

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092925\
 Data File : VN087987.D
 Acq On : 29 Sep 2025 16:54
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 09/30/2025
 Supervised By : Mahesh Dadoda 10/03/2025

Quant Time: Sep 30 03:58:22 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092325W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 24 05:05:30 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.206	168	240453	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	459628	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	415784	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	216251	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	214171	52.926	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 105.860%			
35) Dibromofluoromethane	8.153	113	153995	46.146	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 92.300%			
50) Toluene-d8	10.547	98	508008	43.288	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 86.580%			
62) 4-Bromofluorobenzene	12.829	95	188230	44.872	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 89.740%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.142	85	106968	38.413	ug/l	99
3) Chloromethane	2.383	50	136190	47.765	ug/l	99
4) Vinyl Chloride	2.536	62	127711	43.904	ug/l	94
5) Bromomethane	2.965	94	91281	50.617	ug/l	92
6) Chloroethane	3.130	64	92348	48.826	ug/l	99
7) Trichlorofluoromethane	3.506	101	189748	40.064	ug/l	98
8) Diethyl Ether	3.959	74	100632	56.242	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.365	101	96985	38.744	ug/l	94
10) Methyl Iodide	4.577	142	150159	66.651	ug/l	97
11) Tert butyl alcohol	5.524	59	194725	334.088	ug/l #	87
12) 1,1-Dichloroethene	4.336	96	112004	44.345	ug/l	95
13) Acrolein	4.177	56	223890	299.372	ug/l	94
14) Allyl chloride	5.006	41	209449	50.936	ug/l	97
15) Acrylonitrile	5.712	53	533781	291.958	ug/l	100
16) Acetone	4.424	43	424011	254.666	ug/l	97
17) Carbon Disulfide	4.706	76	324419	41.110	ug/l	96
18) Methyl Acetate	5.018	43	276861	66.445	ug/l	99
19) Methyl tert-butyl Ether	5.788	73	588727	59.669	ug/l	100
20) Methylene Chloride	5.259	84	173542	51.495	ug/l	93
21) trans-1,2-Dichloroethene	5.771	96	140970	45.528	ug/l	90
22) Diisopropyl ether	6.659	45	550428	57.341	ug/l	97
23) Vinyl Acetate	6.588	43	2539551	314.207	ug/l	98
24) 1,1-Dichloroethane	6.553	63	288352	51.417	ug/l	97
25) 2-Butanone	7.471	43	755935	297.048	ug/l	100
26) 2,2-Dichloropropane	7.477	77	170376	34.194	ug/l	99
27) cis-1,2-Dichloroethene	7.477	96	188651	51.205	ug/l	98
28) Bromochloromethane	7.794	49	148054	48.590	ug/l	97
29) Tetrahydrofuran	7.829	42	491820	301.824	ug/l	99
30) Chloroform	7.947	83	318470	51.936	ug/l	100
31) Cyclohexane	8.241	56	176575	38.913	ug/l	99
32) 1,1,1-Trichloroethane	8.147	97	240678	46.451	ug/l	100
36) 1,1-Dichloropropene	8.359	75	172350	42.951	ug/l	99
37) Ethyl Acetate	7.547	43	288298	54.712	ug/l	99
38) Carbon Tetrachloride	8.347	117	191078	41.497	ug/l	97
39) Methylcyclohexane	9.582	83	180380	40.748	ug/l	95
40) Benzene	8.588	78	625216	47.057	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.765	41	146868	53.933	ug/l	92
42) 1,2-Dichloroethane	8.653	62	256184	51.668	ug/l	100
43) Isopropyl Acetate	8.676	43	467126	56.318	ug/l	99
44) Trichloroethene	9.335	130	141640	44.630	ug/l	98
45) 1,2-Dichloropropane	9.600	63	167878	50.390	ug/l	97
46) Dibromomethane	9.688	93	136294	51.845	ug/l	98
47) Bromodichloromethane	9.865	83	261000	50.619	ug/l	99
48) Methyl methacrylate	9.665	41	219317	57.098	ug/l	97
49) 1,4-Dioxane	9.682	88	62734	1105.560	ug/l	99
51) 4-Methyl-2-Pentanone	10.423	43	1503146	290.426	ug/l	99
52) Toluene	10.612	92	376172	45.118	ug/l	98
53) t-1,3-Dichloropropene	10.818	75	256114	48.533	ug/l	100
54) cis-1,3-Dichloropropene	10.294	75	266905	48.697	ug/l	97
55) 1,1,2-Trichloroethane	10.994	97	173901	51.297	ug/l	97
56) Ethyl methacrylate	10.853	69	285859	58.357	ug/l	98
57) 1,3-Dichloropropane	11.141	76	292749	52.502	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.141	63	783801	340.313	ug/l	99
59) 2-Hexanone	11.176	43	1048502	306.378	ug/l	99
60) Dibromochloromethane	11.335	129	205167	51.473	ug/l	99
61) 1,2-Dibromoethane	11.447	107	184618	51.442	ug/l	99
64) Tetrachloroethene	11.082	164	117142	46.251	ug/l	96
65) Chlorobenzene	11.870	112	417241	47.156	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.941	131	164358	51.510	ug/l	99
67) Ethyl Benzene	11.941	91	692884	46.930	ug/l	98
68) m/p-Xylenes	12.047	106	530291	93.913	ug/l	98
69) o-Xylene	12.376	106	258375	47.627	ug/l	98
70) Styrene	12.388	104	460977	49.476	ug/l	99
71) Bromoform	12.559	173	144579	55.849	ug/l #	100
73) Isopropylbenzene	12.676	105	633045	47.233	ug/l	99
74) N-amyl acetate	12.500	43	224151m	50.758	ug/l	
75) 1,1,2,2-Tetrachloroethane	12.917	83	270590	56.034	ug/l	98
76) 1,2,3-Trichloropropane	12.970	75	217174m	50.947	ug/l	
77) Bromobenzene	12.959	156	173713	48.713	ug/l	96
78) n-propylbenzene	13.011	91	773378	46.153	ug/l	99
79) 2-Chlorotoluene	13.106	91	485839	47.617	ug/l	99
80) 1,3,5-Trimethylbenzene	13.153	105	551523	47.574	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.717	75	83236	54.221	ug/l	90
82) 4-Chlorotoluene	13.200	91	485768	47.249	ug/l	97
83) tert-Butylbenzene	13.417	119	471486	48.049	ug/l	97
84) 1,2,4-Trimethylbenzene	13.459	105	570094	47.944	ug/l	99
85) sec-Butylbenzene	13.594	105	661375	45.972	ug/l	98
86) p-Isopropyltoluene	13.706	119	559929	45.954	ug/l	99
87) 1,3-Dichlorobenzene	13.711	146	323337	46.464	ug/l	99
88) 1,4-Dichlorobenzene	13.788	146	331177	46.309	ug/l	99
89) n-Butylbenzene	14.035	91	522130	45.343	ug/l	100
90) Hexachloroethane	14.311	117	111190	43.686	ug/l	98
91) 1,2-Dichlorobenzene	14.082	146	326447	48.668	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.700	75	63847	56.902	ug/l	98
93) 1,2,4-Trichlorobenzene	15.370	180	192878	48.701	ug/l	96
94) Hexachlorobutadiene	15.476	225	62410	42.814	ug/l	97
95) Naphthalene	15.611	128	729010	57.344	ug/l	99
96) 1,2,3-Trichlorobenzene	15.811	180	190760	49.545	ug/l	98

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

