

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102425\
 Data File : VN088091.D
 Acq On : 24 Oct 2025 14:16
 Operator : JC\MD
 Sample : VN1024WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1024WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 10/27/2025
 Supervised By : Semsettin Yesilyurt 10/27/2025

Quant Time: Oct 25 01:04:36 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 25 00:15:22 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.206	168	335260	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	621300	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	541423	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	271790	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.565	65	290926	50.183	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 100.360%			
35) Dibromofluoromethane	8.153	113	196838	47.159	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 94.320%			
50) Toluene-d8	10.547	98	741964	46.134	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 92.260%			
62) 4-Bromofluorobenzene	12.829	95	265424	46.731	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 93.460%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.142	85	76236	20.159	ug/l	97
3) Chloromethane	2.383	50	85551	19.229	ug/l	98
4) Vinyl Chloride	2.536	62	91307	18.836	ug/l	99
5) Bromomethane	2.983	94	53560	18.472	ug/l	92
6) Chloroethane	3.142	64	59934	17.160	ug/l	92
7) Trichlorofluoromethane	3.512	101	135248	17.493	ug/l	94
8) Diethyl Ether	3.959	74	53454	18.602	ug/l	91
9) 1,1,2-Trichlorotrifluo...	4.371	101	74239	18.608	ug/l	99
10) Methyl Iodide	4.577	142	68584	20.174	ug/l	98
11) Tert butyl alcohol	5.512	59	101143	101.269	ug/l	99
12) 1,1-Dichloroethene	4.342	96	71561	16.982	ug/l	96
13) Acrolein	4.177	56	115229	102.569	ug/l	95
14) Allyl chloride	5.012	41	139566	18.896	ug/l	97
15) Acrylonitrile	5.712	53	272843	100.289	ug/l	100
16) Acetone	4.424	43	254785	87.480	ug/l	96
17) Carbon Disulfide	4.706	76	239320	18.683	ug/l	97
18) Methyl Acetate	5.018	43	125508	21.049	ug/l	100
19) Methyl tert-butyl Ether	5.789	73	308438	19.931	ug/l	100
20) Methylene Chloride	5.271	84	93452	21.069	ug/l	97
21) trans-1,2-Dichloroethene	5.777	96	84978	18.372	ug/l	98
22) Diisopropyl ether	6.653	45	318161	20.483	ug/l	97
23) Vinyl Acetate	6.588	43	1452340	103.799	ug/l	99
24) 1,1-Dichloroethane	6.559	63	171106	19.886	ug/l	94
25) 2-Butanone	7.471	43	385650	100.475	ug/l	99
26) 2,2-Dichloropropane	7.477	77	148860	19.038	ug/l	97
27) cis-1,2-Dichloroethene	7.471	96	102179	19.189	ug/l	96
28) Bromochloromethane	7.800	49	90975	22.377	ug/l	99
29) Tetrahydrofuran	7.824	42	246616	98.591	ug/l	98
30) Chloroform	7.947	83	170812	19.872	ug/l	98
31) Cyclohexane	8.241	56	161556	19.908	ug/l	99
32) 1,1,1-Trichloroethane	8.153	97	144807	18.915	ug/l	96
36) 1,1-Dichloropropene	8.353	75	117787	19.327	ug/l	97
37) Ethyl Acetate	7.547	43	152039	19.332	ug/l	96
38) Carbon Tetrachloride	8.347	117	124682	19.808	ug/l	96
39) Methylcyclohexane	9.582	83	143756	18.351	ug/l	97
40) Benzene	8.588	78	361061	19.453	ug/l	100

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41) Methacrylonitrile	7.765	41	79837	19.287	ug/l	97
42) 1,2-Dichloroethane	8.653	62	141145	21.403	ug/l	99
43) Isopropyl Acetate	8.671	43	250979	20.768	ug/l	99
44) Trichloroethene	9.335	130	83305	19.202	ug/l	98
45) 1,2-Dichloropropane	9.600	63	95375	20.354	ug/l	90
46) Dibromomethane	9.688	93	68045	20.361	ug/l	98
47) Bromodichloromethane	9.871	83	134913	20.164	ug/l	95
48) Methyl methacrylate	9.665	41	113954	20.424	ug/l	99
49) 1,4-Dioxane	9.682	88	27732	399.631	ug/l #	95
51) 4-Methyl-2-Pentanone	10.424	43	750568	104.984	ug/l	100
52) Toluene	10.606	92	220316	19.253	ug/l	98
53) t-1,3-Dichloropropene	10.818	75	142276	19.979	ug/l	93
54) cis-1,3-Dichloropropene	10.294	75	152435	20.173	ug/l	99
55) 1,1,2-Trichloroethane	10.994	97	87867	20.239	ug/l	93
56) Ethyl methacrylate	10.853	69	143695	20.915	ug/l	97
57) 1,3-Dichloropropane	11.141	76	155904	20.431	ug/l	98
58) 2-Chloroethyl Vinyl ether	10.141	63	351936	98.481	ug/l	99
59) 2-Hexanone	11.176	43	491662	103.667	ug/l	100
60) Dibromochloromethane	11.335	129	97257	19.710	ug/l	99
61) 1,2-Dibromoethane	11.447	107	90282	20.206	ug/l	100
64) Tetrachloroethene	11.082	164	68730	19.245	ug/l	95
65) Chlorobenzene	11.871	112	238554	19.404	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.935	131	79068	19.631	ug/l	99
67) Ethyl Benzene	11.941	91	422006	19.556	ug/l	98
68) m/p-Xylenes	12.047	106	316537	39.148	ug/l	99
69) o-Xylene	12.376	106	151987	19.829	ug/l	99
70) Styrene	12.388	104	256221	20.499	ug/l	98
71) Bromoform	12.559	173	60829	20.237	ug/l #	98
73) Isopropylbenzene	12.676	105	396589	18.919	ug/l	100
74) N-amyl acetate	12.541	43	114355m	19.217	ug/l	
75) 1,1,2,2-Tetrachloroethane	12.918	83	130100	19.935	ug/l	100
76) 1,2,3-Trichloropropane	12.970	75	115156m	18.532	ug/l	
77) Bromobenzene	12.959	156	91828	20.314	ug/l	98
78) n-propylbenzene	13.012	91	489413	19.132	ug/l	98
79) 2-Chlorotoluene	13.100	91	292039	20.018	ug/l	98
80) 1,3,5-Trimethylbenzene	13.153	105	340242	19.544	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.717	75	37310	16.749	ug/l	90
82) 4-Chlorotoluene	13.200	91	301710	19.116	ug/l	100
83) tert-Butylbenzene	13.417	119	291110	18.719	ug/l	99
84) 1,2,4-Trimethylbenzene	13.459	105	344238	19.763	ug/l	100
85) sec-Butylbenzene	13.594	105	434188	19.003	ug/l	100
86) p-Isopropyltoluene	13.706	119	358615	19.565	ug/l	99
87) 1,3-Dichlorobenzene	13.712	146	180512	20.004	ug/l	98
88) 1,4-Dichlorobenzene	13.788	146	183971	18.982	ug/l	98
89) n-Butylbenzene	14.035	91	346220	19.069	ug/l	99
90) Hexachloroethane	14.306	117	66434	18.716	ug/l	96
91) 1,2-Dichlorobenzene	14.088	146	166360	19.125	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.700	75	28900	19.026	ug/l	96
93) 1,2,4-Trichlorobenzene	15.370	180	100650	19.106	ug/l	98
94) Hexachlorobutadiene	15.476	225	40090	20.436	ug/l	98
95) Naphthalene	15.611	128	340015	18.841	ug/l	100
96) 1,2,3-Trichlorobenzene	15.811	180	96149	19.035	ug/l	99

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

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