

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120225\
 Data File : VN088412.D
 Acq On : 02 Dec 2025 16:23
 Operator : JC\MD
 Sample : Q3530-08 1.0PPB
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT4-2025

Quant Time: Dec 03 03:52:32 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112425W.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 25 01:34:52 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 12/03/2025
 Supervised By : Mahesh Dadoda 12/03/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.206	168	219732	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	405293	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	353692	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	160532	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	193176	46.669	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	93.340%		
35) Dibromofluoromethane	8.147	113	128775	45.849	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	91.700%		
50) Toluene-d8	10.541	98	465017	44.497	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	89.000%		
62) 4-Bromofluorobenzene	12.829	95	140718	39.244	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	78.480%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.142	85	2903	0.880	ug/l	92
3) Chloromethane	2.383	50	3678	1.038	ug/l	96
4) Vinyl Chloride	2.536	62	3391	0.940	ug/l #	86
5) Bromomethane	3.000	94	1884	1.086	ug/l	83
6) Chloroethane	3.147	64	1914	0.858	ug/l	93
7) Trichlorofluoromethane	3.518	101	5025	0.991	ug/l	97
8) Diethyl Ether	3.959	74	1544m	0.812	ug/l	
9) 1,1,2-Trichlorotrifluo...	4.383	101	2654m	0.984	ug/l	
10) Methyl Iodide	4.571	142	1682m	0.630	ug/l	
11) Tert butyl alcohol	5.512	59	2949	4.462	ug/l #	78
12) 1,1-Dichloroethene	4.336	96	2995	1.117	ug/l #	49
13) Acrolein	4.177	56	3011	4.759	ug/l	93
14) Allyl chloride	5.012	41	4370m	0.879	ug/l	
15) Acrylonitrile	5.724	53	7994	4.193	ug/l #	23
16) Acetone	4.424	43	10577	7.066	ug/l	95
17) Carbon Disulfide	4.694	76	8544	0.975	ug/l	97
18) Methyl Acetate	5.030	43	3893	0.874	ug/l #	80
19) Methyl tert-butyl Ether	5.788	73	8524	0.849	ug/l #	81
20) Methylene Chloride	5.265	84	3241m	1.012	ug/l	
21) trans-1,2-Dichloroethene	5.783	96	2485	0.837	ug/l	85
22) Diisopropyl ether	6.665	45	7794	0.735	ug/l #	94
23) Vinyl Acetate	6.594	43	36808	4.307	ug/l #	94
24) 1,1-Dichloroethane	6.553	63	6094	1.014	ug/l #	93
25) 2-Butanone	7.482	43	10727	4.457	ug/l	91
26) 2,2-Dichloropropane	7.471	77	4690	0.904	ug/l #	69
27) cis-1,2-Dichloroethene	7.477	96	3238	0.938	ug/l	89
28) Bromochloromethane	7.794	49	2324	0.777	ug/l #	99
29) Tetrahydrofuran	7.830	42	6589	3.817	ug/l	93
30) Chloroform	7.947	83	5525	0.936	ug/l	93
31) Cyclohexane	8.229	56	4502m	0.827	ug/l	
32) 1,1,1-Trichloroethane	8.147	97	4994	0.962	ug/l #	48
36) 1,1-Dichloropropene	8.359	75	3760	0.867	ug/l	93
37) Ethyl Acetate	7.559	43	4938m	0.866	ug/l	
38) Carbon Tetrachloride	8.347	117	4187	0.970	ug/l #	78
39) Methylcyclohexane	9.576	83	4356	0.939	ug/l	86
40) Benzene	8.588	78	12031	0.946	ug/l	94

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41) Methacrylonitrile	7.759	41	2801m	0.992	ug/l	
42) 1,2-Dichloroethane	8.653	62	4967	1.023	ug/l	80
43) Isopropyl Acetate	8.671	43	6630	0.761	ug/l #	89
44) Trichloroethene	9.329	130	2726	0.907	ug/l	75
45) 1,2-Dichloropropane	9.594	63	2747	0.843	ug/l	95
46) Dibromomethane	9.688	93	2011	0.864	ug/l	96
47) Bromodichloromethane	9.859	83	4451	0.938	ug/l #	85
48) Methyl methacrylate	9.671	41	3615m	0.910	ug/l	
49) 1,4-Dioxane	9.682	88	342m	6.768	ug/l	
51) 4-Methyl-2-Pentanone	10.423	43	20061	3.908	ug/l	94
52) Toluene	10.618	92	6640	0.904	ug/l	98
53) t-1,3-Dichloropropene	10.818	75	3399	0.698	ug/l	91
54) cis-1,3-Dichloropropene	10.288	75	4009	0.782	ug/l #	87
55) 1,1,2-Trichloroethane	10.994	97	2434	0.856	ug/l #	77
56) Ethyl methacrylate	10.859	69	2564m	0.571	ug/l	
57) 1,3-Dichloropropane	11.141	76	4372	0.853	ug/l	98
58) 2-Chloroethyl Vinyl ether	10.135	63	6554	2.532	ug/l	94
59) 2-Hexanone	11.194	43	12185m	3.768	ug/l	
60) Dibromochloromethane	11.335	129	2923	0.902	ug/l	97
61) 1,2-Dibromoethane	11.447	107	2559	0.889	ug/l	97
64) Tetrachloroethene	11.082	164	2661	0.949	ug/l #	77
65) Chlorobenzene	11.859	112	6988	0.880	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.935	131	2432	0.908	ug/l #	65
67) Ethyl Benzene	11.947	91	11113	0.800	ug/l	94
68) m/p-Xylenes	12.047	106	7911	1.537	ug/l	100
69) o-Xylene	12.376	106	3912	0.797	ug/l	92
70) Styrene	12.394	104	4822	0.605	ug/l #	83
71) Bromoform	12.553	173	1794	0.914	ug/l #	84
73) Isopropylbenzene	12.670	105	8400	0.708	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.923	83	3859	1.006	ug/l #	83
76) 1,2,3-Trichloropropane	12.970	75	4725m	1.257	ug/l	
77) Bromobenzene	12.953	156	2415	0.889	ug/l	86
78) n-propylbenzene	13.012	91	11470	0.790	ug/l	99
79) 2-Chlorotoluene	13.106	91	7806m	0.880	ug/l	
80) 1,3,5-Trimethylbenzene	13.147	105	6922	0.704	ug/l	95
81) trans-1,4-Dichloro-2-b...	12.723	75	533m	0.402	ug/l	
82) 4-Chlorotoluene	13.200	91	7789	0.884	ug/l	90
83) tert-Butylbenzene	13.412	119	9131m	1.092	ug/l	
84) 1,2,4-Trimethylbenzene	13.459	105	6464	0.661	ug/l	88
85) sec-Butylbenzene	13.588	105	9026	0.751	ug/l	99
86) p-Isopropyltoluene	13.706	119	6693	0.680	ug/l	88
87) 1,3-Dichlorobenzene	13.711	146	5019	0.949	ug/l	92
88) 1,4-Dichlorobenzene	13.788	146	5592m	1.010	ug/l	
89) n-Butylbenzene	14.035	91	8302	0.868	ug/l	92
90) Hexachloroethane	14.311	117	1666	0.926	ug/l	95
91) 1,2-Dichlorobenzene	14.094	146	4305	0.865	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.711	75	837	0.899	ug/l #	58
93) 1,2,4-Trichlorobenzene	15.376	180	2255	0.763	ug/l	97
94) Hexachlorobutadiene	15.476	225	922	0.868	ug/l #	64
95) Naphthalene	15.623	128	6341	0.619	ug/l #	94
96) 1,2,3-Trichlorobenzene	15.811	180	2112	0.734	ug/l #	30

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

