

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121625\
 Data File : VN088521.D
 Acq On : 16 Dec 2025 12:44
 Operator : JC\MD
 Sample : VN1216WBSD02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1216WBSD02

Quant Time: Dec 17 01:38:59 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

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

Internal Standards						
1) Pentafluorobenzene	8.200	168	343168	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	658199	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	596760	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.764	152	299054	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	364826	56.434	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 112.860%	
35) Dibromofluoromethane	8.147	113	250926	55.012	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 110.020%	
50) Toluene-d8	10.541	98	895597	52.770	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 105.540%	
62) 4-Bromofluorobenzene	12.823	95	322021	55.299	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 110.600%	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.142	85	88284	17.128	ug/l	96
3) Chloromethane	2.383	50	112788	20.374	ug/l	99
4) Vinyl Chloride	2.536	62	108131	19.200	ug/l	97
5) Bromomethane	2.983	94	58213	21.476	ug/l	100
6) Chloroethane	3.147	64	73818	21.180	ug/l	98
7) Trichlorofluoromethane	3.518	101	146739	18.538	ug/l	99
8) Diethyl Ether	3.959	74	68530	23.067	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.371	101	80099	19.008	ug/l	95
10) Methyl Iodide	4.589	142	83244	19.955	ug/l	100
11) Tert butyl alcohol	5.506	59	93749	90.832	ug/l	99
12) 1,1-Dichloroethene	4.342	96	81075	19.365	ug/l	88
13) Acrolein	4.183	56	61569	62.309	ug/l	96
14) Allyl chloride	5.012	41	157841	20.340	ug/l	96
15) Acrylonitrile	5.706	53	323449	108.619	ug/l	98
16) Acetone	4.424	43	222458	95.151	ug/l	97
17) Carbon Disulfide	4.706	76	249123	18.209	ug/l	100
18) Methyl Acetate	5.018	43	154672	22.225	ug/l	99
19) Methyl tert-butyl Ether	5.777	73	363843	23.195	ug/l	99
20) Methylene Chloride	5.265	84	114670	22.925	ug/l	93
21) trans-1,2-Dichloroethene	5.783	96	94362	20.346	ug/l	95
22) Diisopropyl ether	6.653	45	377859	22.808	ug/l	96
23) Vinyl Acetate	6.588	43	1620571	121.410	ug/l	99
24) 1,1-Dichloroethane	6.553	63	210023	22.386	ug/l	99
25) 2-Butanone	7.465	43	392622	104.462	ug/l	99
26) 2,2-Dichloropropane	7.471	77	174133	21.503	ug/l	99
27) cis-1,2-Dichloroethene	7.471	96	119739	22.215	ug/l	99
28) Bromochloromethane	7.794	49	108057	23.120	ug/l	95
29) Tetrahydrofuran	7.818	42	284268	105.446	ug/l	97
30) Chloroform	7.947	83	212978	23.102	ug/l	96
31) Cyclohexane	8.229	56	156127	18.364	ug/l	97
32) 1,1,1-Trichloroethane	8.147	97	170118	20.987	ug/l	96
36) 1,1-Dichloropropene	8.347	75	126033	17.904	ug/l	98
37) Ethyl Acetate	7.541	43	178643	19.300	ug/l	96
38) Carbon Tetrachloride	8.341	117	139142	19.855	ug/l	93
39) Methylcyclohexane	9.576	83	121159	16.091	ug/l	88
40) Benzene	8.588	78	430982	20.860	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.765	41	93883	20.478	ug/l	97
42) 1,2-Dichloroethane	8.653	62	173535	22.015	ug/l	98
43) Isopropyl Acetate	8.671	43	281973	19.938	ug/l	97
44) Trichloroethene	9.329	130	96264	19.719	ug/l	96
45) 1,2-Dichloropropane	9.600	63	116207	21.953	ug/l	92
46) Dibromomethane	9.688	93	82987	21.967	ug/l	96
47) Bromodichloromethane	9.865	83	174838	22.682	ug/l	99
48) Methyl methacrylate	9.659	41	133245	20.650	ug/l	94
49) 1,4-Dioxane	9.682	88	29394	358.198	ug/l #	94
51) 4-Methyl-2-Pentanone	10.423	43	880035	105.572	ug/l	98
52) Toluene	10.606	92	260153	21.806	ug/l	99
53) t-1,3-Dichloropropene	10.812	75	168187	21.257	ug/l	98
54) cis-1,3-Dichloropropene	10.288	75	183608	22.067	ug/l	97
55) 1,1,2-Trichloroethane	10.994	97	106181	23.004	ug/l	97
56) Ethyl methacrylate	10.853	69	162604	22.302	ug/l	90
57) 1,3-Dichloropropane	11.141	76	188455	22.632	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.135	63	496463	118.109	ug/l	99
59) 2-Hexanone	11.176	43	537486	102.354	ug/l	95
60) Dibromochloromethane	11.335	129	123809	23.529	ug/l	99
61) 1,2-Dibromoethane	11.447	107	104558	22.370	ug/l	99
64) Tetrachloroethene	11.082	164	82194	17.374	ug/l	96
65) Chlorobenzene	11.865	112	283608	21.158	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.935	131	101454	22.441	ug/l	98
67) Ethyl Benzene	11.941	91	465974	19.890	ug/l	99
68) m/p-Xylenes	12.047	106	349103	40.190	ug/l	99
69) o-Xylene	12.376	106	169757	20.499	ug/l	96
70) Styrene	12.388	104	289870	21.557	ug/l	98
71) Bromoform	12.559	173	75747	22.875	ug/l #	99
73) Isopropylbenzene	12.670	105	411737	18.621	ug/l	100
74) N-amyl acetate	12.682	43	163719m	21.741	ug/l	
75) 1,1,2,2-Tetrachloroethane	12.912	83	154377	21.596	ug/l	100
76) 1,2,3-Trichloropropane	12.970	75	151818m	21.675	ug/l	
77) Bromobenzene	12.953	156	107169	21.183	ug/l	97
78) n-propylbenzene	13.012	91	513902	18.998	ug/l	100
79) 2-Chlorotoluene	13.100	91	322924	19.549	ug/l	98
80) 1,3,5-Trimethylbenzene	13.147	105	355764	19.417	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.717	75	49301	19.968	ug/l #	88
82) 4-Chlorotoluene	13.200	91	336139	20.487	ug/l	98
83) tert-Butylbenzene	13.412	119	287362	18.450	ug/l	100
84) 1,2,4-Trimethylbenzene	13.459	105	365264	20.056	ug/l	99
85) sec-Butylbenzene	13.594	105	409048	18.281	ug/l	100
86) p-Isopropyltoluene	13.706	119	345639	18.838	ug/l	98
87) 1,3-Dichlorobenzene	13.711	146	201247	20.434	ug/l	99
88) 1,4-Dichlorobenzene	13.788	146	210058	20.362	ug/l	99
89) n-Butylbenzene	14.035	91	318093	17.855	ug/l	100
90) Hexachloroethane	14.306	117	64292	19.181	ug/l	95
91) 1,2-Dichlorobenzene	14.082	146	192928	20.817	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.700	75	32803	18.914	ug/l	99
93) 1,2,4-Trichlorobenzene	15.364	180	107488	19.520	ug/l	96
94) Hexachlorobutadiene	15.470	225	43573	22.020	ug/l	97
95) Naphthalene	15.611	128	360196	18.877	ug/l	99
96) 1,2,3-Trichlorobenzene	15.811	180	108133	20.177	ug/l	98

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

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