

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN093025\
 Data File : VN087989.D
 Acq On : 30 Sep 2025 09:00
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Quant Time: Oct 01 04:35:28 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 : John Carlone 10/01/2025
 Supervised By : Mahesh Dadoda 10/03/2025

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

Internal Standards						
1) Pentafluorobenzene	8.206	168	246823	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	457474	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	440571	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	240894	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	224836	54.127	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 108.260%			
35) Dibromofluoromethane	8.147	113	170748	51.407	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.820%			
50) Toluene-d8	10.547	98	612354	52.425	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 104.860%			
62) 4-Bromofluorobenzene	12.829	95	221406	53.030	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 106.060%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.142	85	122752	42.944	ug/l	96
3) Chloromethane	2.383	50	132515	45.277	ug/l	99
4) Vinyl Chloride	2.536	62	133232	44.620	ug/l	99
5) Bromomethane	2.965	94	87531	47.285	ug/l	91
6) Chloroethane	3.136	64	92606	47.699	ug/l	98
7) Trichlorofluoromethane	3.500	101	219021	45.051	ug/l	99
8) Diethyl Ether	3.959	74	83699	45.571	ug/l	93
9) 1,1,2-Trichlorotrifluo...	4.365	101	118896	46.272	ug/l	99
10) Methyl Iodide	4.577	142	133619	57.779	ug/l	95
11) Tert butyl alcohol	5.524	59	148198	247.700	ug/l	99
12) 1,1-Dichloroethene	4.342	96	122217	47.139	ug/l	95
13) Acrolein	4.177	56	146922	191.385	ug/l	96
14) Allyl chloride	5.012	41	190314	45.088	ug/l	99
15) Acrylonitrile	5.712	53	460859	245.567	ug/l	99
16) Acetone	4.424	43	481963	282.002	ug/l	98
17) Carbon Disulfide	4.700	76	341665	42.178	ug/l	97
18) Methyl Acetate	5.018	43	233357	54.559	ug/l	99
19) Methyl tert-butyl Ether	5.789	73	484632	47.851	ug/l	97
20) Methylene Chloride	5.265	84	157621	45.564	ug/l	95
21) trans-1,2-Dichloroethene	5.771	96	143372	45.108	ug/l	91
22) Diisopropyl ether	6.659	45	480246	48.739	ug/l	98
23) Vinyl Acetate	6.588	43	2191368	264.131	ug/l	98
24) 1,1-Dichloroethane	6.547	63	268605	46.660	ug/l	99
25) 2-Butanone	7.471	43	689263	263.859	ug/l	99
26) 2,2-Dichloropropane	7.471	77	241977	47.310	ug/l	97
27) cis-1,2-Dichloroethene	7.471	96	176749	46.737	ug/l	99
28) Bromochloromethane	7.800	49	130814	41.824	ug/l	97
29) Tetrahydrofuran	7.824	42	424597	253.845	ug/l	99
30) Chloroform	7.947	83	299753	47.622	ug/l	96
31) Cyclohexane	8.235	56	205706	44.162	ug/l	95
32) 1,1,1-Trichloroethane	8.147	97	247942	46.618	ug/l	99
36) 1,1-Dichloropropene	8.353	75	184714	46.249	ug/l	98
37) Ethyl Acetate	7.547	43	253193	48.276	ug/l	98
38) Carbon Tetrachloride	8.341	117	210068	45.836	ug/l	96
39) Methylcyclohexane	9.582	83	200002	45.394	ug/l	97
40) Benzene	8.588	78	619585	46.853	ug/l	99

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41) Methacrylonitrile	7.765	41	138616	51.142	ug/l	97
42) 1,2-Dichloroethane	8.653	62	226071	45.810	ug/l	99
43) Isopropyl Acetate	8.671	43	394875	47.832	ug/l	99
44) Trichloroethene	9.335	130	143398	45.396	ug/l	93
45) 1,2-Dichloropropane	9.600	63	158446	47.782	ug/l	92
46) Dibromomethane	9.688	93	121648	46.491	ug/l	98
47) Bromodichloromethane	9.865	83	241410	47.040	ug/l	95
48) Methyl methacrylate	9.665	41	187516	49.049	ug/l	98
49) 1,4-Dioxane	9.682	88	60953	1079.231	ug/l #	83
51) 4-Methyl-2-Pentanone	10.424	43	1304084	253.152	ug/l	99
52) Toluene	10.612	92	382293	46.068	ug/l	94
53) t-1,3-Dichloropropene	10.818	75	243282	46.318	ug/l	100
54) cis-1,3-Dichloropropene	10.294	75	255239	46.788	ug/l	98
55) 1,1,2-Trichloroethane	10.994	97	159756	47.346	ug/l	98
56) Ethyl methacrylate	10.859	69	241991	49.634	ug/l	99
57) 1,3-Dichloropropane	11.141	76	266775	48.069	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.141	63	626218	273.173	ug/l	99
59) 2-Hexanone	11.176	43	928261	272.520	ug/l	100
60) Dibromochloromethane	11.341	129	187008	47.138	ug/l	99
61) 1,2-Dibromoethane	11.447	107	166137	46.510	ug/l	98
64) Tetrachloroethene	11.082	164	121641	45.326	ug/l	98
65) Chlorobenzene	11.870	112	439053	46.829	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.941	131	159614	47.209	ug/l	98
67) Ethyl Benzene	11.941	91	731776	46.775	ug/l	95
68) m/p-Xylenes	12.047	106	572279	95.647	ug/l	99
69) o-Xylene	12.376	106	275428	47.914	ug/l	99
70) Styrene	12.388	104	489954	49.628	ug/l	98
71) Bromoform	12.559	173	130246	47.482	ug/l #	99
73) Isopropylbenzene	12.670	105	699419	46.847	ug/l	100
74) N-amyl acetate	12.506	43	220024m	44.727	ug/l	
75) 1,1,2,2-Tetrachloroethane	12.917	83	251773	46.804	ug/l	97
76) 1,2,3-Trichloropropane	12.970	75	235162m	49.523	ug/l	
77) Bromobenzene	12.959	156	181987	45.813	ug/l	99
78) n-propylbenzene	13.012	91	874587	46.853	ug/l	100
79) 2-Chlorotoluene	13.106	91	533436	46.934	ug/l	99
80) 1,3,5-Trimethylbenzene	13.153	105	616506	47.739	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.717	75	80176	46.885	ug/l	97
82) 4-Chlorotoluene	13.200	91	545162	47.602	ug/l	99
83) tert-Butylbenzene	13.417	119	508028	46.477	ug/l	96
84) 1,2,4-Trimethylbenzene	13.459	105	642488	48.504	ug/l	99
85) sec-Butylbenzene	13.594	105	755277	47.129	ug/l	100
86) p-Isopropyltoluene	13.706	119	635691	46.834	ug/l	99
87) 1,3-Dichlorobenzene	13.712	146	355627	45.877	ug/l	98
88) 1,4-Dichlorobenzene	13.788	146	367269	46.102	ug/l	97
89) n-Butylbenzene	14.035	91	598611	46.667	ug/l	99
90) Hexachloroethane	14.311	117	128062	45.168	ug/l	98
91) 1,2-Dichlorobenzene	14.082	146	342035	45.775	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.700	75	57715	46.175	ug/l	96
93) 1,2,4-Trichlorobenzene	15.370	180	202306	45.856	ug/l	97
94) Hexachlorobutadiene	15.476	225	71829	44.235	ug/l	97
95) Naphthalene	15.611	128	668258	47.188	ug/l	99
96) 1,2,3-Trichlorobenzene	15.811	180	200288	46.698	ug/l	99

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

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