

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102825\
 Data File : VN088133.D
 Acq On : 28 Oct 2025 12:56
 Operator : JC\MD
 Sample : VN1028WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1028WBSD01

Manual Integrations
 APPROVED

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

Quant Time: Oct 29 02:21:17 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	291689	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	541645	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	475634	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	239035	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	258209	51.192	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 102.380%	
35) Dibromofluoromethane	8.147	113	171228	47.056	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 94.120%	
50) Toluene-d8	10.547	98	636283	45.381	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 90.760%	
62) 4-Bromofluorobenzene	12.829	95	242249	48.923	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 97.840%	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.142	85	70419	21.402	ug/l	100
3) Chloromethane	2.383	50	77394	19.994	ug/l	99
4) Vinyl Chloride	2.536	62	88812	21.058	ug/l	99
5) Bromomethane	2.977	94	41437	16.426	ug/l	98
6) Chloroethane	3.142	64	58133	19.131	ug/l	93
7) Trichlorofluoromethane	3.512	101	134275	19.961	ug/l	100
8) Diethyl Ether	3.959	74	53670	21.467	ug/l	94
9) 1,1,2-Trichlorotrifluo...	4.371	101	72758	20.961	ug/l	98
10) Methyl Iodide	4.577	142	59891	20.233	ug/l	99
11) Tert butyl alcohol	5.518	59	111004	127.744	ug/l	98
12) 1,1-Dichloroethene	4.330	96	70267	19.166	ug/l	96
13) Acrolein	4.177	56	114186	116.823	ug/l	99
14) Allyl chloride	5.012	41	135910	21.150	ug/l	99
15) Acrylonitrile	5.712	53	279637	118.140	ug/l	99
16) Acetone	4.424	43	295201	116.496	ug/l	94
17) Carbon Disulfide	4.706	76	217324	19.500	ug/l	99
18) Methyl Acetate	5.018	43	126703	24.424	ug/l	99
19) Methyl tert-butyl Ether	5.789	73	310616	23.070	ug/l	96
20) Methylene Chloride	5.265	84	90379	23.334	ug/l	91
21) trans-1,2-Dichloroethene	5.777	96	83394	20.723	ug/l	95
22) Diisopropyl ether	6.659	45	313704	23.213	ug/l	99
23) Vinyl Acetate	6.594	43	1458395	119.802	ug/l	100
24) 1,1-Dichloroethane	6.553	63	169247	22.608	ug/l	97
25) 2-Butanone	7.471	43	402084	120.405	ug/l	100
26) 2,2-Dichloropropane	7.477	77	142505	20.947	ug/l	99
27) cis-1,2-Dichloroethene	7.471	96	98578	21.278	ug/l	92
28) Bromochloromethane	7.794	49	68555	19.381	ug/l	98
29) Tetrahydrofuran	7.824	42	249581	114.681	ug/l	99
30) Chloroform	7.953	83	171941	22.991	ug/l	97
31) Cyclohexane	8.241	56	153150	21.691	ug/l	98
32) 1,1,1-Trichloroethane	8.153	97	145001	21.769	ug/l	96
36) 1,1-Dichloropropene	8.353	75	120101	22.605	ug/l	99
37) Ethyl Acetate	7.553	43	160558	23.417	ug/l	97
38) Carbon Tetrachloride	8.341	117	121603	22.160	ug/l	94
39) Methylcyclohexane	9.582	83	147046	21.532	ug/l	99
40) Benzene	8.588	78	357097	22.069	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.765	41	82201	22.779	ug/l	98
42) 1,2-Dichloroethane	8.653	62	136857	23.804	ug/l	100
43) Isopropyl Acetate	8.671	43	250856	23.810	ug/l	99
44) Trichloroethene	9.329	130	82208	21.736	ug/l	95
45) 1,2-Dichloropropane	9.606	63	94080	23.031	ug/l	94
46) Dibromomethane	9.688	93	67971	23.330	ug/l	99
47) Bromodichloromethane	9.865	83	135625	23.251	ug/l	98
48) Methyl methacrylate	9.665	41	116465	23.944	ug/l	98
49) 1,4-Dioxane	9.682	88	30731	507.974	ug/l #	93
51) 4-Methyl-2-Pentanone	10.424	43	773977	124.179	ug/l	100
52) Toluene	10.612	92	219648	22.017	ug/l	99
53) t-1,3-Dichloropropene	10.818	75	140958	22.705	ug/l	99
54) cis-1,3-Dichloropropene	10.294	75	150207	22.801	ug/l	96
55) 1,1,2-Trichloroethane	10.994	97	84940	22.442	ug/l	99
56) Ethyl methacrylate	10.859	69	141351	23.600	ug/l	94
57) 1,3-Dichloropropane	11.141	76	157479	23.672	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.141	63	350506	112.504	ug/l	100
59) 2-Hexanone	11.176	43	486698	117.711	ug/l	98
60) Dibromochloromethane	11.335	129	95768	22.262	ug/l	97
61) 1,2-Dibromoethane	11.447	107	88009	22.594	ug/l	99
64) Tetrachloroethene	11.082	164	67761	21.598	ug/l	95
65) Chlorobenzene	11.871	112	235754	21.829	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.935	131	80806	22.837	ug/l	99
67) Ethyl Benzene	11.941	91	427092	22.529	ug/l	100
68) m/p-Xylenes	12.047	106	314121	44.223	ug/l	98
69) o-Xylene	12.376	106	150831	22.400	ug/l	95
70) Styrene	12.388	104	250719	22.834	ug/l	95
71) Bromoform	12.559	173	59000	22.344	ug/l #	99
73) Isopropylbenzene	12.676	105	404073	21.917	ug/l	99
74) N-amyl acetate	12.676	43	96509m	18.440	ug/l	
75) 1,1,2,2-Tetrachloroethane	12.918	83	132787	23.135	ug/l	99
76) 1,2,3-Trichloropropane	12.970	75	112518m	20.589	ug/l	
77) Bromobenzene	12.959	156	91002	22.890	ug/l	97
78) n-propylbenzene	13.012	91	494834	21.994	ug/l	98
79) 2-Chlorotoluene	13.100	91	295688	23.046	ug/l	99
80) 1,3,5-Trimethylbenzene	13.153	105	340635	22.247	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.718	75	36282	18.519	ug/l	93
82) 4-Chlorotoluene	13.200	91	305914	22.038	ug/l	98
83) tert-Butylbenzene	13.412	119	298438	21.819	ug/l	98
84) 1,2,4-Trimethylbenzene	13.459	105	348409	22.743	ug/l	97
85) sec-Butylbenzene	13.594	105	442176	22.004	ug/l	99
86) p-Isopropyltoluene	13.706	119	365354	22.664	ug/l	99
87) 1,3-Dichlorobenzene	13.712	146	178063	22.436	ug/l	99
88) 1,4-Dichlorobenzene	13.788	146	186271	21.853	ug/l	97
89) n-Butylbenzene	14.035	91	352069	22.048	ug/l	97
90) Hexachloroethane	14.312	117	66437	21.282	ug/l	96
91) 1,2-Dichlorobenzene	14.082	146	173351	22.660	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.700	75	31736	23.755	ug/l	97
93) 1,2,4-Trichlorobenzene	15.364	180	105924	22.862	ug/l	98
94) Hexachlorobutadiene	15.476	225	39392	22.831	ug/l	97
95) Naphthalene	15.611	128	371027	23.376	ug/l	99
96) 1,2,3-Trichlorobenzene	15.811	180	102213	23.008	ug/l	99

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

