Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062525\
Data File : VN087169.D
Acq On : 25 Jun 2025 11:41
Operator : JC\MD
Sample : VN0625WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 25 15:30:10 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N062525W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Jun 25 10:49:56 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0625WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 06/25/2025
Supervised By :Mahesh Dadoda 06/26/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	7.824	128	40080	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.106	114	221679	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	199254	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.583	65	87573	28.999	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 96.667%			
60) 4-Bromofluorobenzene	12.847	95	94645	30.782	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 102.600%			
63) Toluene-d8	10.571	98	256751	28.699	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 95.667%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.154	85	41812	17.330	ug/l	96
3) Chloromethane	2.401	50	43300	17.571	ug/l	98
4) Vinyl Chloride	2.554	62	47028	17.559	ug/l	91
5) Bromomethane	3.001	94	26489	18.636	ug/l	92
6) Chloroethane	3.153	64	26233	18.260	ug/l	94
7) Trichlorofluoromethane	3.530	101	57697	17.563	ug/l	97
8) Diethyl Ether	3.983	74	29561	18.315	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.400	101	43880	18.016	ug/l #	88
10) 1,1-Dichloroethene	4.365	96	43568	17.945	ug/l	99
11) Methyl Iodide	4.618	142	35161	16.165	ug/l	88
12) Methyl Acetate	5.047	43	69413	18.227	ug/l	100
13) Acrolein	4.200	56	56887	97.212	ug/l	100
14) Acrylonitrile	5.736	53	162189	91.304	ug/l	99
15) Acetone	4.447	58	47077	90.854	ug/l	88
16) Carbon Disulfide	4.736	76	123503	17.398	ug/l	99
17) Allyl chloride	5.053	41	69431	17.338	ug/l	96
18) Methylene Chloride	5.300	84	51541	18.325	ug/l	96
19) trans-1,2-Dichloroethene	5.806	96	47120	17.747	ug/l	98
20) Diisopropyl ether	6.689	45	156504	18.421	ug/l	95
21) 1,1-Dichloroethane	6.589	63	91207	17.962	ug/l	98
22) cis-1,2-Dichloroethene	7.500	96	57247	18.526	ug/l	96
23) tert-Butyl Alcohol	5.536	59	63522	95.086	ug/l #	100
24) Methyl tert-Butyl Ether	5.818	73	155727	18.288	ug/l	97
25) Chloroform	7.977	83	88621	18.217	ug/l	97
26) Cyclohexane	8.271	56	75788	17.956	ug/l #	96
29) 1,1-Dichloropropene	8.383	75	64548	18.682	ug/l	99
30) 2-Butanone	7.494	43	221213	94.912	ug/l	98
31) 2,2-Dichloropropane	7.500	77	78376	18.792	ug/l	99
32) 1,1,1-Trichloroethane	8.177	97	74460	18.446	ug/l	99
33) Carbon Tetrachloride	8.371	117	61832	18.202	ug/l	99
34) Benzene	8.612	78	205474	18.771	ug/l	97
35) Methacrylonitrile	7.788	41	46011	19.588	ug/l	94
36) 1,2-Dichloroethane	8.677	62	65022	18.385	ug/l	98
37) Trichloroethene	9.359	130	45986	18.214	ug/l	95
38) Methylcyclohexane	9.606	83	69209	17.457	ug/l	99
39) 1,2-Dichloropropane	9.624	63	48851	17.781	ug/l	100
40) Dibromomethane	9.712	93	32408	17.348	ug/l	98
41) Bromodichloromethane	9.888	83	65305	17.318	ug/l	99
42) Vinyl Acetate	6.618	43	702638	92.688	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.571	43	83363	19.813	ug/l	100
44) Isopropyl Acetate	8.694	43	126593	18.467	ug/l	97
45) 1,4-Dioxane	9.706	88	18671	402.635	ug/l	96
46) Methyl methacrylate	9.688	41	54327	17.048	ug/l	98
47) n-amyl Acetate	12.535	43	62203m	14.842	ug/l	
48) t-1,3-Dichloropropene	10.841	75	72995	17.365	ug/l	100
49) cis-1,3-Dichloropropene	10.318	75	77553	17.354	ug/l	98
50) 1,1,2-Trichloroethane	11.018	97	46680	17.590	ug/l	94
51) Ethyl methacrylate	10.882	69	69376	17.176	ug/l	97
52) 1,3-Dichloropropane	11.165	76	81841	17.964	ug/l	98
53) Dibromochloromethane	11.359	129	48580	17.439	ug/l	99
54) 1,2-Dibromoethane	11.465	107	46668	17.045	ug/l	97
55) 2-Chloroethyl vinyl ether	10.159	63	184712	79.782	ug/l	99
56) Bromoform	12.576	173	34260	17.891	ug/l	99
58) 4-Methyl-2-Pentanone	10.447	43	367651	91.781	ug/l	99
59) 2-Hexanone	11.206	43	228657	88.400	ug/l	98
61) Tetrachloroethene	11.106	164	35640	18.062	ug/l	98
62) Toluene	10.629	91	201899	17.941	ug/l	98
64) Chlorobenzene	11.894	112	136015	18.948	ug/l	98
65) 1,1,1,2-Tetrachloroethane	11.959	131	44912	18.935	ug/l	97
66) Ethyl Benzene	11.965	91	233773	18.979	ug/l	98
67) m/p-Xylenes	12.071	106	180563	38.254	ug/l	97
68) o-Xylene	12.400	106	84663	18.801	ug/l	98
69) Styrene	12.412	104	144499	18.691	ug/l	99
70) Isopropylbenzene	12.694	105	216458	19.300	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.935	83	79763	19.758	ug/l	98
72) 1,2,3-Trichloropropane	12.994	75	57506m	16.519	ug/l	
73) Bromobenzene	12.976	156	50908	18.712	ug/l	99
74) n-propylbenzene	13.035	91	269660	19.681	ug/l	99
75) 2-Chlorotoluene	13.123	91	161011	19.451	ug/l	99
76) 1,3,5-Trimethylbenzene	13.170	105	182359	19.973	ug/l	98
77) t-1,4-Dichloro-2-butene	12.735	75	28284	18.317	ug/l	93
78) 4-Chlorotoluene	13.218	91	168956	19.929	ug/l	98
79) tert-butylbenzene	13.435	119	150328	19.587	ug/l	100
80) 1,2,4-Trimethylbenzene	13.482	105	181619	19.810	ug/l	99
81) sec-Butylbenzene	13.612	105	224608	20.132	ug/l	100
82) p-Isopropyltoluene	13.729	119	186913	20.132	ug/l	99
83) 1,3-Dichlorobenzene	13.735	146	101885	19.448	ug/l	99
84) 1,4-Dichlorobenzene	13.812	146	102280	19.398	ug/l	98
85) n-Butylbenzene	14.053	91	163249	19.271	ug/l	99
86) Hexachloroethane	14.329	117	32432	18.454	ug/l	96
87) 1,2-Dichlorobenzene	14.106	146	87155	17.644	ug/l	100
88) 1,2-Dibromo-3-Chloropr...	14.717	75	16914	18.607	ug/l	95
89) 1,2,4-Trichlorobenzene	15.835	180	50391	18.031	ug/l	97
90) Hexachlorobutadiene	15.500	225	16395	19.769	ug/l	98
91) Naphthalene	15.635	128	198987	18.091	ug/l	98
92) 1,2,3-Trichlorobenzene	15.835	180	50391	18.031	ug/l	97

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

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