

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062425\
 Data File : VN087149.D
 Acq On : 24 Jun 2025 11:14
 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 25 04:13:31 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 06/25/2025
 Supervised By : Mahesh Dadoda 06/25/2025

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	137487	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	272967	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	232699	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	123154	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	97653	53.049	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 106.100%			
35) Dibromofluoromethane	8.171	113	79474	49.129	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 98.260%			
50) Toluene-d8	10.571	98	328802	51.344	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 102.680%			
62) 4-Bromofluorobenzene	12.847	95	130238	54.739	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 109.480%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.153	85	75859	55.338	ug/l	99
3) Chloromethane	2.395	50	87612	49.494	ug/l	94
4) Vinyl Chloride	2.553	62	97918	53.623	ug/l	100
5) Bromomethane	2.989	94	61112	59.804	ug/l	94
6) Chloroethane	3.148	64	79744	67.608	ug/l	100
7) Trichlorofluoromethane	3.524	101	158516	66.442	ug/l	97
8) Diethyl Ether	3.983	74	54183	52.125	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.400	101	78821	52.586	ug/l	99
10) Methyl Iodide	4.612	142	70970	36.525	ug/l	95
11) Tert butyl alcohol	5.542	59	122893	246.041	ug/l	100
12) 1,1-Dichloroethene	4.365	96	77987	50.963	ug/l	95
13) Acrolein	4.200	56	31770	200.944	ug/l	100
14) Allyl chloride	5.042	41	131514	51.821	ug/l	96
15) Acrylonitrile	5.736	53	312758	267.894	ug/l	99
16) Acetone	4.442	43	225499	230.999	ug/l	99
17) Carbon Disulfide	4.736	76	219661	51.894	ug/l	99
18) Methyl Acetate	5.042	43	139036	48.874	ug/l	99
19) Methyl tert-butyl Ether	5.812	73	299001	53.964	ug/l	100
20) Methylene Chloride	5.294	84	94090	51.483	ug/l	98
21) trans-1,2-Dichloroethene	5.806	96	89609	52.632	ug/l	99
22) Diisopropyl ether	6.683	45	296130	55.355	ug/l	96
23) Vinyl Acetate	6.618	43	1278670	282.902	ug/l	100
24) 1,1-Dichloroethane	6.583	63	174758	56.765	ug/l	99
25) 2-Butanone	7.494	43	458814	289.150	ug/l	98
26) 2,2-Dichloropropane	7.500	77	151863	63.415	ug/l	99
27) cis-1,2-Dichloroethene	7.500	96	119405	58.642	ug/l	97
28) Bromochloromethane	7.824	49	78868	52.104	ug/l	96
29) Tetrahydrofuran	7.847	42	305279	295.336	ug/l	99
30) Chloroform	7.977	83	181994	59.196	ug/l	99
31) Cyclohexane	8.265	56	169316	56.711	ug/l	99
32) 1,1,1-Trichloroethane	8.177	97	155122	59.322	ug/l	100
36) 1,1-Dichloropropene	8.383	75	134302	55.716	ug/l	100
37) Ethyl Acetate	7.571	43	176549	57.535	ug/l	98
38) Carbon Tetrachloride	8.371	117	130082	54.967	ug/l	97
39) Methylcyclohexane	9.606	83	174161	52.737	ug/l	99
40) Benzene	8.612	78	453640	57.551	ug/l	99

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 Quant Title : SW846 8260
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.788	41	92194	53.498	ug/l	96
42) 1,2-Dichloroethane	8.677	62	137745	57.615	ug/l	98
43) Isopropyl Acetate	8.694	43	280389	56.931	ug/l	99
44) Trichloroethene	9.359	130	107191	57.351	ug/l	97
45) 1,2-Dichloropropane	9.624	63	121109	63.154	ug/l	99
46) Dibromomethane	9.712	93	80926	63.534	ug/l	98
47) Bromodichloromethane	9.888	83	162351	61.949	ug/l	100
48) Methyl methacrylate	9.682	41	142381	62.811	ug/l	98
49) 1,4-Dioxane	9.706	88	46819	1135.322	ug/l #	97
51) 4-Methyl-2-Pentanone	10.447	43	949150	320.127	ug/l	99
52) Toluene	10.629	92	301813	62.654	ug/l	99
53) t-1,3-Dichloropropene	10.835	75	186898	63.778	ug/l	97
54) cis-1,3-Dichloropropene	10.318	75	200180	63.843	ug/l	98
55) 1,1,2-Trichloroethane	11.018	97	113832	61.413	ug/l	98
56) Ethyl methacrylate	10.882	69	195680	66.282	ug/l	99
57) 1,3-Dichloropropane	11.165	76	200521	62.363	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.159	63	486105	276.060	ug/l	97
59) 2-Hexanone	11.200	43	615775	322.428	ug/l	98
60) Dibromochloromethane	11.359	129	120756	62.530	ug/l	99
61) 1,2-Dibromoethane	11.471	107	118347	62.293	ug/l	97
64) Tetrachloroethene	11.106	164	86655	58.842	ug/l	98
65) Chlorobenzene	11.894	112	301514	58.749	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.959	131	105299	63.827	ug/l	98
67) Ethyl Benzene	11.965	91	558969	63.230	ug/l	98
68) m/p-Xylenes	12.070	106	428084	126.501	ug/l	98
69) o-Xylene	12.394	106	205080	63.276	ug/l	100
70) Styrene	12.412	104	352463	63.553	ug/l	99
71) Bromoform	12.582	173	83868	68.611	ug/l #	99
73) Isopropylbenzene	12.694	105	531774	59.271	ug/l	100
74) N-amyl acetate	12.512	43	177947	56.759	ug/l #	90
75) 1,1,2,2-Tetrachloroethane	12.935	83	189370	62.304	ug/l	99
76) 1,2,3-Trichloropropane	12.994	75	160418m	54.799	ug/l	
77) Bromobenzene	12.982	156	127228	61.834	ug/l	99
78) n-propylbenzene	13.035	91	648828	59.508	ug/l	99
79) 2-Chlorotoluene	13.123	91	388887	59.474	ug/l	99
80) 1,3,5-Trimethylbenzene	13.170	105	436328	58.905	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.735	75	79117	62.213	ug/l	94
82) 4-Chlorotoluene	13.223	91	403857	61.041	ug/l	99
83) tert-Butylbenzene	13.435	119	389864	57.498	ug/l	99
84) 1,2,4-Trimethylbenzene	13.482	105	420510	56.613	ug/l	99
85) sec-Butylbenzene	13.612	105	542616	55.106	ug/l	100
86) p-Isopropyltoluene	13.729	119	452114	55.545	ug/l	99
87) 1,3-Dichlorobenzene	13.735	146	239675	59.205	ug/l	100
88) 1,4-Dichlorobenzene	13.812	146	236345	57.264	ug/l	99
89) n-Butylbenzene	14.053	91	406999	51.623	ug/l	99
90) Hexachloroethane	14.329	117	80141	58.085	ug/l	97
91) 1,2-Dichlorobenzene	14.106	146	231180	59.440	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	42396	58.325	ug/l	98
93) 1,2,4-Trichlorobenzene	15.388	180	134546	54.175	ug/l	99
94) Hexachlorobutadiene	15.500	225	38999	42.148	ug/l	99
95) Naphthalene	15.635	128	530904	57.431	ug/l	100
96) 1,2,3-Trichlorobenzene	15.835	180	120343	48.771	ug/l	99

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

