

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092625\
 Data File : VN087961.D
 Acq On : 26 Sep 2025 12:53
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Quant Time: Sep 27 01:22:55 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

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 09/29/2025
 Supervised By :Semsettin Yesilyurt 09/29/2025

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

Internal Standards						
1) Pentafluorobenzene	8.206	168	207820	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	397459	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	386821	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	216102	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.565	65	182377	52.146	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 104.300%			
35) Dibromofluoromethane	8.147	113	141745	49.119	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 98.240%			
50) Toluene-d8	10.547	98	504088	49.673	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 99.340%			
62) 4-Bromofluorobenzene	12.829	95	180338	49.715	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 99.440%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.142	85	126695	52.642	ug/l	93
3) Chloromethane	2.383	50	132134	53.620	ug/l	98
4) Vinyl Chloride	2.536	62	138137	54.945	ug/l	99
5) Bromomethane	2.965	94	82884	53.178	ug/l	97
6) Chloroethane	3.130	64	95303	58.300	ug/l	96
7) Trichlorofluoromethane	3.501	101	226254	55.273	ug/l	98
8) Diethyl Ether	3.959	74	88069	56.949	ug/l	95
9) 1,1,2-Trichlorotrifluo...	4.359	101	123690	57.172	ug/l	99
10) Methyl Iodide	4.577	142	102525	52.654	ug/l	93
11) Tert butyl alcohol	5.530	59	152680	303.085	ug/l	100
12) 1,1-Dichloroethene	4.336	96	123402	56.529	ug/l	99
13) Acrolein	4.171	56	184339	285.192	ug/l	96
14) Allyl chloride	5.012	41	190296	53.545	ug/l	97
15) Acrylonitrile	5.706	53	469931	297.396	ug/l	100
16) Acetone	4.424	43	394050	273.835	ug/l	96
17) Carbon Disulfide	4.700	76	344242	50.471	ug/l	100
18) Methyl Acetate	5.018	43	232489	64.557	ug/l	100
19) Methyl tert-butyl Ether	5.783	73	501451	58.804	ug/l	99
20) Methylene Chloride	5.259	84	163324	56.073	ug/l	94
21) trans-1,2-Dichloroethene	5.771	96	144799	54.108	ug/l	90
22) Diisopropyl ether	6.665	45	490307	59.099	ug/l	93
23) Vinyl Acetate	6.589	43	2212550	316.734	ug/l	99
24) 1,1-Dichloroethane	6.553	63	277560	57.264	ug/l	99
25) 2-Butanone	7.471	43	649052	295.096	ug/l	100
26) 2,2-Dichloropropane	7.471	77	217458	50.496	ug/l	100
27) cis-1,2-Dichloroethene	7.471	96	182492	57.312	ug/l	98
28) Bromochloromethane	7.800	49	128247	48.699	ug/l	97
29) Tetrahydrofuran	7.824	42	442430	314.149	ug/l	99
30) Chloroform	7.947	83	308791	58.265	ug/l	99
31) Cyclohexane	8.241	56	200621	51.154	ug/l	97
32) 1,1,1-Trichloroethane	8.147	97	254845	56.908	ug/l	98
36) 1,1-Dichloropropene	8.353	75	187870	54.142	ug/l	98
37) Ethyl Acetate	7.553	43	259696	56.993	ug/l	99
38) Carbon Tetrachloride	8.341	117	217769	54.691	ug/l	96
39) Methylcyclohexane	9.582	83	204808	53.504	ug/l	98
40) Benzene	8.588	78	641892	55.869	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.771	41	131453	55.822	ug/l	96
42) 1,2-Dichloroethane	8.653	62	234098	54.599	ug/l	100
43) Isopropyl Acetate	8.677	43	410048	57.170	ug/l	100
44) Trichloroethene	9.335	130	146352	53.328	ug/l	95
45) 1,2-Dichloropropane	9.600	63	162526	56.414	ug/l	98
46) Dibromomethane	9.688	93	127511	56.091	ug/l	97
47) Bromodichloromethane	9.871	83	252153	56.552	ug/l	99
48) Methyl methacrylate	9.665	41	190229	57.272	ug/l	97
49) 1,4-Dioxane	9.682	88	60239	1227.641	ug/l #	83
51) 4-Methyl-2-Pentanone	10.424	43	1363130	304.570	ug/l	100
52) Toluene	10.612	92	400894	55.604	ug/l	98
53) t-1,3-Dichloropropene	10.818	75	246043	53.917	ug/l	99
54) cis-1,3-Dichloropropene	10.288	75	253160	53.414	ug/l	97
55) 1,1,2-Trichloroethane	10.994	97	168341	57.424	ug/l	99
56) Ethyl methacrylate	10.859	69	247981	58.542	ug/l	100
57) 1,3-Dichloropropane	11.141	76	277227	57.495	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.141	63	688704	345.796	ug/l	98
59) 2-Hexanone	11.176	43	919188	310.603	ug/l	100
60) Dibromochloromethane	11.335	129	197127	57.192	ug/l	98
61) 1,2-Dibromoethane	11.447	107	176168	56.765	ug/l	99
64) Tetrachloroethene	11.082	164	125013	53.055	ug/l	98
65) Chlorobenzene	11.871	112	451921	54.899	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.941	131	166522	56.096	ug/l	98
67) Ethyl Benzene	11.941	91	757861	55.174	ug/l	100
68) m/p-Xylenes	12.047	106	595665	113.389	ug/l	99
69) o-Xylene	12.376	106	288582	57.178	ug/l	96
70) Styrene	12.388	104	496620	57.292	ug/l	99
71) Bromoform	12.559	173	134584	55.881	ug/l #	99
73) Isopropylbenzene	12.676	105	727632	54.327	ug/l	100
74) N-amyl acetate	12.506	43	210413m	47.680	ug/l	
75) 1,1,2,2-Tetrachloroethane	12.918	83	258825	53.635	ug/l	99
76) 1,2,3-Trichloropropane	12.970	75	211479m	49.645	ug/l	
77) Bromobenzene	12.959	156	192931	54.140	ug/l	96
78) n-propylbenzene	13.012	91	891989	53.268	ug/l	99
79) 2-Chlorotoluene	13.106	91	536213	52.590	ug/l	99
80) 1,3,5-Trimethylbenzene	13.153	105	640192	55.261	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.718	75	79263	51.669	ug/l	98
82) 4-Chlorotoluene	13.200	91	565759	55.068	ug/l	99
83) tert-Butylbenzene	13.418	119	535037	54.564	ug/l	98
84) 1,2,4-Trimethylbenzene	13.459	105	653277	54.977	ug/l	99
85) sec-Butylbenzene	13.594	105	774838	53.896	ug/l	98
86) p-Isopropyltoluene	13.706	119	661277	54.309	ug/l	99
87) 1,3-Dichlorobenzene	13.712	146	368749	53.027	ug/l	99
88) 1,4-Dichlorobenzene	13.788	146	377232	52.785	ug/l	97
89) n-Butylbenzene	14.035	91	610647	53.067	ug/l	99
90) Hexachloroethane	14.306	117	131337	51.637	ug/l	98
91) 1,2-Dichlorobenzene	14.082	146	366664	54.701	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.700	75	59757	53.293	ug/l	96
93) 1,2,4-Trichlorobenzene	15.370	180	207257	52.368	ug/l	99
94) Hexachlorobutadiene	15.476	225	78098	53.613	ug/l	97
95) Naphthalene	15.617	128	705052	55.497	ug/l	99
96) 1,2,3-Trichlorobenzene	15.811	180	204984	53.276	ug/l	99

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

