

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102725\
 Data File : VN088102.D
 Acq On : 27 Oct 2025 10:40
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 10/28/2025
 Supervised By : Semsettin Yesilyurt 10/28/2025

Quant Time: Oct 28 01:20:32 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

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

Internal Standards						
1) Pentafluorobenzene	8.206	168	321965	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	587119	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	522069	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	267876	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	281974	50.647	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 101.300%			
35) Dibromofluoromethane	8.147	113	194920	49.418	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 98.840%			
50) Toluene-d8	10.547	98	728690	47.946	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 95.900%			
62) 4-Bromofluorobenzene	12.829	95	269801	50.267	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 100.540%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.142	85	192457	52.993	ug/l	99
3) Chloromethane	2.383	50	220091	51.512	ug/l	98
4) Vinyl Chloride	2.536	62	240095	51.574	ug/l	95
5) Bromomethane	2.965	94	126264	45.345	ug/l	93
6) Chloroethane	3.136	64	153869	45.875	ug/l	97
7) Trichlorofluoromethane	3.506	101	363927	49.013	ug/l	100
8) Diethyl Ether	3.959	74	133136	48.245	ug/l	95
9) 1,1,2-Trichlorotrifluo...	4.365	101	191739	50.044	ug/l	98
10) Methyl Iodide	4.583	142	184213	48.858	ug/l	98
11) Tert butyl alcohol	5.524	59	252556	263.312	ug/l	98
12) 1,1-Dichloroethene	4.336	96	188755	46.643	ug/l	95
13) Acrolein	4.177	56	340988	316.058	ug/l	100
14) Allyl chloride	5.018	41	360462	50.819	ug/l	97
15) Acrylonitrile	5.706	53	697816	267.088	ug/l	99
16) Acetone	4.424	43	692239	247.493	ug/l	98
17) Carbon Disulfide	4.706	76	605311	49.207	ug/l	100
18) Methyl Acetate	5.018	43	308316	53.843	ug/l	99
19) Methyl tert-butyl Ether	5.783	73	781435	52.581	ug/l	97
20) Methylene Chloride	5.265	84	233190	53.510	ug/l	93
21) trans-1,2-Dichloroethene	5.777	96	218235	49.131	ug/l	97
22) Diisopropyl ether	6.659	45	803931	53.894	ug/l	98
23) Vinyl Acetate	6.594	43	3682428	274.052	ug/l	100
24) 1,1-Dichloroethane	6.553	63	440607	53.322	ug/l	99
25) 2-Butanone	7.471	43	989217	268.368	ug/l	98
26) 2,2-Dichloropropane	7.477	77	378497	50.405	ug/l	98
27) cis-1,2-Dichloroethene	7.465	96	255734	50.010	ug/l	92
28) Bromochloromethane	7.794	49	195405	50.048	ug/l	99
29) Tetrahydrofuran	7.824	42	635795	264.671	ug/l	98
30) Chloroform	7.947	83	442103	53.556	ug/l	99
31) Cyclohexane	8.241	56	403281	51.747	ug/l	99
32) 1,1,1-Trichloroethane	8.153	97	383459	52.155	ug/l	98
36) 1,1-Dichloropropene	8.353	75	313772	54.483	ug/l	99
37) Ethyl Acetate	7.547	43	387720	52.169	ug/l	97
38) Carbon Tetrachloride	8.341	117	334369	56.213	ug/l	96
39) Methylcyclohexane	9.582	83	383340	51.784	ug/l	99
40) Benzene	8.588	78	938729	53.522	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.765	41	208389	53.275	ug/l	98
42) 1,2-Dichloroethane	8.653	62	362020	58.091	ug/l	99
43) Isopropyl Acetate	8.671	43	631669	55.312	ug/l	99
44) Trichloroethene	9.335	130	211158	51.507	ug/l	99
45) 1,2-Dichloropropane	9.600	63	242214	54.702	ug/l	99
46) Dibromomethane	9.688	93	173231	54.854	ug/l	98
47) Bromodichloromethane	9.871	83	357488	56.540	ug/l	98
48) Methyl methacrylate	9.665	41	305563	57.954	ug/l	98
49) 1,4-Dioxane	9.676	88	70907	1081.292	ug/l #	93
51) 4-Methyl-2-Pentanone	10.423	43	1942375	287.502	ug/l	100
52) Toluene	10.606	92	572392	52.932	ug/l	98
53) t-1,3-Dichloropropene	10.818	75	375796	55.844	ug/l	100
54) cis-1,3-Dichloropropene	10.294	75	388258	54.372	ug/l	99
55) 1,1,2-Trichloroethane	10.994	97	219324	53.460	ug/l	99
56) Ethyl methacrylate	10.853	69	370392	57.050	ug/l	95
57) 1,3-Dichloropropane	11.141	76	390798	54.194	ug/l	98
58) 2-Chloroethyl Vinyl ether	10.141	63	976156	289.056	ug/l	100
59) 2-Hexanone	11.176	43	1315305	293.477	ug/l	99
60) Dibromochloromethane	11.341	129	253054	54.268	ug/l	99
61) 1,2-Dibromoethane	11.447	107	225061	53.304	ug/l	100
64) Tetrachloroethene	11.082	164	179133	52.018	ug/l	96
65) Chlorobenzene	11.870	112	609369	51.404	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.935	131	210704	54.252	ug/l	99
67) Ethyl Benzene	11.941	91	1111924	53.436	ug/l	99
68) m/p-Xylenes	12.047	106	830752	106.554	ug/l	99
69) o-Xylene	12.376	106	400758	54.223	ug/l	99
70) Styrene	12.388	104	683706	56.729	ug/l	98
71) Bromoform	12.559	173	160954	55.533	ug/l #	99
73) Isopropylbenzene	12.676	105	1071906	51.882	ug/l	99
74) N-amyl acetate	12.506	43	306906m	52.328	ug/l	
75) 1,1,2,2-Tetrachloroethane	12.917	83	333767	51.889	ug/l	99
76) 1,2,3-Trichloropropane	12.970	75	327140m	53.415	ug/l	
77) Bromobenzene	12.959	156	237552	53.320	ug/l	97
78) n-propylbenzene	13.012	91	1330747	52.780	ug/l	99
79) 2-Chlorotoluene	13.100	91	786292	54.685	ug/l	97
80) 1,3,5-Trimethylbenzene	13.153	105	919244	53.573	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.717	75	104371	47.538	ug/l	90
82) 4-Chlorotoluene	13.200	91	803817	51.672	ug/l	99
83) tert-Butylbenzene	13.412	119	800535	52.227	ug/l	100
84) 1,2,4-Trimethylbenzene	13.459	105	926257	53.954	ug/l	99
85) sec-Butylbenzene	13.594	105	1175420	52.195	ug/l	100
86) p-Isopropyltoluene	13.706	119	981553	54.333	ug/l	99
87) 1,3-Dichlorobenzene	13.711	146	469251	52.761	ug/l	99
88) 1,4-Dichlorobenzene	13.788	146	485747	50.850	ug/l	98
89) n-Butylbenzene	14.035	91	955257	53.382	ug/l	99
90) Hexachloroethane	14.306	117	186582	53.333	ug/l	95
91) 1,2-Dichlorobenzene	14.082	146	448834	52.353	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.694	75	82283	54.960	ug/l	95
93) 1,2,4-Trichlorobenzene	15.364	180	271820	52.352	ug/l	99
94) Hexachlorobutadiene	15.470	225	105206	54.412	ug/l	99
95) Naphthalene	15.611	128	919189	51.678	ug/l	100
96) 1,2,3-Trichlorobenzene	15.811	180	258279	51.880	ug/l	98

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

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