

## WWSCAN API Data Dictionary

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If you have additional questions, please email [wwscan\\_stanford\\_emory@lists.stanford.edu](mailto:wwscan_stanford_emory@lists.stanford.edu):

Column Label	Definition	Units
City	City in which the collection site represents	n/a
State	State in which the collection site resides	n/a
State_Abbr	State in which the collection site resides	n/a
Plant	Plant name as shown on the website	n/a
Site_Name	Full name of collection site	n/a
Zipcode	Zip code of the collection site	n/a
Population_Served	Human population contribution to the sewershed of the collection site	n/a
County_FIPS	Counties served by collection site	n/a
Collection_Date	Date sample was collected (YYYY-MM-DD)	n/a
Sample_ID	Unique identifier for each specimen	n/a
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
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
C_auris_gc_g_dry_weight	Copies of <i>Candida auris</i> nucleic acids 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> nucleic acids per gram of dried solid	copies per gram of dry solid sample

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C_auris_gc_g_dry_weight_tri mmed5	A 5-sample, centered average of C_auris_gc_g_dry_weight without the highest and lowest values	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> nucleic acids per gram of dried solid	copies per gram of dry solid sample
C_auris_norm_PMMoV	The ratio of <i>Candida auris</i> nucleic acids to PMMoV RNA	n/a
C_auris_norm_PMMoV_trimmed5	A 5-sample, centered average of C_auris_norm_PMMoV without the highest and lowest values	n/a
C_auris_num_wells	The number of droplet digital PCR reactions run for <i>Candida auris</i> nucleic acids	number of reactions
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_LCI	68% lower 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_tri mmed5	A 5-sample, centered average of EVD68_norm_PMMoV without the highest and lowest values	copies per gram of dry solid sample
EVD68_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
EVD68_norm_PMMoV	The ratio of enterovirus D68 RNA to PMMoV RNA	n/a
EVD68_norm_PMMoV_trimmmed5	A 5-sample, centered average of EVD68_gc_g_dry_weight without the highest and lowest values	n/a
EVD68_num_wells	The number of droplet digital PCR reactions run for enterovirus D68 RNA	number of reactions
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_LCI	68% lower 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_tri mmed5	A 5-sample, centered average of HAdV_F_gc_g_dry_weight without the highest and lowest values	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

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HAdV_F_norm_PMMoV	The ratio of human adenovirus group F DNA to PMMoV RNA	n/a
HAdV_F_norm_PMMoV_trimmed5	A 5-sample, centered average of HAdV_F_norm_PMMoV without the highest and lowest values	n/a
HAdV_F_num_wells	The number of droplet digital PCR reactions run for adenovirus group F DNA	number of reactions
HAV_gc_g_dry_weight	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
HAV_gc_g_dry_weight_trimmed5	A 5-sample, centered average of HAV_gc_g_dry_weight without the highest and lowest values	copies per gram of dry solid sample
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_norm_PMMoV	The ratio of human hepatitis A RNA to PMMoV RNA	n/a
HAV_norm_PMMoV_trimmed5	A 5-sample, centered average of HAV_norm_PMMoV without the highest and lowest values	n/a
HAV_num_wells	The number of droplet digital PCR reactions run for hepatitis A RNA	number of reactions
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_LCI	68% lower 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_trimmed5	A 5-sample, centered average of HMPV_4_gc_g_dry_weight without the highest and lowest values	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_norm_PMMoV	The ratio of human Metapneumovirus RNA to PMMoV RNA	n/a
HMPV_4_norm_PMMoV_trimmed5	A 5-sample, centered average of HMPV_4_norm_PMMoV without the highest and lowest values	n/a

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Column Label	Definition	Units
HMPV_4_num_wells	The number of droplet digital PCR reactions run for human Metapneumovirus RNA	number of reactions
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_LCI	68% lower 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_trimmed5	A 5-sample, centered average of HPIV_gc_g_dry_weight without the highest and lowest values	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_norm_PMMoV	The ratio of Human Parainfluenza RNA to PMMoV RNA	n/a
HPIV_norm_PMMoV_trimmed5	A 5-sample, centered average of HPIV_norm_PMMoV without the highest and lowest values	n/a
HPIV_num_wells	The number of droplet digital PCR reactions run for Human Parainfluenza RNA	number of reactions
HV_69_70_Del_gc_g_dry_weight	Copies of SARS-CoV-2 RNA from the S:HV69-70 deletion (indicative of Alpha, Omicron BA.1, BA.4, and/or BA.5) per gram of dried solid. Note that this mutation was used to detect the Alpha variant from April 2021 to August 2021, the Omicron BA.1 variant from November 2021 to December 2021, and the Omicron BA.4 and BA.5 variants from June 2022 onwards	copies per gram of dry solid sample
HV_69_70_Del_gc_g_dry_weight_LCI	68% lower confidence interval of copies of SARS-CoV-2 RNA from the S:HV69-70 deletion (indicative of Alpha, Omicron BA.1, BA.4, and/or BA.5) per gram of dried solid	copies per gram of dry solid sample
HV_69_70_Del_gc_g_dry_weight_trimmed5	A 5-sample, centered average of HV_69_70_Del_gc_g_dry_weight without the highest and lowest values	copies per gram of dry solid sample
HV_69_70_Del_gc_g_dry_weight_UCI	68% upper confidence interval of copies of SARS-CoV-2 RNA from the S:HV69-70 deletion (indicative of Alpha, Omicron BA.1, BA.4, and/or BA.5) per gram of dried solid	copies per gram of dry solid sample
HV_69_70_Del_norm_PMMoV	The ratio of SARS-CoV-2 RNA from the S:HV60-70 deletion (indicative of Alpha, Omicron, BA.1, BA.4,	n/a

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Column Label	Definition	Units
	and/or BA.5) to PMMoV RNA	
HV_69_70_Del_norm_PMMoV_trimmed5	A 5-sample, centered average of HV69_70_Del_norm_PMMoV without the highest and lowest values	n/a
HV_69_70_Del_num_wells	The number of droplet digital PCR reactions run for SARS-CoV-2 RNA from the S:HV69-70 deletion (indicative of Alpha, Omicron, BA.1, BA.4, and/or BA.5)	number of reactions
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_LCI	68% lower 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_trimmed5	A 5-sample, centered average of Influenza_A_gc_g_dry_weight without the highest and lowest values	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_norm_PMMoV	The ratio of influenza A RNA to PMMoV RNA	n/a
Influenza_A_norm_PMMoV_t_trimmed5	A 5-sample, centered average of Influenza_A_norm_PMMoV without the highest and lowest values	n/a
Influenza_A_num_wells	The number of droplet digital PCR reactions run for Influenza A	number of reactions
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_LCI	68% lower 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_trimmed5	A 5-sample, centered average of Influenza_B_gc_g_dry_weight without the highest and lowest values	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_norm_PMMoV	The ratio of Influenza B RNA to PMMoV RNA	n/a
Influenza_B_norm_PMMoV_t_trimmed5	A 5-sample, centered average of Influenza_B_norm_PMMoV without the highest and lowest values	n/a

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Column Label	Definition	Units
Influenza_B_num_wells	The number of droplet digital PCR reactions run for Influenza B RNA	number of reactions
InfA_H1_gc_g_dry_weight	Copies of H1 RNA per gram of dried solid	copies per gram of dry solid sample
InfA_H1_gc_g_dry_weight_U CI	68% upper confidence level of copies of H1 RNA per gram of dried solid	copies per gram of dry solid sample
InfA_H1_gc_g_dry_weight_LC I	68% lower confidence level of copies of H1 RNA per gram of dried solid	copies per gram of dry solid sample
InfA_H1_gc_g_dry_weight_tri mmed5	A 5-sample, centered average of InfA_H1_gc_g_dry_weight without the highest and lowest values	copies per gram of dry solid sample
InfA_H1_norm_PMMoV	The ratio of H1 RNA to PMMoV RNA	n/a
InfA_H1_norm_PMMoV_trim med5	A 5-sample, centered average of InfA_H1_norm_PMMoV without the highest and lowest values	n/a
InfA_H1_num_wells	The number of droplet digital PCR reactions run for H1 RNA	number of reactions
InfA_H3_gc_g_dry_weight	Copies of H3 RNA per gram of dried solid	copies per gram of dry solid sample
InfA_H3_gc_g_dry_weight_U CI	68% upper confidence level of copies of H3 RNA per gram of dried solid	copies per gram of dry solid sample
InfA_H3_gc_g_dry_weight_LC I	68% lower confidence level of copies of H3 RNA per gram of dried solid	copies per gram of dry solid sample
InfA_H3_gc_g_dry_weight_tri mmed5	A 5-sample, centered average of InfA_H3_gc_g_dry_weight without the highest and lowest values	copies per gram of dry solid sample
InfA_H3_norm_PMMoV	The ratio of H3 RNA to PMMoV RNA	n/a
InfA_H3_norm_PMMoV_trim med5	A 5-sample, centered average of InfA_H3_norm_PMMoV without the highest and lowest values	n/a
InfA_H3_num_wells	The number of droplet digital PCR reactions run for H3 RNA	number of reactions
InfA_H5_gc_g_dry_weight	Copies of H5 RNA per gram of dried solid	copies per gram of dry solid sample
InfA_H5_gc_g_dry_weight_U CI	68% upper confidence level of copies of H5 RNA per gram of dried solid	copies per gram of dry solid sample

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Column Label	Definition	Units
InfA_H5_gc_g_dry_weight_LC	68% lower confidence level of copies of H5 RNA per gram of dried solid	copies per gram of dry solid sample
InfA_H5_gc_g_dry_weight_trimmed5	A 5-sample, centered average of InfA_H5_gc_g_dry_weight without the highest and lowest values	copies per gram of dry solid sample
InfA_H5_norm_PMMoV	The ratio of H5 RNA to PMMoV RNA	n/a
InfA_H5_norm_PMMoV_trimmed5	A 5-sample, centered average of InfA_H5_norm_PMMoV without the highest and lowest values	n/a
InfA_H5_num_wells	The number of droplet digital PCR reactions run for H5 RNA	number of reactions
MeV_gc_g_dry_weight	Copies of measles RNA per gram of dried solid	copies per gram of dry solid sample
MeV_gc_g_dry_weight_LCI	68% lower confidence level of copies of measles RNA per gram of dried solid	copies per gram of dry solid sample
MeV_gc_g_dry_weight_trimmed5	A 5-sample, centered average of MeV_gc_g_dry_weight without the highest and lowest values	copies per gram of dry solid sample
MeV_gc_g_dry_weight_UCI	68% upper confidence level of copies of measles RNA per gram of dried solid	copies per gram of dry solid sample
MeV_norm_PMMoV	The ratio of measles RNA A to PMMoV RNA	n/a
MeV_norm_PMMoV_trimmed5	A 5-sample, centered average of MeV_norm_PMMoV without the highest and lowest values	n/a
MeV_num_wells	The number of droplet digital PCR reactions run for MeV RNA	number of reactions
MPXV_G2R_gc_g_dry_weight	Copies of MPXV clade II RNA per gram of dried solid	copies per gram of dry solid sample
MPXV_G2R_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
MPXV_G2R_gc_g_dry_weight_trimmed5	A 5-sample, centered average of MPXV_G2R_G_gc_g_dry_weight without the highest and lowest values	copies per gram of dry solid sample
MPXV_G2R_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_norm_PMMoV	The ratio of MPXV clade II DNA to PMMoV RNA	n/a

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Column Label	Definition	Units
MPXV_G2R_norm_PMMoV_t rimmed5	A 5-sample, centered average of MPXV_G2R_G_norm_PMMoV without the highest and lowest values	n/a
MPXV_G2R_num_wells	The number of droplet digital PCR reactions run for MPXV clade II DNA	number of reactions
MPXV_dD14-16_gc_g_dry_w eight	Copies of MPXV Clade Ib DNA per gram of dried solid	copies per gram of dry solid sample
MPXV_dD14-16_gc_g_dry_ weight_LCI	68% lower confidence level of copies of MPXV Clade Ib DNA per gram of dried solid	copies per gram of dry solid sample
MPXV_dD14-16_gc_g_dry_w eight_UCI	68% upper confidence level of copies of MPXV Clade Ib DNA per gram of dried solid	copies per gram of dry solid sample
MPXV_dD14-16_gc_g_dry_w eight_trimmed5	A 5-sample, centered average of MPXV_dD14-16_gc_g_dry_weight without the highest and lowest values	copies per gram of dry solid sample
MPXV_dD14-16_norm_PMM oV	The ratio of MPXV_dD14-16 DNA to PMMoV RNA	n/a
MPXV_dD14-16_norm_PMM oV_trimmed5	A 5-sample, centered average of MPXV_dD14-16_norm_PMMoV without the highest and lowest values	n/a
MPXV_dD14-16_num_wells	The number of droplet digital PCR reactions run for MPXV Clade Ib DNA	number of reactions
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_L CI	68% lower 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_tr immed5	A 5-sample, centered average of Noro_G2_gc_g_dry_weight without the highest and lowest values	copies per gram of dry solid sample
Noro_G2_gc_g_dry_weight_U CI	68% upper confidence level of copies of Norovirus GII RNA per gram of dried solid	copies per gram of dry solid sample
Noro_G2_norm_PMMoV	The ratio of Norovirus GII RNA to PMMoV RNA	n/a
Noro_G2_norm_PMMoV_trim med5	A 5-sample, centered average of Noro_G2_norm_PMMoV without the highest and lowest	n/a

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Column Label	Definition	Units
	values	
Noro_G2_num_wells	The number of droplet digital PCR reactions run for Norovirus GII RNA	number of reactions
Parvo_B19_gc_g_dry_weight_UCI	Copies of Parvovirus B19 RNA per gram of dried solid	copies per gram of dry solid sample
Parvo_B19_gc_g_dry_weight_LCI	68% lower confidence level of copies of Parvovirus B19 RNA per gram of dried solid	copies per gram of dry solid sample
Parvo_B19_gc_g_dry_weight_trimmed5	A 5-sample, centered average of Parvo_B19_gc_g_dry_weight without the highest and lowest values	copies per gram of dry solid sample
Parvo_B19_gc_g_dry_weight_UCL	68% upper confidence level of copies of Parvovirus B19 RNA per gram of dried solid	copies per gram of dry solid sample
Parvo_B19_norm_PMMoV	The ratio of Parvovirus B19 RNA to PMMoV RNA	n/a
Parvo_B19_norm_PMMoV_trimmmed5	A 5-sample, centered average of Parvo_B19_norm_PMMoV without the highest and lowest values	n/a
Parvo_B19_num_wells	The number of droplet digital PCR reactions run for Parvovirus B19 RNA	number of reactions
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_LCI	68% lower confidence level of PMMoV RNA per gram of dried solid	copies per gram of dry solid sample
PMMoV_gc_g_dry_weight_trimmmed5	A 5-sample, centered average of PMMoV_gc_g_dry_weight without the highest and lowest values	copies per gram of dry solid sample
PMMoV_gc_g_dry_weight_UCL	68% upper confidence level of PMMoV RNA per gram of dried solid	copies per gram of dry solid sample
PMMoV_num_wells	The number of droplet digital PCR reactions run for PMMoV	number of reactions
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_LCI	68% lower confidence level of copies of rotavirus RNA per gram of dried solid	copies per gram of dry solid sample
Rota_gc_g_dry_weight_trimmmed5	A 5-sample, centered average of Rota_gc_g_dry_weight without the highest and lowest values	copies per gram of dry solid sample

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Column Label	Definition	Units
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
Rota_norm_PMMoV	The ratio of rotavirus RNA to PMMoV RNA	n/a
Rota_norm_PMMoV_trimmed5	A 5-sample, centered average of Rota_norm_PMMoV without the highest and lowest values	n/a
Rota_num_wells	The number of droplet digital PCR reactions run for Rotavirus	number of reactions
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_LCI	68% lower confidence level of copies of RSV RNA per gram of dried solid	copies per gram of dry solid sample
RSV_gc_g_dry_weight_trimmed5	A 5-sample, centered average of RSV_gc_g_dry_weight dry weight without the highest and lowest values	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_norm_PMMoV	The ratio of RSV RNA to PMMoV RNA	n/a
RSV_norm_PMMoV_trimmed5	The number of droplet digital PCR reactions run for RSV RNA	n/a
RSV_num_wells	The number of droplet digital PCR reactions run for RSV	number of reactions
SC2_BA_2_LPPA24S_gc_g_dry_weight	Copies of SARS-CoV-2 RNA from the S:LPPA24S deletion (indicative of BA.2) per gram of dried solid	copies per gram of dry solid sample
SC2_BA_2_LPPA24S_gc_g_dry_weight_LCI	68% lower confidence level of copies of SARS-CoV-2 RNA from the S:LPPA24S deletion (indicative of BA.2) per gram of dried solid	copies per gram of dry solid sample
SC2_BA_2_LPPA24S_gc_g_dry_weight_trimmed5	A 5-sample, centered average of SC2_BA_2_LPPA24S_gc_g_dry_weight dry weight without the highest and lowest values	copies per gram of dry solid sample
SC2_BA_2_LPPA24S_gc_g_dry_weight_UCI	68% upper confidence level of copies of SARS-CoV-2 RNA from the S:LPPA24S deletion (indicative of BA.2) per gram of dried solid	copies per gram of dry solid sample
SC2_BA_2_LPPA24S_norm_PMMoV	The ratio of SARS-CoV-2 RNA from the S:LPPA24S mutation (indicative of BA.1) to PMMoV RNA	n/a

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Column Label	Definition	Units
SC2_BA_2_LPPA24S_norm_PMMoV_trimmed5	A 5-sample, centered average of SC2_BA_2_LPPA24S_norm_PMMoV without the highest and lowest values	n/a
SC2_BA_2_LPPA24S_num_wells	The number of droplet digital PCR reactions run for the SARS-CoV-2 LPPA24S mutation (indicative of BA.2)	number of reactions
SC2_BA_4_ORF1a_Del14114_3_gc_g_dry_weight	Copies of SARS-CoV-2 RNA from the ORF1a:141-143 deletion (indicative of BA.4) per gram of dried solid	copies per gram of dry solid sample
SC2_BA_4_ORF1a_Del14114_3_gc_g_dry_weight_LCI	68% lower confidence interval of copies of SARS-CoV-2 RNA from the ORF1a:141-143 deletion (indicative of BA.4) per gram of dried solid	copies per gram of dry solid sample
SC2_BA_4_ORF1a_Del14114_3_gc_g_dry_weight_trimmed5	A 5-sample, centered average of SC2_BA_4_ORF1a_Del141143 without the highest and lowest values	copies per gram of dry solid sample
SC2_BA_4_ORF1a_Del14114_3_gc_g_dry_weight_UCI	68% upper confidence interval of copies of SARS-CoV-2 RNA from the ORF1a:141-143 deletion (indicative of BA.4) per gram of dried solid	copies per gram of dry solid sample
SC2_BA_4_ORF1a_Del14114_3_norm_PMMoV	The ratio of SARS-CoV-2 RNA from the ORF1a:141-43 deletion (indicative of BA.1) to PMMoV RNA	n/a
SC2_BA_4_ORF1a_Del14114_3_norm_PMMoV_trimmed5	A 5-sample, centered average of SC2_BA_4_ORF1a_Del141143_norm_PMMoV without the highest and lowest values	n/a
SC2_BA_4_ORF1a_Del14114_3_num_wells	The number of droplet digital PCR reactions run for SARS-CoV-2 ORF1a:141-143 deletion (indicative of BA.4)	number of reactions
SC2_Delta_156157_gc_g_dry_weight	Copies of SARS-CoV-2 RNA from the S:156-157 deletion (indicative of Delta) per gram of dried solid	copies per gram of dry solid sample
SC2_Delta_156157_gc_g_dry_weight_LCI	68% lower confidence level of copies of SARS-CoV-2 RNA from the S:156-157 deletion (indicative of Delta) per gram of dried solid	copies per gram of dry solid sample
SC2_Delta_156157_gc_g_dry_weight_trimmed5	A 5-sample, centered average of SC2_Delta_156157_gc_g_dry_weight dry weight without the highest and lowest values	copies per gram of dry solid sample
SC2_Delta_156157_gc_g_dry_weight_UCI	68% upper confidence level of copies of SARS-CoV-2 RNA from the S:156-157 deletion (indicative of Delta) per gram of dried solid	copies per gram of dry solid sample

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Column Label	Definition	Units
SC2_Delta_156157_num_wells	The number of droplet digital PCR reactions run for the SARS-CoV-2 S:156-157 deletion (indicative of Delta)	number of reactions
SC2_N_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
SC2_N_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
SC2_N_gc_g_dry_weight_trimmed5	A 5-sample, centered average of SC2_N_gc_g_dry_weight without the highest and lowest values	copies per gram of dry solid sample
SC2_N_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
SC2_N_norm_PMMoV	The ratio of SARS-CoV-2 N gene RNA to PMMoV RNA	n/a
SC2_N_norm_PMMoV_trimmed5	A 5-sample, centered average of the ratio of SC2_N_norm_PMMoV without the highest and lowest values	n/a
SC2_N_num_wells	The number of droplet digital PCR reactions run for the SARS-CoV-2 N Gene	number of reactions
SC2_Omicron_Del143145_gc_g_dry_weight	Copies of SARS-CoV-2 RNA from the S:143-145 deletion (indicative of BA.1) per gram of dried solid	copies per gram of dry solid sample
SC2_Omicron_Del143145_gc_g_dry_weight_LCI	68% lower confidence level of copies of SARS-CoV-2 RNA from the S:143-145 deletion (indicative of BA.1) per gram of dried solid	copies per gram of dry solid sample
SC2_Omicron_Del143145_gc_g_dry_weight_trimmed5	A 5-sample, centered average of SC2_Omicron_Del143145_gc_g_dry_weight without the highest and lowest values	copies per gram of dry solid sample
SC2_Omicron_Del143145_gc_g_dry_weight_UCI	68% upper confidence level of copies of SARS-CoV-2 RNA from the S:143-145 deletion (indicative of BA.1) per gram of dried solid	copies per gram of dry solid sample
SC2_Omicron_Del143145_norm_PMMoV	The ratio of SARS-CoV-2 RNA from the S:143-145 deletion (indicative of BA.1) to PMMoV RNA	n/a
SC2_Omicron_Del143145_norm_PMMoV_trimmed5	A 5-sample, centered average of the ratio of SC2_Omicron_Del143145_norm_PMMoV without the highest and lowest values	n/a

## WWSCAN API Data Dictionary

Column Label	Definition	Units
SC2_Omicron_Del143145_nu_m_wells	The number of droplet digital PCR reactions run for the SARS-CoV-2 S:143-145 deletion (indicative of BA.1)	number of reactions
SC2_S_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
SC2_S_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
SC2_S_gc_g_dry_weight_trimmed5	A 5-sample, centered average of SC2_S_gc_g_dry_weight without the highest and lowest values	copies per gram of dry solid sample
SC2_S_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
SC2_S_norm_PMMoV	The ratio of SARS-CoV-2 S gene RNA to PMMoV RNA	n/a
SC2_S_norm_PMMoV_trimmed5	A 5-sample, centered average of the ratio of SC2_S_norm_PMMoV without the highest and lowest values	n/a
SC2_S_num_wells	The number of droplet digital PCR reactions run for the SARS-CoV-2 S Gene	number of reactions
WNV_gc_g_dry_weight	Copies of WNV RNA per gram of dried solid	copies per gram of dry solid sample
WNV_gc_g_dry_weight_LCI	68% lower confidence level of copies of WNV RNA from the spike gene per gram of dried solid	copies per gram of dry solid sample
WNV_gc_g_dry_weight_trimmed5	A 5-sample, centered average of WNV_gc_g_dry_weight without the highest and lowest values	copies per gram of dry solid sample
WNV_gc_g_dry_weight_UCI	68% upper confidence level of copies of WNV RNA from the spike gene per gram of dried solid	copies per gram of dry solid sample
WNV_norm_PMMoV	The ratio of WNV RNA to PMMoV RNA	n/a
WNV_norm_PMMoV_trimmed5	A 5-sample, centered average of the ratio of WNV_norm_PMMoV without the highest and lowest values	n/a

## WWSCAN API Data Dictionary

Column Label	Definition	Units
WNV_num_wells	The number of droplet digital PCR reactions run for Rotavirus	number of reactions
XBB_bkpt_gc_g_dry_weight	Concentration of the 5 adjacent SNPs (found in XBB*, including XBB1.5) in gene copies per mass of wastewater solids as measured by dry weight.	copies per gram of dry solid sample
XBB_bkpt_gc_g_dry_weight_LCI	68% lower confidence level of copies of the 5 adjacent SNPs (found in XBB*, including XBB1.5) from the spike gene per gram of dried solid	copies per gram of dry solid sample
XBB_bkpt_gc_g_dry_weight_t rimmed5	A 5-sample, centered average of XBB_bkpt_gc_g_dry_weight without the highest and lowest values	copies per gram of dry solid sample
XBB_bkpt_gc_g_dry_weight_UCI	68% upper confidence level of copies of the 5 adjacent SNPs (found in XBB*, including XBB1.5) from the spike gene per gram of dried solid	copies per gram of dry solid sample
XBB_bkpt_norm_PMMoV	The ratio of the 5 adjacent SNPs (found in XBB*, including XBB1.5) from the spike gene to PMMoV RNA	n/a
XBB_bkpt_norm_PMMoV_tr mmed5	A 5-sample, centered average of XBB_bkpt_norm_PMMoV without the highest and lowest values	n/a
XBB_bkpt_num_wells	The number of droplet digital PCR reactions run for the 5 adjacent SNPs (found in XBB*, including XBB1.5) from the spike gene	number of reactions