

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102825\
 Data File : VN088131.D
 Acq On : 28 Oct 2025 12:14
 Operator : JC\MD
 Sample : VN1028WBS02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1028WBS02

Manual Integrations
 APPROVED

Reviewed By : John Carlone 10/29/2025
 Supervised By : Semsettin Yesilyurt 10/29/2025

Quant Time: Oct 29 02:19:17 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	325166	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	590689	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	518318	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	257534	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.559	65	273190	48.586	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	97.180%
35) Dibromofluoromethane	8.147	113	189017	47.632	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	95.260%
50) Toluene-d8	10.547	98	712359	46.588	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	93.180%
62) 4-Bromofluorobenzene	12.829	95	258768	47.920	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	95.840%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.142	85	77690	21.181	ug/l	99
3) Chloromethane	2.383	50	85838	19.893	ug/l	95
4) Vinyl Chloride	2.536	62	98275	20.902	ug/l	96
5) Bromomethane	2.977	94	51181	18.200	ug/l	100
6) Chloroethane	3.136	64	61088	18.034	ug/l	98
7) Trichlorofluoromethane	3.512	101	148941	19.862	ug/l	98
8) Diethyl Ether	3.959	74	53342	19.139	ug/l	92
9) 1,1,2-Trichlorotrifluo...	4.365	101	79588	20.568	ug/l	97
10) Methyl Iodide	4.583	142	65792	20.000	ug/l	95
11) Tert butyl alcohol	5.530	59	111178	114.772	ug/l	99
12) 1,1-Dichloroethene	4.336	96	77317	18.918	ug/l	96
13) Acrolein	4.171	56	114071	104.690	ug/l	99
14) Allyl chloride	5.018	41	147339	20.568	ug/l	98
15) Acrylonitrile	5.700	53	284665	107.883	ug/l	98
16) Acetone	4.424	43	295453	104.592	ug/l	99
17) Carbon Disulfide	4.706	76	239613	19.287	ug/l	96
18) Methyl Acetate	5.024	43	127029	21.965	ug/l	99
19) Methyl tert-butyl Ether	5.783	73	318362	21.211	ug/l	96
20) Methylene Chloride	5.259	84	95365	22.128	ug/l	96
21) trans-1,2-Dichloroethene	5.771	96	88610	19.752	ug/l	98
22) Diisopropyl ether	6.659	45	325063	21.577	ug/l	99
23) Vinyl Acetate	6.588	43	1478290	108.934	ug/l	98
24) 1,1-Dichloroethane	6.547	63	180290	21.604	ug/l	96
25) 2-Butanone	7.471	43	403726	108.450	ug/l	99
26) 2,2-Dichloropropane	7.477	77	160728	21.194	ug/l	98
27) cis-1,2-Dichloroethene	7.471	96	104108	20.159	ug/l	91
28) Bromochloromethane	7.794	49	71770	18.201	ug/l	97
29) Tetrahydrofuran	7.824	42	260635	107.430	ug/l	98
30) Chloroform	7.947	83	177987	21.349	ug/l	98
31) Cyclohexane	8.235	56	166823	21.195	ug/l	99
32) 1,1,1-Trichloroethane	8.147	97	157809	21.253	ug/l	95
36) 1,1-Dichloropropene	8.359	75	129330	22.321	ug/l	99
37) Ethyl Acetate	7.547	43	153324	20.505	ug/l	97
38) Carbon Tetrachloride	8.341	117	133965	22.386	ug/l	99
39) Methylcyclohexane	9.577	83	155944	20.939	ug/l	98
40) Benzene	8.588	78	382335	21.667	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.765	41	79477	20.195	ug/l	94
42) 1,2-Dichloroethane	8.653	62	148298	23.653	ug/l	98
43) Isopropyl Acetate	8.671	43	254024	22.109	ug/l	98
44) Trichloroethene	9.335	130	87325	21.172	ug/l	94
45) 1,2-Dichloropropane	9.606	63	97153	21.808	ug/l	94
46) Dibromomethane	9.688	93	70617	22.226	ug/l	98
47) Bromodichloromethane	9.871	83	141673	22.272	ug/l	95
48) Methyl methacrylate	9.665	41	118598	22.358	ug/l	98
49) 1,4-Dioxane	9.682	88	32376	490.732	ug/l #	95
51) 4-Methyl-2-Pentanone	10.424	43	775284	114.061	ug/l	99
52) Toluene	10.612	92	234045	21.513	ug/l	97
53) t-1,3-Dichloropropene	10.818	75	144181	21.296	ug/l	100
54) cis-1,3-Dichloropropene	10.294	75	156786	21.824	ug/l	99
55) 1,1,2-Trichloroethane	10.994	97	89511	21.686	ug/l	95
56) Ethyl methacrylate	10.859	69	141312	21.634	ug/l	98
57) 1,3-Dichloropropane	11.141	76	158867	21.898	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.141	63	348254	102.500	ug/l	99
59) 2-Hexanone	11.176	43	505757	112.165	ug/l	97
60) Dibromochloromethane	11.341	129	97503	20.783	ug/l	100
61) 1,2-Dibromoethane	11.447	107	90122	21.216	ug/l	100
64) Tetrachloroethene	11.082	164	70978	20.760	ug/l	93
65) Chlorobenzene	11.871	112	249179	21.172	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.935	131	84133	21.819	ug/l	97
67) Ethyl Benzene	11.941	91	454481	21.999	ug/l	99
68) m/p-Xylenes	12.053	106	334254	43.182	ug/l	100
69) o-Xylene	12.376	106	161967	22.073	ug/l	98
70) Styrene	12.394	104	263534	22.024	ug/l	97
71) Bromoform	12.559	173	60295	20.954	ug/l #	98
73) Isopropylbenzene	12.676	105	423716	21.332	ug/l	100
74) N-amyl acetate	12.600	43	106092m	18.815	ug/l	
75) 1,1,2,2-Tetrachloroethane	12.917	83	133928	21.657	ug/l	99
76) 1,2,3-Trichloropropane	12.970	75	115512m	19.618	ug/l	
77) Bromobenzene	12.959	156	93515	21.833	ug/l	98
78) n-propylbenzene	13.012	91	526032	21.701	ug/l	99
79) 2-Chlorotoluene	13.106	91	311766	22.553	ug/l	97
80) 1,3,5-Trimethylbenzene	13.153	105	360921	21.879	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.717	75	35250	16.700	ug/l #	94
82) 4-Chlorotoluene	13.200	91	326837	21.854	ug/l	98
83) tert-Butylbenzene	13.417	119	310595	21.077	ug/l	99
84) 1,2,4-Trimethylbenzene	13.459	105	363876	22.047	ug/l	99
85) sec-Butylbenzene	13.594	105	467526	21.594	ug/l	99
86) p-Isopropyltoluene	13.706	119	390138	22.463	ug/l	99
87) 1,3-Dichlorobenzene	13.712	146	184656	21.596	ug/l	99
88) 1,4-Dichlorobenzene	13.788	146	193366	21.055	ug/l	99
89) n-Butylbenzene	14.035	91	369331	21.468	ug/l	98
90) Hexachloroethane	14.312	117	67538	20.081	ug/l	97
91) 1,2-Dichlorobenzene	14.088	146	176669	21.434	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.700	75	30996	21.535	ug/l	91
93) 1,2,4-Trichlorobenzene	15.370	180	108720	21.780	ug/l	96
94) Hexachlorobutadiene	15.470	225	41569	22.362	ug/l	98
95) Naphthalene	15.617	128	355769	20.805	ug/l	98
96) 1,2,3-Trichlorobenzene	15.811	180	102773	21.473	ug/l	98

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

