

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052725\
 Data File : VN086785.D
 Acq On : 27 May 2025 15:43
 Operator : JC\MD
 Sample : Q2126-07 2.5PPB
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

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

Quant Time: May 29 01:50:31 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	221864	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	391253	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	346713	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	151845	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.576	65	145885	47.585	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 95.180%			
35) Dibromofluoromethane	8.165	113	120697	51.800	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.600%			
50) Toluene-d8	10.565	98	495756	51.342	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 102.680%			
62) 4-Bromofluorobenzene	12.847	95	172453	50.581	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 101.160%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.124	85	5059	2.111	ug/l	99
3) Chloromethane	2.359	50	8920	2.461	ug/l	95
4) Vinyl Chloride	2.512	62	7521	2.311	ug/l	97
5) Bromomethane	2.953	94	4753	2.533	ug/l	91
6) Chloroethane	3.118	64	4717	2.212	ug/l	95
7) Trichlorofluoromethane	3.500	101	9138	2.349	ug/l	89
8) Diethyl Ether	3.959	74	3888	2.420	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.371	101	6043	2.595	ug/l	95
10) Methyl Iodide	4.594	142	7223	2.494	ug/l #	87
11) Tert butyl alcohol	5.518	59	5604	10.037	ug/l #	77
12) 1,1-Dichloroethene	4.330	96	6156	2.488	ug/l	83
13) Acrolein	4.171	56	3734	6.256	ug/l	100
14) Allyl chloride	5.012	41	8952	2.390	ug/l	93
15) Acrylonitrile	5.724	53	16628	12.028	ug/l	94
16) Acetone	4.424	43	12435	10.843	ug/l #	86
17) Carbon Disulfide	4.712	76	17330	2.529	ug/l	99
18) Methyl Acetate	5.018	43	17201	5.359	ug/l	97
19) Methyl tert-butyl Ether	5.788	73	21263	2.523	ug/l	100
20) Methylene Chloride	5.283	84	7672	2.535	ug/l #	88
21) trans-1,2-Dichloroethene	5.788	96	6731	2.573	ug/l	89
22) Diisopropyl ether	6.671	45	20083	2.377	ug/l	96
23) Vinyl Acetate	6.600	43	45759	7.205	ug/l	100
24) 1,1-Dichloroethane	6.571	63	11869	2.392	ug/l	98
25) 2-Butanone	7.482	43	19638	11.082	ug/l	91
26) 2,2-Dichloropropane	7.488	77	10411	2.543	ug/l	99
27) cis-1,2-Dichloroethene	7.488	96	8239	2.566	ug/l	97
28) Bromochloromethane	7.806	49	4990	2.214	ug/l #	87
29) Tetrahydrofuran	7.841	42	12909	11.160	ug/l	97
30) Chloroform	7.965	83	12082	2.433	ug/l	90
31) Cyclohexane	8.247	56	14861	3.230	ug/l #	95
32) 1,1,1-Trichloroethane	8.165	97	10477	2.502	ug/l #	48
36) 1,1-Dichloropropene	8.365	75	8565	2.492	ug/l	99
37) Ethyl Acetate	7.565	43	8486m	2.444	ug/l	
38) Carbon Tetrachloride	8.359	117	8844	2.612	ug/l	87
39) Methylcyclohexane	9.600	83	9857	2.650	ug/l	97
40) Benzene	8.600	78	30256	2.699	ug/l	97

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41) Methacrylonitrile	7.782	41	4371	2.332	ug/l	93
42) 1,2-Dichloroethane	8.665	62	8975	2.569	ug/l	95
43) Isopropyl Acetate	8.676	43	17852	2.565	ug/l	95
44) Trichloroethene	9.347	130	8527	3.153	ug/l	97
45) 1,2-Dichloropropane	9.618	63	7003	2.629	ug/l #	88
46) Dibromomethane	9.700	93	4575	2.546	ug/l	96
47) Bromodichloromethane	9.888	83	9282	2.507	ug/l	93
48) Methyl methacrylate	9.676	41	6167	2.287	ug/l	94
49) 1,4-Dioxane	9.688	88	2674	46.823	ug/l #	78
51) 4-Methyl-2-Pentanone	10.441	43	39632	11.292	ug/l	97
52) Toluene	10.629	92	18759	2.692	ug/l	98
53) t-1,3-Dichloropropene	10.829	75	9851	2.513	ug/l	100
54) cis-1,3-Dichloropropene	10.306	75	10874	2.541	ug/l	99
55) 1,1,2-Trichloroethane	11.018	97	6490	2.497	ug/l #	89
56) Ethyl methacrylate	10.870	69	9940	2.382	ug/l #	91
57) 1,3-Dichloropropane	11.159	76	11203	2.502	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.159	63	21203	11.367	ug/l	99
59) 2-Hexanone	11.194	43	29026	11.325	ug/l	97
60) Dibromochloromethane	11.359	129	7118	2.613	ug/l	98
61) 1,2-Dibromoethane	11.465	107	6711	2.569	ug/l	97
64) Tetrachloroethene	11.100	164	9799	3.689	ug/l	94
65) Chlorobenzene	11.888	112	20058	2.638	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.959	131	6360	2.591	ug/l	97
67) Ethyl Benzene	11.959	91	31920	2.451	ug/l	95
68) m/p-Xylenes	12.065	106	24266	4.920	ug/l	100
69) o-Xylene	12.394	106	12478	2.545	ug/l	99
70) Styrene	12.412	104	18673	2.326	ug/l	98
71) Bromoform	12.576	173	5066	2.902	ug/l #	97
73) Isopropylbenzene	12.694	105	28651	2.443	ug/l	98
74) N-amyl acetate	12.494	43	9879	2.016	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.929	83	6752	1.874	ug/l	99
76) 1,2,3-Trichloropropane	12.994	75	7609m	2.216	ug/l	
77) Bromobenzene	12.976	156	7496	2.541	ug/l	97
78) n-propylbenzene	13.035	91	31505	2.341	ug/l	100
79) 2-Chlorotoluene	13.123	91	22062	2.521	ug/l	99
80) 1,3,5-Trimethylbenzene	13.164	105	22859	2.433	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.735	75	2941	2.161	ug/l	98
82) 4-Chlorotoluene	13.217	91	21370	2.465	ug/l	99
83) tert-Butylbenzene	13.435	119	19803	2.417	ug/l	98
84) 1,2,4-Trimethylbenzene	13.476	105	22695	2.426	ug/l	97
85) sec-Butylbenzene	13.611	105	26495	2.411	ug/l	99
86) p-Isopropyltoluene	13.723	119	21698	2.409	ug/l	98
87) 1,3-Dichlorobenzene	13.729	146	13128	2.570	ug/l	97
88) 1,4-Dichlorobenzene	13.811	146	13590	2.685	ug/l	92
89) n-Butylbenzene	14.053	91	16775	2.247	ug/l	99
90) Hexachloroethane	14.329	117	3896	2.607	ug/l	95
91) 1,2-Dichlorobenzene	14.106	146	12776	2.629	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.717	75	1300	2.178	ug/l	93
93) 1,2,4-Trichlorobenzene	15.388	180	5050	2.462	ug/l	97
94) Hexachlorobutadiene	15.500	225	2111	2.481	ug/l	92
95) Naphthalene	15.635	128	16498	2.317	ug/l	98
96) 1,2,3-Trichlorobenzene	15.835	180	4661	2.321	ug/l	94

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

