

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062625\
 Data File : VN087181.D
 Acq On : 26 Jun 2025 09:50
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 06/27/2025
 Supervised By : Mahesh Dadoda 06/27/2025

Quant Time: Jun 27 01:20:35 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 07 02:12:50 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	154123	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	273928	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	249308	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	129095	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	108564	52.611	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 105.220%			
35) Dibromofluoromethane	8.177	113	88562	54.555	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 109.100%			
50) Toluene-d8	10.565	98	319406	49.702	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 99.400%			
62) 4-Bromofluorobenzene	12.847	95	122784	51.425	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 102.860%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.153	85	95412	62.089	ug/l	99
3) Chloromethane	2.395	50	95873	48.314	ug/l	100
4) Vinyl Chloride	2.553	62	106288	51.924	ug/l	99
5) Bromomethane	2.989	94	49630	43.326	ug/l	96
6) Chloroethane	3.153	64	49419	37.375	ug/l	98
7) Trichlorofluoromethane	3.530	101	110462	41.302	ug/l	97
8) Diethyl Ether	3.983	74	44083	37.831	ug/l	92
9) 1,1,2-Trichlorotrifluo...	4.400	101	79406	47.258	ug/l	100
10) Methyl Iodide	4.612	142	65244	29.953	ug/l	97
11) Tert butyl alcohol	5.536	59	134359	239.961	ug/l	100
12) 1,1-Dichloroethene	4.371	96	72729	42.397	ug/l	98
13) Acrolein	4.200	56	16867	95.168	ug/l	97
14) Allyl chloride	5.047	41	158498	55.712	ug/l	95
15) Acrylonitrile	5.736	53	377541	288.478	ug/l	99
16) Acetone	4.442	43	260172	237.750	ug/l	97
17) Carbon Disulfide	4.736	76	224089	47.226	ug/l	99
18) Methyl Acetate	5.042	43	172812	54.190	ug/l	97
19) Methyl tert-butyl Ether	5.812	73	363052	58.451	ug/l	98
20) Methylene Chloride	5.300	84	116069	56.654	ug/l	97
21) trans-1,2-Dichloroethene	5.806	96	109895	57.580	ug/l	99
22) Diisopropyl ether	6.683	45	368016	61.367	ug/l	97
23) Vinyl Acetate	6.618	43	1623414	320.406	ug/l	98
24) 1,1-Dichloroethane	6.583	63	211146	61.182	ug/l	98
25) 2-Butanone	7.488	43	505469	284.168	ug/l	98
26) 2,2-Dichloropropane	7.500	77	187872	69.983	ug/l	98
27) cis-1,2-Dichloroethene	7.494	96	133173	58.344	ug/l	95
28) Bromochloromethane	7.824	49	85875	50.609	ug/l	96
29) Tetrahydrofuran	7.847	42	331490	286.078	ug/l	97
30) Chloroform	7.977	83	205566	59.645	ug/l	100
31) Cyclohexane	8.265	56	176500	52.736	ug/l	98
32) 1,1,1-Trichloroethane	8.177	97	173980	59.352	ug/l	98
36) 1,1-Dichloropropene	8.377	75	149017	61.603	ug/l	98
37) Ethyl Acetate	7.571	43	192772	62.602	ug/l	97
38) Carbon Tetrachloride	8.371	117	145730	61.364	ug/l	99
39) Methylcyclohexane	9.606	83	169260	51.073	ug/l	100
40) Benzene	8.612	78	472508	59.735	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.782	41	103693	59.959	ug/l	98
42) 1,2-Dichloroethane	8.677	62	154680	64.471	ug/l	97
43) Isopropyl Acetate	8.694	43	295454	59.780	ug/l	99
44) Trichloroethene	9.353	130	109561	58.413	ug/l	97
45) 1,2-Dichloropropane	9.624	63	119863	62.285	ug/l	99
46) Dibromomethane	9.712	93	79171	61.938	ug/l	98
47) Bromodichloromethane	9.888	83	164179	62.427	ug/l	100
48) Methyl methacrylate	9.682	41	138091	60.705	ug/l	96
49) 1,4-Dioxane	9.700	88	39257	948.610	ug/l #	99
51) 4-Methyl-2-Pentanone	10.447	43	933927	313.887	ug/l	97
52) Toluene	10.629	92	290716	60.139	ug/l	99
53) t-1,3-Dichloropropene	10.835	75	183061	62.249	ug/l	99
54) cis-1,3-Dichloropropene	10.312	75	195614	62.168	ug/l	94
55) 1,1,2-Trichloroethane	11.018	97	111460	59.923	ug/l	98
56) Ethyl methacrylate	10.876	69	187639	63.335	ug/l	98
57) 1,3-Dichloropropane	11.165	76	195875	60.705	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.159	63	503254	284.796	ug/l	98
59) 2-Hexanone	11.200	43	612004	319.329	ug/l	100
60) Dibromochloromethane	11.359	129	120564	62.211	ug/l	99
61) 1,2-Dibromoethane	11.470	107	114137	59.866	ug/l	98
64) Tetrachloroethene	11.100	164	84998	53.872	ug/l	98
65) Chlorobenzene	11.888	112	318064	57.845	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.959	131	106697	60.366	ug/l	98
67) Ethyl Benzene	11.965	91	552649	58.350	ug/l	99
68) m/p-Xylenes	12.070	106	423286	116.750	ug/l	98
69) o-Xylene	12.394	106	203535	58.616	ug/l	98
70) Styrene	12.412	104	355472	59.825	ug/l	99
71) Bromoform	12.576	173	81387	62.145	ug/l #	99
73) Isopropylbenzene	12.694	105	518199	55.100	ug/l	100
74) N-amyl acetate	12.517	43	162979m	49.592	ug/l	
75) 1,1,2,2-Tetrachloroethane	12.935	83	183281	57.525	ug/l	100
76) 1,2,3-Trichloropropane	12.988	75	150657m	49.096	ug/l	
77) Bromobenzene	12.976	156	121969	56.551	ug/l	97
78) n-propylbenzene	13.035	91	636602	55.700	ug/l	100
79) 2-Chlorotoluene	13.123	91	379482	55.365	ug/l	99
80) 1,3,5-Trimethylbenzene	13.170	105	427521	55.060	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.735	75	69955	52.477	ug/l	96
82) 4-Chlorotoluene	13.217	91	397718	57.347	ug/l	99
83) tert-Butylbenzene	13.435	119	367939	51.767	ug/l	98
84) 1,2,4-Trimethylbenzene	13.476	105	441855	56.749	ug/l	99
85) sec-Butylbenzene	13.612	105	533037	51.642	ug/l	100
86) p-Isopropyltoluene	13.729	119	433993	50.865	ug/l	99
87) 1,3-Dichlorobenzene	13.735	146	236401	55.709	ug/l	99
88) 1,4-Dichlorobenzene	13.812	146	247915	57.303	ug/l	99
89) n-Butylbenzene	14.053	91	410039	49.615	ug/l	98
90) Hexachloroethane	14.329	117	82433	56.997	ug/l	95
91) 1,2-Dichlorobenzene	14.106	146	231532	56.791	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	39178	51.417	ug/l	93
93) 1,2,4-Trichlorobenzene	15.388	180	131272	50.424	ug/l	98
94) Hexachlorobutadiene	15.500	225	36257	37.381	ug/l	96
95) Naphthalene	15.635	128	492717	50.847	ug/l	99
96) 1,2,3-Trichlorobenzene	15.835	180	128140	49.541	ug/l	98

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

