

AQS Guidelines for Reporting 5-minute SO₂ Data
January 3, 2011

Dear AQS User:

Please use these guidelines when reporting the 5-minute SO₂ data. (These are specifically for the SO₂ reporting changes that were outlined in the November 3, 2010 memo “AQS Technical Note – NAAQS Reporting Issues for NO₂ and SO₂ NCORE Reporting Issues for NO_y and trace-level gases.”)

If you are reporting:	Use AQS parameter code:	Use AQS duration code:	Use POC:	Notes:
maximum 5-minute SO₂ average from each hour	42406	1	Use of POC 1 is suggested but not required.	Meets the reporting requirement for SO ₂ 5-minute data. (Other option is to load <u>all</u> the 5-minute data. See below.)
<u>all</u> of the twelve 5-minute averages from each hour	42401	H	Often 42401 duration “1” data is reported as POC 1, so the use of POC 2 (if available) is suggested but not required.	Meets the reporting requirement for SO ₂ 5-minute data. (Other option is to load the maximum 5-minute average for each hour. See above.) Since “42401” is also used for hourly SO ₂ (duration 1) data, a new POC must be established. If you try to load 5-minute data to the existing monitor being used for hourly data, you will get the error: “Sample duration cannot change within a calendar year.” If using this option, the maximum 5-minute average for each hour does not have to be identified and separately reported.

Before loading any 5-minute SO₂ raw data into AQS, establish the new monitor with the appropriate parameter and POC.