

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110725\
 Data File : VN088233.D
 Acq On : 07 Nov 2025 15:41
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 11/10/2025
 Supervised By : Mahesh Dadoda 11/10/2025

Quant Time: Nov 08 01:57:08 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 03 01:16:06 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.206	168	289803	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	553916	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	497278	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	247156	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	307019	61.265	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 122.540%			
35) Dibromofluoromethane	8.147	113	211793	56.915	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 113.820%			
50) Toluene-d8	10.547	98	762439	53.174	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 106.340%			
62) 4-Bromofluorobenzene	12.823	95	285707	56.421	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 112.840%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.142	85	144086	44.077	ug/l	96
3) Chloromethane	2.383	50	191037	49.674	ug/l	96
4) Vinyl Chloride	2.536	62	192409	45.918	ug/l	96
5) Bromomethane	2.971	94	106363	42.437	ug/l	93
6) Chloroethane	3.136	64	129827	43.002	ug/l	100
7) Trichlorofluoromethane	3.506	101	286258	42.831	ug/l	97
8) Diethyl Ether	3.959	74	127087	51.164	ug/l	96
9) 1,1,2-Trichlorotrifluo...	4.365	101	154874	44.908	ug/l	98
10) Methyl Iodide	4.583	142	173822	55.151	ug/l	95
11) Tert butyl alcohol	5.518	59	239942	277.924	ug/l	99
12) 1,1-Dichloroethene	4.336	96	155315	42.639	ug/l	96
13) Acrolein	4.177	56	191108	196.794	ug/l	96
14) Allyl chloride	5.018	41	325895	51.045	ug/l	99
15) Acrylonitrile	5.706	53	679228	288.825	ug/l	99
16) Acetone	4.424	43	736140	292.397	ug/l	100
17) Carbon Disulfide	4.706	76	482451	43.572	ug/l	99
18) Methyl Acetate	5.012	43	312141	60.561	ug/l	99
19) Methyl tert-butyl Ether	5.789	73	735790	55.004	ug/l	98
20) Methylene Chloride	5.265	84	214731	50.810	ug/l	98
21) trans-1,2-Dichloroethene	5.771	96	187702	46.947	ug/l	99
22) Diisopropyl ether	6.659	45	745934	55.555	ug/l	99
23) Vinyl Acetate	6.589	43	3457472	285.867	ug/l	99
24) 1,1-Dichloroethane	6.547	63	398687	53.604	ug/l	97
25) 2-Butanone	7.465	43	980131	295.413	ug/l	99
26) 2,2-Dichloropropane	7.471	77	342391	50.657	ug/l	98
27) cis-1,2-Dichloroethene	7.471	96	235480	51.160	ug/l	95
28) Bromochloromethane	7.794	49	217243	61.817	ug/l	99
29) Tetrahydrofuran	7.824	42	597846	276.494	ug/l	98
30) Chloroform	7.947	83	400506	53.902	ug/l	98
31) Cyclohexane	8.235	56	303467	43.261	ug/l	97
32) 1,1,1-Trichloroethane	8.147	97	333064	50.328	ug/l	98
36) 1,1-Dichloropropene	8.353	75	261543	48.136	ug/l	99
37) Ethyl Acetate	7.547	43	374281	53.379	ug/l	98
38) Carbon Tetrachloride	8.341	117	271455	48.372	ug/l	100
39) Methylcyclohexane	9.582	83	290102	41.538	ug/l	99
40) Benzene	8.588	78	827741	50.023	ug/l	97

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41) Methacrylonitrile	7.765	41	200796	54.411	ug/l	99
42) 1,2-Dichloroethane	8.653	62	334431	56.881	ug/l	98
43) Isopropyl Acetate	8.671	43	591481	54.897	ug/l	99
44) Trichloroethene	9.330	130	182977	47.309	ug/l	99
45) 1,2-Dichloropropane	9.600	63	220234	52.719	ug/l	99
46) Dibromomethane	9.688	93	157963	53.018	ug/l	98
47) Bromodichloromethane	9.865	83	325900	54.634	ug/l	96
48) Methyl methacrylate	9.659	41	280786	56.447	ug/l	100
49) 1,4-Dioxane	9.677	88	68767	1111.517	ug/l #	95
51) 4-Methyl-2-Pentanone	10.424	43	1841197	288.862	ug/l	99
52) Toluene	10.606	92	503264	49.329	ug/l	98
53) t-1,3-Dichloropropene	10.812	75	352114	55.461	ug/l	98
54) cis-1,3-Dichloropropene	10.288	75	367403	54.535	ug/l	99
55) 1,1,2-Trichloroethane	10.994	97	200809	51.881	ug/l	98
56) Ethyl methacrylate	10.853	69	346060	56.498	ug/l	97
57) 1,3-Dichloropropane	11.141	76	360477	52.986	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.141	63	974955	306.006	ug/l	100
59) 2-Hexanone	11.176	43	1271175	300.632	ug/l	100
60) Dibromochloromethane	11.335	129	234009	53.192	ug/l	99
61) 1,2-Dibromoethane	11.447	107	210720	52.899	ug/l	99
64) Tetrachloroethene	11.082	164	145328	44.306	ug/l	96
65) Chlorobenzene	11.871	112	553320	49.003	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.941	131	191451	51.752	ug/l	99
67) Ethyl Benzene	11.941	91	966333	48.755	ug/l	100
68) m/p-Xylenes	12.047	106	724089	97.503	ug/l	100
69) o-Xylene	12.376	106	356936	50.702	ug/l	99
70) Styrene	12.388	104	609460	53.090	ug/l	98
71) Bromoform	12.559	173	150782	54.617	ug/l #	97
73) Isopropylbenzene	12.670	105	897416	47.077	ug/l	100
74) N-amyl acetate	12.506	43	273278m	50.501	ug/l	
75) 1,1,2,2-Tetrachloroethane	12.918	83	306798	51.695	ug/l	99
76) 1,2,3-Trichloropropane	12.970	75	302586m	53.548	ug/l	
77) Bromobenzene	12.959	156	211434	51.436	ug/l	97
78) n-propylbenzene	13.012	91	1106634	47.571	ug/l	100
79) 2-Chlorotoluene	13.100	91	686637	51.758	ug/l	97
80) 1,3,5-Trimethylbenzene	13.153	105	781134	49.340	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.718	75	103815	51.249	ug/l	91
82) 4-Chlorotoluene	13.200	91	699207	48.715	ug/l	99
83) tert-Butylbenzene	13.418	119	653597	46.216	ug/l	99
84) 1,2,4-Trimethylbenzene	13.459	105	788031	49.750	ug/l	98
85) sec-Butylbenzene	13.594	105	932498	44.879	ug/l	100
86) p-Isopropyltoluene	13.706	119	780640	46.834	ug/l	99
87) 1,3-Dichlorobenzene	13.712	146	409571	49.911	ug/l	98
88) 1,4-Dichlorobenzene	13.788	146	408746	46.377	ug/l	98
89) n-Butylbenzene	14.035	91	744091	45.067	ug/l	99
90) Hexachloroethane	14.312	117	149754	46.395	ug/l	97
91) 1,2-Dichlorobenzene	14.082	146	389364	49.223	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.700	75	72125	52.214	ug/l	96
93) 1,2,4-Trichlorobenzene	15.370	180	222506	46.447	ug/l	98
94) Hexachlorobutadiene	15.476	225	80003	44.846	ug/l	99
95) Naphthalene	15.611	128	785434	47.860	ug/l	99
96) 1,2,3-Trichlorobenzene	15.811	180	212013	46.157	ug/l	98

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

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