Appendix H

UV Absorbance Spectrum—Day-30 Solution Sample

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This appendix presents the UV absorbance result of the Test-2 Day-30 solution sample. The purpose of this analysis was to find any distinguishing absorbance peaks that might help to identify organics present in the solution. The solution sample was collected at 60°C through a 0.7-µm fiberglass filter to remove particulate impurities, followed by being scanned by a UV-visible spectrophotometer over wavelengths ranging from 200 to 800 nm. The spectrum of deionized water was used for background subtraction. The test results revealed no distinguishing absorbance peaks that identify organics in the test solution.

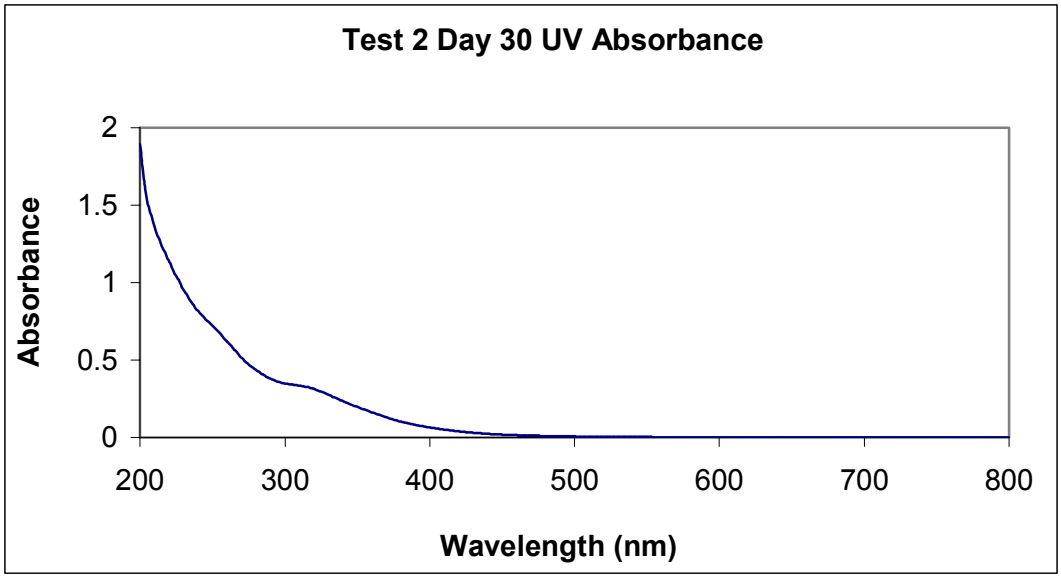

Figure H-1. UV Absorbance Spectrum for Day-30 Solution Samples.

Table H-1. Test-2 Day-30 Solution-Sample UV-Absorbance Laboratory Settings

Test-2 Day-30	
Collection Time:	4/21/2005 1:58:32 PM
Operator Name:	
Scan Software Version:	3.00(182)
Parameter List:	
Instrument:	Cary 50
Instrument Version:	3.00
Start (nm):	800.0
Stop (nm):	200.0
X Mode:	Nanometers
Y Mode:	Abs
UV-Vis Scan Rate (nm/min):	600.00
UV-Vis Data Interval (nm):	1.00
UV-Vis Ave. Time (sec):	0.1000
Beam Mode:	Dual Beam
Baseline Correction:	On
Baseline Type:	Baseline correction
Baseline File Name:	
Baseline Std Ref File Name:	
Cycle Mode:	Off
Comments:	
Method Log:	
Method Name:	Default
Date/Time stamp:	4/21/2005 1:46:30 PM
Method Modifications:	
Cell Changer 6x6 Changed:	4/21/2005 1:46:34 PM / Old:1 / New:0
UVVIS SAT Changed:	4/21/2005 1:46:59 PM / Old:0.0125 / New:0.1000
NIR SAT Changed:	4/21/2005 1:46:59 PM / Old:0.0125 / New:0.1000
Common SAT Changed:	4/21/2005 1:46:59 PM / Old:0.0125 / New:0.1000
Baseline Correction Changed:	4/21/2005 1:47:42 PM / Old:0 / New:1
Temp Controller Changed:	4/21/2005 1:47:42 PM / Old:0 / New:2
Sipper Type Changed:	4/21/2005 1:47:42 PM / Old:Internal RSA / New:External sipper
End Method Modifications	
<Current Wavelength>	200.1

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