

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120225\
 Data File : VN088413.D
 Acq On : 02 Dec 2025 16:44
 Operator : JC\MD
 Sample : Q3530-08 5.0PPB
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 20 Sample Multiplier: 1

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

Quant Time: Dec 03 03:59:01 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	227631	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	438948	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	396778	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	186375	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	236252	55.095	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 110.180%			
35) Dibromofluoromethane	8.147	113	156367	51.405	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.800%			
50) Toluene-d8	10.541	98	567027	50.099	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 100.200%			
62) 4-Bromofluorobenzene	12.829	95	183517	47.256	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 94.520%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.142	85	15242	4.458	ug/l	93
3) Chloromethane	2.389	50	19355	5.271	ug/l	99
4) Vinyl Chloride	2.536	62	17999	4.818	ug/l	99
5) Bromomethane	2.977	94	8862	4.929	ug/l	94
6) Chloroethane	3.136	64	12698	5.493	ug/l #	85
7) Trichlorofluoromethane	3.518	101	28124	5.356	ug/l	94
8) Diethyl Ether	3.953	74	11406	5.788	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.377	101	14913	5.335	ug/l	96
10) Methyl Iodide	4.577	142	10697	3.866	ug/l	98
11) Tert butyl alcohol	5.518	59	17630	25.751	ug/l #	77
12) 1,1-Dichloroethene	4.336	96	15141	5.452	ug/l	81
13) Acrolein	4.177	56	19051	29.066	ug/l	97
14) Allyl chloride	5.006	41	25988	5.049	ug/l	92
15) Acrylonitrile	5.706	53	52774	26.717	ug/l	97
16) Acetone	4.424	43	60044	38.718	ug/l	98
17) Carbon Disulfide	4.706	76	49769	5.484	ug/l	98
18) Methyl Acetate	5.018	43	24420	5.290	ug/l	100
19) Methyl tert-butyl Ether	5.788	73	55907	5.373	ug/l	92
20) Methylene Chloride	5.259	84	19271	5.808	ug/l	95
21) trans-1,2-Dichloroethene	5.777	96	16611	5.399	ug/l	94
22) Diisopropyl ether	6.647	45	59098	5.378	ug/l #	90
23) Vinyl Acetate	6.588	43	225431m	25.461	ug/l	
24) 1,1-Dichloroethane	6.541	63	35579	5.717	ug/l	98
25) 2-Butanone	7.471	43	74481	29.875	ug/l	97
26) 2,2-Dichloropropane	7.471	77	29563	5.503	ug/l	99
27) cis-1,2-Dichloroethene	7.471	96	19601	5.482	ug/l	98
28) Bromochloromethane	7.794	49	17891	5.771	ug/l	91
29) Tetrahydrofuran	7.835	42	44033	24.624	ug/l	98
30) Chloroform	7.947	83	34255	5.602	ug/l	96
31) Cyclohexane	8.235	56	32957	5.844	ug/l #	93
32) 1,1,1-Trichloroethane	8.153	97	29305	5.450	ug/l #	84
36) 1,1-Dichloropropene	8.353	75	20930	4.458	ug/l	97
37) Ethyl Acetate	7.553	43	29880	4.841	ug/l	99
38) Carbon Tetrachloride	8.341	117	24165	5.171	ug/l #	93
39) Methylcyclohexane	9.582	83	20906	4.163	ug/l	96
40) Benzene	8.588	78	73072	5.303	ug/l	98

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41) Methacrylonitrile	7.753	41	15758	5.154	ug/l	97
42) 1,2-Dichloroethane	8.653	62	28988	5.514	ug/l	98
43) Isopropyl Acetate	8.671	43	46472	4.927	ug/l	97
44) Trichloroethene	9.335	130	16726	5.137	ug/l	94
45) 1,2-Dichloropropane	9.600	63	19303	5.468	ug/l	93
46) Dibromomethane	9.682	93	13842	5.494	ug/l	99
47) Bromodichloromethane	9.865	83	28376	5.520	ug/l	97
48) Methyl methacrylate	9.671	41	20800	4.834	ug/l	97
49) 1,4-Dioxane	9.682	88	4429m	80.931	ug/l	
51) 4-Methyl-2-Pentanone	10.423	43	140008	25.185	ug/l	99
52) Toluene	10.606	92	41168	5.174	ug/l	95
53) t-1,3-Dichloropropene	10.812	75	26064	4.940	ug/l	98
54) cis-1,3-Dichloropropene	10.288	75	27523	4.960	ug/l	95
55) 1,1,2-Trichloroethane	10.994	97	17420	5.659	ug/l	93
56) Ethyl methacrylate	10.853	69	22301	4.586	ug/l	94
57) 1,3-Dichloropropane	11.141	76	29300	5.276	ug/l	98
58) 2-Chloroethyl Vinyl ether	10.141	63	73090	26.073	ug/l	97
59) 2-Hexanone	11.182	43	97698m	27.898	ug/l	
60) Dibromochloromethane	11.335	129	19139	5.454	ug/l	98
61) 1,2-Dibromoethane	11.447	107	16918	5.427	ug/l	98
64) Tetrachloroethene	11.076	164	14418	4.584	ug/l	91
65) Chlorobenzene	11.870	112	47260	5.303	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.935	131	15559	5.176	ug/l	93
67) Ethyl Benzene	11.941	91	71148	4.567	ug/l	100
68) m/p-Xylenes	12.047	106	52014	9.006	ug/l	100
69) o-Xylene	12.376	106	24141	4.384	ug/l	96
70) Styrene	12.388	104	38824	4.343	ug/l	96
71) Bromoform	12.559	173	11600	5.269	ug/l #	97
73) Isopropylbenzene	12.670	105	59392	4.310	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.917	83	23780	5.338	ug/l	93
76) 1,2,3-Trichloropropane	12.976	75	21203m	4.857	ug/l	
77) Bromobenzene	12.959	156	17041	5.405	ug/l	92
78) n-propylbenzene	13.012	91	76945	4.564	ug/l	99
79) 2-Chlorotoluene	13.100	91	45595	4.429	ug/l	95
80) 1,3,5-Trimethylbenzene	13.147	105	52364	4.586	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.723	75	6470m	4.205	ug/l	
82) 4-Chlorotoluene	13.206	91	50553	4.944	ug/l	99
83) tert-Butylbenzene	13.412	119	42891	4.419	ug/l	98
84) 1,2,4-Trimethylbenzene	13.459	105	51873	4.570	ug/l	100
85) sec-Butylbenzene	13.594	105	63022	4.519	ug/l	100
86) p-Isopropyltoluene	13.706	119	48602	4.250	ug/l	98
87) 1,3-Dichlorobenzene	13.711	146	28481	4.640	ug/l	95
88) 1,4-Dichlorobenzene	13.788	146	32410	5.041	ug/l	93
89) n-Butylbenzene	14.035	91	48768	4.392	ug/l	98
90) Hexachloroethane	14.311	117	11175	5.350	ug/l	97
91) 1,2-Dichlorobenzene	14.088	146	28434	4.923	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.694	75	5404	5.000	ug/l	94
93) 1,2,4-Trichlorobenzene	15.364	180	15040	4.382	ug/l	97
94) Hexachlorobutadiene	15.470	225	5733	4.649	ug/l	96
95) Naphthalene	15.617	128	47394	3.985	ug/l	99
96) 1,2,3-Trichlorobenzene	15.817	180	15363	4.600	ug/l	98

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

