

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120925\
 Data File : VN088484.D
 Acq On : 09 Dec 2025 17:03
 Operator : JC\MD
 Sample : VN1209WBSD02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1209WBSD02

Manual Integrations
 APPROVED

Reviewed By : John Carlone 12/10/2025
 Supervised By : Mahesh Dadoda 12/11/2025

Quant Time: Dec 10 05:10:57 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	235204	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.083	114	463029	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	413827	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.765	152	196069	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	199426	45.009	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	90.020%		
35) Dibromofluoromethane	8.153	113	129084	40.228	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	80.460%		
50) Toluene-d8	10.541	98	454477	38.066	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	76.140%#		
62) 4-Bromofluorobenzene	12.823	95	166956	40.755	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	81.520%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.142	85	52030	14.728	ug/l	93
3) Chloromethane	2.383	50	65581	17.284	ug/l	97
4) Vinyl Chloride	2.536	62	61998	16.062	ug/l	95
5) Bromomethane	2.989	94	33086	17.809	ug/l	92
6) Chloroethane	3.148	64	42085	17.618	ug/l	90
7) Trichlorofluoromethane	3.524	101	89346	16.469	ug/l	93
8) Diethyl Ether	3.959	74	37950	18.637	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.383	101	45178	15.642	ug/l	99
10) Methyl Iodide	4.583	142	43487	15.210	ug/l	97
11) Tert butyl alcohol	5.518	59	56686	80.133	ug/l	100
12) 1,1-Dichloroethene	4.348	96	45630	15.902	ug/l	91
13) Acrolein	4.177	56	60544	89.397	ug/l	98
14) Allyl chloride	5.012	41	99729	18.751	ug/l	94
15) Acrylonitrile	5.706	53	189579	92.886	ug/l	98
16) Acetone	4.418	43	194118	121.142	ug/l	96
17) Carbon Disulfide	4.712	76	143818	15.337	ug/l	96
18) Methyl Acetate	5.024	43	92160	19.321	ug/l	97
19) Methyl tert-butyl Ether	5.783	73	212071	19.726	ug/l	99
20) Methylene Chloride	5.265	84	61988	18.081	ug/l	96
21) trans-1,2-Dichloroethene	5.777	96	54181	17.045	ug/l	89
22) Diisopropyl ether	6.653	45	223669	19.698	ug/l #	94
23) Vinyl Acetate	6.589	43	979095	107.022	ug/l	99
24) 1,1-Dichloroethane	6.553	63	119314	18.555	ug/l	97
25) 2-Butanone	7.465	43	259258	100.642	ug/l	97
26) 2,2-Dichloropropane	7.471	77	100744	18.151	ug/l	97
27) cis-1,2-Dichloroethene	7.471	96	67246	18.203	ug/l	95
28) Bromochloromethane	7.794	49	42343	13.219	ug/l	97
29) Tetrahydrofuran	7.824	42	169298	91.625	ug/l	99
30) Chloroform	7.941	83	121803	19.277	ug/l	99
31) Cyclohexane	8.236	56	88123	15.123	ug/l	94
32) 1,1,1-Trichloroethane	8.147	97	98659	17.759	ug/l	97
36) 1,1-Dichloropropene	8.347	75	74794	15.103	ug/l	97
37) Ethyl Acetate	7.547	43	104927	16.114	ug/l	99
38) Carbon Tetrachloride	8.347	117	79684	16.164	ug/l	90
39) Methylcyclohexane	9.577	83	68832	12.994	ug/l	91
40) Benzene	8.588	78	244933	16.852	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.759	41	57552	17.845	ug/l	95
42) 1,2-Dichloroethane	8.653	62	107451	19.377	ug/l	98
43) Isopropyl Acetate	8.671	43	167342	16.820	ug/l	99
44) Trichloroethene	9.335	130	51469	14.987	ug/l	98
45) 1,2-Dichloropropane	9.600	63	65753	17.657	ug/l	97
46) Dibromomethane	9.688	93	48771	18.352	ug/l	97
47) Bromodichloromethane	9.865	83	98205	18.110	ug/l	99
48) Methyl methacrylate	9.659	41	77720	17.122	ug/l	99
49) 1,4-Dioxane	9.682	88	15928	275.914	ug/l #	94
51) 4-Methyl-2-Pentanone	10.424	43	521715	88.967	ug/l	99
52) Toluene	10.606	92	145724	17.363	ug/l	99
53) t-1,3-Dichloropropene	10.812	75	100340	18.027	ug/l	96
54) cis-1,3-Dichloropropene	10.288	75	105065	17.950	ug/l	98
55) 1,1,2-Trichloroethane	10.994	97	58352	17.971	ug/l	97
56) Ethyl methacrylate	10.853	69	93357	18.201	ug/l	95
57) 1,3-Dichloropropane	11.135	76	104364	17.816	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.135	63	226601	76.632	ug/l	100
59) 2-Hexanone	11.177	43	311289	84.266	ug/l	97
60) Dibromochloromethane	11.335	129	66768	18.037	ug/l	98
61) 1,2-Dibromoethane	11.447	107	58692	17.850	ug/l	99
64) Tetrachloroethene	11.082	164	43310	13.202	ug/l	92
65) Chlorobenzene	11.865	112	152739	16.432	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.935	131	56816	18.123	ug/l	98
67) Ethyl Benzene	11.941	91	264545	16.283	ug/l	99
68) m/p-Xylenes	12.047	106	194904	32.357	ug/l	98
69) o-Xylene	12.376	106	94734	16.496	ug/l	98
70) Styrene	12.388	104	158681	17.018	ug/l	98
71) Bromoform	12.553	173	40889	17.807	ug/l #	95
73) Isopropylbenzene	12.671	105	230863	15.925	ug/l	100
74) N-amyl acetate	12.688	43	89901m	18.209	ug/l	
75) 1,1,2,2-Tetrachloroethane	12.918	83	87468	18.663	ug/l	96
76) 1,2,3-Trichloropropane	12.971	75	82547m	17.975	ug/l	
77) Bromobenzene	12.959	156	57574	17.357	ug/l	98
78) n-propylbenzene	13.012	91	288541	16.269	ug/l	100
79) 2-Chlorotoluene	13.100	91	184692	17.053	ug/l	98
80) 1,3,5-Trimethylbenzene	13.147	105	197376	16.430	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.718	75	31370	19.379	ug/l #	81
82) 4-Chlorotoluene	13.200	91	188218	17.497	ug/l	99
83) tert-Butylbenzene	13.412	119	158303	15.502	ug/l	95
84) 1,2,4-Trimethylbenzene	13.459	105	203002	17.001	ug/l	98
85) sec-Butylbenzene	13.588	105	226373	15.431	ug/l	100
86) p-Isopropyltoluene	13.706	119	181798	15.112	ug/l	98
87) 1,3-Dichlorobenzene	13.712	146	105028	16.266	ug/l	98
88) 1,4-Dichlorobenzene	13.788	146	112660	16.657	ug/l	97
89) n-Butylbenzene	14.029	91	171993	14.725	ug/l	99
90) Hexachloroethane	14.306	117	33302	15.154	ug/l	98
91) 1,2-Dichlorobenzene	14.082	146	102790	16.917	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.700	75	18923	16.641	ug/l	93
93) 1,2,4-Trichlorobenzene	15.364	180	55865	15.474	ug/l	98
94) Hexachlorobutadiene	15.470	225	18511	14.268	ug/l	95
95) Naphthalene	15.612	128	192925	15.421	ug/l	99
96) 1,2,3-Trichlorobenzene	15.812	180	52541	14.954	ug/l	96

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

