

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061025\
 Data File : VN086913.D
 Acq On : 10 Jun 2025 09:13
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Quant Time: Jun 11 01:47:05 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

Manual Integrations APPROVED

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

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	239452	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	422119	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	362285	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	170987	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	146800	45.789	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	91.580%		
35) Dibromofluoromethane	8.171	113	127253	50.869	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	101.740%		
50) Toluene-d8	10.565	98	486698	49.146	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	98.300%		
62) 4-Bromofluorobenzene	12.847	95	177087	48.131	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	96.260%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.154	85	120199	50.345	ug/l	98
3) Chloromethane	2.395	50	132091	42.845	ug/l	99
4) Vinyl Chloride	2.554	62	156438	49.190	ug/l	98
5) Bromomethane	2.989	94	85611	48.104	ug/l	96
6) Chloroethane	3.154	64	100888	49.111	ug/l	96
7) Trichlorofluoromethane	3.530	101	203113	48.882	ug/l	99
8) Diethyl Ether	3.983	74	90847	50.181	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.395	101	126828	48.583	ug/l	98
10) Methyl Iodide	4.612	142	142941	42.239	ug/l	99
11) Tert butyl alcohol	5.536	59	177401	203.929	ug/l	99
12) 1,1-Dichloroethene	4.371	96	131127	49.200	ug/l	96
13) Acrolein	4.195	56	63063	229.021	ug/l	98
14) Allyl chloride	5.048	41	197016	44.573	ug/l	96
15) Acrylonitrile	5.736	53	467151	229.750	ug/l	100
16) Acetone	4.442	43	416888	245.204	ug/l	100
17) Carbon Disulfide	4.736	76	341962	46.386	ug/l	99
18) Methyl Acetate	5.042	43	225420	45.497	ug/l	98
19) Methyl tert-butyl Ether	5.812	73	478684	49.605	ug/l	99
20) Methylene Chloride	5.295	84	147723	46.410	ug/l	95
21) trans-1,2-Dichloroethene	5.806	96	140464	47.370	ug/l	97
22) Diisopropyl ether	6.683	45	439557	47.178	ug/l	98
23) Vinyl Acetate	6.618	43	1865051	236.925	ug/l	98
24) 1,1-Dichloroethane	6.589	63	258382	48.190	ug/l	100
25) 2-Butanone	7.489	43	590344	213.617	ug/l	96
26) 2,2-Dichloropropane	7.500	77	225847	54.150	ug/l	100
27) cis-1,2-Dichloroethene	7.500	96	172582	48.666	ug/l	99
28) Bromochloromethane	7.824	49	113231	42.951	ug/l	92
29) Tetrahydrofuran	7.847	42	389154	216.165	ug/l	96
30) Chloroform	7.977	83	252183	47.097	ug/l	99
31) Cyclohexane	8.265	56	217182	41.767	ug/l	94
32) 1,1,1-Trichloroethane	8.177	97	214121	47.016	ug/l	98
36) 1,1-Dichloropropene	8.377	75	184378	49.463	ug/l	99
37) Ethyl Acetate	7.571	43	220517	46.471	ug/l	98
38) Carbon Tetrachloride	8.371	117	181026	49.466	ug/l	99
39) Methylcyclohexane	9.606	83	220974	43.269	ug/l	93
40) Benzene	8.612	78	591102	48.493	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.783	41	120605	45.256	ug/l	93
42) 1,2-Dichloroethane	8.677	62	179943	48.671	ug/l	100
43) Isopropyl Acetate	8.694	43	350324	45.998	ug/l	97
44) Trichloroethene	9.359	130	145683	50.404	ug/l	96
45) 1,2-Dichloropropane	9.624	63	145320	49.004	ug/l	100
46) Dibromomethane	9.712	93	99996	50.766	ug/l	99
47) Bromodichloromethane	9.888	83	202301	49.918	ug/l	99
48) Methyl methacrylate	9.683	41	159853	45.601	ug/l	96
49) 1,4-Dioxane	9.700	88	56947	892.983	ug/l #	97
51) 4-Methyl-2-Pentanone	10.447	43	1081942	235.975	ug/l	97
52) Toluene	10.630	92	367587	49.345	ug/l	98
53) t-1,3-Dichloropropene	10.835	75	234554	51.759	ug/l	98
54) cis-1,3-Dichloropropene	10.312	75	249744	51.506	ug/l	99
55) 1,1,2-Trichloroethane	11.018	97	142700	49.785	ug/l	98
56) Ethyl methacrylate	10.877	69	248574	54.447	ug/l	93
57) 1,3-Dichloropropane	11.165	76	244911	49.255	ug/l	98
58) 2-Chloroethyl Vinyl ether	10.159	63	665707	244.474	ug/l	97
59) 2-Hexanone	11.200	43	715095	242.131	ug/l	93
60) Dibromochloromethane	11.359	129	153400	51.366	ug/l	99
61) 1,2-Dibromoethane	11.471	107	147800	50.307	ug/l	97
64) Tetrachloroethene	11.106	164	111601	48.675	ug/l	97
65) Chlorobenzene	11.888	112	404797	50.661	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.959	131	132787	51.699	ug/l	99
67) Ethyl Benzene	11.965	91	668179	48.548	ug/l	99
68) m/p-Xylenes	12.071	106	526722	99.975	ug/l	99
69) o-Xylene	12.394	106	258839	51.297	ug/l	95
70) Styrene	12.412	104	446437	51.704	ug/l	99
71) Bromoform	12.576	173	104086	54.693	ug/l #	100
73) Isopropylbenzene	12.694	105	621794	49.917	ug/l	99
74) N-amyl acetate	12.506	43	231590	53.204	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.935	83	216753	51.363	ug/l	98
76) 1,2,3-Trichloropropane	12.994	75	182840m	44.986	ug/l	
77) Bromobenzene	12.976	156	154418	54.054	ug/l	97
78) n-propylbenzene	13.035	91	736021	48.621	ug/l	98
79) 2-Chlorotoluene	13.124	91	443618	48.865	ug/l	97
80) 1,3,5-Trimethylbenzene	13.171	105	505593	49.161	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.735	75	91865m	52.029	ug/l	
82) 4-Chlorotoluene	13.218	91	463176	50.423	ug/l	99
83) tert-Butylbenzene	13.435	119	440956	46.840	ug/l	99
84) 1,2,4-Trimethylbenzene	13.476	105	509675	49.422	ug/l	98
85) sec-Butylbenzene	13.612	105	629702	46.060	ug/l	99
86) p-Isopropyltoluene	13.729	119	535293	47.367	ug/l	98
87) 1,3-Dichlorobenzene	13.729	146	286869	51.039	ug/l	99
88) 1,4-Dichlorobenzene	13.812	146	290947	50.774	ug/l	100
89) n-Butylbenzene	14.053	91	485793	44.380	ug/l	99
90) Hexachloroethane	14.329	117	92000	48.027	ug/l	99
91) 1,2-Dichlorobenzene	14.106	146	274399	50.816	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.718	75	47339	46.906	ug/l	93
93) 1,2,4-Trichlorobenzene	15.388	180	156993	45.529	ug/l	99
94) Hexachlorobutadiene	15.500	225	48622	37.848	ug/l	95
95) Naphthalene	15.635	128	625189	48.711	ug/l	100
96) 1,2,3-Trichlorobenzene	15.835	180	146962	42.897	ug/l	99

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

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