

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120225\
 Data File : VN088410.D
 Acq On : 02 Dec 2025 15:42
 Operator : JC\MD
 Sample : Q3530-07 0.75PPB
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT4-2025

Quant Time: Dec 03 03:46:37 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	244516	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.083	114	466030	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	410573	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	188301	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	228569	49.622	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	99.240%		
35) Dibromofluoromethane	8.147	113	147241	45.592	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	91.180%		
50) Toluene-d8	10.541	98	527607	43.907	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	87.820%		
62) 4-Bromofluorobenzene	12.823	95	166847	40.467	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	80.940%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.148	85	2409	0.656	ug/l	92
3) Chloromethane	2.383	50	2954	0.749	ug/l #	73
4) Vinyl Chloride	2.542	62	2864	0.714	ug/l	98
5) Bromomethane	2.995	94	1372m	0.710	ug/l	
6) Chloroethane	3.154	64	1977	0.796	ug/l #	85
7) Trichlorofluoromethane	3.524	101	4534	0.804	ug/l #	82
8) Diethyl Ether	3.959	74	1792m	0.847	ug/l	
9) 1,1,2-Trichlorotrifluo...	4.377	101	2519	0.839	ug/l	92
10) Methyl Iodide	4.577	142	1657	0.557	ug/l #	87
11) Tert butyl alcohol	5.524	59	2481m	3.374	ug/l	
12) 1,1-Dichloroethene	4.348	96	2679m	0.898	ug/l	
13) Acrolein	4.183	56	2864m	4.068	ug/l	
14) Allyl chloride	5.018	41	4038	0.730	ug/l #	87
15) Acrylonitrile	5.712	53	8664	4.083	ug/l #	88
16) Acetone	4.430	43	12098	7.262	ug/l #	87
17) Carbon Disulfide	4.700	76	8938	0.917	ug/l	96
18) Methyl Acetate	5.012	43	4283	0.864	ug/l #	72
19) Methyl tert-butyl Ether	5.777	73	8829	0.790	ug/l	98
20) Methylene Chloride	5.265	84	3517	0.987	ug/l #	85
21) trans-1,2-Dichloroethene	5.783	96	2537	0.768	ug/l #	52
22) Diisopropyl ether	6.647	45	8192m	0.694	ug/l	
23) Vinyl Acetate	6.589	43	36241m	3.811	ug/l	
24) 1,1-Dichloroethane	6.553	63	5315	0.795	ug/l #	83
25) 2-Butanone	7.477	43	12242	4.571	ug/l	94
26) 2,2-Dichloropropane	7.471	77	4606	0.798	ug/l	79
27) cis-1,2-Dichloroethene	7.477	96	3406	0.887	ug/l	72
28) Bromochloromethane	7.800	49	2470	0.742	ug/l #	98
29) Tetrahydrofuran	7.830	42	6278	3.268	ug/l	97
30) Chloroform	7.953	83	5101	0.777	ug/l	91
31) Cyclohexane	8.206	56	12072	1.993	ug/l #	37
32) 1,1,1-Trichloroethane	8.141	97	5074	0.879	ug/l #	52
36) 1,1-Dichloropropene	8.341	75	3442m	0.691	ug/l	
37) Ethyl Acetate	7.541	43	5406	0.825	ug/l #	77
38) Carbon Tetrachloride	8.347	117	3912	0.788	ug/l #	84
39) Methylcyclohexane	9.588	83	3534	0.663	ug/l #	91
40) Benzene	8.588	78	11127	0.761	ug/l #	89

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41) Methacrylonitrile	7.765	41	2493	0.768	ug/l #	55
42) 1,2-Dichloroethane	8.659	62	4583	0.821	ug/l	84
43) Isopropyl Acetate	8.677	43	7210	0.720	ug/l #	61
44) Trichloroethene	9.335	130	2925	0.846	ug/l	64
45) 1,2-Dichloropropane	9.594	63	3248	0.867	ug/l #	88
46) Dibromomethane	9.682	93	2073	0.775	ug/l #	88
47) Bromodichloromethane	9.865	83	4099	0.751	ug/l #	91
48) Methyl methacrylate	9.665	41	3633m	0.795	ug/l	
49) 1,4-Dioxane	9.682	88	440m	7.573	ug/l	
51) 4-Methyl-2-Pentanone	10.424	43	18147	3.075	ug/l	100
52) Toluene	10.612	92	6700	0.793	ug/l	100
53) t-1,3-Dichloropropene	10.818	75	3896	0.695	ug/l #	59
54) cis-1,3-Dichloropropene	10.282	75	4058	0.689	ug/l #	73
55) 1,1,2-Trichloroethane	10.988	97	2517	0.770	ug/l #	92
56) Ethyl methacrylate	10.865	69	2137	0.414	ug/l #	75
57) 1,3-Dichloropropane	11.135	76	4538	0.770	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.147	63	8192	2.753	ug/l	97
59) 2-Hexanone	11.188	43	13025m	3.503	ug/l	
60) Dibromochloromethane	11.324	129	2785	0.748	ug/l #	11
61) 1,2-Dibromoethane	11.447	107	2683	0.811	ug/l	86
64) Tetrachloroethene	11.082	164	2191	0.673	ug/l	92
65) Chlorobenzene	11.876	112	7364	0.799	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.935	131	2317	0.745	ug/l #	63
67) Ethyl Benzene	11.941	91	11067	0.687	ug/l #	78
68) m/p-Xylenes	12.047	106	7816	1.308	ug/l	98
69) o-Xylene	12.376	106	3088	0.542	ug/l	82
70) Styrene	12.382	104	4914	0.531	ug/l	97
71) Bromoform	12.553	173	1657	0.727	ug/l #	99
73) Isopropylbenzene	12.676	105	8330	0.598	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.918	83	3675	0.816	ug/l #	95
76) 1,2,3-Trichloropropane	12.976	75	3753m	0.851	ug/l	
77) Bromobenzene	12.953	156	2270	0.713	ug/l	90
78) n-propylbenzene	13.018	91	11724	0.688	ug/l	99
79) 2-Chlorotoluene	13.106	91	7555	0.726	ug/l	93
80) 1,3,5-Trimethylbenzene	13.147	105	7954	0.689	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.735	75	830m	0.534	ug/l	
82) 4-Chlorotoluene	13.206	91	7343	0.711	ug/l	94
83) tert-Butylbenzene	13.412	119	8153m	0.831	ug/l	
84) 1,2,4-Trimethylbenzene	13.465	105	6896	0.601	ug/l	81
85) sec-Butylbenzene	13.594	105	8453	0.600	ug/l	99
86) p-Isopropyltoluene	13.706	119	6332	0.548	ug/l	96
87) 1,3-Dichlorobenzene	13.712	146	4345	0.701	ug/l	97
88) 1,4-Dichlorobenzene	13.788	146	5361m	0.825	ug/l	
89) n-Butylbenzene	14.041	91	7336	0.654	ug/l	97
90) Hexachloroethane	14.300	117	1345	0.637	ug/l	66
91) 1,2-Dichlorobenzene	14.088	146	4148	0.711	ug/l	94
92) 1,2-Dibromo-3-Chloropr...	14.700	75	471	0.431	ug/l	83
93) 1,2,4-Trichlorobenzene	15.370	180	2319	0.669	ug/l	96
94) Hexachlorobutadiene	15.476	225	705	0.566	ug/l	63
95) Naphthalene	15.623	128	6406	0.533	ug/l	98
96) 1,2,3-Trichlorobenzene	15.817	180	2443	0.724	ug/l	82

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

