

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120225\
 Data File : VN088411.D
 Acq On : 02 Dec 2025 16:03
 Operator : JC\MD
 Sample : Q3530-07 2.5PPB
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

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

Quant Time: Dec 03 03:49:59 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	230830	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.076	114	452048	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	406965	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	184221	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	271225	62.374	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 124.740%			
35) Dibromofluoromethane	8.153	113	179548	57.315	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 114.620%			
50) Toluene-d8	10.541	98	645158	55.350	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 110.700%			
62) 4-Bromofluorobenzene	12.829	95	206977	51.752	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 103.500%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.148	85	9123	2.631	ug/l	86
3) Chloromethane	2.383	50	10844	2.912	ug/l	92
4) Vinyl Chloride	2.542	62	9918	2.618	ug/l	92
5) Bromomethane	2.983	94	4826	2.647	ug/l	87
6) Chloroethane	3.142	64	6489	2.768	ug/l	90
7) Trichlorofluoromethane	3.512	101	14789	2.778	ug/l	85
8) Diethyl Ether	3.965	74	5594	2.799	ug/l	87
9) 1,1,2-Trichlorotrifluo...	4.371	101	7850m	2.769	ug/l	
10) Methyl Iodide	4.589	142	5063	1.804	ug/l #	87
11) Tert butyl alcohol	5.518	59	9053	13.040	ug/l #	90
12) 1,1-Dichloroethene	4.336	96	8245	2.928	ug/l #	75
13) Acrolein	4.183	56	8405	12.646	ug/l	92
14) Allyl chloride	5.018	41	13283	2.545	ug/l	98
15) Acrylonitrile	5.712	53	28345	14.151	ug/l	99
16) Acetone	4.430	43	36148	22.986	ug/l #	87
17) Carbon Disulfide	4.712	76	26293	2.857	ug/l #	94
18) Methyl Acetate	5.012	43	13172	2.814	ug/l	99
19) Methyl tert-butyl Ether	5.783	73	28534	2.704	ug/l	99
20) Methylene Chloride	5.259	84	11004	3.271	ug/l	87
21) trans-1,2-Dichloroethene	5.777	96	9367	3.003	ug/l #	76
22) Diisopropyl ether	6.653	45	30288	2.718	ug/l #	82
23) Vinyl Acetate	6.594	43	118675	13.218	ug/l	98
24) 1,1-Dichloroethane	6.553	63	18830	2.984	ug/l	98
25) 2-Butanone	7.471	43	39276	15.536	ug/l	96
26) 2,2-Dichloropropane	7.477	77	14890	2.734	ug/l	96
27) cis-1,2-Dichloroethene	7.471	96	9345	2.578	ug/l	84
28) Bromochloromethane	7.794	49	8904	2.832	ug/l #	99
29) Tetrahydrofuran	7.835	42	22214	12.250	ug/l	98
30) Chloroform	7.953	83	18531	2.988	ug/l	99
31) Cyclohexane	8.235	56	13336m	2.332	ug/l	
32) 1,1,1-Trichloroethane	8.147	97	16597	3.044	ug/l #	86
36) 1,1-Dichloropropene	8.347	75	11702	2.420	ug/l	99
37) Ethyl Acetate	7.553	43	17342	2.728	ug/l	98
38) Carbon Tetrachloride	8.341	117	12633	2.625	ug/l	82
39) Methylcyclohexane	9.582	83	11468	2.218	ug/l	95
40) Benzene	8.582	78	37656	2.654	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.765	41	7957	2.527	ug/l	96
42) 1,2-Dichloroethane	8.653	62	15535	2.870	ug/l	96
43) Isopropyl Acetate	8.677	43	23581	2.428	ug/l	97
44) Trichloroethene	9.335	130	8899	2.654	ug/l	79
45) 1,2-Dichloropropane	9.600	63	10975	3.019	ug/l	97
46) Dibromomethane	9.688	93	7114	2.742	ug/l	95
47) Bromodichloromethane	9.871	83	14414	2.723	ug/l #	87
48) Methyl methacrylate	9.659	41	9924	2.239	ug/l	90
49) 1,4-Dioxane	9.676	88	1886	33.464	ug/l #	56
51) 4-Methyl-2-Pentanone	10.423	43	72508	12.665	ug/l	95
52) Toluene	10.606	92	22970	2.803	ug/l	95
53) t-1,3-Dichloropropene	10.812	75	13836	2.546	ug/l #	86
54) cis-1,3-Dichloropropene	10.288	75	14207	2.486	ug/l	98
55) 1,1,2-Trichloroethane	10.994	97	8414	2.654	ug/l #	87
56) Ethyl methacrylate	10.859	69	11160	2.229	ug/l #	89
57) 1,3-Dichloropropane	11.141	76	16020	2.801	ug/l	97
58) 2-Chloroethyl Vinyl ether	10.141	63	28971	10.035	ug/l	98
59) 2-Hexanone	11.188	43	47090m	13.057	ug/l	
60) Dibromochloromethane	11.329	129	10090	2.792	ug/l	95
61) 1,2-Dibromoethane	11.447	107	8711	2.714	ug/l	100
64) Tetrachloroethene	11.076	164	7457	2.311	ug/l	94
65) Chlorobenzene	11.870	112	25080	2.744	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.941	131	8587	2.785	ug/l	93
67) Ethyl Benzene	11.941	91	39326	2.461	ug/l	99
68) m/p-Xylenes	12.047	106	25788	4.353	ug/l	91
69) o-Xylene	12.376	106	13017	2.305	ug/l	99
70) Styrene	12.394	104	20082	2.190	ug/l	98
71) Bromoform	12.559	173	6208	2.749	ug/l #	99
73) Isopropylbenzene	12.670	105	29860	2.192	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.917	83	13118	2.979	ug/l	96
76) 1,2,3-Trichloropropane	12.970	75	11279m	2.614	ug/l	
77) Bromobenzene	12.959	156	8508	2.730	ug/l	93
78) n-propylbenzene	13.012	91	41317	2.479	ug/l	98
79) 2-Chlorotoluene	13.106	91	24469	2.405	ug/l	94
80) 1,3,5-Trimethylbenzene	13.153	105	27016	2.394	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.717	75	3205m	2.107	ug/l	
82) 4-Chlorotoluene	13.200	91	25728	2.546	ug/l	96
83) tert-Butylbenzene	13.417	119	23152	2.413	ug/l	97
84) 1,2,4-Trimethylbenzene	13.459	105	25163	2.243	ug/l	96
85) sec-Butylbenzene	13.594	105	30865	2.239	ug/l	98
86) p-Isopropyltoluene	13.706	119	25026	2.214	ug/l	99
87) 1,3-Dichlorobenzene	13.717	146	15833	2.610	ug/l	97
88) 1,4-Dichlorobenzene	13.788	146	18199	2.864	ug/l	85
89) n-Butylbenzene	14.035	91	24989	2.277	ug/l	97
90) Hexachloroethane	14.306	117	5857	2.837	ug/l	98
91) 1,2-Dichlorobenzene	14.082	146	16226	2.842	ug/l	93
92) 1,2-Dibromo-3-Chloropr...	14.706	75	3151	2.949	ug/l	88
93) 1,2,4-Trichlorobenzene	15.364	180	8615	2.540	ug/l	97
94) Hexachlorobutadiene	15.476	225	3316	2.720	ug/l	99
95) Naphthalene	15.617	128	24162	2.056	ug/l	98
96) 1,2,3-Trichlorobenzene	15.817	180	8846	2.680	ug/l	97

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

