

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061025\
 Data File : VN086938.D
 Acq On : 10 Jun 2025 18:57
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 06/11/2025
 Supervised By : Mahesh Dadoda 06/11/2025

Quant Time: Jun 11 04:18:57 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	176719	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	308698	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	269587	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	132769	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	98074	41.450	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	82.900%		
35) Dibromofluoromethane	8.177	113	87160	47.644	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	95.280%		
50) Toluene-d8	10.571	98	334058	46.127	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	92.260%		
62) 4-Bromofluorobenzene	12.847	95	125834	46.767	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	93.540%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.154	85	90452	51.335	ug/l	98
3) Chloromethane	2.395	50	101034	44.405	ug/l	98
4) Vinyl Chloride	2.554	62	121371	51.711	ug/l	99
5) Bromomethane	3.001	94	46198	35.173	ug/l	100
6) Chloroethane	3.159	64	78079	51.500	ug/l	97
7) Trichlorofluoromethane	3.530	101	157218	51.268	ug/l	100
8) Diethyl Ether	3.983	74	69342	51.899	ug/l	92
9) 1,1,2-Trichlorotrifluo...	4.400	101	98032	50.883	ug/l	98
10) Methyl Iodide	4.618	142	88226	35.325	ug/l	97
11) Tert butyl alcohol	5.536	59	143421	223.394	ug/l	99
12) 1,1-Dichloroethene	4.365	96	104047	52.898	ug/l	93
13) Acrolein	4.200	56	11481	56.496	ug/l	95
14) Allyl chloride	5.047	41	146046	44.771	ug/l	95
15) Acrylonitrile	5.736	53	346563	230.949	ug/l	100
16) Acetone	4.447	43	258365	205.910	ug/l	96
17) Carbon Disulfide	4.742	76	308599	56.720	ug/l	99
18) Methyl Acetate	5.042	43	133291	36.453	ug/l	94
19) Methyl tert-butyl Ether	5.818	73	345648	48.534	ug/l	100
20) Methylene Chloride	5.300	84	114593	48.781	ug/l	92
21) trans-1,2-Dichloroethene	5.806	96	110123	50.322	ug/l	98
22) Diisopropyl ether	6.683	45	311728	45.335	ug/l	95
23) Vinyl Acetate	6.618	43	1397734	240.591	ug/l	96
24) 1,1-Dichloroethane	6.583	63	193464	48.891	ug/l	99
25) 2-Butanone	7.494	43	437923	214.715	ug/l	94
26) 2,2-Dichloropropane	7.500	77	149604	48.602	ug/l	98
27) cis-1,2-Dichloroethene	7.500	96	132603	50.666	ug/l	95
28) Bromochloromethane	7.824	49	73339	37.695	ug/l	88
29) Tetrahydrofuran	7.847	42	290520	218.662	ug/l	93
30) Chloroform	7.977	83	189838	48.039	ug/l	95
31) Cyclohexane	8.265	56	175800	45.811	ug/l	94
32) 1,1,1-Trichloroethane	8.177	97	163721	48.711	ug/l	98
36) 1,1-Dichloropropene	8.377	75	144891	53.151	ug/l	98
37) Ethyl Acetate	7.571	43	169435	48.826	ug/l	98
38) Carbon Tetrachloride	8.371	117	138285	51.670	ug/l	98
39) Methylcyclohexane	9.606	83	181379	48.565	ug/l	95
40) Benzene	8.612	78	459444	51.541	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.788	41	85278	43.757	ug/l	90
42) 1,2-Dichloroethane	8.677	62	134489	49.742	ug/l	99
43) Isopropyl Acetate	8.694	43	257199	46.178	ug/l	96
44) Trichloroethene	9.359	130	116889	55.301	ug/l	95
45) 1,2-Dichloropropane	9.624	63	108258	49.919	ug/l	98
46) Dibromomethane	9.712	93	76994	53.450	ug/l	97
47) Bromodichloromethane	9.888	83	149176	50.334	ug/l	97
48) Methyl methacrylate	9.682	41	119559	46.638	ug/l	94
49) 1,4-Dioxane	9.700	88	50710	1087.344	ug/l #	93
51) 4-Methyl-2-Pentanone	10.447	43	791040	235.919	ug/l	96
52) Toluene	10.629	92	287508	52.776	ug/l	100
53) t-1,3-Dichloropropene	10.835	75	172844	52.155	ug/l	98
54) cis-1,3-Dichloropropene	10.312	75	184125	51.925	ug/l	95
55) 1,1,2-Trichloroethane	11.018	97	106701	50.903	ug/l	99
56) Ethyl methacrylate	10.876	69	181431	54.342	ug/l	92
57) 1,3-Dichloropropane	11.165	76	184198	50.656	ug/l	98
58) 2-Chloroethyl Vinyl ether	10.165	63	236277	118.651	ug/l	97
59) 2-Hexanone	11.200	43	518664	240.145	ug/l	90
60) Dibromochloromethane	11.359	129	116659	53.416	ug/l	100
61) 1,2-Dibromoethane	11.471	107	114780	53.422	ug/l	98
64) Tetrachloroethene	11.106	164	91874	53.850	ug/l	95
65) Chlorobenzene	11.894	112	316696	53.264	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.959	131	98580	51.578	ug/l	99
67) Ethyl Benzene	11.965	91	536714	52.405	ug/l	99
68) m/p-Xylenes	12.071	106	418936	106.858	ug/l	98
69) o-Xylene	12.394	106	201312	53.615	ug/l	96
70) Styrene	12.412	104	343422	53.450	ug/l	99
71) Bromoform	12.576	173	78819	55.657	ug/l #	99
73) Isopropylbenzene	12.694	105	489897	50.649	ug/l	100
74) N-amyl acetate	12.512	43	153120	45.303	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.935	83	166262	50.740	ug/l	98
76) 1,2,3-Trichloropropane	12.994	75	140564m	44.539	ug/l	
77) Bromobenzene	12.982	156	121326	54.696	ug/l	94
78) n-propylbenzene	13.035	91	582741	49.576	ug/l	99
79) 2-Chlorotoluene	13.123	91	355375	50.413	ug/l	98
80) 1,3,5-Trimethylbenzene	13.170	105	398214	49.866	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.735	75	65200m	47.557	ug/l	
82) 4-Chlorotoluene	13.218	91	362142	50.772	ug/l	99
83) tert-Butylbenzene	13.435	119	355100	48.578	ug/l	98
84) 1,2,4-Trimethylbenzene	13.482	105	411074	51.335	ug/l	99
85) sec-Butylbenzene	13.612	105	495817	46.707	ug/l	99
86) p-Isopropyltoluene	13.729	119	422980	48.202	ug/l	99
87) 1,3-Dichlorobenzene	13.729	146	227571	52.144	ug/l	99
88) 1,4-Dichlorobenzene	13.812	146	233049	52.377	ug/l	100
89) n-Butylbenzene	14.053	91	379576	44.658	ug/l	99
90) Hexachloroethane	14.329	117	69822	46.941	ug/l	98
91) 1,2-Dichlorobenzene	14.106	146	215670	51.437	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	36585	46.685	ug/l	88
93) 1,2,4-Trichlorobenzene	15.388	180	128889	48.139	ug/l	99
94) Hexachlorobutadiene	15.494	225	42093	42.197	ug/l	98
95) Naphthalene	15.635	128	531584	53.340	ug/l	100
96) 1,2,3-Trichlorobenzene	15.835	180	121156	45.544	ug/l	99

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

