

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052025\
 Data File : VN086706.D
 Acq On : 20 May 2025 10:10
 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 05/21/2025
 Supervised By : Mahesh Dadoda 05/21/2025

Quant Time: May 21 01:39:41 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

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

Internal Standards						
1) Pentafluorobenzene	8.218	168	205373	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.094	114	368766	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	330656	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	158306	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	140561	49.530	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	99.060%		
35) Dibromofluoromethane	8.159	113	109323	49.779	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	99.560%		
50) Toluene-d8	10.565	98	464037	50.988	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	101.980%		
62) 4-Bromofluorobenzene	12.847	95	166939	51.949	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	103.900%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.124	85	123023	55.469	ug/l	98
3) Chloromethane	2.359	50	160437	47.826	ug/l	99
4) Vinyl Chloride	2.512	62	150377	49.914	ug/l	97
5) Bromomethane	2.953	94	78122	44.981	ug/l	96
6) Chloroethane	3.118	64	94267	47.764	ug/l	95
7) Trichlorofluoromethane	3.500	101	176037	48.894	ug/l	98
8) Diethyl Ether	3.959	74	72181	48.530	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.365	101	110807	51.409	ug/l	98
10) Methyl Iodide	4.589	142	120390	44.902	ug/l	98
11) Tert butyl alcohol	5.506	59	111271	215.288	ug/l	99
12) 1,1-Dichloroethene	4.342	96	111576	48.709	ug/l	98
13) Acrolein	4.171	56	121949	220.713	ug/l	100
14) Allyl chloride	5.018	41	170578	49.198	ug/l	98
15) Acrylonitrile	5.712	53	301719	235.773	ug/l	100
16) Acetone	4.418	43	236104	222.413	ug/l	99
17) Carbon Disulfide	4.712	76	316544	49.912	ug/l	100
18) Methyl Acetate	5.018	43	129934	43.732	ug/l	98
19) Methyl tert-butyl Ether	5.789	73	375850	48.188	ug/l	99
20) Methylene Chloride	5.277	84	127658	45.571	ug/l	97
21) trans-1,2-Dichloroethene	5.783	96	118956	49.117	ug/l	97
22) Diisopropyl ether	6.671	45	393646	50.325	ug/l	97
23) Vinyl Acetate	6.594	43	1593512	271.062	ug/l	99
24) 1,1-Dichloroethane	6.565	63	224751	48.939	ug/l	99
25) 2-Butanone	7.477	43	375702	229.031	ug/l	99
26) 2,2-Dichloropropane	7.488	77	194194	51.240	ug/l	99
27) cis-1,2-Dichloroethene	7.483	96	142500	47.936	ug/l	97
28) Bromochloromethane	7.812	49	104951	50.299	ug/l	99
29) Tetrahydrofuran	7.835	42	250372	233.837	ug/l	98
30) Chloroform	7.959	83	219075	47.660	ug/l	95
31) Cyclohexane	8.253	56	201123	47.221	ug/l	97
32) 1,1,1-Trichloroethane	8.165	97	185397	47.838	ug/l	97
36) 1,1-Dichloropropene	8.371	75	161235	49.773	ug/l	100
37) Ethyl Acetate	7.553	43	151180	46.200	ug/l	98
38) Carbon Tetrachloride	8.359	117	157806	49.442	ug/l	99
39) Methylcyclohexane	9.594	83	183114	52.228	ug/l	100
40) Benzene	8.600	78	515713	48.802	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.771	41	84964	48.089	ug/l	97
42) 1,2-Dichloroethane	8.665	62	158419	48.118	ug/l	100
43) Isopropyl Acetate	8.682	43	272620	41.558	ug/l	100
44) Trichloroethene	9.347	130	127528	50.034	ug/l	100
45) 1,2-Dichloropropane	9.618	63	126312	50.316	ug/l	98
46) Dibromomethane	9.706	93	83334	49.196	ug/l	96
47) Bromodichloromethane	9.882	83	172832	49.519	ug/l	100
48) Methyl methacrylate	9.677	41	122159	48.057	ug/l	98
49) 1,4-Dioxane	9.688	88	51081	949.005	ug/l	97
51) 4-Methyl-2-Pentanone	10.441	43	769877	232.723	ug/l	99
52) Toluene	10.629	92	324042	49.337	ug/l	100
53) t-1,3-Dichloropropene	10.829	75	190050	51.430	ug/l	99
54) cis-1,3-Dichloropropene	10.306	75	204720	50.750	ug/l	98
55) 1,1,2-Trichloroethane	11.012	97	115949	47.325	ug/l	98
56) Ethyl methacrylate	10.871	69	195497	49.697	ug/l	98
57) 1,3-Dichloropropane	11.159	76	205971	48.799	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.153	63	461287	262.375	ug/l	99
59) 2-Hexanone	11.188	43	563592	233.296	ug/l	100
60) Dibromochloromethane	11.353	129	127652	49.715	ug/l	99
61) 1,2-Dibromoethane	11.465	107	118801	48.253	ug/l	99
64) Tetrachloroethene	11.100	164	127839	50.469	ug/l	97
65) Chlorobenzene	11.888	112	352077	48.558	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.959	131	113931	48.674	ug/l	99
67) Ethyl Benzene	11.959	91	617911	49.754	ug/l	99
68) m/p-Xylenes	12.065	106	480059	102.055	ug/l	99
69) o-Xylene	12.394	106	231309	49.461	ug/l	98
70) Styrene	12.406	104	389526	50.875	ug/l	100
71) Bromoform	12.576	173	81919	49.210	ug/l #	97
73) Isopropylbenzene	12.688	105	557238	45.576	ug/l	100
74) N-amyl acetate	12.488	43	228465	44.724	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.935	83	157289	41.874	ug/l	100
76) 1,2,3-Trichloropropane	12.988	75	171704m	47.959	ug/l	
77) Bromobenzene	12.976	156	134808	43.831	ug/l	98
78) n-propylbenzene	13.029	91	670540	47.789	ug/l	100
79) 2-Chlorotoluene	13.123	91	418837	45.909	ug/l	99
80) 1,3,5-Trimethylbenzene	13.170	105	465665	47.538	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.735	75	70552	49.731	ug/l	91
82) 4-Chlorotoluene	13.217	91	426862	47.226	ug/l	99
83) tert-Butylbenzene	13.435	119	394822	46.218	ug/l	99
84) 1,2,4-Trimethylbenzene	13.476	105	477829	48.984	ug/l	99
85) sec-Butylbenzene	13.612	105	560705	48.950	ug/l	100
86) p-Isopropyltoluene	13.723	119	475836	50.679	ug/l	100
87) 1,3-Dichlorobenzene	13.729	146	257070	48.269	ug/l	100
88) 1,4-Dichlorobenzene	13.806	146	256346	48.580	ug/l	99
89) n-Butylbenzene	14.053	91	414140	53.206	ug/l	99
90) Hexachloroethane	14.329	117	77642	49.839	ug/l	99
91) 1,2-Dichlorobenzene	14.106	146	246118	48.586	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.717	75	30013	48.232	ug/l	98
93) 1,2,4-Trichlorobenzene	15.388	180	111492	52.142	ug/l	99
94) Hexachlorobutadiene	15.494	225	44791	50.489	ug/l	98
95) Naphthalene	15.635	128	357215	48.114	ug/l	100
96) 1,2,3-Trichlorobenzene	15.835	180	105138	50.210	ug/l	100

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

