

SEVERN  
TRENT

STL

STL Knoxville  
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## ANALYTICAL REPORT

PROJECT NO. 142541

Focus/US Filter Westates ULT

Lot #: H6D040101

William Anderson

STL Knoxville  
5815 Middlebrook Pike  
Knoxville, TN 37921-5947

SEVERN TRENT LABORATORIES, INC.



Kevin S. Woodcock  
Project Manager

May 4, 2006

## **PROJECT NARRATIVE**

### **H6D040101**

The results reported herein are applicable to the samples submitted for analysis only.

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**The original chain of custody documentation is included with this report.**

#### **Sample Receipt**

There were no problems with the condition of the samples received.

#### **Subcontract**

The following analyses were performed by Galbraith Laboratory, Inc. 2323 Sycamore Dr. Knoxville, TN 37921: Carbon, Hydrogen, Nitrogen, Oxygen, Sulfur.

#### **Quality Control**

Unless otherwise noted, all holding times and QC criteria were met, and the test results shown in this report meet all applicable NELAC requirements.

STL Knoxville maintains the following certifications, approvals and accreditations: Arkansas DEQ Cert. #05-043-0, California DHS ELAP Cert. #2423, Colorado DPHE, Connecticut DPH Cert. #PH-0223, Florida DOH Cert. #E87177, Georgia DNR Cert. #906 (SDWA, expires 6/24/05), Hawaii DOH, Illinois EPA Cert. #000687, Indiana DOH Cert. #C-TN-02, Iowa DNR Cert. #375, Kansas DHE Cert. #E-10349, Kentucky DEP Lab ID #90101, Louisiana DEQ Cert. #03079, Louisiana DOHH Cert. #LA030024, Maryland DHMH Cert. #277, Massachusetts DEP Cert. #M-TN009, Michigan DEQ Lab ID #9933, New Jersey DEP Cert. #TN001, New York DOH Lab #10781, North Carolina DPH Lab ID #21705, North Carolina DEHNR Cert. #64, Ohio EPA VAP Cert. #CL0059, Oklahoma DEQ ID #9415, Pennsylvania DEP Cert. #68-00576, South Carolina DHEC Lab ID #84001001, Tennessee DOH Lab ID #02014, Utah DOH Cert. # QUAN3, Virginia DGS Lab ID #00165, Washington DOE Lab #C120, West Virginia DEP Cert. #345, Wisconsin DNR Lab ID #998044300, US Army Corps of Engineers, Naval Facilities Engineering Service Center and USDA Soil Permit #S-46424. This list of approvals is subject to change and does not imply that laboratory certification is available for all parameters reported in this environmental sample data report.

# Sample Data Summary

## LABORATORY REPORT

Kevin S Woodcock  
Severn Trent Labs  
5815 Middlebrook Pike  
Knoxville TN 37921

### AMENDED REPORT

Date Amended: 06/21/06  
Purchase Order #: H6D040101  
Original Report Date: 04/20/06  
Fax Number: 865-584-4315

SAMPLE ID	LAB ID	ANALYSIS	RESULTS		DUPLICATE(S)	
G-2887-R1-Spent Activated Carbon STL Lot No: H6D040101-001	Y-8435	Carbon	61.29	%	64.63	%
		Hydrogen	4.10	%	3.74	%
		Nitrogen	<0.5	%	<0.5	%
		Oxygen	*		*	
		Sulfur	<0.2	%	<0.2	%
G-2985-R2-Spent Activated Carbon STL Lot No: H6D040101-002	Y-8436	Carbon	67.57	%	63.58	%
		Hydrogen	2.92	%	3.71	%
		Nitrogen	<0.5	%	<0.5	%
		Oxygen	*		*	
		Sulfur	<0.2	%	<0.2	%
G-3068-R3-Spent Activated Carbon STL Lot No: H6D040101-003	Y-8437	Carbon	60.22	%	49.02	%
		Hydrogen	3.90	%	4.52	%
		Nitrogen	<0.5	%	<0.5	%
		Oxygen	*		*	
		Sulfur	<0.2	%	0.25	%

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## LABORATORY REPORT

Kevin S Woodcock  
Severn Trent LabsReport Date:  
Lab ID #:06/21/06  
Y-8435-8437

## TECHNICAL INFORMATION

The precision demonstrated by the carbon, hydrogen, oxygen and sulfur results for these samples is significantly less than the precision that is typically seen for these samples.

\* We regret that we are unable to determine the oxygen due to a matrix interference.

Sulfur standard is whole egg powder, C/N 10991:

<u>Weight</u>	<u>% Sulfur found</u>
29.92 mg	0.4775 %
40.00 mg	0.4781 %
69.82 mg	0.4819 %
100.20 mg	0.4873 %
134.87mg	0.4949 %
164.94 mg	0.5016 %
174.99 mg	0.5064 %

Theory = 0.512 %  $\pm$  0.050 %

CHN standard is 2:4 D, C/N 11201:

The weights used to calibrate with are 1.689 mg and 1.806 mg. The instrument automatically calculates factors based on the readings for the calibration standards.

<u>Theory</u>	
Carbon	51.79 %
Hydrogen	5.07 %
Nitrogen	20.14 %

Authorized Release of Data

  
Shannon G. Augé, Technical Administrator  
Quality Assurance Inspector

SGA:yb

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