

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052825\
 Data File : VN086800.D
 Acq On : 28 May 2025 15:33
 Operator : JC\MD
 Sample : Q2126-09 0.75PPB
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

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

Quant Time: May 29 04:01:42 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	8.218	168	197458	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	357970	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	316643	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	127993	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.571	65	139200	51.017	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 102.040%			
35) Dibromofluoromethane	8.165	113	109325	51.281	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.560%			
50) Toluene-d8	10.565	98	456024	51.618	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 103.240%			
62) 4-Bromofluorobenzene	12.847	95	151392	48.532	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 97.060%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.124	85	1470	0.689	ug/l	80
3) Chloromethane	2.359	50	2904	0.900	ug/l	98
4) Vinyl Chloride	2.512	62	2162	0.746	ug/l	96
5) Bromomethane	2.959	94	1509	0.904	ug/l #	71
6) Chloroethane	3.118	64	1537	0.810	ug/l	98
7) Trichlorofluoromethane	3.495	101	2721	0.786	ug/l #	73
8) Diethyl Ether	3.953	74	962	0.673	ug/l	89
9) 1,1,2-Trichlorotrifluo...	4.377	101	1421	0.686	ug/l #	38
10) Methyl Iodide	4.589	142	2167	0.841	ug/l #	76
11) Tert butyl alcohol	5.500	59	1323m	2.662	ug/l	
12) 1,1-Dichloroethene	4.336	96	1609	0.731	ug/l #	79
13) Acrolein	4.177	56	589	1.109	ug/l #	59
14) Allyl chloride	5.018	41	2752	0.826	ug/l #	73
15) Acrylonitrile	5.724	53	4018	3.266	ug/l	93
16) Acetone	4.436	43	3075	3.013	ug/l #	84
17) Carbon Disulfide	4.712	76	5121	0.840	ug/l #	75
18) Methyl Acetate	5.024	43	3400	1.190	ug/l	96
19) Methyl tert-butyl Ether	5.789	73	5371	0.716	ug/l	93
20) Methylene Chloride	5.283	84	2113	0.785	ug/l #	78
21) trans-1,2-Dichloroethene	5.795	96	1904	0.818	ug/l #	65
22) Diisopropyl ether	6.671	45	5148	0.685	ug/l #	86
23) Vinyl Acetate	6.612	43	11775	2.083	ug/l #	93
24) 1,1-Dichloroethane	6.565	63	3210	0.727	ug/l #	82
25) 2-Butanone	7.494	43	4717	2.991	ug/l	98
26) 2,2-Dichloropropane	7.489	77	2522	0.692	ug/l	88
27) cis-1,2-Dichloroethene	7.489	96	1999	0.699	ug/l	95
28) Bromochloromethane	7.806	49	1308	0.652	ug/l #	82
29) Tetrahydrofuran	7.841	42	3278	3.184	ug/l	97
30) Chloroform	7.959	83	3044	0.689	ug/l	89
31) Cyclohexane	8.224	56	6838	1.670	ug/l #	1
32) 1,1,1-Trichloroethane	8.171	97	2923	0.784	ug/l #	47
36) 1,1-Dichloropropene	8.359	75	2222	0.707	ug/l #	69
37) Ethyl Acetate	7.565	43	2267	0.714	ug/l #	67
38) Carbon Tetrachloride	8.353	117	2285	0.737	ug/l	96
39) Methylcyclohexane	9.600	83	2500	0.735	ug/l	96
40) Benzene	8.600	78	7769	0.757	ug/l	99

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41) Methacrylonitrile	7.777	41	1333	0.777	ug/l #	65
42) 1,2-Dichloroethane	8.665	62	2464	0.771	ug/l	81
43) Isopropyl Acetate	8.688	43	4242	0.666	ug/l #	94
44) Trichloroethene	9.353	130	2403	0.971	ug/l	88
45) 1,2-Dichloropropane	9.618	63	1855	0.761	ug/l	92
46) Dibromomethane	9.712	93	1138	0.692	ug/l	98
47) Bromodichloromethane	9.888	83	2408	0.711	ug/l #	75
48) Methyl methacrylate	9.677	41	1614	0.654	ug/l	93
49) 1,4-Dioxane	9.700	88	547	10.469	ug/l #	45
51) 4-Methyl-2-Pentanone	10.441	43	9877	3.076	ug/l	96
52) Toluene	10.630	92	4921	0.772	ug/l	89
53) t-1,3-Dichloropropene	10.835	75	2616	0.729	ug/l	93
54) cis-1,3-Dichloropropene	10.306	75	3127	0.799	ug/l	92
55) 1,1,2-Trichloroethane	11.012	97	1705	0.717	ug/l #	88
56) Ethyl methacrylate	10.871	69	2228	0.583	ug/l #	87
57) 1,3-Dichloropropane	11.159	76	2875	0.702	ug/l	96
58) 2-Chloroethyl Vinyl ether	10.159	63	5445	3.190	ug/l	97
59) 2-Hexanone	11.194	43	6763	2.884	ug/l	97
60) Dibromochloromethane	11.353	129	1880	0.754	ug/l	90
61) 1,2-Dibromoethane	11.465	107	1451	0.607	ug/l	99
64) Tetrachloroethene	11.100	164	2761	1.138	ug/l #	70
65) Chlorobenzene	11.882	112	5156	0.743	ug/l #	80
66) 1,1,1,2-Tetrachloroethane	11.959	131	1782	0.795	ug/l #	64
67) Ethyl Benzene	11.965	91	8808	0.741	ug/l	95
68) m/p-Xylenes	12.071	106	6364	1.413	ug/l	98
69) o-Xylene	12.388	106	2973	0.664	ug/l	100
70) Styrene	12.412	104	4535	0.619	ug/l	99
71) Bromoform	12.576	173	1010	0.634	ug/l #	83
73) Isopropylbenzene	12.694	105	7339	0.742	ug/l	97
74) N-amyl acetate	12.488	43	2534	0.614	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.935	83	1636	0.539	ug/l #	96
76) 1,2,3-Trichloropropane	12.988	75	2608m	0.901	ug/l	
77) Bromobenzene	12.982	156	1981	0.797	ug/l	98
78) n-propylbenzene	13.029	91	7988	0.704	ug/l	98
79) 2-Chlorotoluene	13.123	91	5958	0.808	ug/l	92
80) 1,3,5-Trimethylbenzene	13.171	105	5420	0.684	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.735	75	546m	0.476	ug/l	
82) 4-Chlorotoluene	13.223	91	5457	0.747	ug/l	99
83) tert-Butylbenzene	13.435	119	5038	0.729	ug/l	97
84) 1,2,4-Trimethylbenzene	13.476	105	5576	0.707	ug/l	98
85) sec-Butylbenzene	13.612	105	6123	0.661	ug/l	99
86) p-Isopropyltoluene	13.723	119	4611	0.607	ug/l	99
87) 1,3-Dichlorobenzene	13.729	146	3455	0.802	ug/l	95
88) 1,4-Dichlorobenzene	13.812	146	3280m	0.769	ug/l	
89) n-Butylbenzene	14.053	91	4227	0.672	ug/l	91
90) Hexachloroethane	14.329	117	918	0.729	ug/l	91
91) 1,2-Dichlorobenzene	14.100	146	3086	0.753	ug/l	95
92) 1,2-Dibromo-3-Chloropr...	14.712	75	157	0.312	ug/l #	59
93) 1,2,4-Trichlorobenzene	15.394	180	1151	0.666	ug/l	89
94) Hexachlorobutadiene	15.500	225	470	0.655	ug/l #	66
95) Naphthalene	15.635	128	4170	0.695	ug/l #	88
96) 1,2,3-Trichlorobenzene	15.829	180	1112	0.657	ug/l	86

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

