

WWSCAN Data Dictionary (<https://data.wastewaterscan.org/>)

Updated 20 November 2023

This data dictionary is for data downloaded via the data.wastewaterscan.org website.

If you have additional questions, please email wwscan_stanford_emory@lists.stanford.edu:

Column Label	Definition	Units	Example
name	City and State in which the collection site resides	n/a	Akron, OH
site_name	Full name of collection site	n/a	Anytown USA Wastewater Treatment Facility
sewershed_pop	Human population contribution to the sewershed of the collection site	n/a	1,000,000
Collection_Date	Date sample was collected (MM-DD-YYYY)	n/a	01-01-2023
Sample_ID	Unique identifier for each specimen	n/a	XX-XXXXXX
Dilution	The dilution of RNA used in the PCR. A value of '1' indicates no dilution. A value of '10' indicates the RNA has been diluted 1:10 with H2O.	n/a	
N_Gene_gc_g_dry_weight	Copies of SARS-CoV-2 RNA from the nucleocapsid gene per gram of dried solid	copies per gram of dry solid sample	
N_Gene_gc_g_dry_weight_UCI	68% upper confidence level of copies of SARS-CoV-2 RNA from the nucleocapsid gene per gram of dried solid	copies per gram of dry solid sample	
N_Gene_gc_g_dry_weight_LCI	68% lower confidence level of copies of SARS-CoV-2 RNA from the nucleocapsid gene per gram of dried solid	copies per gram of dry solid sample	
S_Gene_gc_g_dry_weight	Copies of SARS-CoV-2 RNA from the spike gene per gram of dried solid	copies per gram of dry solid sample	
S_Gene_gc_g_dry_weight_UCI	68% upper confidence level of copies of SARS-CoV-2 RNA from the spike gene per gram of dried solid	copies per gram of dry solid sample	

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Column Label	Definition	Units	Example
S_Gene_gc_g_dry_weight_LCI	68% lower confidence level of copies of SARS-CoV-2 RNA from the spike gene per gram of dried solid	copies per gram of dry solid sample	
RSV_gc_g_dry_weight	Copies of RSV RNA per gram of dried solid	copies per gram of dry solid sample	
RSV_gc_g_dry_weight_UCI	68% upper confidence level of copies of RSV RNA per gram of dried solid	copies per gram of dry solid sample	
RSV_gc_g_dry_weight_LCI	68% lower confidence level of copies of RSV RNA per gram of dried solid	copies per gram of dry solid sample	
Influenza_A_gc_g_dry_weight	Copies of influenza A RNA per gram of dried solid	copies per gram of dry solid sample	
Influenza_A_gc_g_dry_weight_UCI	68% upper confidence level of copies of influenza A RNA per gram of dried solid	copies per gram of dry solid sample	
Influenza_A_gc_g_dry_weight_LCI	68% lower confidence level of copies of influenza A RNA per gram of dried solid	copies per gram of dry solid sample	
PMMoV_gc_g_dry_weight	Copies of PMMoV RNA per gram of dried solid	copies per gram of dry solid sample	
PMMoV_gc_g_dry_weight_UCI	68% upper confidence level of PMMoV RNA per gram of dried solid	copies per gram of dry solid sample	
PMMoV_gc_g_dry_weight_LCI	68% lower confidence level of PMMoV RNA per gram of dried solid	copies per gram of dry solid sample	
MPXV_G2R_G_gc_g_dry_weight	Copies of MPXV DNA per gram of dried solid	copies per gram of dry solid sample	
MPXV_G2R_G_gc_g_dry_weight_UCI	68% upper confidence level of copies of MPXV DNA per gram of dried solid	copies per gram of dry solid sample	
MPXV_G2R_G_gc_g_dry_weight_LCI	68% lower confidence level of copies of MPXV DNA per gram of dried solid	copies per gram of dry solid sample	

Column Label	Definition	Units	Example
MPXV_G2R_WA_gc_g_dry_weight	Copies of MPXV Clade II DNA per gram of dried solid	copies per gram of dry solid sample	
MPXV_G2R_WA_gc_g_dry_weight_UCI	68% upper confidence level of copies of MPXV Clade II DNA per gram of dried solid	copies per gram of dry solid sample	
MPXV_G2R_WA_gc_g_dry_weight_LCI	68% lower confidence level of copies of MPXV Clade II DNA per gram of dried solid	copies per gram of dry solid sample	
Noro_G2_gc_g_dry_weight	Copies of Norovirus GII RNA per gram of dried solid	copies per gram of dry solid sample	
Noro_G2_gc_g_dry_weight_UCI	68% upper confidence level of copies of Norovirus GII RNA per gram of dried solid	copies per gram of dry solid sample	
Noro_G2_gc_g_dry_weight_LCI	68% lower confidence level of copies of Norovirus GII RNA per gram of dried solid	copies per gram of dry solid sample	
Influenza_B_gc_g_dry_weight	Copies of Influenza B RNA per gram of dried solid	copies per gram of dry solid sample	
Influenza_B_gc_g_dry_weight_UCI	68% upper confidence level of copies of Influenza B RNA per gram of dried solid	copies per gram of dry solid sample	
Influenza_B_gc_g_dry_weight_LCI	68% lower confidence level of copies of Influenza B RNA per gram of dried solid	copies per gram of dry solid sample	
HMPV_4_gc_g_dry_weight	Copies of human Metapneumovirus RNA per gram of dried solid	copies per gram of dry solid sample	
HMPV_4_gc_g_dry_weight_UCI	68% upper confidence level of copies of human Metapneumovirus RNA per gram of dried solid	copies per gram of dry solid sample	
HMPV_4_gc_g_dry_weight_LCI	68% lower confidence level of copies of human Metapneumovirus RNA per gram of dried solid	copies per gram of dry solid sample	
HAV_gc_g_dry_weight	Copies of hepatitis A RNA per gram of dried solid	copies per gram of dry solid sample	

Column Label	Definition	Units	Example
HAV_gc_g_dry_weight_UCI	68% upper confidence level of copies of hepatitis A RNA per gram of dried solid	copies per gram of dry solid sample	
HAV_gc_g_dry_weight_LCI	68% lower confidence level of copies of hepatitis A RNA per gram of dried solid	copies per gram of dry solid sample	
HAdV_F_gc_g_dry_weight	Copies of adenovirus group F DNA per gram of dried solid	copies per gram of dry solid sample	
HAdV_F_gc_g_dry_weight_UCI	68% upper confidence level of copies of adenovirus group F DNA per gram of dried solid	copies per gram of dry solid sample	
HAdV_F_gc_g_dry_weight_LCI	68% lower confidence level of copies of adenovirus group F DNA per gram of dried solid	copies per gram of dry solid sample	
C_auris_gc_g_dry_weight	Copies of <i>Candida auris</i> DNA per gram of dried solid	copies per gram of dry solid sample	
C_auris_gc_g_dry_weight_UCI	68% upper confidence level of copies of <i>Candida auris</i> DNA per gram of dried solid	copies per gram of dry solid sample	
C_auris_gc_g_dry_weight_LCI	68% lower confidence level of copies of <i>Candida auris</i> DNA per gram of dried solid	copies per gram of dry solid sample	
EVD68_gc_g_dry_weight	Copies of enterovirus D68 RNA per gram of dried solid	copies per gram of dry solid sample	
EVD68_gc_g_dry_weight_UCI	68% upper confidence level of copies of enterovirus D68 RNA per gram of dried solid	copies per gram of dry solid sample	
EVD68_gc_g_dry_weight_LCI	68% lower confidence level of copies of enterovirus D68 RNA per gram of dried solid	copies per gram of dry solid sample	
Rota_gc_g_dry_weight	Copies of rotavirus RNA per gram of dried solid	copies per gram of dry solid sample	
Rota_gc_g_dry_weight_UCI	68% upper confidence level of copies of rotavirus RNA per gram of dried solid	copies per gram of dry solid sample	

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Rota_gc_g_dry_weight_LCI	68% lower confidence level of copies of rotavirus RNA per gram of dried solid	copies per gram of dry solid sample	
HPIV_gc_g_dry_weight	Copies of Human Parainfluenza RNA per gram of dried solid	copies per gram of dry solid sample	
HPIV_gc_g_dry_weight_UCI	68% upper confidence level of copies of Human Parainfluenza RNA per gram of dried solid	copies per gram of dry solid sample	
HPIV_gc_g_dry_weight_LCI	68% lower confidence level of copies of Human Parainfluenza RNA per gram of dried solid	copies per gram of dry solid sample	
bcov_recovery	Fractional recovery between 0 and 1 of Bovine coronavirus. Sometimes the value will be greater than 1 owing to uncertainty in the denominator of the ratio.	n/a	
bcov_recovery_lci	68% lower confidence level of Bovine coronavirus RNA recovery	n/a	
bcov_recovery_uci	68% upper confidence level of Bovine coronavirus RNA recovery	n/a	