	93
91) 1,2-Dichlorobenzene	14.082	146	422989	52.921	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.700	75	81875	58.659	ug/l	95
93) 1,2,4-Trichlorobenzene	15.365	180	238065	49.180	ug/l	99
94) Hexachlorobutadiene	15.476	225	74537	41.349	ug/l	96
95) Naphthalene	15.612	128	892539	53.823	ug/l	100
96) 1,2,3-Trichlorobenzene	15.812	180	226425	48.784	ug/l	98

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

