

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102725\
 Data File : VN088105.D
 Acq On : 27 Oct 2025 11:55
 Operator : JC\MD
 Sample : VN1027WBS01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1027WBS01

Quant Time: Oct 28 01:22:32 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

Manual Integrations APPROVED

Reviewed By : John Carlone 10/28/2025
 Supervised By : Semsettin Yesilyurt 10/28/2025

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

Internal Standards						
1) Pentafluorobenzene	8.206	168	300941	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	563874	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	505093	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	256562	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.565	65	292467	56.202	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 112.400%			
35) Dibromofluoromethane	8.147	113	201534	53.201	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 106.400%			
50) Toluene-d8	10.547	98	745408	51.068	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 102.140%			
62) 4-Bromofluorobenzene	12.829	95	271139	52.599	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 105.200%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.142	85	70657	20.814	ug/l	97
3) Chloromethane	2.383	50	85119	21.314	ug/l	98
4) Vinyl Chloride	2.536	62	91995	21.142	ug/l	100
5) Bromomethane	2.983	94	52750	20.268	ug/l	100
6) Chloroethane	3.142	64	58867	18.777	ug/l	100
7) Trichlorofluoromethane	3.512	101	136634	19.687	ug/l	99
8) Diethyl Ether	3.959	74	52943	20.525	ug/l	91
9) 1,1,2-Trichlorotrifluo...	4.377	101	72457	20.232	ug/l	97
10) Methyl Iodide	4.583	142	63251	20.612	ug/l	92
11) Tert butyl alcohol	5.524	59	102660	114.510	ug/l	99
12) 1,1-Dichloroethene	4.342	96	72424	19.147	ug/l	97
13) Acrolein	4.183	56	131856	130.754	ug/l	99
14) Allyl chloride	5.012	41	135015	20.365	ug/l	95
15) Acrylonitrile	5.712	53	271724	111.268	ug/l	100
16) Acetone	4.424	43	272627	104.280	ug/l	99
17) Carbon Disulfide	4.706	76	228511	19.874	ug/l	100
18) Methyl Acetate	5.024	43	120917	22.592	ug/l	97
19) Methyl tert-butyl Ether	5.789	73	302666	21.789	ug/l	98
20) Methylene Chloride	5.271	84	94419	23.618	ug/l	97
21) trans-1,2-Dichloroethene	5.783	96	83955	20.221	ug/l	99
22) Diisopropyl ether	6.659	45	307416	22.048	ug/l	95
23) Vinyl Acetate	6.594	43	1424145	113.392	ug/l	97
24) 1,1-Dichloroethane	6.553	63	171245	22.172	ug/l	97
25) 2-Butanone	7.471	43	383491	111.307	ug/l	99
26) 2,2-Dichloropropane	7.471	77	152872	21.781	ug/l	98
27) cis-1,2-Dichloroethene	7.471	96	101089	21.150	ug/l	95
28) Bromochloromethane	7.794	49	91201	24.991	ug/l	98
29) Tetrahydrofuran	7.830	42	252484	112.448	ug/l	98
30) Chloroform	7.947	83	174874	22.664	ug/l	98
31) Cyclohexane	8.241	56	153037	21.009	ug/l	99
32) 1,1,1-Trichloroethane	8.147	97	150009	21.829	ug/l	96
36) 1,1-Dichloropropene	8.353	75	120548	21.795	ug/l	99
37) Ethyl Acetate	7.547	43	156235	21.888	ug/l	98
38) Carbon Tetrachloride	8.341	117	127037	22.238	ug/l	100
39) Methylcyclohexane	9.577	83	141080	19.844	ug/l	98
40) Benzene	8.588	78	366941	21.784	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.765	41	83450	22.213	ug/l	98
42) 1,2-Dichloroethane	8.653	62	145750	24.352	ug/l	98
43) Isopropyl Acetate	8.671	43	249652	22.762	ug/l	98
44) Trichloroethene	9.335	130	83048	21.093	ug/l	98
45) 1,2-Dichloropropane	9.606	63	93135	21.901	ug/l	97
46) Dibromomethane	9.688	93	67628	22.297	ug/l	98
47) Bromodichloromethane	9.865	83	138182	22.756	ug/l	98
48) Methyl methacrylate	9.665	41	116857	23.077	ug/l	97
49) 1,4-Dioxane	9.682	88	27524	437.028	ug/l #	87
51) 4-Methyl-2-Pentanone	10.424	43	756352	116.567	ug/l	100
52) Toluene	10.612	92	223155	21.487	ug/l	97
53) t-1,3-Dichloropropene	10.818	75	141361	21.872	ug/l	97
54) cis-1,3-Dichloropropene	10.294	75	152892	22.294	ug/l	96
55) 1,1,2-Trichloroethane	11.000	97	87269	22.149	ug/l	98
56) Ethyl methacrylate	10.859	69	134518	21.574	ug/l	97
57) 1,3-Dichloropropane	11.141	76	154575	22.319	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.141	63	327194	100.882	ug/l	99
59) 2-Hexanone	11.176	43	492033	114.310	ug/l	99
60) Dibromochloromethane	11.335	129	96318	21.507	ug/l	100
61) 1,2-Dibromoethane	11.447	107	89527	22.078	ug/l	98
64) Tetrachloroethene	11.082	164	69633	20.900	ug/l	89
65) Chlorobenzene	11.871	112	244731	21.338	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.941	131	81619	21.722	ug/l	98
67) Ethyl Benzene	11.941	91	421252	20.925	ug/l	99
68) m/p-Xylenes	12.053	106	317335	42.070	ug/l	100
69) o-Xylene	12.376	106	151783	21.227	ug/l	99
70) Styrene	12.394	104	254839	21.855	ug/l	98
71) Bromoform	12.559	173	61158	21.810	ug/l #	99
73) Isopropylbenzene	12.671	105	397427	20.084	ug/l	100
74) N-amyl acetate	12.629	43	128367m	22.852	ug/l	
75) 1,1,2,2-Tetrachloroethane	12.918	83	132181	21.456	ug/l	99
76) 1,2,3-Trichloropropane	12.970	75	112443m	19.169	ug/l	
77) Bromobenzene	12.959	156	92521	21.683	ug/l	97
78) n-propylbenzene	13.012	91	492713	20.404	ug/l	100
79) 2-Chlorotoluene	13.100	91	294890	21.413	ug/l	99
80) 1,3,5-Trimethylbenzene	13.153	105	333799	20.311	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.718	75	38179	18.156	ug/l	91
82) 4-Chlorotoluene	13.200	91	303454	20.367	ug/l	100
83) tert-Butylbenzene	13.418	119	286500	19.516	ug/l	99
84) 1,2,4-Trimethylbenzene	13.459	105	339120	20.625	ug/l	99
85) sec-Butylbenzene	13.594	105	429310	19.904	ug/l	100
86) p-Isopropyltoluene	13.706	119	354614	20.495	ug/l	98
87) 1,3-Dichlorobenzene	13.712	146	177044	20.784	ug/l	100
88) 1,4-Dichlorobenzene	13.788	146	184081	20.120	ug/l	98
89) n-Butylbenzene	14.035	91	344021	20.072	ug/l	99
90) Hexachloroethane	14.312	117	66650	19.892	ug/l	96
91) 1,2-Dichlorobenzene	14.082	146	169616	20.657	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.694	75	30171	21.041	ug/l	96
93) 1,2,4-Trichlorobenzene	15.370	180	102766	20.665	ug/l	97
94) Hexachlorobutadiene	15.470	225	38748	20.924	ug/l	99
95) Naphthalene	15.617	128	338638	19.878	ug/l	99
96) 1,2,3-Trichlorobenzene	15.811	180	97739	20.498	ug/l	97

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

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