

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060925\
 Data File : VN086888.D
 Acq On : 09 Jun 2025 08:37
 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 06/10/2025
 Supervised By : Mahesh Dadoda 06/10/2025

Quant Time: Jun 10 03:26:22 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	8.229	168	261450	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	451735	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	380922	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	178512	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	151401	43.251	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	86.500%		
35) Dibromofluoromethane	8.171	113	133059	49.703	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	99.400%		
50) Toluene-d8	10.565	98	508186	47.952	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	95.900%		
62) 4-Bromofluorobenzene	12.847	95	183178	46.522	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	93.040%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.153	85	131431	50.418	ug/l	100
3) Chloromethane	2.395	50	142334	42.283	ug/l	100
4) Vinyl Chloride	2.553	62	165927	47.784	ug/l	100
5) Bromomethane	2.995	94	85311	43.902	ug/l	97
6) Chloroethane	3.153	64	108042	48.168	ug/l	97
7) Trichlorofluoromethane	3.530	101	219379	48.355	ug/l	98
8) Diethyl Ether	3.983	74	100884	51.036	ug/l	92
9) 1,1,2-Trichlorotrifluo...	4.394	101	136423	47.861	ug/l	98
10) Methyl Iodide	4.612	142	158675	42.943	ug/l	99
11) Tert butyl alcohol	5.536	59	189595	199.609	ug/l	100
12) 1,1-Dichloroethene	4.365	96	145286	49.926	ug/l	93
13) Acrolein	4.200	56	58499	194.571	ug/l	99
14) Allyl chloride	5.047	41	208266	43.154	ug/l	94
15) Acrylonitrile	5.730	53	500417	225.403	ug/l	99
16) Acetone	4.442	43	400746	215.878	ug/l	97
17) Carbon Disulfide	4.736	76	371521	46.155	ug/l	100
18) Methyl Acetate	5.041	43	233967	43.249	ug/l	96
19) Methyl tert-butyl Ether	5.812	73	517229	49.089	ug/l	100
20) Methylene Chloride	5.300	84	161828	46.563	ug/l	95
21) trans-1,2-Dichloroethene	5.806	96	152734	47.175	ug/l	94
22) Diisopropyl ether	6.683	45	463864	45.597	ug/l	96
23) Vinyl Acetate	6.618	43	1964382	228.547	ug/l	97
24) 1,1-Dichloroethane	6.588	63	275601	47.076	ug/l	99
25) 2-Butanone	7.488	43	622664	206.354	ug/l	96
26) 2,2-Dichloropropane	7.500	77	242583	53.268	ug/l	98
27) cis-1,2-Dichloroethene	7.500	96	188349	48.643	ug/l	97
28) Bromochloromethane	7.824	49	118085	41.024	ug/l	89
29) Tetrahydrofuran	7.847	42	407833	207.479	ug/l	94
30) Chloroform	7.977	83	275806	47.175	ug/l	97
31) Cyclohexane	8.265	56	231271	40.735	ug/l	95
32) 1,1,1-Trichloroethane	8.177	97	228902	46.033	ug/l	96
36) 1,1-Dichloropropene	8.377	75	196210	49.186	ug/l	98
37) Ethyl Acetate	7.571	43	233388	45.959	ug/l	99
38) Carbon Tetrachloride	8.371	117	194527	49.670	ug/l	99
39) Methylcyclohexane	9.606	83	243701	44.591	ug/l	95
40) Benzene	8.612	78	642732	49.272	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.788	41	127571	44.731	ug/l	93
42) 1,2-Dichloroethane	8.677	62	189921	48.002	ug/l	98
43) Isopropyl Acetate	8.694	43	373849	45.868	ug/l	96
44) Trichloroethene	9.353	130	159166	51.458	ug/l	98
45) 1,2-Dichloropropane	9.624	63	156517	49.319	ug/l	99
46) Dibromomethane	9.712	93	109794	52.086	ug/l	96
47) Bromodichloromethane	9.888	83	216561	49.933	ug/l	99
48) Methyl methacrylate	9.682	41	170025	45.323	ug/l	95
49) 1,4-Dioxane	9.700	88	61836	906.076	ug/l #	96
51) 4-Methyl-2-Pentanone	10.447	43	1145420	233.442	ug/l	96
52) Toluene	10.629	92	396562	49.745	ug/l	100
53) t-1,3-Dichloropropene	10.835	75	252866	52.141	ug/l	98
54) cis-1,3-Dichloropropene	10.312	75	269095	51.859	ug/l	97
55) 1,1,2-Trichloroethane	11.018	97	153943	50.186	ug/l	99
56) Ethyl methacrylate	10.876	69	265661	54.375	ug/l	92
57) 1,3-Dichloropropane	11.165	76	265229	49.844	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.159	63	673133	230.994	ug/l	96
59) 2-Hexanone	11.200	43	772443	244.401	ug/l	96
60) Dibromochloromethane	11.359	129	169362	52.993	ug/l	99
61) 1,2-Dibromoethane	11.470	107	160398	51.016	ug/l	100
64) Tetrachloroethene	11.106	164	121144	50.252	ug/l	95
65) Chlorobenzene	11.888	112	434126	51.673	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.959	131	142266	52.679	ug/l	99
67) Ethyl Benzene	11.965	91	716652	49.523	ug/l	100
68) m/p-Xylenes	12.070	106	565069	102.006	ug/l	97
69) o-Xylene	12.394	106	274597	51.757	ug/l	96
70) Styrene	12.412	104	475772	52.406	ug/l	99
71) Bromoform	12.576	173	114286	57.115	ug/l #	99
73) Isopropylbenzene	12.694	105	664595	51.104	ug/l	99
74) N-amyl acetate	12.506	43	251426	55.326	ug/l #	91
75) 1,1,2,2-Tetrachloroethane	12.935	83	234561	53.240	ug/l	99
76) 1,2,3-Trichloropropane	12.994	75	198486m	46.776	ug/l	
77) Bromobenzene	12.982	156	168142	56.377	ug/l	94
78) n-propylbenzene	13.035	91	787597	49.835	ug/l	98
79) 2-Chlorotoluene	13.123	91	476012	50.223	ug/l	97
80) 1,3,5-Trimethylbenzene	13.170	105	544603	50.722	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.735	75	106090	57.553	ug/l	89
82) 4-Chlorotoluene	13.217	91	488581	50.946	ug/l	98
83) tert-Butylbenzene	13.435	119	499574	50.830	ug/l	97
84) 1,2,4-Trimethylbenzene	13.482	105	553058	51.368	ug/l	100
85) sec-Butylbenzene	13.612	105	691815	48.470	ug/l	99
86) p-Isopropyltoluene	13.729	119	588262	49.859	ug/l	98
87) 1,3-Dichlorobenzene	13.729	146	306195	52.181	ug/l	99
88) 1,4-Dichlorobenzene	13.812	146	313266	52.364	ug/l	99
89) n-Butylbenzene	14.053	91	525720	46.003	ug/l	98
90) Hexachloroethane	14.329	117	98638	49.322	ug/l	97
91) 1,2-Dichlorobenzene	14.106	146	294253	52.195	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.717	75	49360	46.847	ug/l	87
93) 1,2,4-Trichlorobenzene	15.388	180	175725	48.814	ug/l	99
94) Hexachlorobutadiene	15.500	225	57205	42.652	ug/l	98
95) Naphthalene	15.635	128	668022	49.854	ug/l	100
96) 1,2,3-Trichlorobenzene	15.835	180	167447	46.816	ug/l	100

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

