

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060325\
 Data File : VN086860.D
 Acq On : 03 Jun 2025 22:13
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Jun 04 02:09:11 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051625W.M
 Quant Title : SW846 8260
 QLast Update : Sat May 17 00:46:13 2025
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By :John Carlone 06/04/2025
 Supervised By :Mahesh Dadoda 06/04/2025

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

Internal Standards						
1) Pentafluorobenzene	8.218	168	237847	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	448231	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	385042	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	176637	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	167960	51.104	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 102.200%			
35) Dibromofluoromethane	8.165	113	137784	51.616	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.240%			
50) Toluene-d8	10.565	98	541062	48.911	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 97.820%			
62) 4-Bromofluorobenzene	12.847	95	195614	50.081	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 100.160%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.130	85	128426	49.999	ug/l	98
3) Chloromethane	2.371	50	226614	58.330	ug/l	98
4) Vinyl Chloride	2.530	62	164476	47.140	ug/l	98
5) Bromomethane	2.965	94	72570	36.079	ug/l	91
6) Chloroethane	3.130	64	108395	47.424	ug/l	96
7) Trichlorofluoromethane	3.501	101	209050	50.136	ug/l	98
8) Diethyl Ether	3.948	74	94325	54.760	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.353	101	129523	51.887	ug/l	98
10) Methyl Iodide	4.577	142	70850	22.817	ug/l	98
11) Tert butyl alcohol	5.518	59	158361	264.564	ug/l	99
12) 1,1-Dichloroethene	4.330	96	133746	50.415	ug/l	97
13) Acrolein	4.165	56	221639	346.371	ug/l	99
14) Allyl chloride	5.012	41	211882	52.768	ug/l	95
15) Acrylonitrile	5.706	53	408207	275.433	ug/l	99
16) Acetone	4.418	43	313862	255.295	ug/l	98
17) Carbon Disulfide	4.700	76	351805	47.898	ug/l	99
18) Methyl Acetate	5.012	43	195106	56.701	ug/l	99
19) Methyl tert-butyl Ether	5.789	73	498503	55.187	ug/l	99
20) Methylene Chloride	5.265	84	159181	49.065	ug/l	97
21) trans-1,2-Dichloroethene	5.777	96	143199	51.054	ug/l	99
22) Diisopropyl ether	6.665	45	503950	55.630	ug/l	97
23) Vinyl Acetate	6.594	43	1872807	275.075	ug/l	99
24) 1,1-Dichloroethane	6.559	63	281535	52.934	ug/l	99
25) 2-Butanone	7.477	43	525443	276.581	ug/l	98
26) 2,2-Dichloropropane	7.483	77	182577	41.597	ug/l	98
27) cis-1,2-Dichloroethene	7.483	96	178848	51.949	ug/l	99
28) Bromochloromethane	7.812	49	122369	50.640	ug/l	98
29) Tetrahydrofuran	7.836	42	348505	281.049	ug/l	97
30) Chloroform	7.965	83	274707	51.603	ug/l	98
31) Cyclohexane	8.253	56	245265	49.723	ug/l	99
32) 1,1,1-Trichloroethane	8.165	97	231483	51.575	ug/l	99
36) 1,1-Dichloropropene	8.365	75	195145	49.561	ug/l	100
37) Ethyl Acetate	7.559	43	207691	52.218	ug/l	98
38) Carbon Tetrachloride	8.359	117	192571	49.637	ug/l	99
39) Methylcyclohexane	9.600	83	215954	50.675	ug/l	97
40) Benzene	8.606	78	642170	49.995	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.771	41	116105	54.064	ug/l	99
42) 1,2-Dichloroethane	8.665	62	195440	48.839	ug/l	98
43) Isopropyl Acetate	8.683	43	359608	45.100	ug/l	98
44) Trichloroethene	9.347	130	145737	47.041	ug/l	98
45) 1,2-Dichloropropane	9.618	63	160238	52.514	ug/l	97
46) Dibromomethane	9.706	93	103887	50.457	ug/l	98
47) Bromodichloromethane	9.888	83	220474	51.971	ug/l	98
48) Methyl methacrylate	9.682	41	170126	55.061	ug/l	96
49) 1,4-Dioxane	9.694	88	61490	939.858	ug/l	95
51) 4-Methyl-2-Pentanone	10.441	43	1045754	260.074	ug/l	99
52) Toluene	10.629	92	395921	49.594	ug/l	99
53) t-1,3-Dichloropropene	10.835	75	236158	52.577	ug/l	100
54) cis-1,3-Dichloropropene	10.312	75	252902	51.580	ug/l	99
55) 1,1,2-Trichloroethane	11.018	97	149956	50.354	ug/l	95
56) Ethyl methacrylate	10.877	69	256083	53.557	ug/l	97
57) 1,3-Dichloropropane	11.159	76	260501	50.776	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.159	63	626076	292.973	ug/l	99
59) 2-Hexanone	11.200	43	696780	237.295	ug/l	99
60) Dibromochloromethane	11.359	129	160748	51.505	ug/l	99
61) 1,2-Dibromoethane	11.471	107	149112	49.827	ug/l	100
64) Tetrachloroethene	11.100	164	112600	38.174	ug/l	97
65) Chlorobenzene	11.888	112	421043	49.867	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.959	131	143457	52.631	ug/l	99
67) Ethyl Benzene	11.965	91	736205	50.906	ug/l	99
68) m/p-Xylenes	12.071	106	562521	102.694	ug/l	99
69) o-Xylene	12.394	106	277645	50.984	ug/l	98
70) Styrene	12.412	104	469860	52.699	ug/l	99
71) Bromoform	12.576	173	103953	53.626	ug/l #	98
73) Isopropylbenzene	12.694	105	676463	49.585	ug/l	100
74) N-amyl acetate	12.500	43	276584	48.524	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.935	83	220238	52.548	ug/l	100
76) 1,2,3-Trichloropropane	12.994	75	181937m	45.543	ug/l	
77) Bromobenzene	12.982	156	158915	46.307	ug/l	98
78) n-propylbenzene	13.035	91	781220	49.899	ug/l	100
79) 2-Chlorotoluene	13.123	91	499025	49.022	ug/l	98
80) 1,3,5-Trimethylbenzene	13.170	105	549556	50.279	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.735	75	80643	50.945	ug/l	97
82) 4-Chlorotoluene	13.223	91	491410	48.725	ug/l	98
83) tert-Butylbenzene	13.435	119	484496	50.829	ug/l	98
84) 1,2,4-Trimethylbenzene	13.482	105	558542	51.316	ug/l	100
85) sec-Butylbenzene	13.618	105	649838	50.844	ug/l	100
86) p-Isopropyltoluene	13.729	119	549161	52.419	ug/l	100
87) 1,3-Dichlorobenzene	13.735	146	285858	48.104	ug/l	99
88) 1,4-Dichlorobenzene	13.812	146	293263	49.808	ug/l	99
89) n-Butylbenzene	14.053	91	463266	53.341	ug/l	99
90) Hexachloroethane	14.335	117	97919	56.333	ug/l	99
91) 1,2-Dichlorobenzene	14.106	146	282360	49.956	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	43835	63.134	ug/l	97
93) 1,2,4-Trichlorobenzene	15.394	180	144933	60.747	ug/l	100
94) Hexachlorobutadiene	15.500	225	48029	48.521	ug/l	98
95) Naphthalene	15.641	128	542100	65.439	ug/l	100
96) 1,2,3-Trichlorobenzene	15.841	180	142416	60.954	ug/l	100

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

