

**United States Department of Agriculture
Agricultural Marketing Service, Science & Technology
Pesticide Data Program**

SOP No.: PDP-INST-04	Page 1 of 4	
Title: Injection Sequence		
Revision: 3	Replaces 12/11/92	Effective: 06/01/02

1. Purpose:

To provide standard procedures for the injection sequence to be used in the analysis of USDA, AMS Pesticide Data Program (PDP) samples.

2. Scope:

This standard operating procedure (SOP) shall be followed by all laboratories conducting residue studies for PDP, including support laboratories conducting stability or other types of studies that may impact the program.

3. Outline of Procedures:

Injection sequence description

4. References:

- USDA/AMS PDP Quality Assurance (QA)/Technical Meeting, April 9-11, 2002
- 40 CFR 160.63, Maintenance and calibration of equipment

5. Specific Procedures to be Followed:

This standard operating procedure (SOP) represents minimum PDP requirements and is presented as a general guideline. Each laboratory shall have written procedures that provide specific details concerning how the procedure has been implemented in that laboratory.

Each laboratory shall develop an SOP detailing an appropriate injection sequence in order to ensure data integrity and uniform response across the sample set. "Uniform response" shall be construed as no greater than 20% relative percent difference (RPD) between calibration responses (refer to SOP PDP-DATA-03). Standards must be run at a minimum of the beginning and end of the data run. Each initial analytical run shall include the reagent blank,

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SOP No.: PDP-INST-04	Page 2 of 4	
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matrix blank, spikes, and samples. For additional runs (i.e., reinjects/dilutions) QC samples shall be run as necessary (i.e. reagent or matrix interference).



**United States Department of Agriculture
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SOP No.: PDP-INST-04	Page 3 of 4	
Title: Injection Sequence		
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05/15/02

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