

## **Appendix G: Data Summary Report examples**

# DATA SUMMARY

## Data Set Information

**Data Source:** \_\_\_\_\_.

**Date Submitted:** \_\_\_\_\_.

**Tag ID Range:** \_\_\_\_\_.

**Date Range:** \_\_\_\_\_.

### **Comments:**

Please explain in the space below any data discrepancies discovered during data review including:

- Inconsistencies with AWRL specifications or LOQs
- Failures in sampling methods and/or laboratory procedures that resulted in data that could not be reported to the TCEQ (indicate items for which the Corrective Action Process has been initiated).
- Include completed Corrective Action Plans with the applicable Progress Report.

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I certify that all data in this data set meets the requirements specified in Texas Water Code Chapter 5, Subchapter R (TWC §5.801 et seq) and Title 30 Texas Administrative Code Chapter 25, Subchapters A & B.

This data set has been reviewed using the Data Review Checklist.?

**Planning Agency Data Manager:** \_\_\_\_\_.

**Date:** \_\_\_\_\_.

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

**Data Information**

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

**Date Submitted:** March 5, 2015

**Tag ID Range:** I050455 - I050508

**Date Range:** 7/12/14 – 12/17/14

**Comments**

1. This report addresses ambient and 24-hour dissolved oxygen monitoring data, all of which is 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.
3. Total Kjeldahl nitrogen (TKN) is analyzed at all stations. There are 30 results in this dataset.
4. 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. In some cases a smaller aliquot must be analyzed in order to obtain results below the maximum quantitation limit of the method (2400 MPN/100 mL). Historical information is used by the laboratory to determine if analysis of less than 100 mL is warranted. All results that suggest an aliquot of less than 100 mL was analyzed were confirmed by H-GAC in consultation with the laboratory. Eastex Laboratory does not analyze 100 mL aliquots; the effective LOQ is 10 MPN/100 mL.
5. Dissolved solids may interfere with quantitation of enterococci (31701) using the IDEXX Enterolert® method. A 1:10 dilution of saline (tidal) samples is analyzed to overcome matrix interference. Accordingly, the quantitation limit

for estuarine (brackish) waters is 10 MPN/100mL. All results associated with a higher quantitation limit were confirmed by H-GAC through consultation with the laboratory.

6. Water color (89969) or 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.
7. Samples from all stations were analyzed for enterococci. There are 30 enterococci results and 24 *E. coli* results in this dataset.
8. Chloride (00940) and sulfate (00945) are typically analyzed and reported for nontidal sites only. There are 24 results for each parameter in this dataset.
9. Salinity (00480) is reported for tidal sites only. There are fourteen (14) results in this dataset.
10. Flow severity (01351) is reported for nontidal sites only. Twenty-four (24) results are included in this dataset.
  - a. Flow severity could not be assessed at station 12135 on 9/30/14. The stream was overgrown with vegetation and water could not be seen.
11. There are twenty-eight (28) flow (00061) results in the dataset. Flow is not measured at tidal sites.
  - a. Flow was not measured at station 20462 because the stream was difficult to access, and was sampled from a bridge
  - b. Flow was not measured at station 20723 because the banks were slick and unstable; samples were collected from a bridge.
12. Twenty-four hour dissolved oxygen data for three events in July and August were omitted from the previous submission of 24-hour dissolved oxygen data, and are included in this dataset:
  - a. Station 11123, 7/12/14 (flow data submitted in December 2014)
  - b. Station 16611, 8/31/14 (flow data included in this dataset)
  - c. Station 18818, 8/31/14 (flow data included in this dataset)
13. Instantaneous flow (00061) data for two 24-hour dissolved oxygen events (stations 16611, 18818, 5/22/14) is included in this dataset. It was omitted from the previous submission of 24-hour dissolved oxygen data.

14. No data are reported for a 24-hour dissolved oxygen monitoring event at station 11117 in October. This is a tidal site, with a cyclically varying depth. The datasonde was suspended too high in the guard column to remain submerged for an entire 24-hour period. Of the fifteen-minute measurements, the depth was “negative” (in the air) for 235. The datasonde was at a depth greater than 0.1 meters at only ten points.
15. The datasonde did not pass dissolved oxygen post-calibration on 11/19/14. Dissolved oxygen (00300) data are not reported for five events.
16. Stations 17937 and 20721 could not be sampled on 10/22/14 and 10/1/14 respectively due to bridge construction activity.
17. Peach Creek (20722) was dry on 10/1/14. The applicable qualitative parameters are reported in this dataset.
18. Stations 20721 and 17397 could not be sampled due to construction activities.
19. The following outliers were verified by H-GAC and/or Eastex Laboratory staff:
  - a. TKN (00625) : One result

Houston-Galveston Area Council  
CRP Data Manager Bill Hoffman Date 3/5/15

Houston-Galveston Area Council  
CRP Quality Assurance Officer Jean Wright Date 3/5/15