

Appendix G: Data Summary Report

**Houston-Galveston Area Council
Clean Rivers Program
Data Summary**

Data Information

Data Source: HG (source 1) HG (source 2)

Date Submitted: 12/22/2020

Tag ID Range: I051103 - I051130

Date Range: 06/16/2020 – 09/03/2020

Comments

1. This report addresses ambient and 24-hour dissolved oxygen monitoring data, all of which are attached to this email.
2. Summary statistics for 24-hour DO monitoring events are calculated from raw data downloaded from the datasonde and are assumed to be correct if the datasonde has passed post-calibration and the data series shows the sonde was always in the water. Outliers flagged by the SWQMIS validation algorithm are reviewed and accepted by H-GAC. There is one (1) 24-hour DO events in this dataset. There were no outliers identified in this event.
3. Total Kjeldahl nitrogen (TKN) is analyzed at 12 stations on a quarterly basis. There are 11 results in this dataset.
 - a. TKN was not analyzed from 11335 on 08/18/2020 due to inaccessibility from construction (see Item 4).
4. Station 11335 could not be sampled in August due to construction activity at the location.
5. The CRP QAPP specifies a limit of quantitation of 1 MPN/100 mL for *E. coli* (31699), achievable when 100 mL of sample is analyzed. Eastex Laboratory does not analyze 100 mL aliquots; the effective LOQ is 10 MPN/100 mL from 1:10 dilutions.
6. Water color (89969) and water odor (89971) are only reported as “Other” (“6” and “7” respectively) if H-GAC has confirmed that a description is included in the “Comments” field. This dataset does not contain any results as “Other” for

Water Color or Water Odor.

7. Field data are collected at stations 11181, 11243, and 16626 in support of a flow monitoring project requested by TCEQ. Laboratory samples are not collected.
 - a. 11243 was inaccessible in July 2020 due to highway construction.
8. There are 25 instantaneous flow (00061) results in the dataset.
 - a. 17431 reported as <0.1 as it was too shallow to take a measurement.
 - b. 20462 reported as 0.0 as pools were present at the location (no flow).
 - c. 20457 reported as 0.0 as pools were present but not large enough to assess by SWQM guidance (no flow).
 - d. 18192 reported as 0.00 as no observable flow was present (no flow).
9. The following outliers were verified by H-GAC and/or Eastex Laboratory staff:
 - a. Nitrate-N, total (00062) at 20465 on 09/02/2020 verified by Eastex Lab (September HGAC Data Review Checklist).

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Date 12/21/2020

Houston-Galveston Area Council
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Date 12/21/2020