

# **Appendix G: Summary Report for H-GAC Data Submissions**

## 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:**

**Tag ID Range:** I050136 - I050186

**Date Range:** 2/5/13 – 5/3/13

**Comments**

1. Total Kjeldahl nitrogen (TKN) is analyzed at all stations. There are 47 results in this dataset.
2. 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.
3. 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.
4. 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.
5. Samples from all stations were analyzed for enterococci. There are 47 enterococci results (see next comment) and 44 *E. coli* results in this dataset.
6. Chloride (00940) and sulfate (00945) are typically analyzed and reported for nontidal sites only. There are 45 results for each parameter in this dataset, which includes several results from tidal sites collected in support of the TSSWCB Cedar Bayou and San Bernard projects.

7. Flow severity (01351) is reported for nontidal sites only. Forty-three (43) results are included in this dataset.
8. Salinity (00480) is reported for tidal sites only. There are eight (8) results in this dataset.
9. Samples from the Cedar Bayou and San Bernard River watersheds are analyzed for Chlorophyll-a, ortho-phosphate phosphorus, turbidity, and hardness in support of a TSSWCB project. With the exception of chlorophyll-a, laboratory analyses are funded by the TSSWCB. Ten results for each parameter are included in this dataset.
10. There are 38 instantaneous flow (00061) results in the dataset. Flow was observed at all stations (no flow severity results of "No flow" or "Dry"). Flow is not measured at tidal sites.
11. Some flow measurements for CRP sites will be reported with the 24-Hour Dissolved Oxygen project data. The following flow measurements are not included in this dataset but will be submitted with DO project data:
  - a. Cedar Bayou, station 11123, May 1 and April 18, 2013
  - b. Pine Gulley, station 16659, March 13 and May 9, 2013
  - c. West Bernard Creek, station 20721, February 8 and May 3, 2013
12. Flow measurement was attempted but not reported at the following stations:
  - a. Flow could not be measured at station 20465 on 2/5/13 due to instrument problems
  - b. The flow measurement at station 11367 on 5/2/13 did not meet either of the two data quality criteria set by USGS (COV < 5 percent, exposure time of two passes > 12 minutes), and is not reported. The flow was approximately 23 cfs.
  - c. FlowTracker instrument failures were reported at stations 20453 and 20731 on 2/7/13
  - d. Flow data from the USGS gauging station at monitoring station 20457 suggests problems with the gauge. No validated data are available for 2013. The provisional result for 2/5/13 is "0.00" cfs. H-GAC did not add this datum to the dataset because sampling staff reported a flow severity of 3 ("Normal"). Upon further discussion with sampling staff, the flow severity was changed to "2" (low). A provisional result of 0.04 cfs on 4/17/13 was added to the dataset because sampling staff described the flow severity as 2 ("Low").
13. Recreational activity parameters (89968, 89969) were not documented at station 20453 on 2/7/13
14. Total depth (82903) was not documented at station 11117 on 4/16/13.
15. The water clarity result at station 20723 on 2/6/13 was changed from 1 (excellent) to 4 (poor) on the basis of Secchi transparency and turbidity observations.
16. The following outliers were verified by H-GAC and/or Eastex Laboratory staff:

- a. TKN (00625): Three results
- b. Ammonia (00610): One result
- c. Nitrate + nitrite(00630): Two results
- d. TSS (00530): Two results

17. Enterococci (31701) is not reported for station 16370 on 2/6/13. The sample was received at the laboratory beyond the hold time.

Houston-Galveston Area Council  
CRP Data Manager Bill Hoffman Date

Houston-Galveston Area Council  
CRP Quality Assurance Officer Jean Wright Date