



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
CINCINNATI, OHIO 45268

Office of Ground Water and Drinking Water
Technical Support Center

May 23, 2000

Dr. Andrew Eaton
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This letter is to advise you that the laboratory named above has **PASSED** the Spring 2000 Perchlorate PT Study and has been granted **APPROVAL** to monitor for perchlorate as an assessment monitoring parameter under the Unregulated Contaminant Monitoring Rule (UCMR) [Federal Register, Volume 64, Number 180, September 17, 1999, pages 50556-50620]. Laboratory approval is contingent upon maintaining certification to perform drinking water compliance monitoring of any inorganic parameter using an approved ion chromatographic method. If a laboratory maintains this certification, the approval to support the assessment monitoring of perchlorate under the UCMR remains active. This letter may be presented to any Public Water System (PWS) as evidence of laboratory approval for perchlorate analysis supporting the UCMR.

The data reported by your laboratory are presented below in Table 1 along with acceptable performance ranges. Only those laboratories which submitted acceptable results for both matrix conductance and perchlorate concentration passed the Spring 2000 Perchlorate PT study. See Table 2 for a summary of the performance of all laboratories.

Since you have passed the Spring 2000 Perchlorate PT study you do not have to participate in the Fall 2000 Perchlorate PT study and a PT sample will not automatically be sent to the laboratory.

Table 1. Spring 2000 Perchlorate PT Study Performance

Montgomery Watson Laboratories

Parameter	Laboratory Reported Result	Spring 2000 Study True Value (TV)	Acceptance Limits (75% - 125% of TV)
Conductivity	477 uS/cm	471 uS/cm	353 uS/cm - 589 uS/cm
Perchlorate	19.9 ug/L	20.3 ug/L	15.2 ug/L - 25.4 ug/L

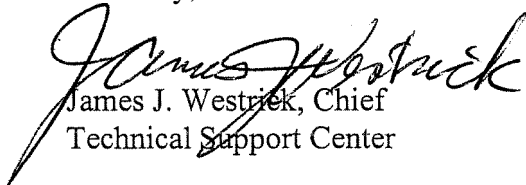
Table 2. Summary of Laboratory Performance for the Spring 2000 Perchlorate PT Study

<u>Participation/Performance</u>	<u># of labs</u>	<u>Misc. Information</u>		
Reported PT results	73			
Passed for both conductance and perchlorate	59	Representing 81% passing		
Failed for conductivity only")	2	1 was <75% of TV 1 was >125% of TV		
Failed for perchlorate concentration only ⁽¹⁾	12	6 were <75% of TV 6 were >125% of TV		
<u>Data Summary</u>	<u>Median</u>	<u>Average</u>	<u>%RSD</u>	
Conductivity value (PT study true value = 471 uS/cm)	465 uS/cm	468 uS/cm ⁽²⁾	5 %	
Perchlorate concentration (PT study true value = 20.3 ug/L)	20.1 ug/L	20.2 ug/L ⁽³⁾	19 %	

- (1) No laboratory failed both conductivity and perchlorate concentration.
- (2) Conductivity average based upon 71 data results; two results of 0.461 uS/cm and 4650 uS/cm were rejected as outliers.
- (3) Perchlorate average based upon 72 data results; one result at 214 ug/L was rejected as an outlier.

If you have any questions you can contact Daniel P. Hautman, Perchlorate PT Program Coordinator at 513-569-7274 or e-mail at hautman.dan@epa.gov.

Sincerely,



James J. Westrick, Chief
Technical Support Center