

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052825\
 Data File : VN086798.D
 Acq On : 28 May 2025 14:36
 Operator : JC\MD
 Sample : Q2126-09 0.2PPB
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MDL-WATER-03-QT2-2025

Quant Time: May 29 04:00:02 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051625W.M
 Quant Title : SW846 8260
 QLast Update : Sat May 17 00:46:13 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 05/29/2025
 Supervised By : Mahesh Dadoda 05/29/2025

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	197800	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	361429	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	313217	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	124920	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	136123	49.803	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	99.600%		
35) Dibromofluoromethane	8.165	113	109542	50.891	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	101.780%		
50) Toluene-d8	10.565	98	446635	50.072	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	100.140%		
62) 4-Bromofluorobenzene	12.847	95	145979	46.349	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	92.700%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.124	85	471	0.220	ug/l #	43
3) Chloromethane	2.359	50	1489	0.461	ug/l	99
4) Vinyl Chloride	2.512	62	537	0.185	ug/l #	79
5) Bromomethane	2.965	94	935	0.559	ug/l #	77
6) Chloroethane	3.130	64	243	0.128	ug/l #	40
7) Trichlorofluoromethane	3.512	101	719	0.207	ug/l #	77
10) Methyl Iodide	4.606	142	836m	0.324	ug/l	
11) Tert butyl alcohol	5.536	59	71	0.143	ug/l #	73
12) 1,1-Dichloroethene	4.336	96	416	0.189	ug/l #	31
13) Acrolein	4.177	56	144	0.271	ug/l #	2
14) Allyl chloride	5.024	41	542	0.162	ug/l #	54
15) Acrylonitrile	5.730	53	1070m	0.868	ug/l	
16) Acetone	4.447	43	1314m	1.285	ug/l	
17) Carbon Disulfide	4.712	76	1975	0.323	ug/l #	75
18) Methyl Acetate	5.036	43	2671	0.933	ug/l #	55
19) Methyl tert-butyl Ether	5.789	73	1558	0.207	ug/l #	54
20) Methylene Chloride	5.283	84	623	0.231	ug/l #	61
21) trans-1,2-Dichloroethene	5.783	96	364	0.156	ug/l #	42
22) Diisopropyl ether	6.671	45	1731	0.230	ug/l #	59
23) Vinyl Acetate	6.606	43	3629	0.641	ug/l #	82
24) 1,1-Dichloroethane	6.565	63	925	0.209	ug/l #	82
25) 2-Butanone	7.488	43	1470	0.930	ug/l	99
26) 2,2-Dichloropropane	7.483	77	501	0.137	ug/l #	52
27) cis-1,2-Dichloroethene	7.483	96	612	0.214	ug/l #	10
29) Tetrahydrofuran	7.853	42	901	0.874	ug/l	95
30) Chloroform	7.959	83	960	0.217	ug/l	88
31) Cyclohexane	8.218	56	4486	1.094	ug/l #	1
32) 1,1,1-Trichloroethane	8.171	97	861	0.231	ug/l #	22
36) 1,1-Dichloropropene	8.371	75	626	0.197	ug/l #	50
37) Ethyl Acetate	7.553	43	681	0.212	ug/l #	67
38) Carbon Tetrachloride	8.365	117	591m	0.189	ug/l	
39) Methylcyclohexane	9.600	83	618	0.180	ug/l #	81
40) Benzene	8.600	78	2524	0.244	ug/l #	82
41) Methacrylonitrile	7.777	41	249	0.144	ug/l #	50
42) 1,2-Dichloroethane	8.665	62	1076	0.333	ug/l #	74
43) Isopropyl Acetate	8.694	43	1777	0.276	ug/l #	54

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Manual Integrations
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Reviewed By : John Carlone 05/29/2025
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Trichloroethene	9.353	130	672	0.269	ug/l	48
45) 1,2-Dichloropropane	9.618	63	525	0.213	ug/l #	42
46) Dibromomethane	9.712	93	73	0.044	ug/l #	1
47) Bromodichloromethane	9.894	83	696	0.203	ug/l #	89
48) Methyl methacrylate	9.682	41	358	0.144	ug/l	90
51) 4-Methyl-2-Pentanone	10.447	43	3173	0.979	ug/l	91
52) Toluene	10.629	92	1426	0.222	ug/l	92
53) t-1,3-Dichloropropene	10.841	75	672	0.186	ug/l #	85
54) cis-1,3-Dichloropropene	10.312	75	727	0.184	ug/l #	37
55) 1,1,2-Trichloroethane	11.012	97	565	0.235	ug/l #	71
56) Ethyl methacrylate	10.865	69	675	0.175	ug/l #	77
57) 1,3-Dichloropropane	11.165	76	849	0.205	ug/l #	70
58) 2-Chloroethyl Vinyl ether	10.153	63	1037	0.602	ug/l	94
59) 2-Hexanone	11.194	43	2271	0.959	ug/l	81
60) Dibromochloromethane	11.359	129	440	0.175	ug/l	91
61) 1,2-Dibromoethane	11.465	107	388	0.161	ug/l	90
64) Tetrachloroethene	11.106	164	892	0.372	ug/l #	67
65) Chlorobenzene	11.888	112	1709	0.249	ug/l #	81
66) 1,1,1,2-Tetrachloroethane	11.959	131	435	0.196	ug/l #	64
67) Ethyl Benzene	11.965	91	2951	0.251	ug/l	98
68) m/p-Xylenes	12.065	106	1966	0.441	ug/l	90
69) o-Xylene	12.400	106	965	0.218	ug/l	100
70) Styrene	12.412	104	1435	0.198	ug/l	93
71) Bromoform	12.570	173	372	0.236	ug/l #	30
73) Isopropylbenzene	12.694	105	2109	0.219	ug/l	94
74) N-amyl acetate	12.494	43	623	0.155	ug/l #	77
75) 1,1,2,2-Tetrachloroethane	12.935	83	437	0.147	ug/l #	71
76) 1,2,3-Trichloropropane	12.994	75	617m	0.218	ug/l	
77) Bromobenzene	12.976	156	447	0.184	ug/l	68
78) n-propylbenzene	13.035	91	3101	0.280	ug/l	94
79) 2-Chlorotoluene	13.129	91	1874	0.260	ug/l	77
80) 1,3,5-Trimethylbenzene	13.165	105	1785	0.231	ug/l	85
81) trans-1,4-Dichloro-2-b...	12.735	75	65m	0.058	ug/l	
82) 4-Chlorotoluene	13.223	91	1715	0.240	ug/l	96
83) tert-Butylbenzene	13.435	119	1429	0.212	ug/l #	84
84) 1,2,4-Trimethylbenzene	13.482	105	1887	0.245	ug/l	90
85) sec-Butylbenzene	13.612	105	1821	0.201	ug/l	99
86) p-Isopropyltoluene	13.723	119	1465	0.198	ug/l #	85
87) 1,3-Dichlorobenzene	13.729	146	990	0.236	ug/l	92
88) 1,4-Dichlorobenzene	13.800	146	1185m	0.285	ug/l	
89) n-Butylbenzene	14.053	91	1509	0.246	ug/l	85
91) 1,2-Dichlorobenzene	14.106	146	1100	0.275	ug/l	78
93) 1,2,4-Trichlorobenzene	15.382	180	549	0.325	ug/l #	52
95) Naphthalene	15.641	128	2700	0.461	ug/l #	77
96) 1,2,3-Trichlorobenzene	15.835	180	161	0.097	ug/l #	73

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

