

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120125\
 Data File : VN088394.D
 Acq On : 01 Dec 2025 19:01
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Dec 02 00:19:23 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112425W.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 25 01:34:52 2025
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By : John Carlone 12/02/2025
 Supervised By : Mahesh Dadoda 12/02/2025

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

Internal Standards						
1) Pentafluorobenzene	8.206	168	243152	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	450975	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	407920	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	202162	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	235463	51.406	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 102.820%			
35) Dibromofluoromethane	8.147	113	158837	50.824	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.640%			
50) Toluene-d8	10.541	98	578462	49.746	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 99.500%			
62) 4-Bromofluorobenzene	12.829	95	206631	51.789	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 103.580%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.142	85	196234	53.731	ug/l	100
3) Chloromethane	2.383	50	202686	51.673	ug/l	97
4) Vinyl Chloride	2.536	62	211860	53.092	ug/l	99
5) Bromomethane	2.971	94	93669	48.771	ug/l	97
6) Chloroethane	3.142	64	135218	54.756	ug/l	99
7) Trichlorofluoromethane	3.512	101	302274	53.896	ug/l	99
8) Diethyl Ether	3.965	74	114406	54.348	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.371	101	160417	53.727	ug/l	99
10) Methyl Iodide	4.583	142	147734	49.982	ug/l	96
11) Tert butyl alcohol	5.524	59	198926	272.015	ug/l	99
12) 1,1-Dichloroethene	4.342	96	156528	52.765	ug/l	95
13) Acrolein	4.177	56	220017	314.249	ug/l	99
14) Allyl chloride	5.012	41	300243	54.606	ug/l	99
15) Acrylonitrile	5.706	53	602153	285.387	ug/l	99
16) Acetone	4.418	43	621248	375.026	ug/l	100
17) Carbon Disulfide	4.712	76	524582	54.115	ug/l	98
18) Methyl Acetate	5.018	43	314767	63.834	ug/l	99
19) Methyl tert-butyl Ether	5.788	73	641088	57.681	ug/l	97
20) Methylene Chloride	5.265	84	194597	54.906	ug/l	99
21) trans-1,2-Dichloroethene	5.777	96	181474	55.223	ug/l	97
22) Diisopropyl ether	6.659	45	667924	56.899	ug/l	98
23) Vinyl Acetate	6.588	43	2745427m	290.285	ug/l	
24) 1,1-Dichloroethane	6.553	63	376760	56.676	ug/l	99
25) 2-Butanone	7.471	43	879023	330.075	ug/l	97
26) 2,2-Dichloropropane	7.471	77	300253	52.327	ug/l	99
27) cis-1,2-Dichloroethene	7.471	96	216926	56.801	ug/l	98
28) Bromochloromethane	7.794	49	167848	50.686	ug/l	99
29) Tetrahydrofuran	7.824	42	565963	296.291	ug/l	99
30) Chloroform	7.953	83	371062	56.807	ug/l	95
31) Cyclohexane	8.241	56	315196	52.322	ug/l	95
32) 1,1,1-Trichloroethane	8.147	97	317326	55.251	ug/l	98
36) 1,1-Dichloropropene	8.353	75	251046	52.049	ug/l	99
37) Ethyl Acetate	7.541	43	348320	54.923	ug/l	99
38) Carbon Tetrachloride	8.341	117	262267	54.622	ug/l	96
39) Methylcyclohexane	9.576	83	267781	51.904	ug/l	95
40) Benzene	8.582	78	765654	54.086	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.759	41	175790	55.964	ug/l	99
42) 1,2-Dichloroethane	8.653	62	300814	55.696	ug/l	99
43) Isopropyl Acetate	8.671	43	534479	55.159	ug/l	99
44) Trichloroethene	9.335	130	170310	50.916	ug/l	100
45) 1,2-Dichloropropane	9.600	63	201058	55.434	ug/l	95
46) Dibromomethane	9.688	93	144642	55.881	ug/l	98
47) Bromodichloromethane	9.865	83	295192	55.893	ug/l	98
48) Methyl methacrylate	9.659	41	252659	57.148	ug/l	98
49) 1,4-Dioxane	9.676	88	63234	1124.656	ug/l #	98
51) 4-Methyl-2-Pentanone	10.423	43	1678201	293.831	ug/l	100
52) Toluene	10.606	92	455018	55.666	ug/l	100
53) t-1,3-Dichloropropene	10.812	75	298548	55.072	ug/l	98
54) cis-1,3-Dichloropropene	10.294	75	313016	54.906	ug/l	96
55) 1,1,2-Trichloroethane	10.994	97	173012	54.706	ug/l	95
56) Ethyl methacrylate	10.853	69	298277	59.708	ug/l	99
57) 1,3-Dichloropropane	11.141	76	313209	54.898	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.135	63	849351	294.909	ug/l	100
59) 2-Hexanone	11.176	43	1135566	315.614	ug/l	99
60) Dibromochloromethane	11.335	129	200424	55.592	ug/l	98
61) 1,2-Dibromoethane	11.447	107	176077	54.980	ug/l	99
64) Tetrachloroethene	11.082	164	152255	47.082	ug/l	98
65) Chlorobenzene	11.870	112	485608	52.998	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.935	131	168248	54.444	ug/l	99
67) Ethyl Benzene	11.941	91	868953	54.260	ug/l	100
68) m/p-Xylenes	12.047	106	645030	108.634	ug/l	98
69) o-Xylene	12.376	106	311073	54.953	ug/l	98
70) Styrene	12.388	104	517835	56.339	ug/l	99
71) Bromoform	12.559	173	126121	55.719	ug/l #	99
73) Isopropylbenzene	12.670	105	797342	53.343	ug/l	99
74) N-amyl acetate	12.500	43	249146m	48.943	ug/l	
75) 1,1,2,2-Tetrachloroethane	12.917	83	248802	51.487	ug/l	98
76) 1,2,3-Trichloropropane	12.970	75	248633m	52.510	ug/l	
77) Bromobenzene	12.959	156	182681	53.415	ug/l	99
78) n-propylbenzene	13.012	91	979990	53.591	ug/l	100
79) 2-Chlorotoluene	13.100	91	583933	52.291	ug/l	100
80) 1,3,5-Trimethylbenzene	13.147	105	661166	53.380	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.717	75	84296	50.505	ug/l #	99
82) 4-Chlorotoluene	13.200	91	602162	54.291	ug/l	99
83) tert-Butylbenzene	13.412	119	558345	53.028	ug/l	99
84) 1,2,4-Trimethylbenzene	13.459	105	679700	55.209	ug/l	99
85) sec-Butylbenzene	13.588	105	803702	53.133	ug/l	99
86) p-Isopropyltoluene	13.706	119	665506	53.654	ug/l	99
87) 1,3-Dichlorobenzene	13.711	146	350766	52.686	ug/l	99
88) 1,4-Dichlorobenzene	13.788	146	350813	50.304	ug/l	98
89) n-Butylbenzene	14.029	91	623271	51.753	ug/l	99
90) Hexachloroethane	14.306	117	121388	53.572	ug/l	98
91) 1,2-Dichlorobenzene	14.082	146	334727	53.427	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.694	75	61378	52.351	ug/l	99
93) 1,2,4-Trichlorobenzene	15.364	180	187041	50.246	ug/l	98
94) Hexachlorobutadiene	15.470	225	64423	48.160	ug/l	98
95) Naphthalene	15.611	128	677168	52.496	ug/l	99
96) 1,2,3-Trichlorobenzene	15.811	180	184341	50.884	ug/l	99

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

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