

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052725\
 Data File : VN086783.D
 Acq On : 27 May 2025 14:54
 Operator : JC\MD
 Sample : Q2126-07 0.5PPB
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT2-2025

Quant Time: May 29 01:48:50 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	234465	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.094	114	411390	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	359499	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	152533	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	148483	45.830	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	91.660%		
35) Dibromofluoromethane	8.165	113	120569	49.212	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	98.420%		
50) Toluene-d8	10.565	98	503978	49.639	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	99.280%		
62) 4-Bromofluorobenzene	12.847	95	173451	48.383	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	96.760%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.124	85	1007	0.398	ug/l	99
3) Chloromethane	2.359	50	2459	0.642	ug/l	94
4) Vinyl Chloride	2.512	62	1502	0.437	ug/l #	72
5) Bromomethane	2.965	94	1374	0.693	ug/l	98
6) Chloroethane	3.118	64	1104	0.490	ug/l	97
7) Trichlorofluoromethane	3.500	101	1562	0.380	ug/l	100
8) Diethyl Ether	3.965	74	526	0.310	ug/l #	33
9) 1,1,2-Trichlorotrifluo...	4.383	101	1034	0.420	ug/l #	78
10) Methyl Iodide	4.595	142	2021	0.660	ug/l #	83
11) Tert butyl alcohol	5.518	59	974m	1.651	ug/l	
12) 1,1-Dichloroethene	4.336	96	1347	0.515	ug/l #	62
13) Acrolein	4.183	56	1106	1.753	ug/l	93
14) Allyl chloride	5.030	41	1822	0.460	ug/l #	69
15) Acrylonitrile	5.724	53	2702	1.849	ug/l #	88
16) Acetone	4.442	43	3180	2.624	ug/l #	86
17) Carbon Disulfide	4.712	76	4048	0.559	ug/l #	93
18) Methyl Acetate	5.030	43	2944	0.868	ug/l #	85
19) Methyl tert-butyl Ether	5.794	73	4064	0.456	ug/l	99
20) Methylene Chloride	5.265	84	1605	0.502	ug/l #	86
21) trans-1,2-Dichloroethene	5.783	96	1406	0.509	ug/l #	64
22) Diisopropyl ether	6.671	45	3845	0.431	ug/l #	76
23) Vinyl Acetate	6.606	43	12634	1.882	ug/l	96
24) 1,1-Dichloroethane	6.559	63	2244	0.428	ug/l #	82
25) 2-Butanone	7.483	43	4316	2.305	ug/l	99
26) 2,2-Dichloropropane	7.483	77	1993	0.461	ug/l #	74
27) cis-1,2-Dichloroethene	7.488	96	1633	0.481	ug/l	86
28) Bromochloromethane	7.812	49	952	0.400	ug/l #	82
29) Tetrahydrofuran	7.841	42	2372	1.940	ug/l	95
30) Chloroform	7.965	83	2328	0.444	ug/l	98
31) Cyclohexane	8.218	56	6136	1.262	ug/l #	1
32) 1,1,1-Trichloroethane	8.165	97	1928	0.436	ug/l #	46
36) 1,1-Dichloropropene	8.371	75	1815	0.502	ug/l #	80
37) Ethyl Acetate	7.553	43	1721	0.471	ug/l #	81
38) Carbon Tetrachloride	8.353	117	1624	0.456	ug/l #	75
39) Methylcyclohexane	9.600	83	1802	0.461	ug/l #	82
40) Benzene	8.606	78	6090	0.517	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	752	0.382	ug/l #	69
42) 1,2-Dichloroethane	8.671	62	2029	0.552	ug/l #	74
43) Isopropyl Acetate	8.688	43	5763	0.787	ug/l #	70
44) Trichloroethene	9.353	130	1419	0.499	ug/l	70
45) 1,2-Dichloropropane	9.618	63	1295	0.462	ug/l #	42
46) Dibromomethane	9.706	93	898	0.475	ug/l	88
47) Bromodichloromethane	9.888	83	1922	0.494	ug/l #	91
48) Methyl methacrylate	9.682	41	1169	0.412	ug/l	95
49) 1,4-Dioxane	9.700	88	283	4.713	ug/l #	82
51) 4-Methyl-2-Pentanone	10.447	43	7115	1.928	ug/l	99
52) Toluene	10.624	92	3600	0.491	ug/l	92
53) t-1,3-Dichloropropene	10.829	75	1876	0.455	ug/l #	85
54) cis-1,3-Dichloropropene	10.306	75	1983	0.441	ug/l #	84
55) 1,1,2-Trichloroethane	11.012	97	1251	0.458	ug/l #	79
56) Ethyl methacrylate	10.871	69	1927	0.439	ug/l	93
57) 1,3-Dichloropropane	11.159	76	2073	0.440	ug/l	95
58) 2-Chloroethyl Vinyl ether	10.159	63	3915	1.996	ug/l	99
59) 2-Hexanone	11.194	43	5084	1.886	ug/l	100
60) Dibromochloromethane	11.353	129	1455	0.508	ug/l	77
61) 1,2-Dibromoethane	11.465	107	1304	0.475	ug/l	88
64) Tetrachloroethene	11.100	164	1646	0.598	ug/l #	90
65) Chlorobenzene	11.888	112	3868	0.491	ug/l	91
66) 1,1,1,2-Tetrachloroethane	11.959	131	1131	0.444	ug/l #	57
67) Ethyl Benzene	11.965	91	6423	0.476	ug/l	89
68) m/p-Xylenes	12.070	106	4657	0.911	ug/l	99
69) o-Xylene	12.394	106	2012	0.396	ug/l	83
70) Styrene	12.412	104	3533	0.424	ug/l	98
71) Bromoform	12.582	173	908	0.502	ug/l #	88
73) Isopropylbenzene	12.694	105	5234	0.444	ug/l	97
74) N-amyl acetate	12.494	43	1738	0.353	ug/l #	90
75) 1,1,2,2-Tetrachloroethane	12.935	83	1560	0.431	ug/l #	87
76) 1,2,3-Trichloropropane	12.988	75	1978m	0.573	ug/l	
77) Bromobenzene	12.982	156	1596	0.539	ug/l	99
78) n-propylbenzene	13.029	91	6279	0.464	ug/l	97
79) 2-Chlorotoluene	13.117	91	4531	0.515	ug/l	96
80) 1,3,5-Trimethylbenzene	13.170	105	4145	0.439	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.729	75	565m	0.413	ug/l	
82) 4-Chlorotoluene	13.217	91	4508	0.518	ug/l	96
83) tert-Butylbenzene	13.435	119	3964	0.482	ug/l	95
84) 1,2,4-Trimethylbenzene	13.482	105	4328	0.460	ug/l	94
85) sec-Butylbenzene	13.612	105	5023	0.455	ug/l	98
86) p-Isopropyltoluene	13.723	119	3865	0.427	ug/l	93
87) 1,3-Dichlorobenzene	13.729	146	2611	0.509	ug/l	92
88) 1,4-Dichlorobenzene	13.812	146	2961m	0.582	ug/l	
89) n-Butylbenzene	14.053	91	3601	0.480	ug/l	96
90) Hexachloroethane	14.335	117	684	0.456	ug/l	78
91) 1,2-Dichlorobenzene	14.106	146	2447	0.501	ug/l	94
92) 1,2-Dibromo-3-Chloropr...	14.717	75	61	0.102	ug/l #	5
93) 1,2,4-Trichlorobenzene	15.388	180	966	0.469	ug/l	72
94) Hexachlorobutadiene	15.488	225	485	0.567	ug/l #	55
95) Naphthalene	15.635	128	4836	0.676	ug/l #	88
96) 1,2,3-Trichlorobenzene	15.847	180	1033	0.512	ug/l	92

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

