

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052725\
 Data File : VN086787.D
 Acq On : 27 May 2025 16:31
 Operator : JC\MD
 Sample : Q2126-08 5.0PPB
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT2-2025

Quant Time: May 29 01:52:15 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	225820	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	402553	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	351154	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	153128	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	143588	46.016	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	92.040%		
35) Dibromofluoromethane	8.165	113	115651	48.241	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	96.480%		
50) Toluene-d8	10.565	98	488743	49.195	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	98.380%		
62) 4-Bromofluorobenzene	12.847	95	172901	49.289	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	98.580%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.124	85	9769	4.006	ug/l	93
3) Chloromethane	2.359	50	16654	4.515	ug/l	96
4) Vinyl Chloride	2.512	62	15038	4.540	ug/l	96
5) Bromomethane	2.947	94	8940	4.681	ug/l	91
6) Chloroethane	3.112	64	9905	4.564	ug/l	94
7) Trichlorofluoromethane	3.494	101	19281	4.870	ug/l	90
8) Diethyl Ether	3.959	74	8138	4.976	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.371	101	11661	4.920	ug/l	95
10) Methyl Iodide	4.583	142	13975	4.740	ug/l #	94
11) Tert butyl alcohol	5.518	59	12463	21.930	ug/l #	84
12) 1,1-Dichloroethene	4.341	96	12589	4.998	ug/l	79
13) Acrolein	4.183	56	7035	11.580	ug/l	100
14) Allyl chloride	5.018	41	18917	4.962	ug/l	90
15) Acrylonitrile	5.712	53	32703	23.241	ug/l	99
16) Acetone	4.430	43	24834	21.276	ug/l	94
17) Carbon Disulfide	4.712	76	34268	4.914	ug/l	95
18) Methyl Acetate	5.030	43	20231	6.193	ug/l	100
19) Methyl tert-butyl Ether	5.788	73	41604	4.851	ug/l	96
20) Methylene Chloride	5.271	84	14386	4.670	ug/l	99
21) trans-1,2-Dichloroethene	5.788	96	13293	4.992	ug/l	90
22) Diisopropyl ether	6.671	45	39902	4.639	ug/l	94
23) Vinyl Acetate	6.600	43	81378	12.589	ug/l	99
24) 1,1-Dichloroethane	6.565	63	24348	4.822	ug/l	95
25) 2-Butanone	7.482	43	38867	21.548	ug/l	91
26) 2,2-Dichloropropane	7.488	77	20526	4.926	ug/l	99
27) cis-1,2-Dichloroethene	7.488	96	16172	4.948	ug/l	99
28) Bromochloromethane	7.812	49	10671	4.651	ug/l	92
29) Tetrahydrofuran	7.841	42	26829	22.788	ug/l	99
30) Chloroform	7.959	83	24000	4.748	ug/l	97
31) Cyclohexane	8.253	56	24969	5.332	ug/l	90
32) 1,1,1-Trichloroethane	8.165	97	21364	5.013	ug/l	91
36) 1,1-Dichloropropene	8.365	75	17399	4.920	ug/l	99
37) Ethyl Acetate	7.565	43	16756	4.691	ug/l	99
38) Carbon Tetrachloride	8.359	117	17197	4.936	ug/l	94
39) Methylcyclohexane	9.594	83	19125	4.997	ug/l	92
40) Benzene	8.600	78	58466	5.068	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	8491	4.402	ug/l	95
42) 1,2-Dichloroethane	8.665	62	17835	4.963	ug/l	100
43) Isopropyl Acetate	8.688	43	31693	4.426	ug/l	99
44) Trichloroethene	9.347	130	17741	6.376	ug/l	96
45) 1,2-Dichloropropane	9.618	63	13828	5.046	ug/l	89
46) Dibromomethane	9.706	93	9319	5.040	ug/l	99
47) Bromodichloromethane	9.888	83	18727	4.915	ug/l	96
48) Methyl methacrylate	9.676	41	12771	4.602	ug/l	95
49) 1,4-Dioxane	9.688	88	5012	85.300	ug/l	98
51) 4-Methyl-2-Pentanone	10.441	43	81674	22.617	ug/l	99
52) Toluene	10.623	92	36178	5.046	ug/l	97
53) t-1,3-Dichloropropene	10.835	75	20071	4.976	ug/l	98
54) cis-1,3-Dichloropropene	10.306	75	21874	4.967	ug/l	94
55) 1,1,2-Trichloroethane	11.012	97	13227	4.946	ug/l	87
56) Ethyl methacrylate	10.870	69	20404	4.752	ug/l #	95
57) 1,3-Dichloropropane	11.165	76	22608	4.907	ug/l	98
58) 2-Chloroethyl Vinyl ether	10.159	63	45252	23.579	ug/l	99
59) 2-Hexanone	11.194	43	58867	22.323	ug/l	99
60) Dibromochloromethane	11.353	129	13925	4.968	ug/l	99
61) 1,2-Dibromoethane	11.465	107	13549	5.041	ug/l	98
64) Tetrachloroethene	11.100	164	20499	7.620	ug/l	97
65) Chlorobenzene	11.888	112	40647	5.279	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.959	131	13226	5.321	ug/l	98
67) Ethyl Benzene	11.959	91	66097	5.011	ug/l	97
68) m/p-Xylenes	12.070	106	51513	10.312	ug/l	96
69) o-Xylene	12.394	106	25304	5.095	ug/l	99
70) Styrene	12.406	104	39518	4.860	ug/l	99
71) Bromoform	12.576	173	9566	5.411	ug/l #	99
73) Isopropylbenzene	12.694	105	59113	4.998	ug/l	100
74) N-amyl acetate	12.494	43	20345	4.117	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.935	83	12821	3.529	ug/l	98
76) 1,2,3-Trichloropropane	12.988	75	17738m	5.122	ug/l	
77) Bromobenzene	12.976	156	15127	5.085	ug/l	96
78) n-propylbenzene	13.035	91	66319	4.886	ug/l	98
79) 2-Chlorotoluene	13.123	91	44683	5.063	ug/l	100
80) 1,3,5-Trimethylbenzene	13.170	105	47016	4.962	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.735	75	6971	5.080	ug/l #	87
82) 4-Chlorotoluene	13.217	91	43671	4.995	ug/l	99
83) tert-Butylbenzene	13.435	119	40511	4.903	ug/l	99
84) 1,2,4-Trimethylbenzene	13.476	105	45796	4.853	ug/l	100
85) sec-Butylbenzene	13.611	105	54313	4.902	ug/l	99
86) p-Isopropyltoluene	13.723	119	43878	4.831	ug/l	98
87) 1,3-Dichlorobenzene	13.729	146	26104	5.067	ug/l	99
88) 1,4-Dichlorobenzene	13.806	146	26728	5.236	ug/l	95
89) n-Butylbenzene	14.053	91	35153	4.669	ug/l	99
90) Hexachloroethane	14.329	117	7728	5.128	ug/l	99
91) 1,2-Dichlorobenzene	14.100	146	25192	5.141	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.711	75	2855	4.743	ug/l	95
93) 1,2,4-Trichlorobenzene	15.388	180	10169	4.917	ug/l	97
94) Hexachlorobutadiene	15.494	225	4326	5.041	ug/l	99
95) Naphthalene	15.635	128	32669	4.549	ug/l	98
96) 1,2,3-Trichlorobenzene	15.835	180	9537	4.708	ug/l	96

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

