

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052825\
 Data File : VN086799.D
 Acq On : 28 May 2025 15:09
 Operator : JC\MD
 Sample : Q2126-09 0.5PPB
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

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

Quant Time: May 29 04:00:52 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	195560	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	353285	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	301814	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	124557	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	127195	47.069	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	94.140%		
35) Dibromofluoromethane	8.165	113	102493	48.714	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	97.420%		
50) Toluene-d8	10.565	98	419920	48.162	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	96.320%		
62) 4-Bromofluorobenzene	12.847	95	137157	44.552	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	89.100%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.124	85	677	0.321	ug/l	92
3) Chloromethane	2.359	50	2021	0.633	ug/l	88
4) Vinyl Chloride	2.512	62	1214	0.423	ug/l	93
5) Bromomethane	2.965	94	1098	0.664	ug/l	99
6) Chloroethane	3.124	64	817	0.435	ug/l #	40
7) Trichlorofluoromethane	3.495	101	1334	0.389	ug/l #	78
8) Diethyl Ether	3.965	74	667	0.471	ug/l	59
9) 1,1,2-Trichlorotrifluo...	4.365	101	875m	0.426	ug/l	
10) Methyl Iodide	4.589	142	1405	0.550	ug/l #	87
11) Tert butyl alcohol	5.512	59	721m	1.465	ug/l	
12) 1,1-Dichloroethene	4.348	96	1017	0.466	ug/l #	75
13) Acrolein	4.183	56	587	1.116	ug/l #	70
14) Allyl chloride	5.024	41	1381	0.418	ug/l #	83
15) Acrylonitrile	5.736	53	2338	1.919	ug/l #	91
16) Acetone	4.424	43	2338	2.313	ug/l	90
17) Carbon Disulfide	4.718	76	3372	0.558	ug/l #	75
18) Methyl Acetate	5.030	43	2352	0.831	ug/l #	69
19) Methyl tert-butyl Ether	5.783	73	3427	0.461	ug/l #	89
20) Methylene Chloride	5.283	84	1385	0.519	ug/l #	76
21) trans-1,2-Dichloroethene	5.795	96	897m	0.389	ug/l	
22) Diisopropyl ether	6.677	45	3329	0.447	ug/l #	86
23) Vinyl Acetate	6.600	43	8862	1.583	ug/l	99
24) 1,1-Dichloroethane	6.559	63	2030	0.464	ug/l #	82
25) 2-Butanone	7.483	43	3298	2.111	ug/l	98
26) 2,2-Dichloropropane	7.489	77	1676	0.464	ug/l #	68
27) cis-1,2-Dichloroethene	7.483	96	1065	0.376	ug/l	86
28) Bromochloromethane	7.800	49	854	0.430	ug/l #	96
29) Tetrahydrofuran	7.841	42	2005	1.967	ug/l #	77
30) Chloroform	7.965	83	2089	0.477	ug/l	97
31) Cyclohexane	8.224	56	5578	1.375	ug/l #	1
32) 1,1,1-Trichloroethane	8.165	97	1572	0.426	ug/l #	39
36) 1,1-Dichloropropene	8.365	75	1372	0.442	ug/l #	60
37) Ethyl Acetate	7.559	43	1324	0.422	ug/l #	72
38) Carbon Tetrachloride	8.359	117	1352	0.442	ug/l #	82
39) Methylcyclohexane	9.594	83	1442	0.429	ug/l	89
40) Benzene	8.594	78	4901	0.484	ug/l	97

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41) Methacrylonitrile	7.771	41	489	0.289	ug/l #	67
42) 1,2-Dichloroethane	8.665	62	1587	0.503	ug/l #	74
43) Isopropyl Acetate	8.688	43	3025	0.481	ug/l #	81
44) Trichloroethene	9.347	130	1318	0.540	ug/l	99
45) 1,2-Dichloropropane	9.618	63	1095	0.455	ug/l #	88
46) Dibromomethane	9.706	93	681	0.420	ug/l	93
47) Bromodichloromethane	9.882	83	1411	0.422	ug/l #	94
48) Methyl methacrylate	9.677	41	900	0.370	ug/l #	89
49) 1,4-Dioxane	9.700	88	143	2.773	ug/l #	24
51) 4-Methyl-2-Pentanone	10.441	43	5864	1.850	ug/l	98
52) Toluene	10.629	92	2992	0.476	ug/l	99
53) t-1,3-Dichloropropene	10.835	75	1588	0.449	ug/l #	65
54) cis-1,3-Dichloropropene	10.306	75	1677	0.434	ug/l #	81
55) 1,1,2-Trichloroethane	11.012	97	1109	0.472	ug/l #	71
56) Ethyl methacrylate	10.877	69	1483	0.394	ug/l #	85
57) 1,3-Dichloropropane	11.153	76	1897	0.469	ug/l	95
58) 2-Chloroethyl Vinyl ether	10.159	63	3643	2.163	ug/l	94
59) 2-Hexanone	11.194	43	4145	1.791	ug/l	90
60) Dibromochloromethane	11.353	129	1221	0.496	ug/l	93
61) 1,2-Dibromoethane	11.465	107	864	0.366	ug/l	91
64) Tetrachloroethene	11.106	164	1409	0.609	ug/l	88
65) Chlorobenzene	11.888	112	3227	0.488	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.953	131	1162	0.544	ug/l #	58
67) Ethyl Benzene	11.965	91	5337	0.471	ug/l #	86
68) m/p-Xylenes	12.071	106	3623	0.844	ug/l	97
69) o-Xylene	12.400	106	1677	0.393	ug/l	94
70) Styrene	12.406	104	2704	0.387	ug/l	96
71) Bromoform	12.571	173	775	0.510	ug/l #	72
73) Isopropylbenzene	12.694	105	4195	0.436	ug/l	94
74) N-amyl acetate	12.494	43	1385	0.345	ug/l #	95
75) 1,1,2,2-Tetrachloroethane	12.941	83	987	0.334	ug/l #	96
76) 1,2,3-Trichloropropane	12.994	75	1462m	0.519	ug/l	
77) Bromobenzene	12.976	156	1336	0.552	ug/l	87
78) n-propylbenzene	13.029	91	5008	0.454	ug/l	100
79) 2-Chlorotoluene	13.118	91	3464	0.483	ug/l	97
80) 1,3,5-Trimethylbenzene	13.171	105	3344	0.434	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.729	75	288m	0.258	ug/l	
82) 4-Chlorotoluene	13.218	91	3274	0.460	ug/l	97
83) tert-Butylbenzene	13.435	119	2840	0.423	ug/l	97
84) 1,2,4-Trimethylbenzene	13.476	105	3157	0.411	ug/l	95
85) sec-Butylbenzene	13.612	105	3689	0.409	ug/l	99
86) p-Isopropyltoluene	13.729	119	2519	0.341	ug/l	93
87) 1,3-Dichlorobenzene	13.729	146	2080	0.496	ug/l	95
88) 1,4-Dichlorobenzene	13.806	146	2195m	0.529	ug/l	
89) n-Butylbenzene	14.047	91	2874	0.469	ug/l	96
90) Hexachloroethane	14.329	117	607	0.495	ug/l	66
91) 1,2-Dichlorobenzene	14.106	146	2184	0.548	ug/l	85
92) 1,2-Dibromo-3-Chloropr...	14.706	75	55	0.112	ug/l	86
93) 1,2,4-Trichlorobenzene	15.388	180	703	0.418	ug/l #	90
94) Hexachlorobutadiene	15.494	225	285	0.408	ug/l #	68
95) Naphthalene	15.641	128	3184	0.545	ug/l #	84
96) 1,2,3-Trichlorobenzene	15.841	180	670	0.407	ug/l #	81

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

