

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052825\
 Data File : VN086802.D
 Acq On : 28 May 2025 16:34
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Quant Time: May 29 04:03:26 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 05/29/2025
 Supervised By : Mahesh Dadoda 05/29/2025

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

Internal Standards						
1) Pentafluorobenzene	8.218	168	202638	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	361306	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	321056	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	155644	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.576	65	131500	46.963	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	93.920%		
35) Dibromofluoromethane	8.165	113	109197	50.748	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	101.500%		
50) Toluene-d8	10.565	98	455862	51.124	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	102.240%		
62) 4-Bromofluorobenzene	12.847	95	164534	52.258	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	104.520%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.124	85	116435	53.207	ug/l	99
3) Chloromethane	2.359	50	149489	45.164	ug/l	98
4) Vinyl Chloride	2.512	62	142131	47.814	ug/l	100
5) Bromomethane	2.947	94	72727	42.440	ug/l	95
6) Chloroethane	3.112	64	89459	45.939	ug/l	98
7) Trichlorofluoromethane	3.500	101	174712	49.181	ug/l	95
8) Diethyl Ether	3.959	74	74251	50.596	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.371	101	112257	52.784	ug/l	99
10) Methyl Iodide	4.589	142	125205	47.328	ug/l	98
11) Tert butyl alcohol	5.518	59	94719	185.736	ug/l	99
12) 1,1-Dichloroethene	4.341	96	110820	49.032	ug/l	92
13) Acrolein	4.177	56	69943	128.297	ug/l	99
14) Allyl chloride	5.024	41	165146	48.274	ug/l	94
15) Acrylonitrile	5.718	53	291155	230.588	ug/l	100
16) Acetone	4.418	43	243114	232.108	ug/l	94
17) Carbon Disulfide	4.712	76	297260	47.504	ug/l	99
18) Methyl Acetate	5.018	43	153862	52.484	ug/l	97
19) Methyl tert-butyl Ether	5.794	73	381764	49.606	ug/l	99
20) Methylene Chloride	5.271	84	125733	45.489	ug/l	98
21) trans-1,2-Dichloroethene	5.783	96	115691	48.414	ug/l	96
22) Diisopropyl ether	6.665	45	380036	49.241	ug/l	98
23) Vinyl Acetate	6.600	43	972374	167.637	ug/l	99
24) 1,1-Dichloroethane	6.571	63	221198	48.816	ug/l	99
25) 2-Butanone	7.477	43	370306	228.789	ug/l	99
26) 2,2-Dichloropropane	7.488	77	192805	51.560	ug/l	100
27) cis-1,2-Dichloroethene	7.482	96	143605	48.959	ug/l	99
28) Bromochloromethane	7.812	49	96369	46.809	ug/l	94
29) Tetrahydrofuran	7.835	42	233127	220.669	ug/l	98
30) Chloroform	7.965	83	219153	48.321	ug/l	99
31) Cyclohexane	8.253	56	194001	46.164	ug/l	98
32) 1,1,1-Trichloroethane	8.165	97	183898	48.092	ug/l	99
36) 1,1-Dichloropropene	8.371	75	158715	50.006	ug/l	99
37) Ethyl Acetate	7.559	43	138981	43.349	ug/l	99
38) Carbon Tetrachloride	8.359	117	157647	50.412	ug/l	99
39) Methylcyclohexane	9.600	83	181582	52.860	ug/l	97
40) Benzene	8.600	78	514082	49.652	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.771	41	78942	45.603	ug/l	97
42) 1,2-Dichloroethane	8.665	62	151796	47.059	ug/l	97
43) Isopropyl Acetate	8.682	43	250913	39.039	ug/l	96
44) Trichloroethene	9.347	130	144030	57.675	ug/l	99
45) 1,2-Dichloropropane	9.618	63	125664	51.091	ug/l	99
46) Dibromomethane	9.706	93	80982	48.795	ug/l	100
47) Bromodichloromethane	9.882	83	172861	50.550	ug/l	97
48) Methyl methacrylate	9.676	41	115051	46.195	ug/l	94
49) 1,4-Dioxane	9.694	88	43426	823.445	ug/l #	96
51) 4-Methyl-2-Pentanone	10.441	43	736578	227.255	ug/l	98
52) Toluene	10.629	92	319579	49.662	ug/l	100
53) t-1,3-Dichloropropene	10.835	75	186806	51.596	ug/l	97
54) cis-1,3-Dichloropropene	10.312	75	204958	51.858	ug/l	95
55) 1,1,2-Trichloroethane	11.012	97	117833	49.087	ug/l	97
56) Ethyl methacrylate	10.870	69	196636	51.018	ug/l	96
57) 1,3-Dichloropropane	11.159	76	206104	49.838	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.159	63	487772	283.168	ug/l	100
59) 2-Hexanone	11.194	43	539041	227.741	ug/l	98
60) Dibromochloromethane	11.353	129	131436	52.246	ug/l	99
61) 1,2-Dibromoethane	11.465	107	117587	48.746	ug/l	100
64) Tetrachloroethene	11.100	164	165804	67.415	ug/l	97
65) Chlorobenzene	11.888	112	352791	50.111	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.959	131	117357	51.636	ug/l	99
67) Ethyl Benzene	11.959	91	606945	50.333	ug/l	97
68) m/p-Xylenes	12.070	106	476195	104.260	ug/l	97
69) o-Xylene	12.394	106	231413	50.963	ug/l	99
70) Styrene	12.406	104	386464	51.984	ug/l	99
71) Bromoform	12.576	173	85051	52.619	ug/l #	98
73) Isopropylbenzene	12.694	105	556753	46.315	ug/l	99
74) N-amyl acetate	12.494	43	203380	40.494	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.935	83	126082	34.140	ug/l	99
76) 1,2,3-Trichloropropane	12.988	75	170080m	48.318	ug/l	
77) Bromobenzene	12.976	156	135519	44.816	ug/l	98
78) n-propylbenzene	13.029	91	661410	47.944	ug/l	100
79) 2-Chlorotoluene	13.123	91	412327	45.968	ug/l	99
80) 1,3,5-Trimethylbenzene	13.170	105	462688	48.041	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.735	75	68121	48.839	ug/l	88
82) 4-Chlorotoluene	13.217	91	416711	46.892	ug/l	99
83) tert-Butylbenzene	13.435	119	395530	47.092	ug/l	98
84) 1,2,4-Trimethylbenzene	13.476	105	468704	48.871	ug/l	100
85) sec-Butylbenzene	13.611	105	549195	48.766	ug/l	99
86) p-Isopropyltoluene	13.723	119	465379	50.413	ug/l	99
87) 1,3-Dichlorobenzene	13.729	146	257228	49.124	ug/l	99
88) 1,4-Dichlorobenzene	13.811	146	256666	49.472	ug/l	100
89) n-Butylbenzene	14.053	91	400332	52.312	ug/l	99
90) Hexachloroethane	14.329	117	76870	50.188	ug/l	100
91) 1,2-Dichlorobenzene	14.106	146	248760	49.947	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	28645	46.821	ug/l	97
93) 1,2,4-Trichlorobenzene	15.388	180	113477	53.978	ug/l	98
94) Hexachlorobutadiene	15.494	225	46239	53.013	ug/l	99
95) Naphthalene	15.635	128	364701	49.962	ug/l	100
96) 1,2,3-Trichlorobenzene	15.835	180	108670	52.784	ug/l	99

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

