

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN063025\
 Data File : VN087238.D
 Acq On : 30 Jun 2025 12:28
 Operator : JC\MD
 Sample : VSTDICC001
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC001

Quant Time: Jul 01 02:50:18 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N063025W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 01 02:39:52 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :John Carlone 07/01/2025
 Supervised By :Mahesh Dadoda 07/01/2025

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

Internal Standards						
1) Pentafluorobenzene	8.229	168	147790	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	246327	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	223527	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	108618	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	0.000	65	0d	0.000	ug/l	
Spiked Amount	50.000	Range	74 - 125	Recovery	=	0.000%#
35) Dibromofluoromethane	0.000	113	0d	0.000	ug/l	
Spiked Amount	50.000	Range	75 - 124	Recovery	=	0.000%#
50) Toluene-d8	0.000	98	0d	0.000	ug/l	
Spiked Amount	50.000	Range	86 - 113	Recovery	=	0.000%#
62) 4-Bromofluorobenzene	0.000	95	0d	0.000	ug/l	
Spiked Amount	50.000	Range	77 - 121	Recovery	=	0.000%#

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.153	85	1307	0.909	ug/l	74
3) Chloromethane	2.395	50	1071	0.917	ug/l #	76
4) Vinyl Chloride	2.553	62	1250	0.871	ug/l	97
6) Chloroethane	3.159	64	1070	0.941	ug/l	95
7) Trichlorofluoromethane	3.530	101	2441	0.980	ug/l	89
8) Diethyl Ether	3.983	74	559	0.703	ug/l #	51
9) 1,1,2-Trichlorotrifluo...	4.400	101	1340	0.926	ug/l #	74
12) 1,1-Dichloroethene	4.377	96	1251	0.910	ug/l	87
14) Allyl chloride	5.059	41	1474	0.875	ug/l #	70
15) Acrylonitrile	5.736	53	3943m	4.695	ug/l	
16) Acetone	4.453	43	3847	5.425	ug/l	99
17) Carbon Disulfide	4.747	76	4551	1.104	ug/l #	76
18) Methyl Acetate	5.053	43	1480m	0.912	ug/l	
19) Methyl tert-butyl Ether	5.812	73	4279	0.888	ug/l #	85
20) Methylene Chloride	5.306	84	1555	0.990	ug/l #	74
21) trans-1,2-Dichloroethene	5.806	96	1711	1.030	ug/l #	85
22) Diisopropyl ether	6.671	45	3162	0.784	ug/l #	87
23) Vinyl Acetate	6.618	43	13719	3.679	ug/l	95
24) 1,1-Dichloroethane	6.582	63	2359	0.893	ug/l #	81
25) 2-Butanone	7.494	43	4872	4.396	ug/l	93
26) 2,2-Dichloropropane	7.500	77	2352	0.930	ug/l	83
27) cis-1,2-Dichloroethene	7.500	96	1824	0.951	ug/l	89
28) Bromochloromethane	7.829	49	1070	0.918	ug/l #	84
29) Tetrahydrofuran	7.847	42	2792	3.910	ug/l	98
30) Chloroform	7.982	83	2603	0.889	ug/l	89
32) 1,1,1-Trichloroethane	8.177	97	2704	0.992	ug/l #	45
36) 1,1-Dichloropropene	8.371	75	1952	0.910	ug/l	85
37) Ethyl Acetate	7.571	43	2073	0.899	ug/l #	67
38) Carbon Tetrachloride	8.382	117	2186	0.899	ug/l #	83
39) Methylcyclohexane	9.600	83	2241	0.877	ug/l	95
40) Benzene	8.612	78	6324	0.952	ug/l	96
41) Methacrylonitrile	7.788	41	898	0.815	ug/l #	80
42) 1,2-Dichloroethane	8.682	62	1970	0.891	ug/l #	73
43) Isopropyl Acetate	8.700	43	2937	0.821	ug/l	93
44) Trichloroethene	9.347	130	1584	0.897	ug/l	98
45) 1,2-Dichloropropane	9.623	63	1219	0.841	ug/l	92

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) Dibromomethane	9.718	93	1172	0.951	ug/l #	80
47) Bromodichloromethane	9.900	83	2008	0.854	ug/l #	97
48) Methyl methacrylate	9.688	41	1091	0.724	ug/l #	87
49) 1,4-Dioxane	9.706	88	258	24.787	ug/l #	21
51) 4-Methyl-2-Pentanone	10.453	43	7706m	3.522	ug/l	
52) Toluene	10.629	92	3649	0.837	ug/l	91
53) t-1,3-Dichloropropene	10.841	75	1986	0.788	ug/l	90
54) cis-1,3-Dichloropropene	10.312	75	2040	0.794	ug/l	97
55) 1,1,2-Trichloroethane	11.023	97	1467	0.891	ug/l #	82
57) 1,3-Dichloropropane	11.165	76	2424	0.902	ug/l	89
58) 2-Chloroethyl Vinyl ether	10.159	63	4932	3.869	ug/l	99
60) Dibromochloromethane	11.359	129	1618	0.834	ug/l	90
61) 1,2-Dibromoethane	11.470	107	1447	0.817	ug/l	89
64) Tetrachloroethene	11.106	164	1360	0.913	ug/l	92
65) Chlorobenzene	11.888	112	4951	0.987	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.959	131	1643	0.949	ug/l #	64
67) Ethyl Benzene	11.965	91	6625	0.816	ug/l	96
68) m/p-Xylenes	12.070	106	5230	1.613	ug/l	97
69) o-Xylene	12.400	106	2233	0.736	ug/l	84
70) Styrene	12.406	104	3589	0.696	ug/l	98
71) Bromoform	12.576	173	972	0.727	ug/l #	59
73) Isopropylbenzene	12.694	105	5759	0.823	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.941	83	2176	0.945	ug/l #	93
76) 1,2,3-Trichloropropane	12.994	75	1867m	0.896	ug/l	
77) Bromobenzene	12.982	156	1556	0.852	ug/l	87
78) n-propylbenzene	13.035	91	7242	0.857	ug/l	99
79) 2-Chlorotoluene	13.123	91	4626	0.919	ug/l	97
80) 1,3,5-Trimethylbenzene	13.170	105	4712	0.805	ug/l	97
82) 4-Chlorotoluene	13.217	91	4772	0.906	ug/l	93
83) tert-Butylbenzene	13.429	119	4372	0.853	ug/l	98
84) 1,2,4-Trimethylbenzene	13.482	105	4354	0.743	ug/l	94
85) sec-Butylbenzene	13.611	105	5965	0.821	ug/l	97
86) p-Isopropyltoluene	13.729	119	4975	0.797	ug/l	98
87) 1,3-Dichlorobenzene	13.729	146	3414	0.938	ug/l	99
88) 1,4-Dichlorobenzene	13.811	146	4091m	1.077	ug/l	
89) n-Butylbenzene	14.053	91	4965	0.903	ug/l	98
90) Hexachloroethane	14.341	117	1034	0.895	ug/l	86
91) 1,2-Dichlorobenzene	14.106	146	3137	0.922	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.717	75	586	1.059	ug/l #	61
93) 1,2,4-Trichlorobenzene	15.388	180	1854	0.921	ug/l	98
94) Hexachlorobutadiene	15.494	225	771	1.206	ug/l	87
95) Naphthalene	15.635	128	5787	0.831	ug/l #	96
96) 1,2,3-Trichlorobenzene	15.835	180	1812	0.924	ug/l	89

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

